

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060286.D
 Acq On : 6 Nov 2018 12:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 11/7/2018 1:59:33 PM

Quant Time: Nov 06 13:53:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1531802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2087453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1670104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	831124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	208734	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	
35) Dibromofluoromethane	6.34	113	305616	19.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.76%	
50) Toluene-d8	9.47	98	909435	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
62) 4-Bromofluorobenzene	12.43	95	327100	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	309858	23.228	ug/l	98
3) Chloromethane	1.76	50	316505	22.820	ug/l	97
4) Vinyl Chloride	1.85	62	254925	21.864	ug/l	99
5) Bromomethane	2.15	94	44705m	13.960	ug/l	
6) Chloroethane	2.27	64	75018	17.884	ug/l	95
7) Trichlorofluoromethane	2.51	101	289950	19.976	ug/l	96
8) Diethyl Ether	2.84	74	51188	18.633	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.09	101	194072	20.787	ug/l	99
10) Methyl Iodide	3.25	142	253622	28.023	ug/l	99
11) Tert butyl alcohol	3.98	59	39262	83.801	ug/l #	91
12) 1,1-Dichloroethene	3.08	96	152958	19.823	ug/l	95
13) Acrolein	2.99	56	52429	90.237	ug/l	99
14) Allyl chloride	3.54	41	299135	20.401	ug/l	99
15) Acrylonitrile	4.10	53	260697	101.490	ug/l	94
16) Acetone	3.17	43	186396	93.808	ug/l	99
17) Carbon Disulfide	3.32	76	509946	20.366	ug/l	97
18) Methyl Acetate	3.56	43	79891	19.649	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	446097	20.545	ug/l	99
20) Methylene Chloride	3.73	84	334197	17.690	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	341893	20.791	ug/l	98
22) Diisopropyl ether	4.86	45	1074631	20.133	ug/l	99
23) Vinyl Acetate	4.81	43	2670627	100.451	ug/l	98
24) 1,1-Dichloroethane	4.76	63	559789	20.778	ug/l	99
25) 2-Butanone	5.63	43	390855	103.550	ug/l	99
26) 2,2-Dichloropropane	5.60	77	434020	20.519	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	355948	20.830	ug/l	93
28) Bromochloromethane	5.94	49	234631	19.577	ug/l	97
29) Tetrahydrofuran	5.97	42	199922	100.748	ug/l	99
30) Chloroform	6.11	83	550250	20.236	ug/l	99
31) Cyclohexane	6.38	56	531125	20.894	ug/l	95
32) 1,1,1-Trichloroethane	6.30	97	468460	20.895	ug/l	98
36) 1,1-Dichloropropene	6.54	75	434631	21.538	ug/l	98
37) Ethyl Acetate	5.71	43	185677	20.616	ug/l	98
38) Carbon Tetrachloride	6.52	117	397024	21.588	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	498762	21.981	ug/l	100
40) Benzene	6.80	78	1095891	21.046	ug/l	99
41) Methacrylonitrile	5.97	41	218143	36.660	ug/l #	92
42) 1,2-Dichloroethane	6.91	62	276740	20.503	ug/l	98
43) Isopropyl Acetate	8.36	43	226494	19.483	ug/l #	97
44) Trichloroethene	7.76	130	331397	20.825	ug/l	98
45) 1,2-Dichloropropane	8.11	63	274550	21.139	ug/l	96
46) Dibromomethane	8.23	93	154542	20.751	ug/l	99
47) Bromodichloromethane	8.50	83	377022	21.033	ug/l	100
48) Methyl methacrylate	8.26	41	142484	20.456	ug/l	96
49) 1,4-Dioxane	8.24	88	24426	391.693	ug/l	89
51) 4-Methyl-2-Pentanone	9.35	43	765086	104.271	ug/l	100
52) Toluene	9.57	92	703869	21.362	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	314699	21.162	ug/l	96
54) cis-1,3-Dichloropropene	9.11	75	402380	20.737	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	192402	20.873	ug/l	97
56) Ethyl methacrylate	10.05	69	179404	20.475	ug/l	99
57) 1,3-Dichloropropane	10.39	76	299634	21.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	568655	109.768	ug/l	100
59) 2-Hexanone	10.50	43	562598	104.107	ug/l	99
60) Dibromochloromethane	10.65	129	236919	20.276	ug/l	97
61) 1,2-Dibromoethane	10.77	107	191462	20.472	ug/l	95
64) Tetrachloroethene	10.27	164	310701	21.231	ug/l	96
65) Chlorobenzene	11.32	112	750656	20.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	247844	20.989	ug/l	94
67) Ethyl Benzene	11.44	91	1333544	21.823	ug/l	98
68) m/p-Xylenes	11.57	106	977578	43.340	ug/l	96
69) o-Xylene	11.94	106	458770	20.933	ug/l	97
70) Styrene	11.97	104	737295	20.891	ug/l	100
71) Bromoform	12.13	173	152638	20.168	ug/l	99
73) Isopropylbenzene	12.28	105	1288926	21.990	ug/l	100
74) N-amyl acetate	12.15	43	313110	21.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	196557	20.779	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	194379	20.600	ug/l	100
77) Bromobenzene	12.55	156	337764	21.576	ug/l	99
78) n-propylbenzene	12.65	91	1636841	22.212	ug/l	99
79) 2-Chlorotoluene	12.72	91	886808	21.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1006476	22.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	54732	21.490	ug/l	97
82) 4-Chlorotoluene	12.81	91	986265	21.738	ug/l	99
83) tert-Butylbenzene	13.05	119	1113961	22.000	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	1019457	22.055	ug/l	99
85) sec-Butylbenzene	13.23	105	1366520	22.124	ug/l	99
86) p-Isopropyltoluene	13.35	119	1109953	22.611	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	599844	21.465	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	566056	20.770	ug/l	96
89) n-Butylbenzene	13.65	91	1185395	23.580	ug/l	96
90) Hexachloroethane	13.87	117	251485	21.040	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	504642	22.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22149	19.085	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	380924	21.544	ug/l	97
94) Hexachlorobutadiene	14.89	225	298261	22.841	ug/l	98
95) Naphthalene	14.98	128	460308	20.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	305244	21.382	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

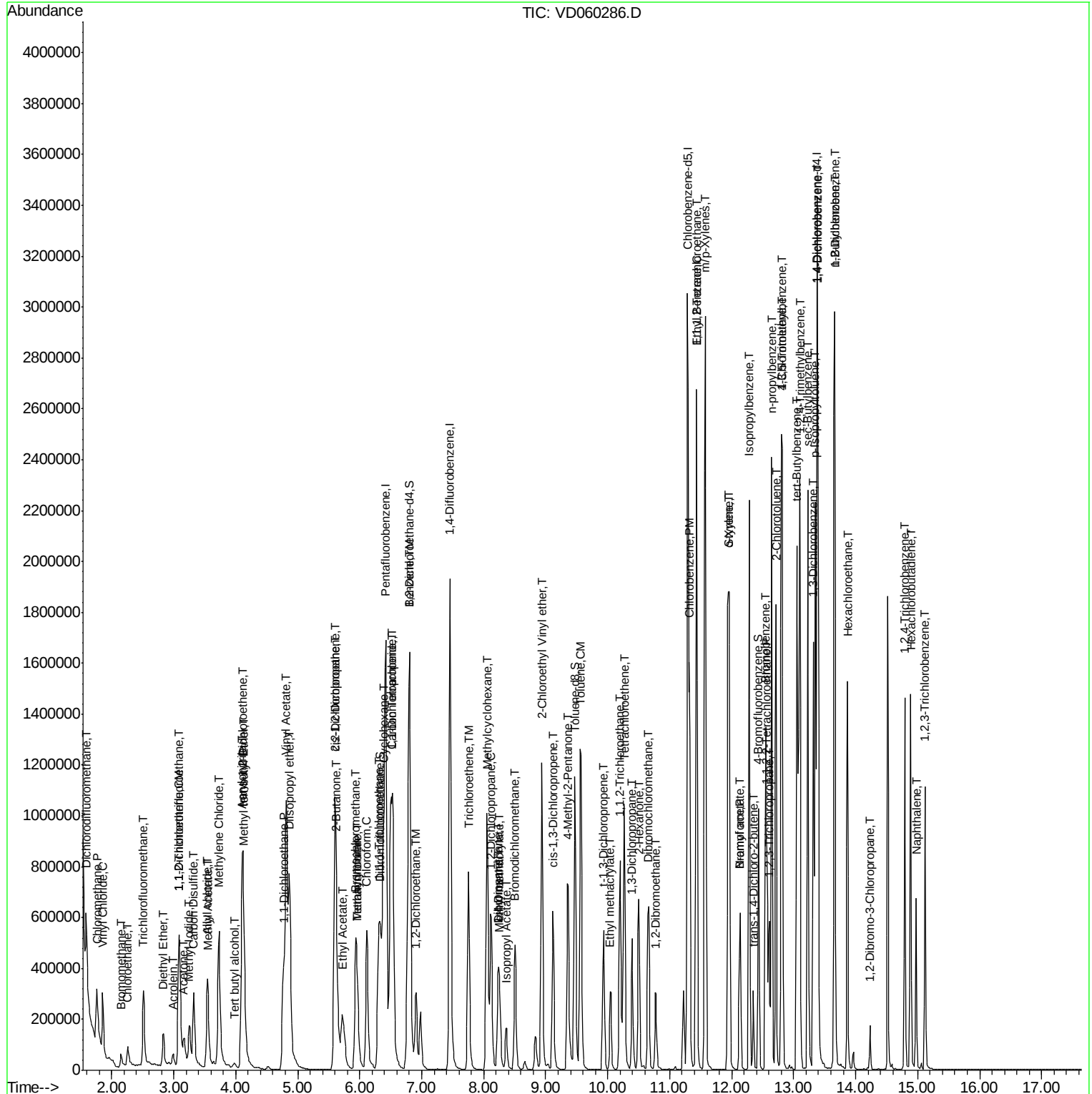
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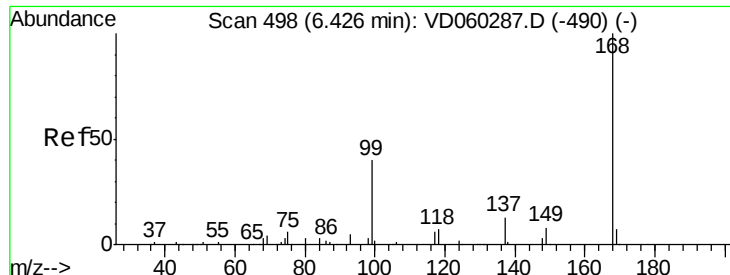
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1531802

Ion Ratio Lower Upper

168 100

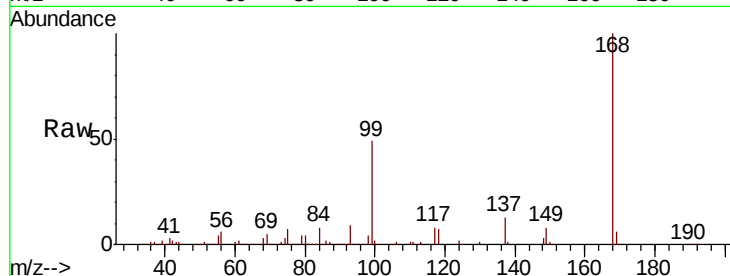
99 48.9 39.8 59.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

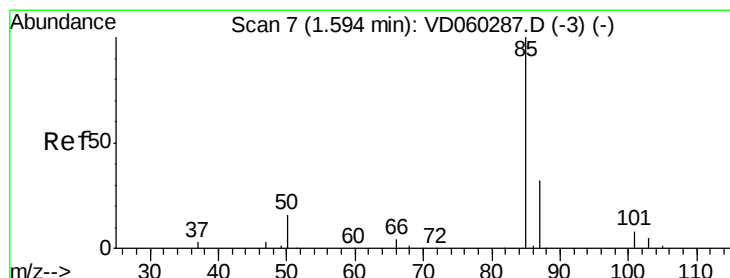
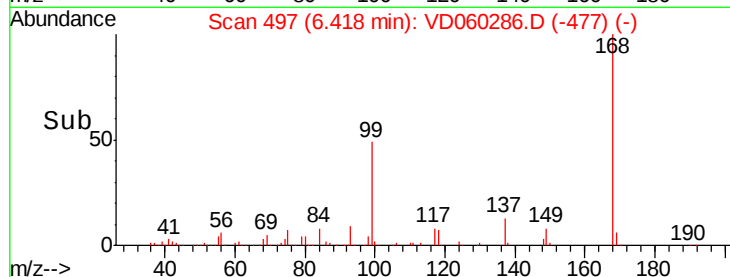
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.228 ug/l

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060286.D

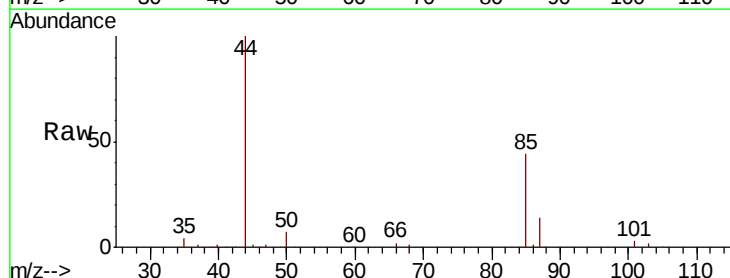
Acq: 6 Nov 2018 12:03

Tgt Ion: 85 Resp: 309858

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

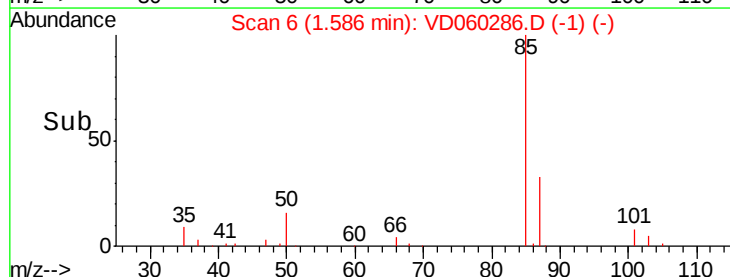
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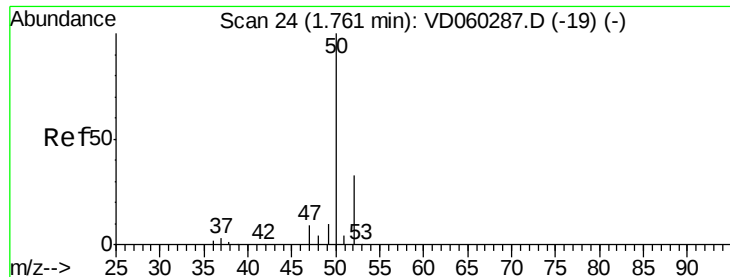
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50000

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Time-->





#3

Chloromethane

Concen: 22.820 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 316505

Ion Ratio Lower Upper

50 100

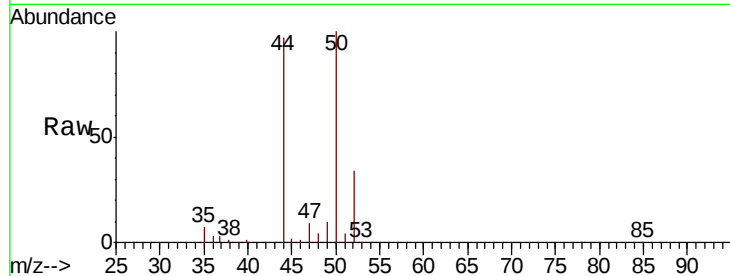
52 34.0 25.8 38.6

Manual Integrations

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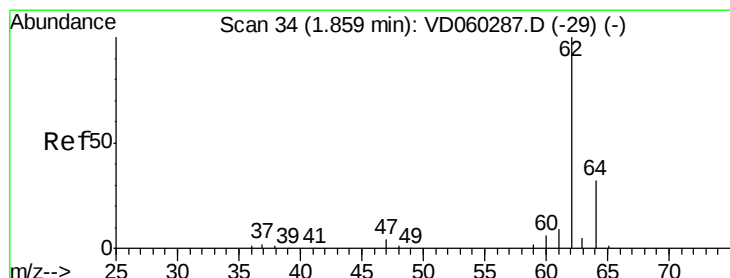
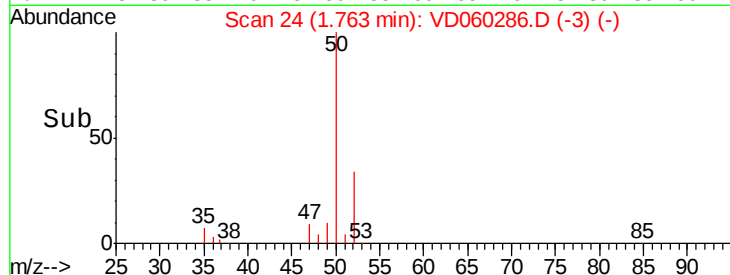
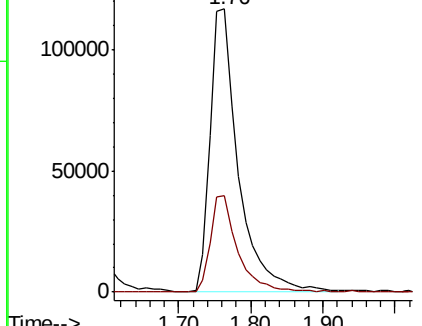
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.864 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060286.D

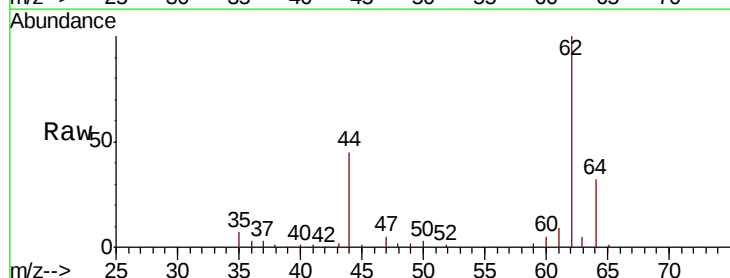
Acq: 6 Nov 2018 12:03

Tgt Ion: 62 Resp: 254925

Ion Ratio Lower Upper

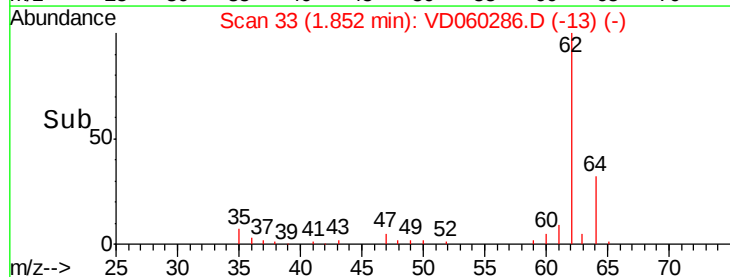
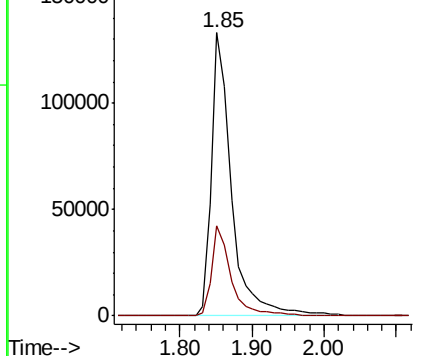
62 100

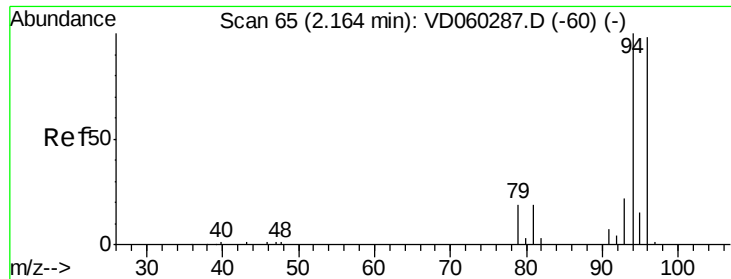
64 31.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.960 ug/l m

RT: 2.15 min Scan# 63

Delta R.T. -0.02 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tot Ion: 94 Resp: 44705

Ion Ratio Lower Upper

94 100

96 97.5 76.6 114.8

Instrument :

MSVOA_D

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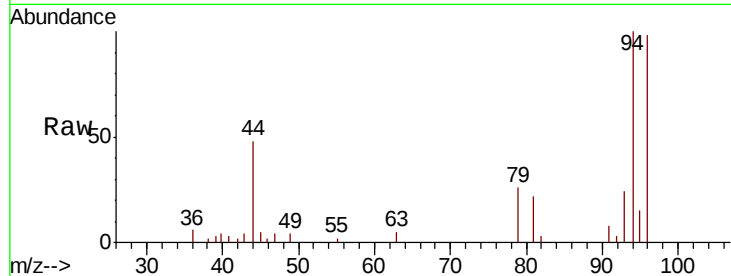
VSTDIC020

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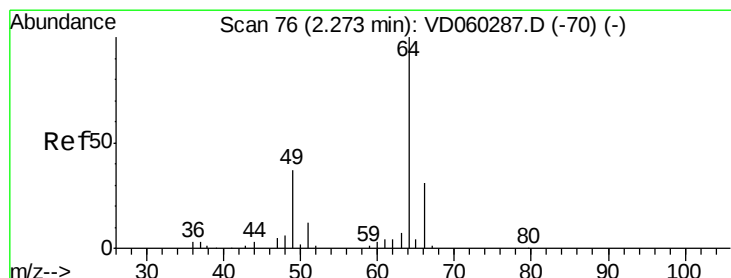
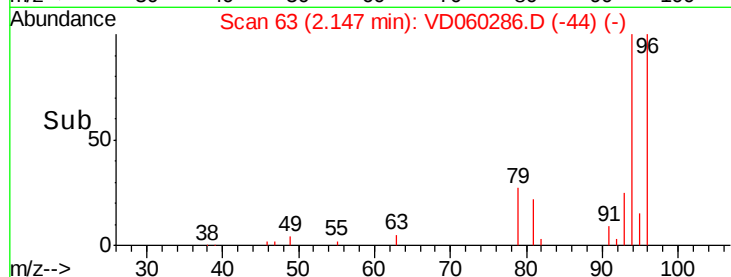
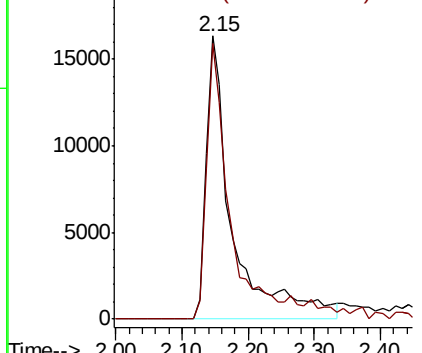
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.884 ug/l

RT: 2.27 min Scan# 75

Delta R.T. -0.01 min

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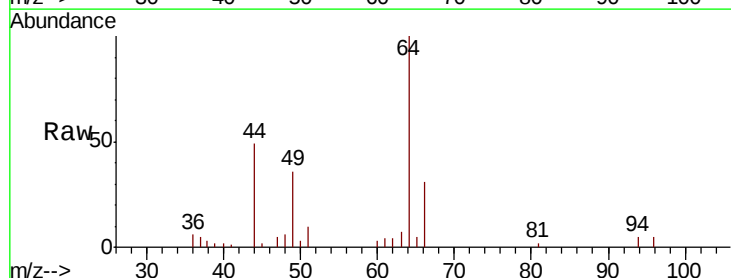
Acq: 6 Nov 2018 12:03

Tgt Ion: 64 Resp: 75018

Ion Ratio Lower Upper

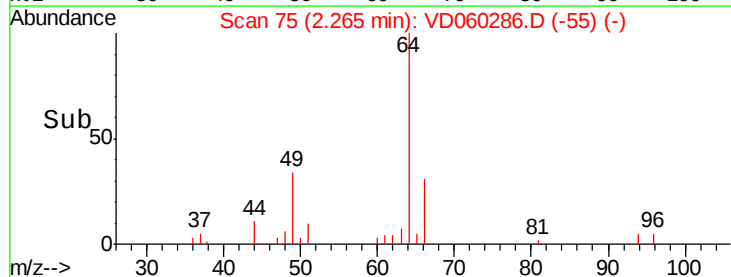
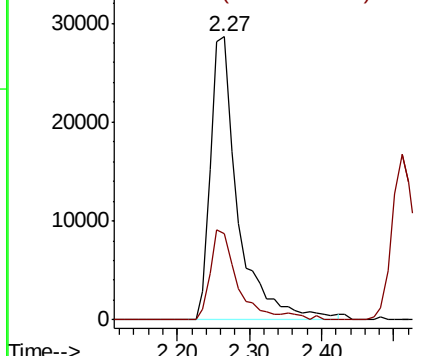
64 100

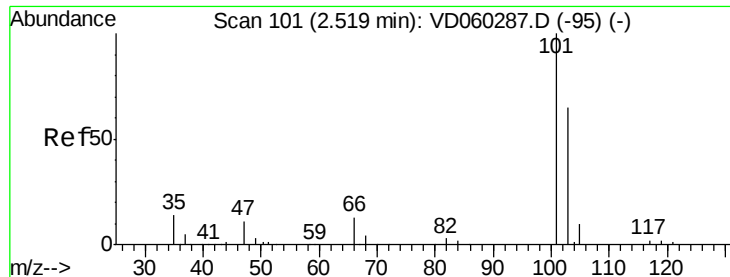
66 30.7 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

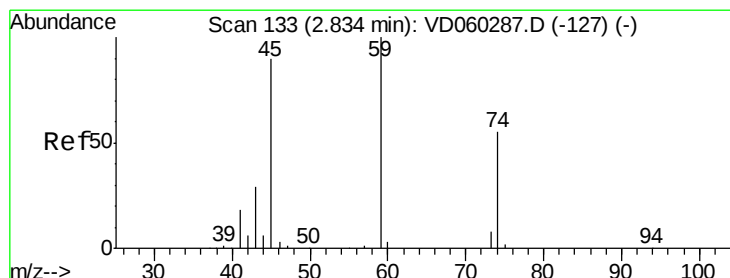
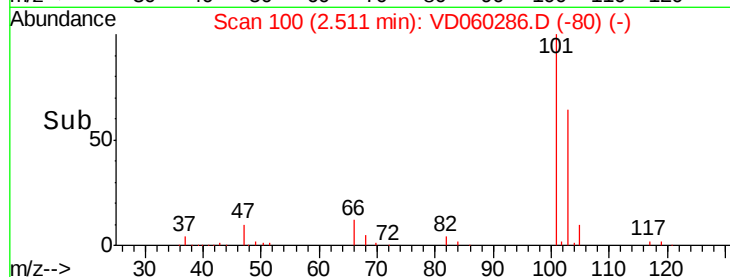
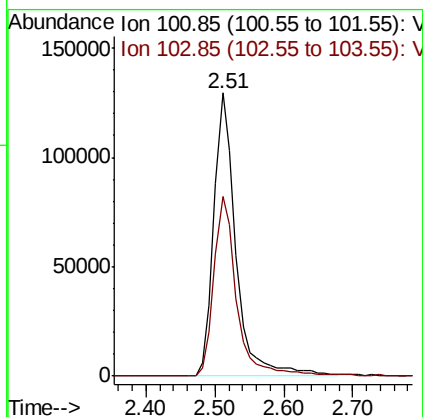
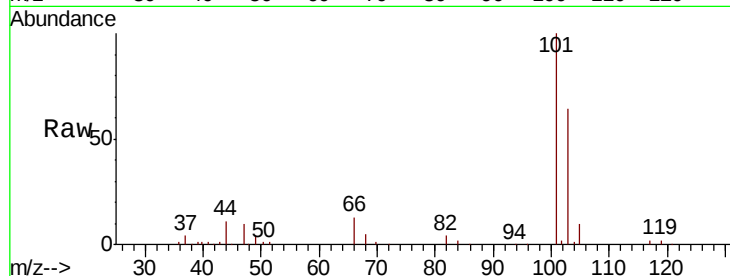
Trichlorofluoromethane
 Concen: 19.976 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	53.6	80.4

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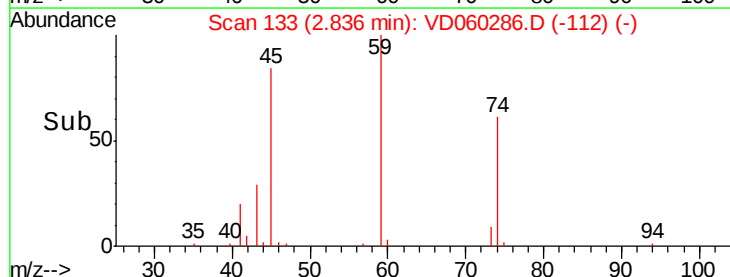
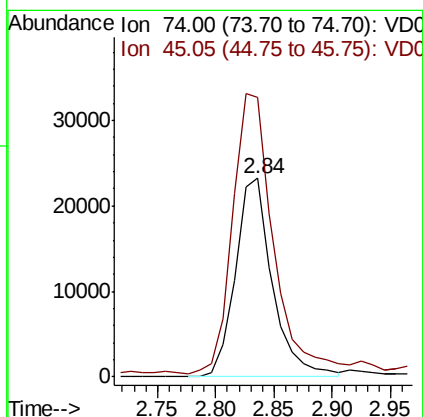
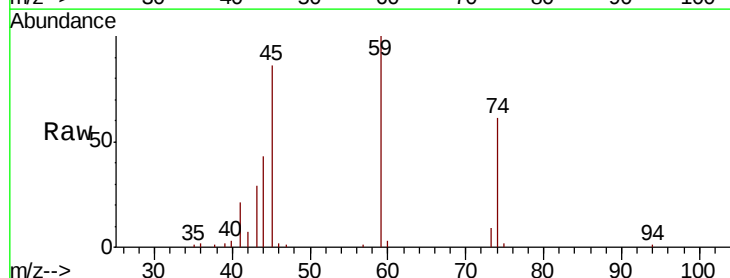
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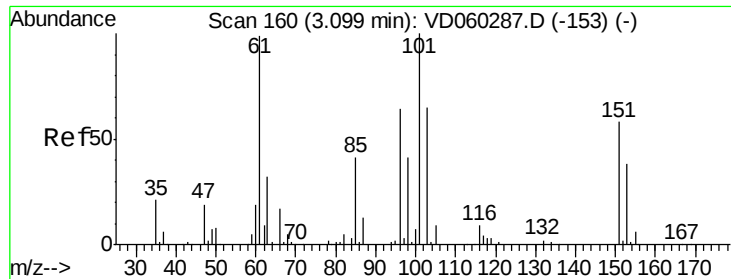


#8

Diethyl Ether
 Concen: 18.633 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.1	84.8	254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.787 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

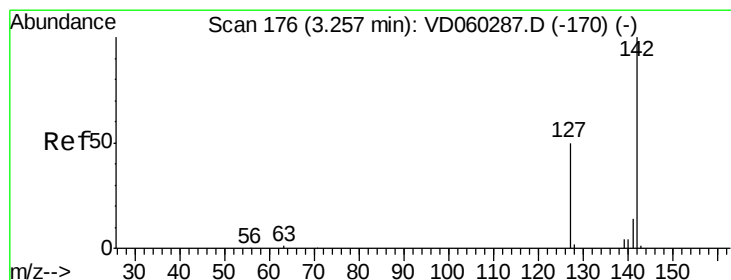
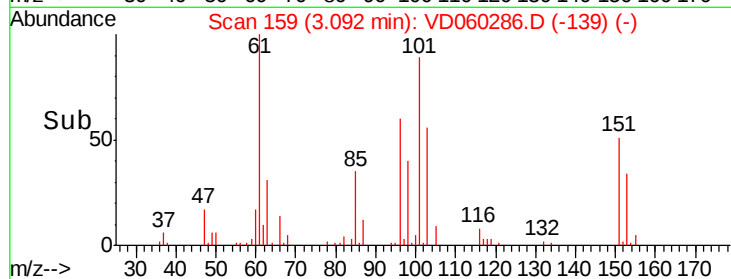
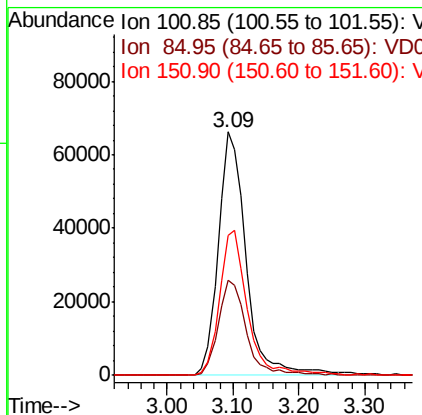
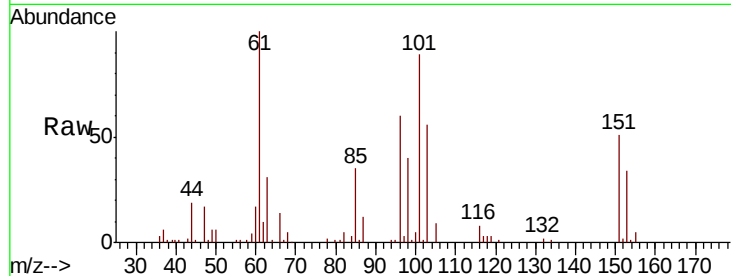
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	194072
Ion Ratio	Lower	Upper	
101	100		
85	39.2	31.4	47.0
151	57.4	47.4	71.0

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#10

Methyl Iodide

Concen: 28.023 ug/l

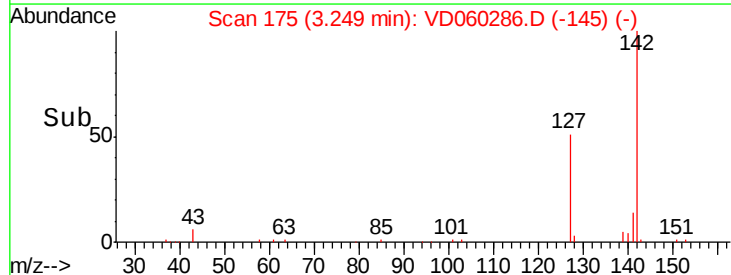
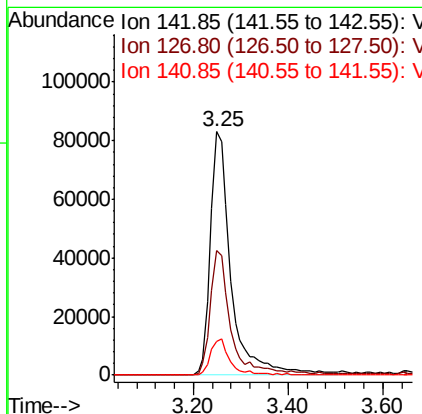
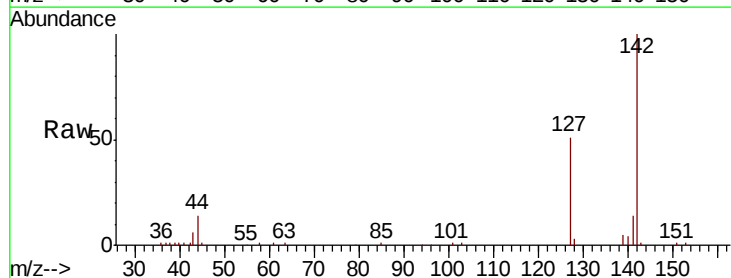
RT: 3.25 min Scan# 175

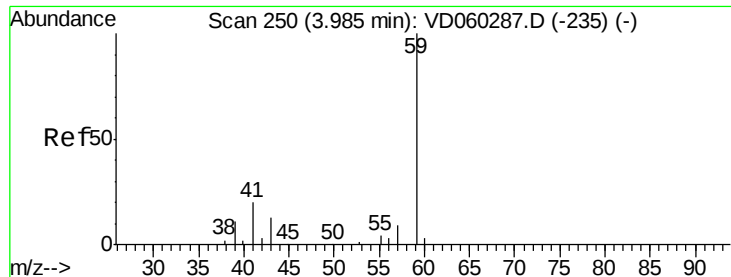
Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion:	142	Resp:	253622
Ion Ratio	Lower	Upper	
142	100		
127	51.4	41.0	61.6
141	13.6	11.9	17.9





#11

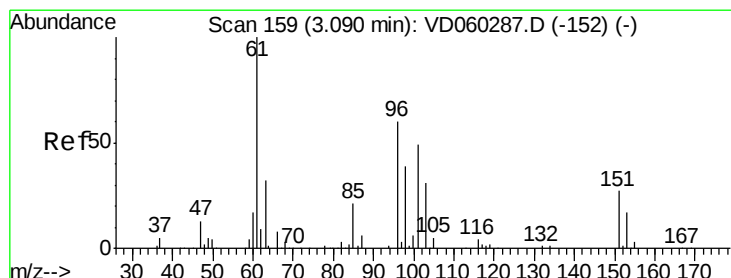
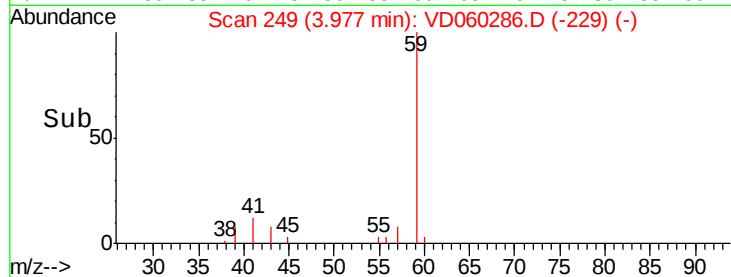
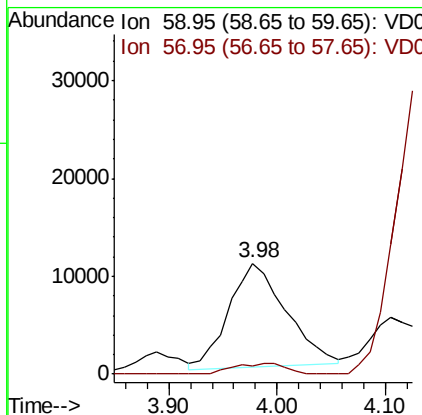
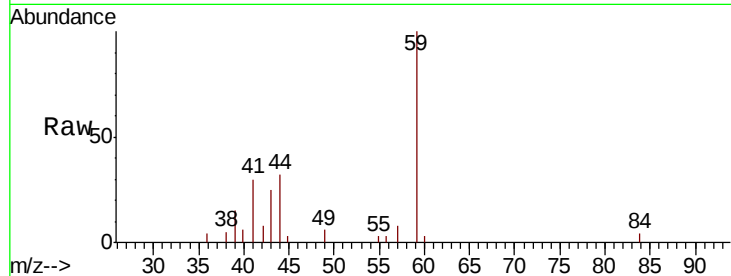
Tert butyl alcohol
Concen: 83.801 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 39262
Ion Ratio Lower Upper
59 100
57 8.0 9.3 13.9#

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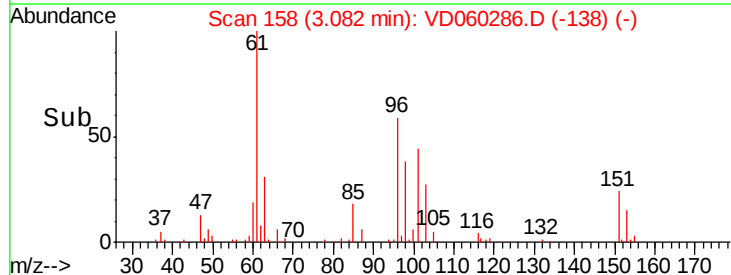
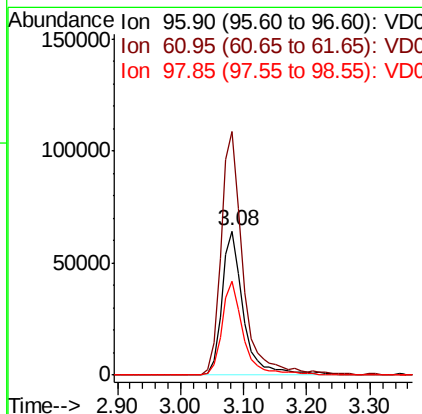
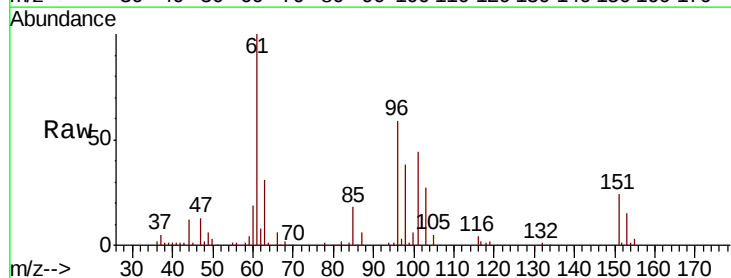
apatel
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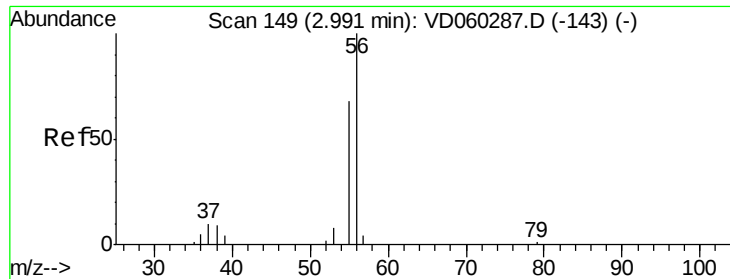


#12

1,1-Dichloroethene
Concen: 19.823 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion: 96 Resp: 152958
Ion Ratio Lower Upper
96 100
61 169.2 142.2 213.4
98 65.0 52.6 79.0





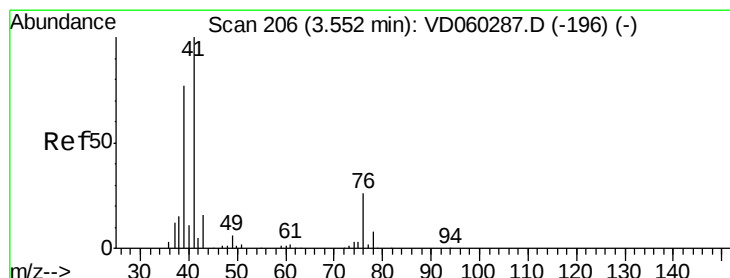
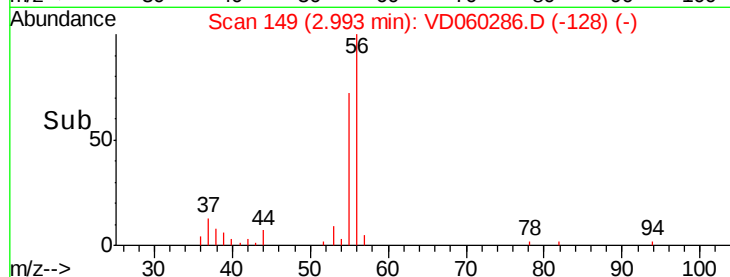
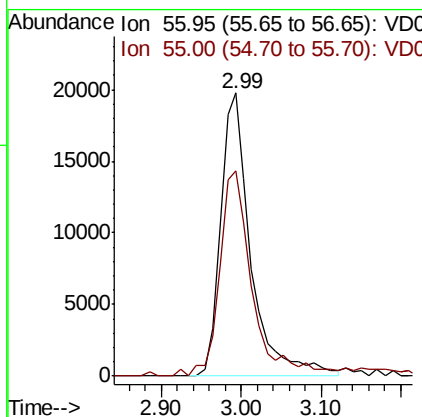
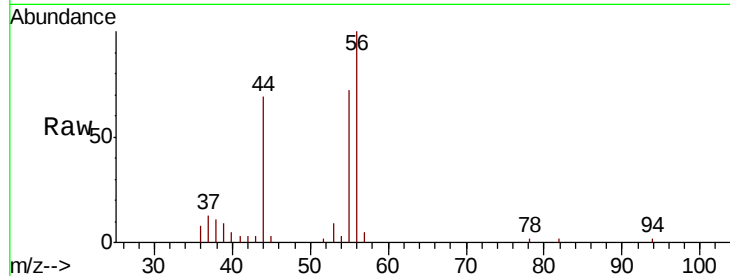
#13
Acrolein
Concen: 90.237 ug/l
RT: 2.99 min Scan# 149
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	52429
Ion Ratio	100	Lower	Upper
55	72.3	57.0	85.6

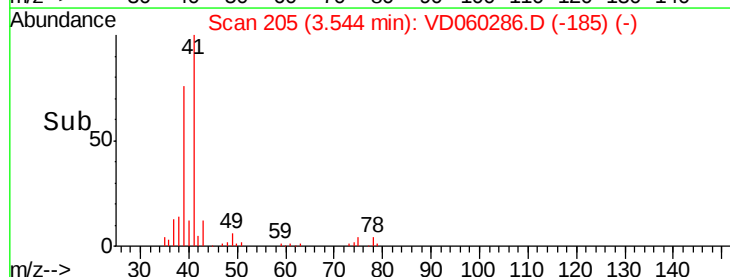
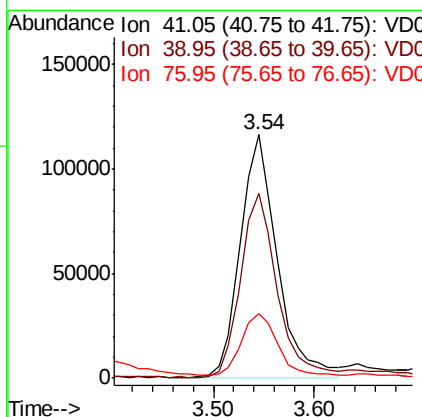
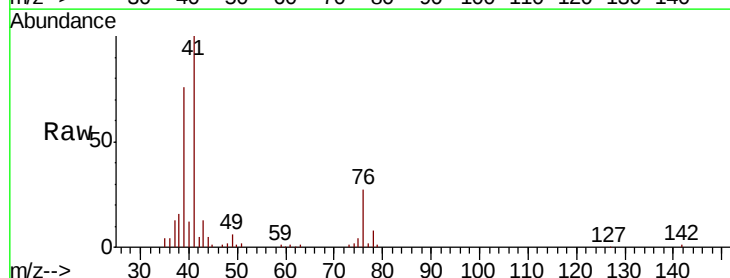
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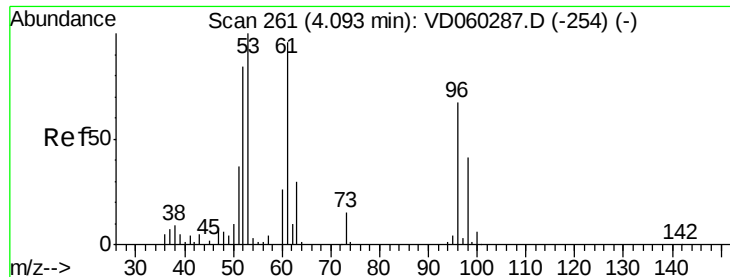
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#14
Allyl chloride
Concen: 20.401 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	41	Resp	299135
Ion Ratio	100	Lower	Upper
39	75.9	60.4	90.6
76	26.5	21.8	32.8





#15

Acrylonitrile

Concen: 101.490 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

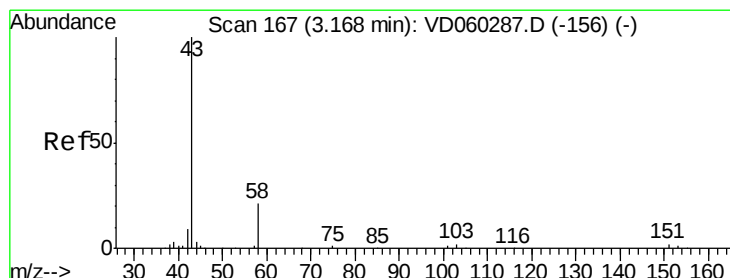
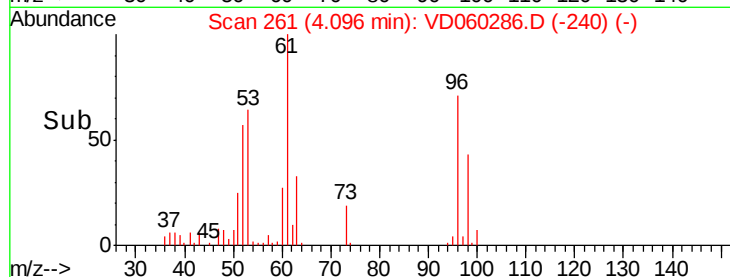
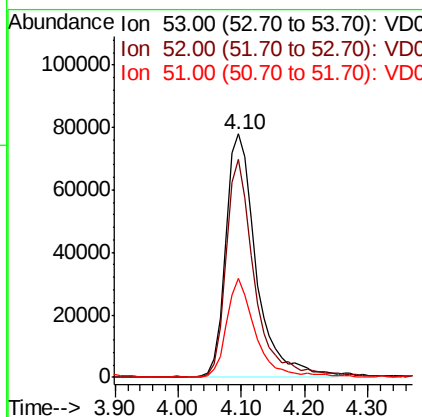
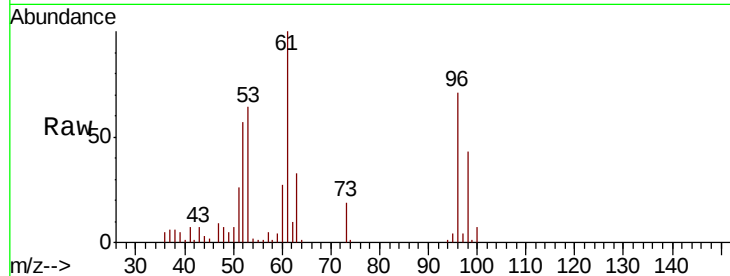
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	260697
Ion Ratio		Lower	Upper
53	100		
52	89.5	67.0	100.4
51	40.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 93.808 ug/l

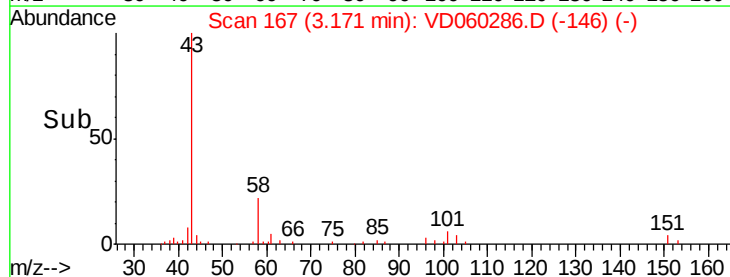
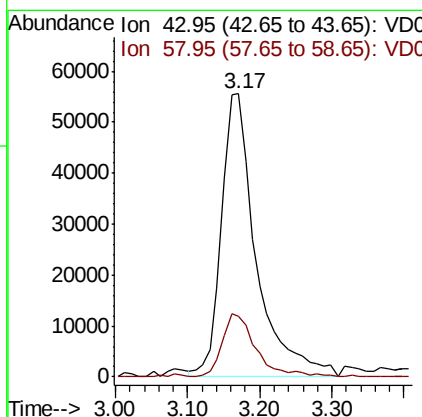
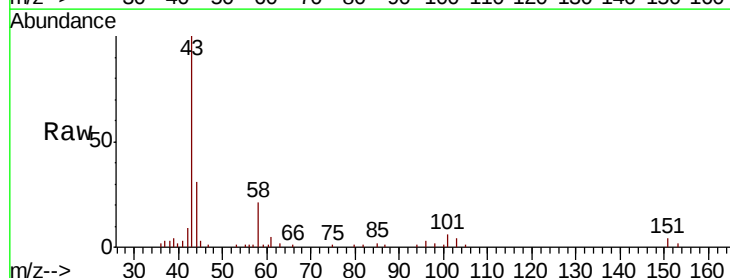
RT: 3.17 min Scan# 167

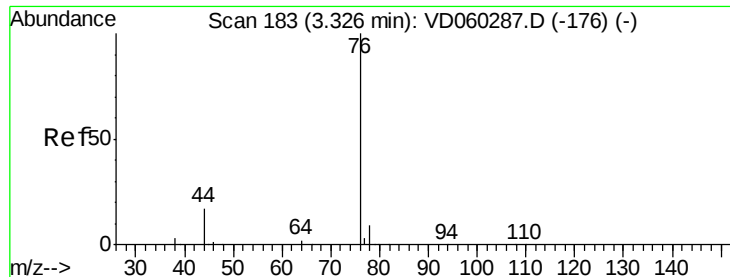
Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion:	43	Resp:	186396
Ion Ratio		Lower	Upper
43	100		
58	21.4	16.9	25.3





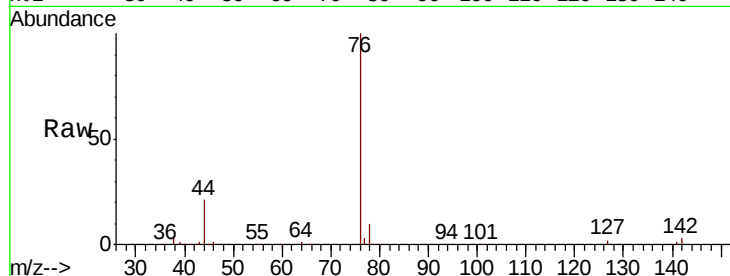
#17
Carbon Disulfide
Concen: 20.366 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

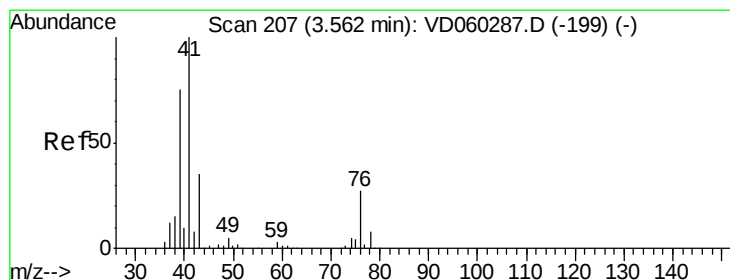
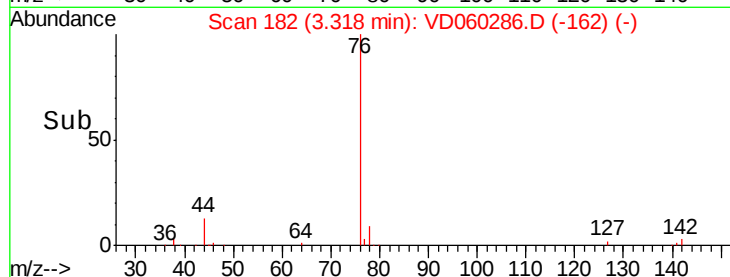
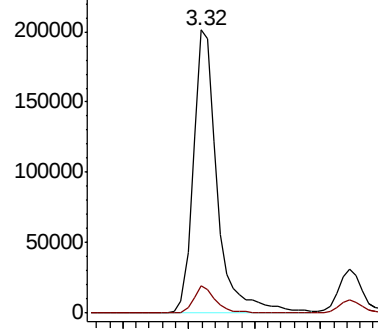
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4

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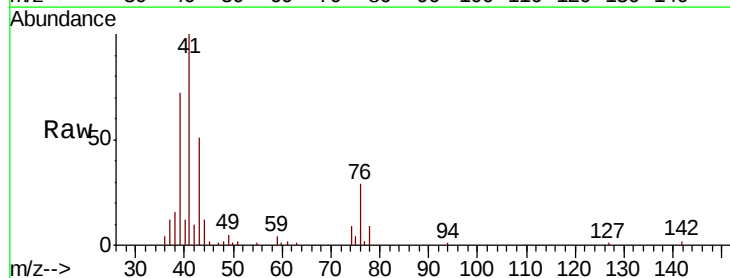


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

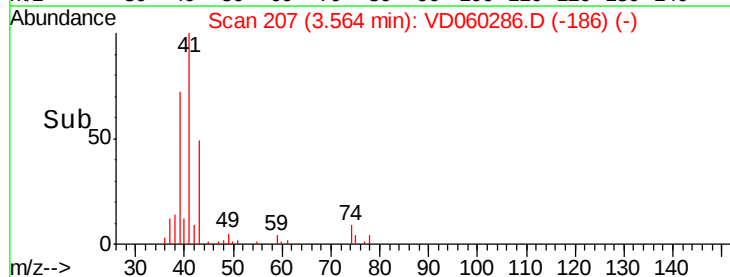
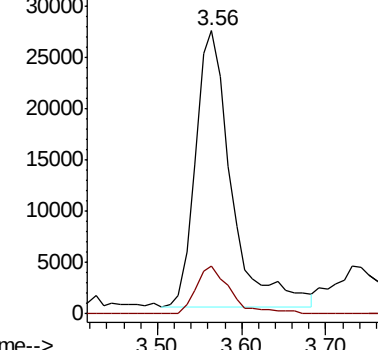


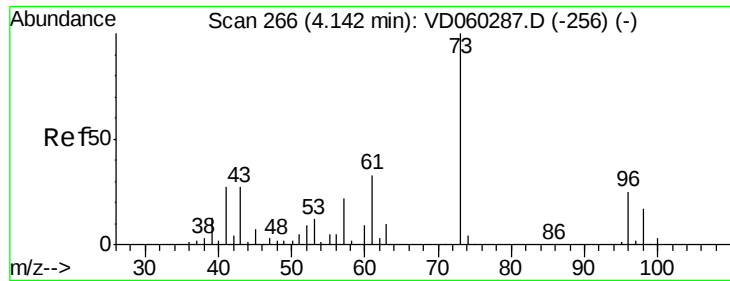
#18
Methyl Acetate
Concen: 19.649 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	12.4	18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





#19

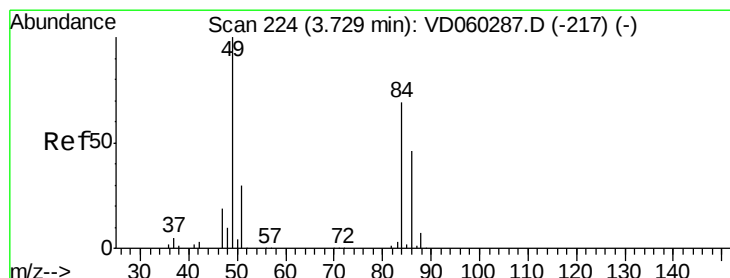
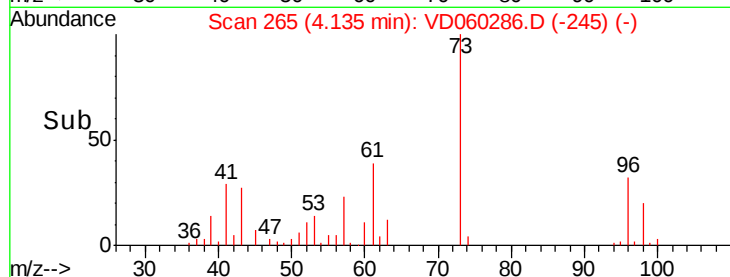
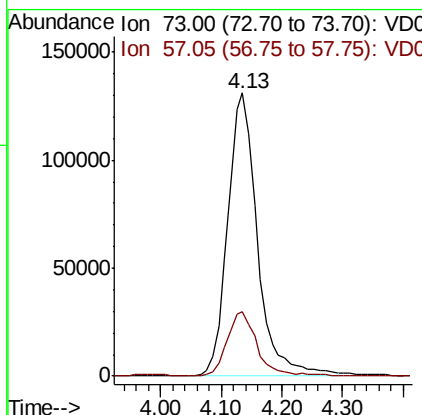
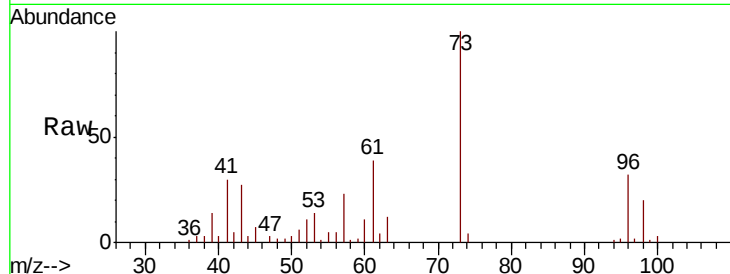
Methyl tert-butyl Ether
 Concen: 20.545 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.1	27.1

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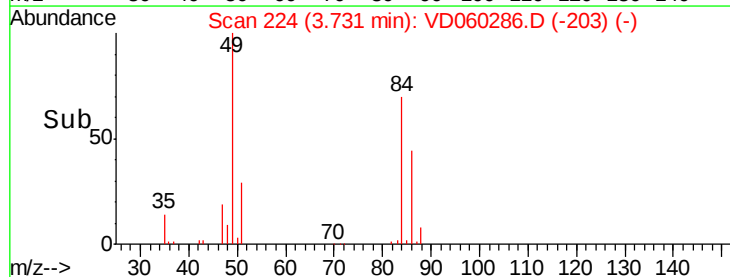
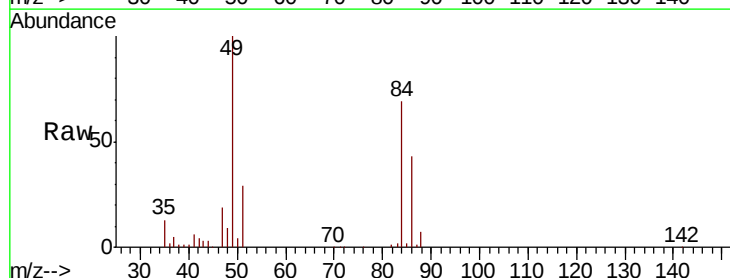
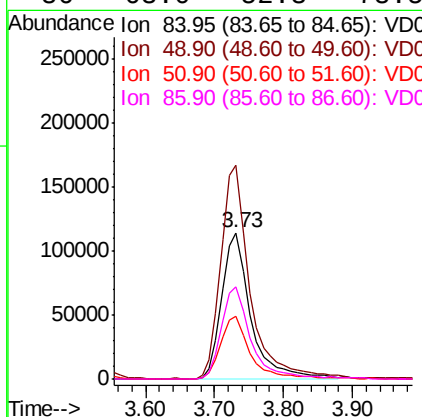
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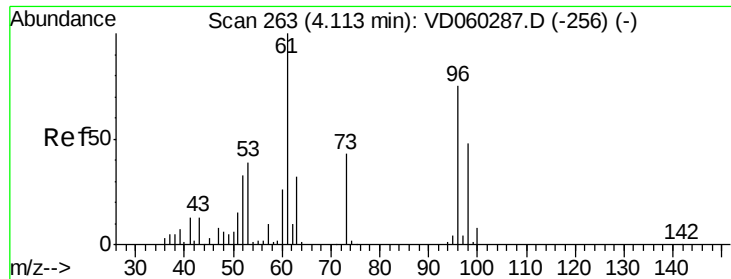


#20

Methylene Chloride
 Concen: 17.690 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.7	115.6	173.4
51	42.8	35.6	53.4
86	63.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.791 ug/l

RT: 4.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 341893

Ion Ratio Lower Upper

96 100

61 135.0 105.8 158.6

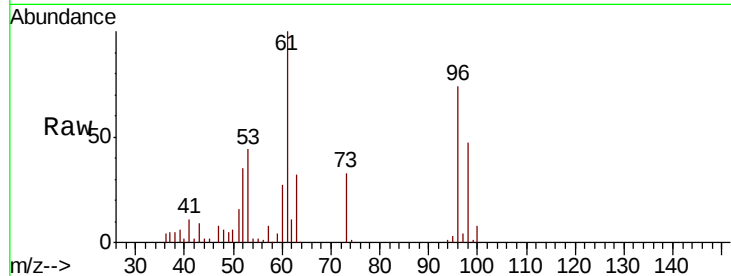
98 63.0 50.8 76.2

Manual Integrations

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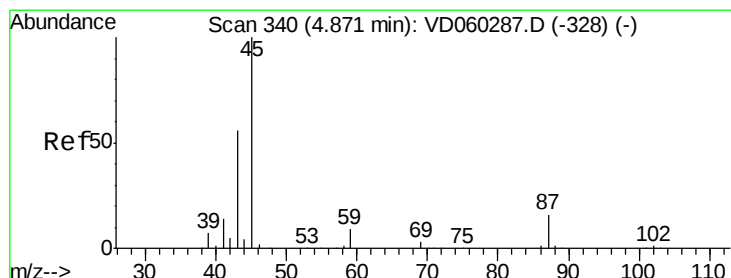
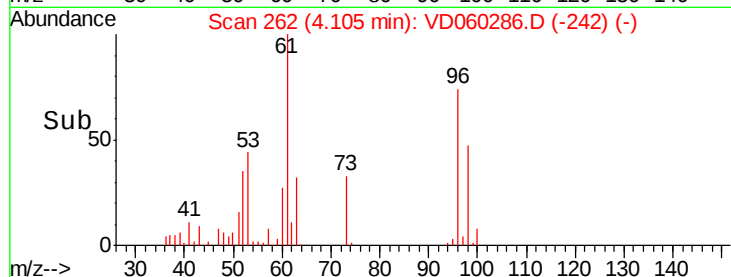
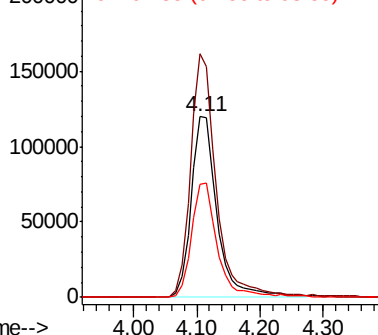
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.133 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion: 45 Resp: 1074631

Ion Ratio Lower Upper

45 100

43 56.9 44.9 67.3

87 16.1 13.9 20.9

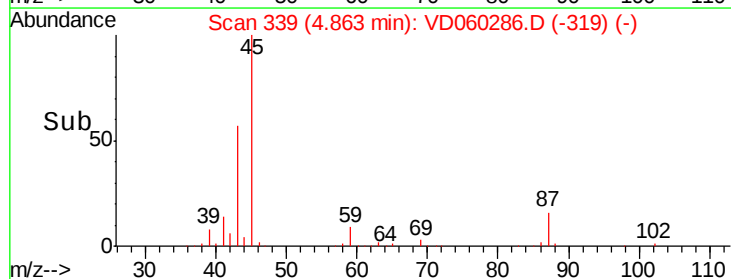
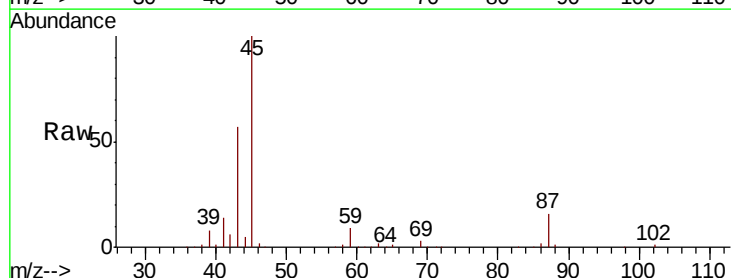
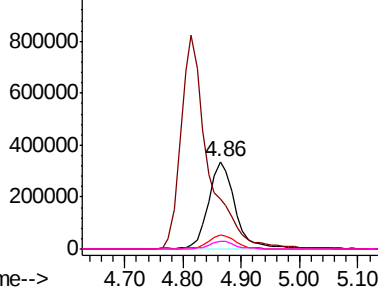
59 8.7 7.0 10.6

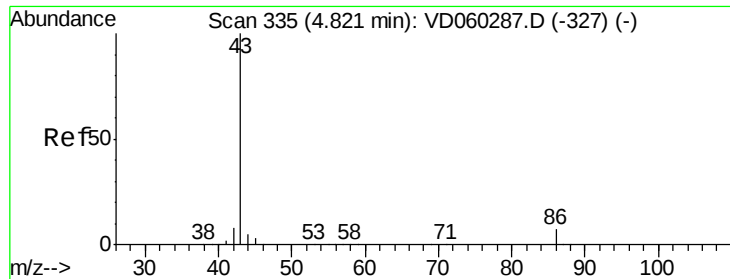
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.451 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 2670627

Ion Ratio Lower Upper

43 100

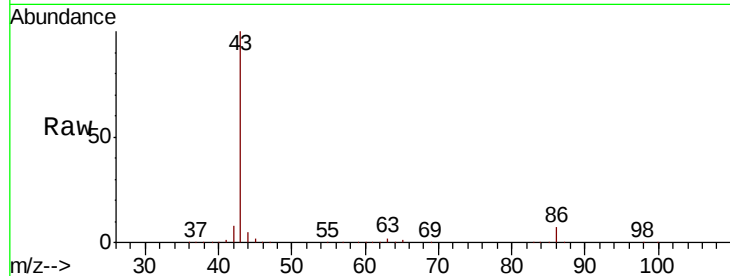
86 6.5 5.7 8.5

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

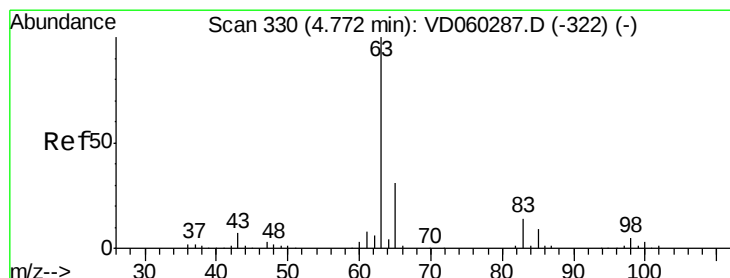
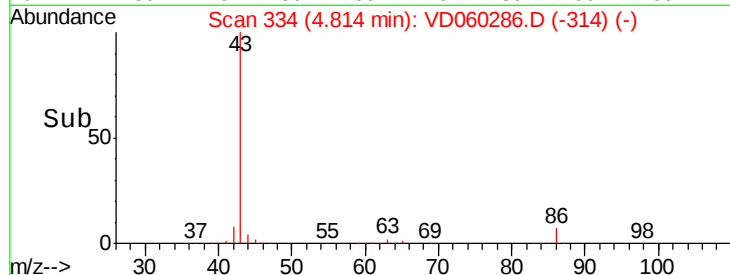
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.778 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

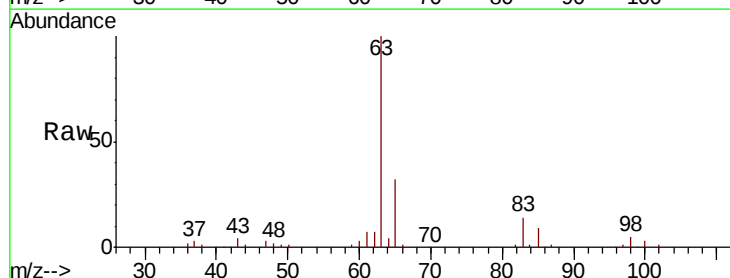
Tgt Ion: 63 Resp: 559789

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

150000

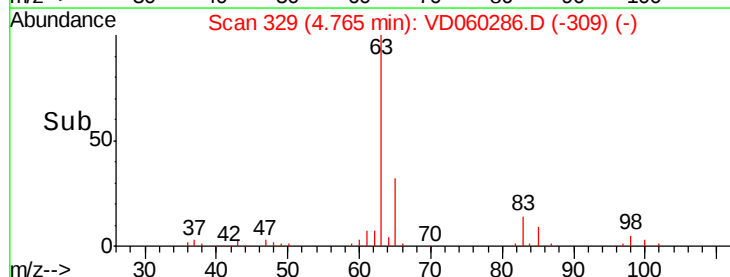
100000

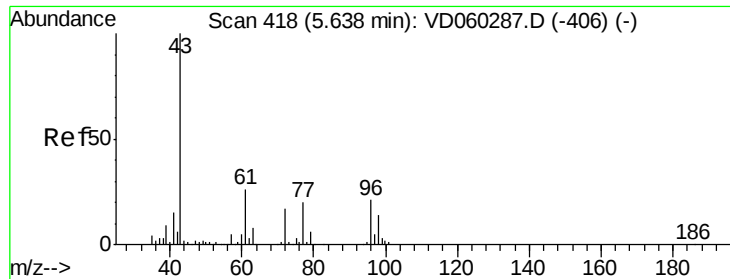
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 103.550 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 390855

Ion Ratio Lower Upper

43 100

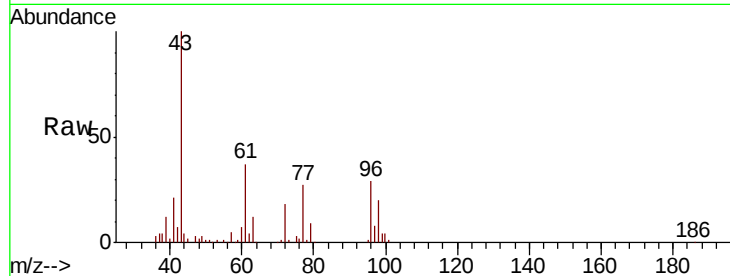
72 17.9 13.8 20.8

Manual Integrations

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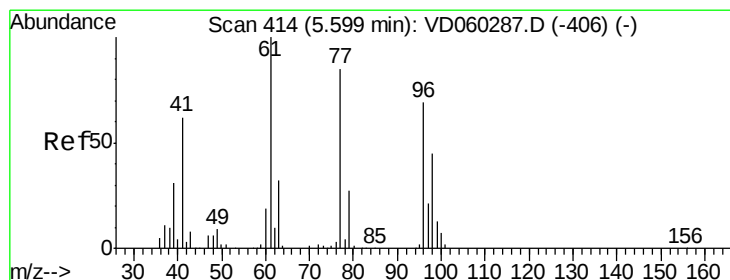
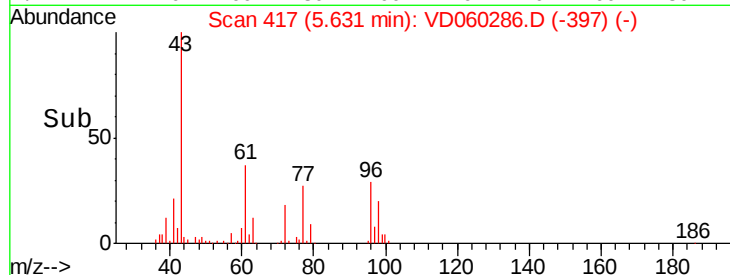
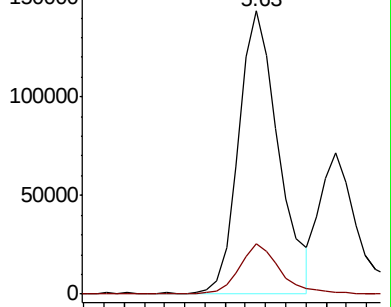
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.519 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060286.D

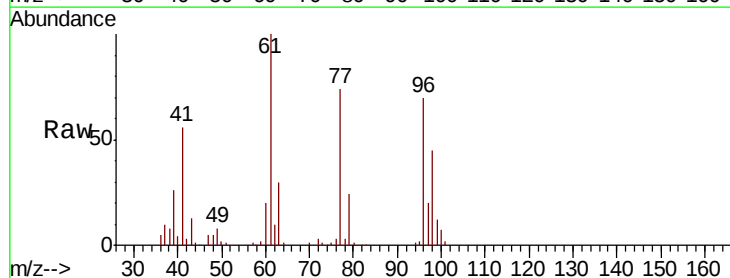
Acq: 6 Nov 2018 12:03

Tgt Ion: 77 Resp: 434020

Ion Ratio Lower Upper

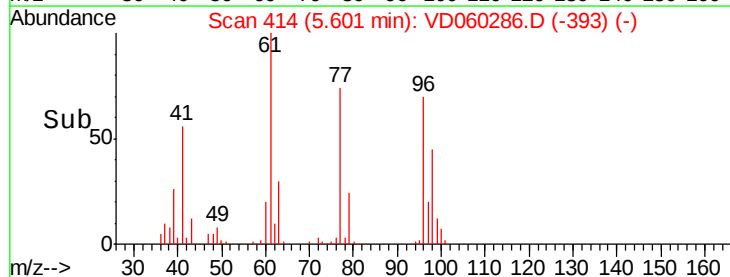
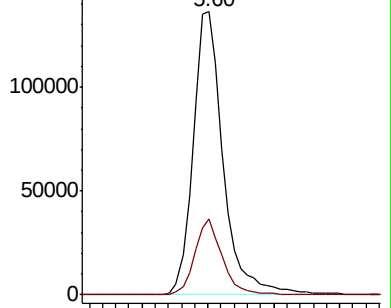
77 100

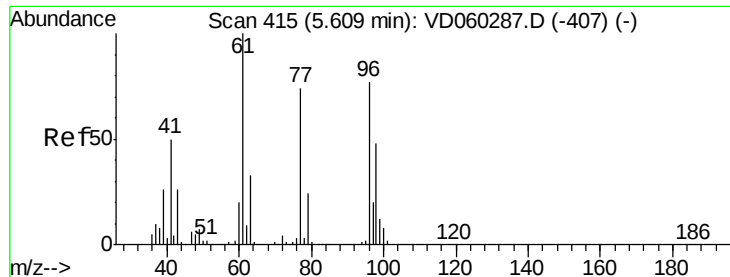
97 26.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

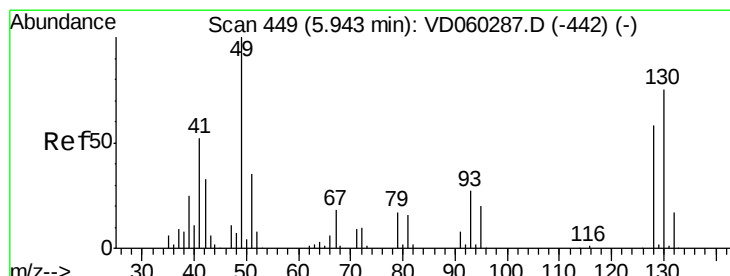
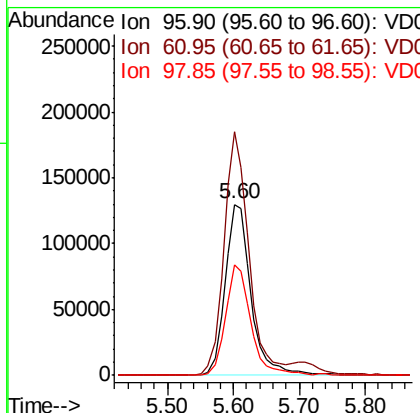
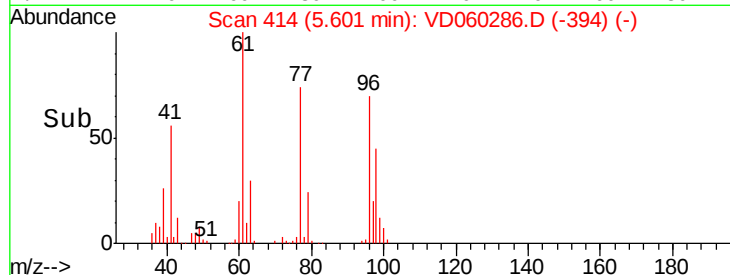
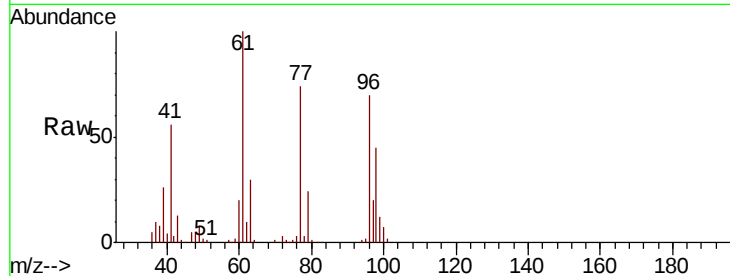
cis-1,2-Dichloroethene
 Concen: 20.830 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.4	0.0	259.0	
98	64.4	0.0	128.8	

Manual Integrations
 APPROVED

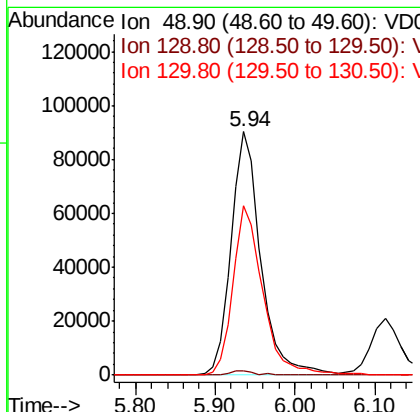
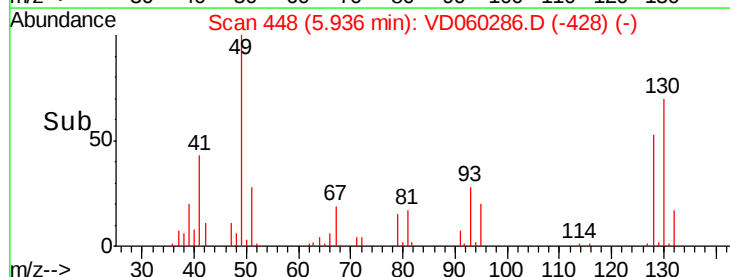
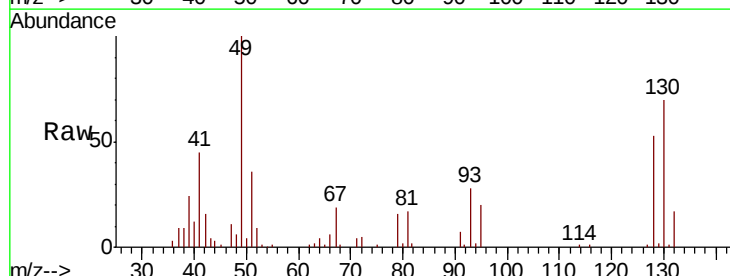
apatel
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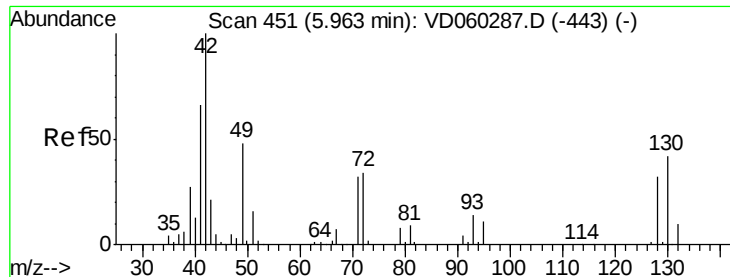


#28

Bromochloromethane
 Concen: 19.577 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	2.8	
130	69.7	53.6	80.4	





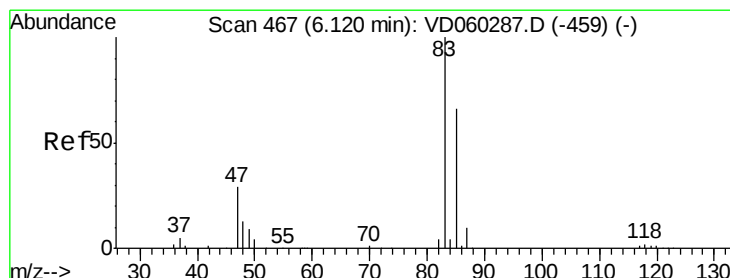
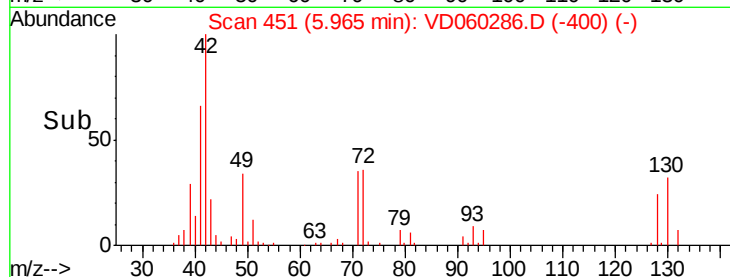
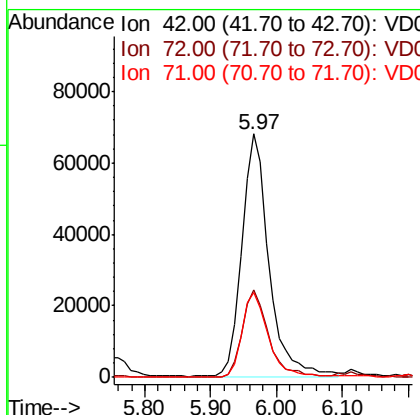
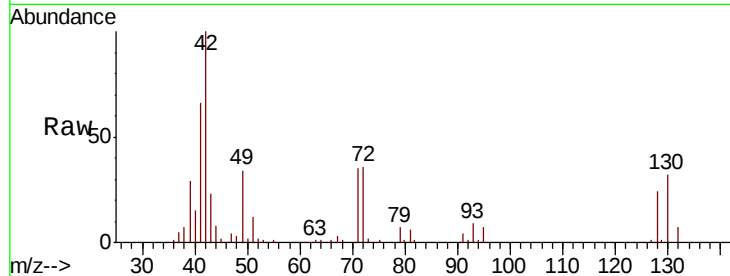
#29
Tetrahydrofuran
Concen: 100.748 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.6	41.4
71	33.7	26.5	39.7

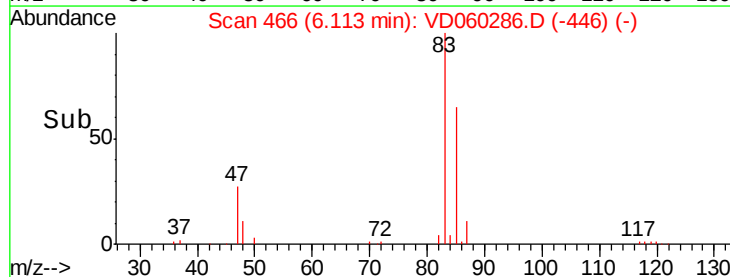
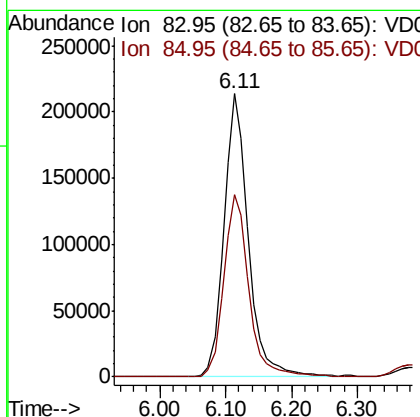
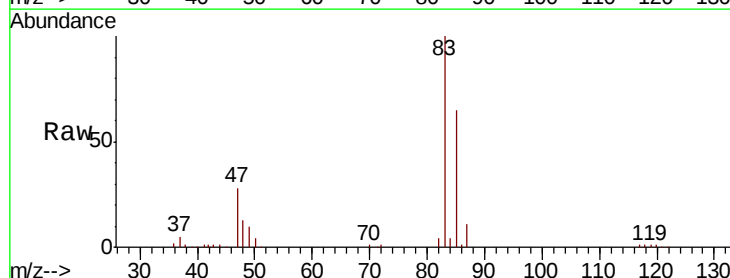
Manual Integrations
APPROVED

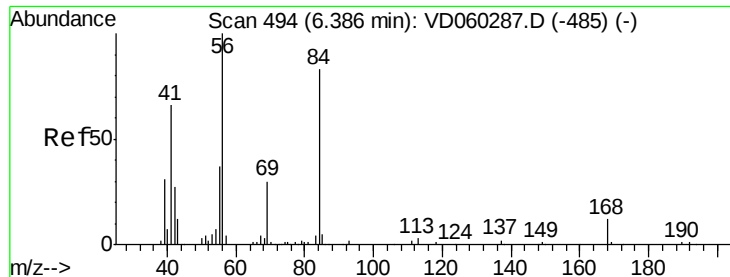
apatel
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#30
Chloroform
Concen: 20.236 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7





#31

Cyclohexane

Concen: 20.894 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

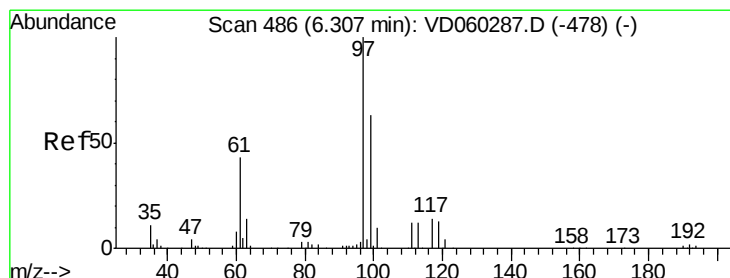
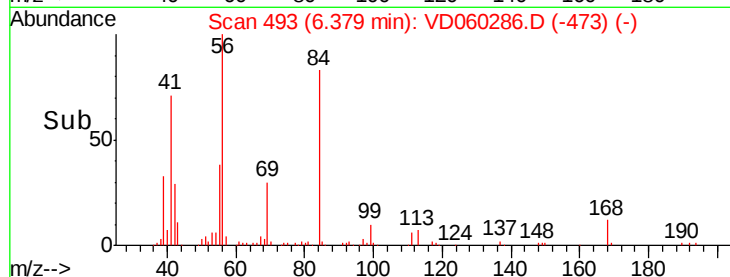
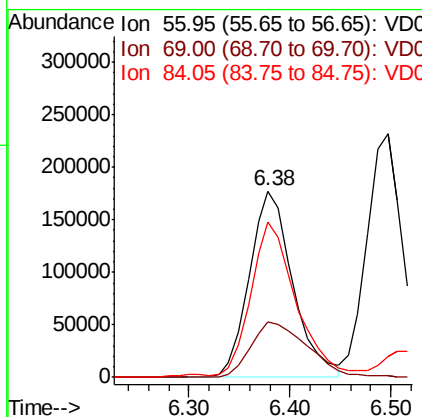
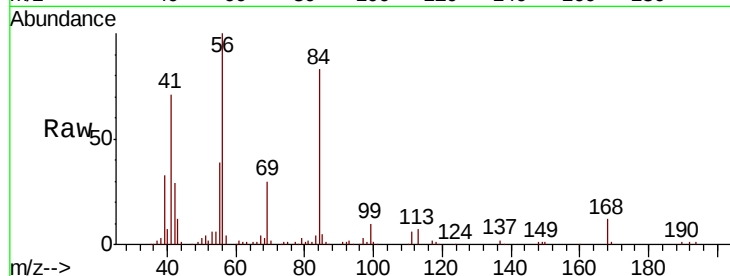
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	531125
Ion	Ratio	Lower	Upper
56	100		
69	30.0	22.2	33.2
84	83.1	63.0	94.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.895 ug/l

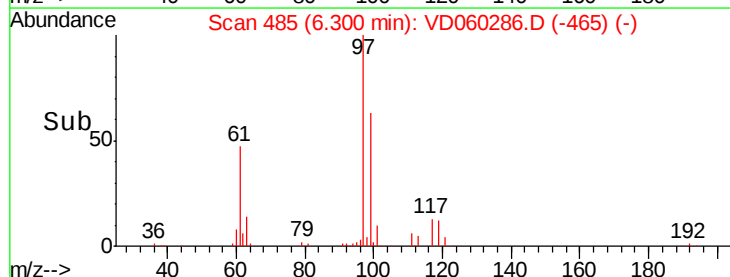
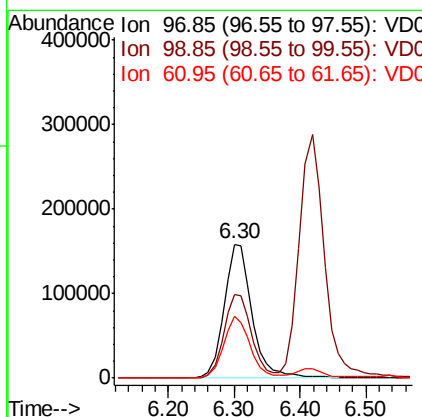
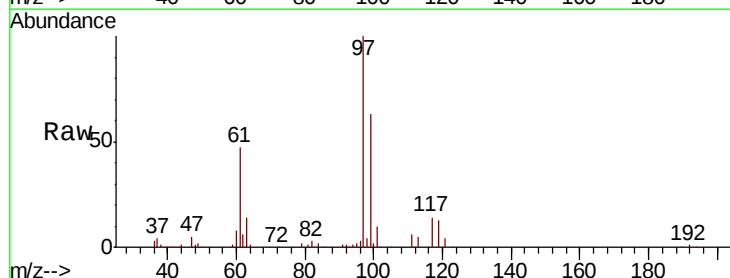
RT: 6.30 min Scan# 485

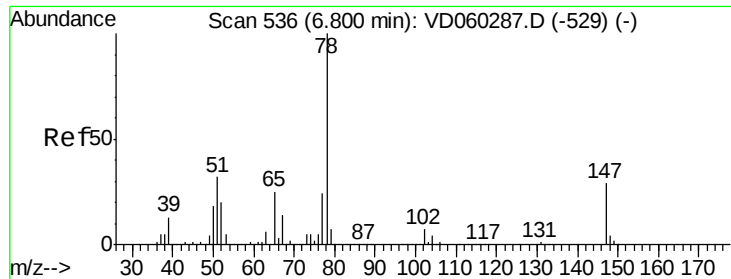
Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion:	97	Resp:	468460
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	46.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 20.895 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tot Ion: 65 Resp: 208734

Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.8

Instrument :

MSVOA_D

ClientSampleId :

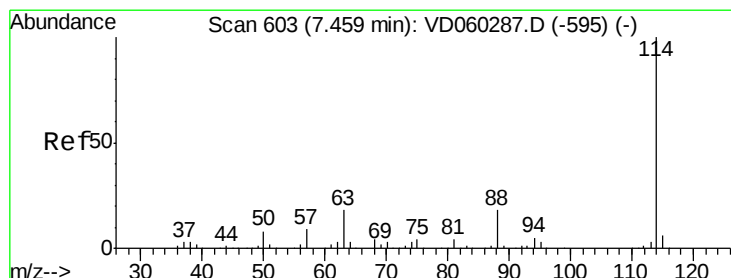
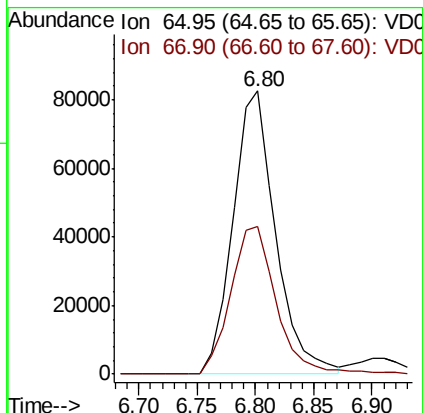
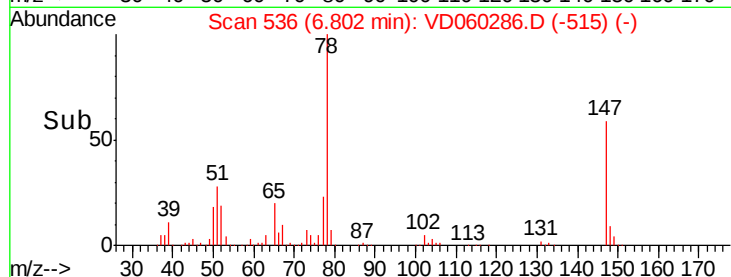
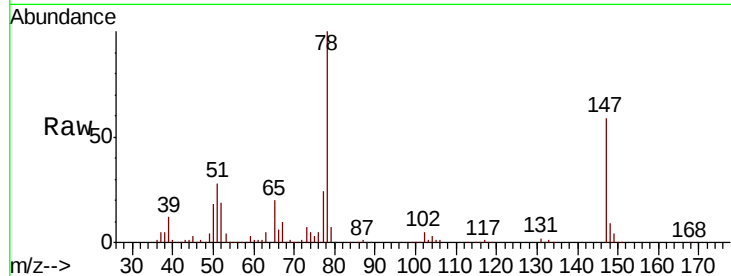
VSTDIC020

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

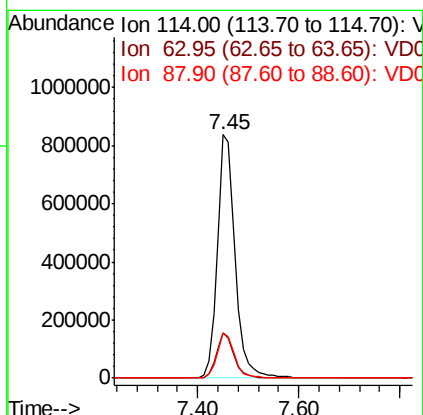
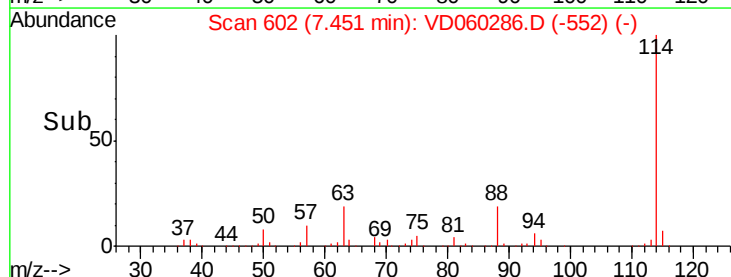
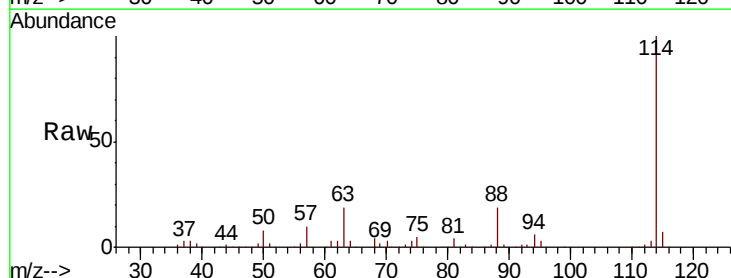
Tgt Ion: 114 Resp: 2087453

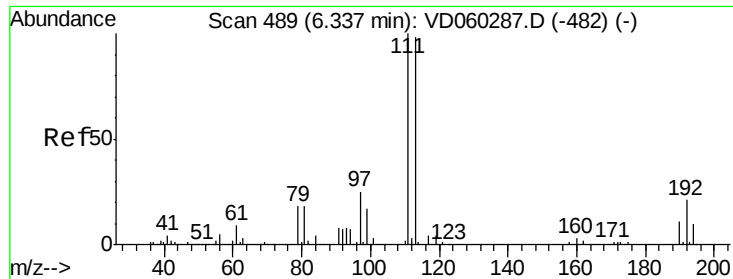
Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 18.7 0.0 35.4





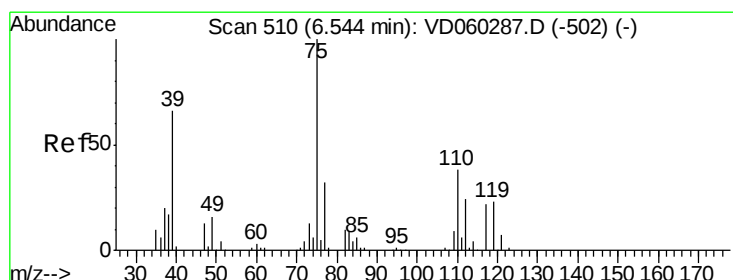
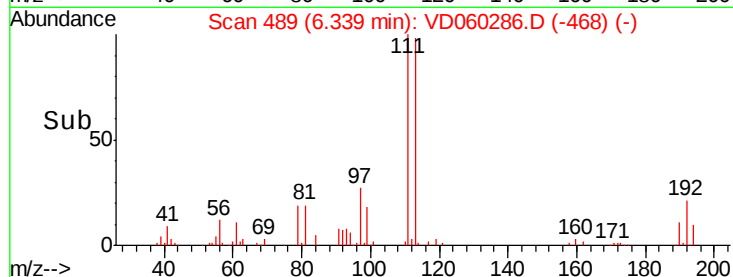
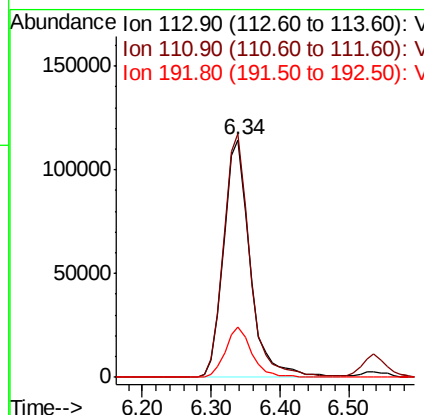
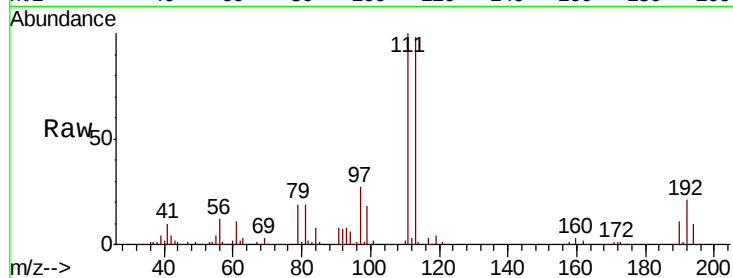
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	305616		
111	102.5	81.6	122.4	
192	21.3	16.5	24.7	

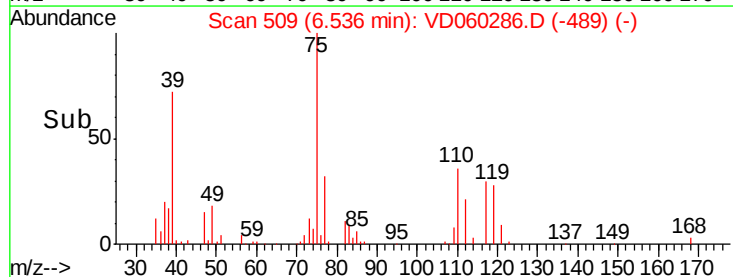
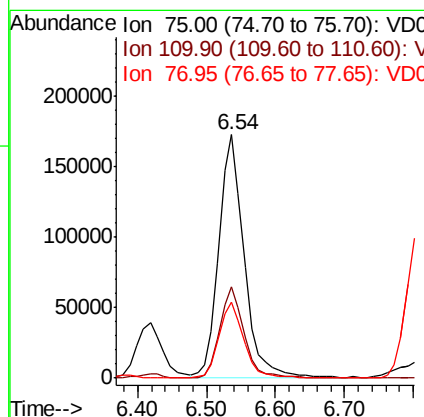
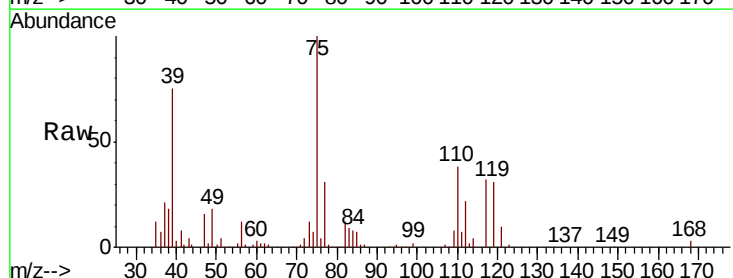
Manual Integrations
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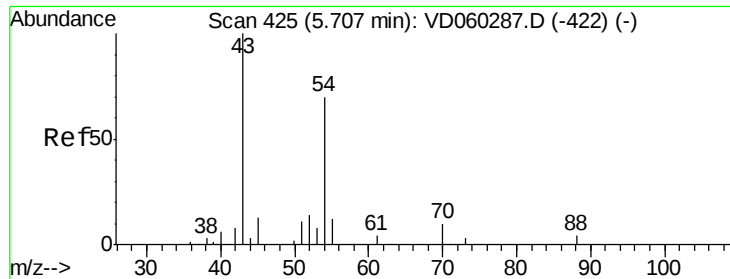
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.538 ug/l
 RT: 6.54 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	434631		
110	37.7	18.0	54.0	
77	31.4	25.6	38.4	





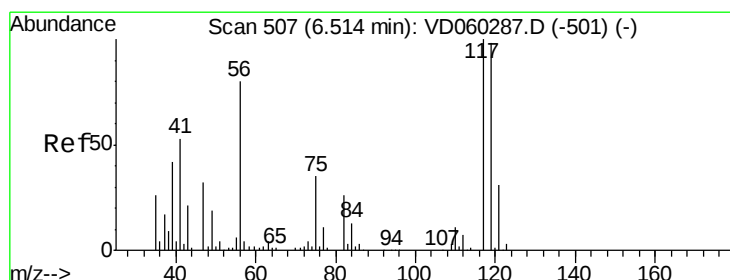
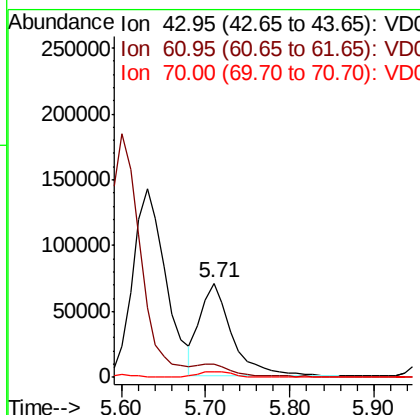
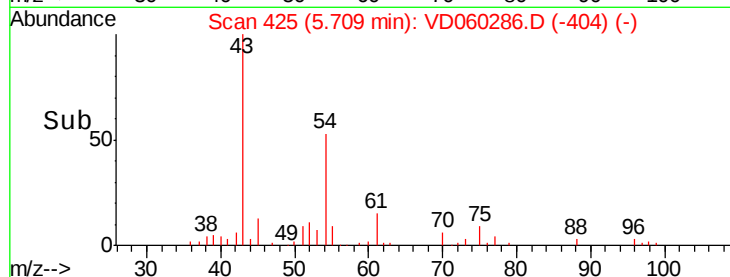
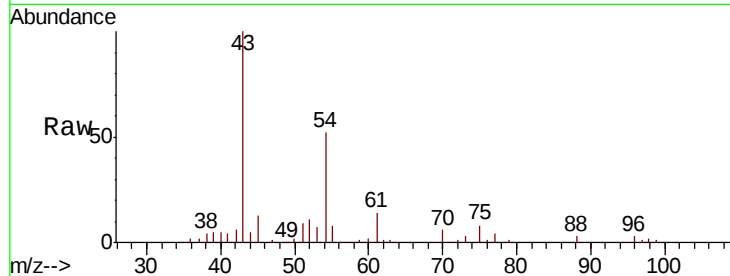
#37
Ethyl Acetate
Concen: 20.616 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	6.4	6.2	9.4

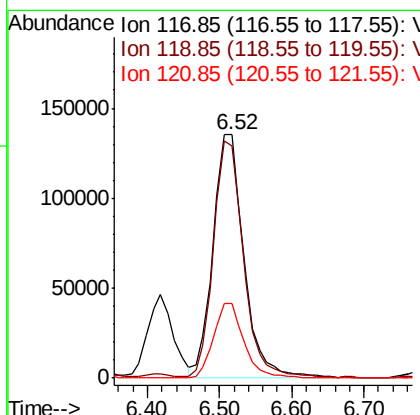
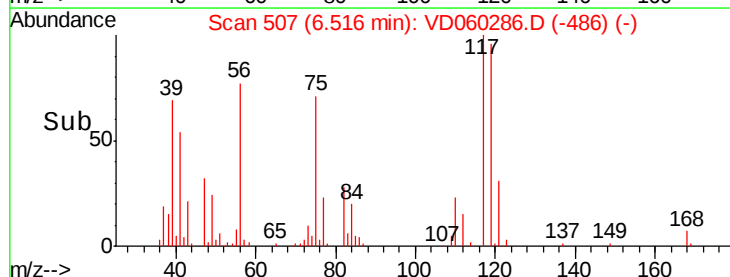
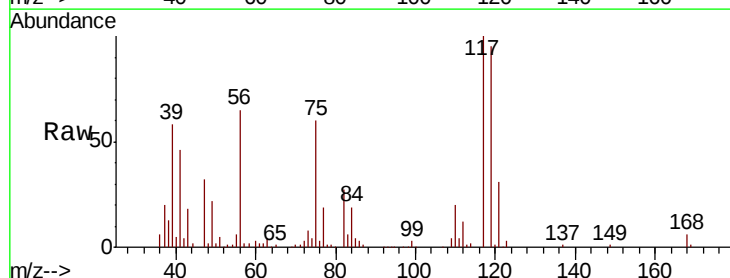
Manual Integrations
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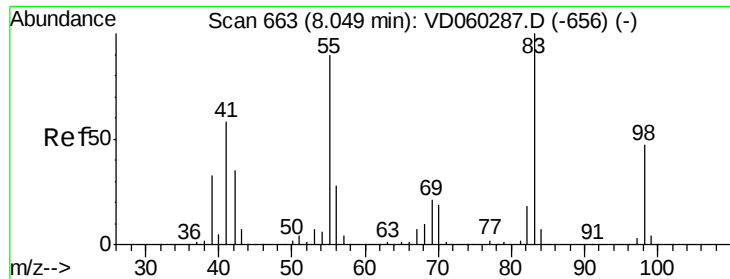
apatel
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#38
Carbon Tetrachloride
Concen: 21.588 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.6	115.0
121	30.6	24.3	36.5





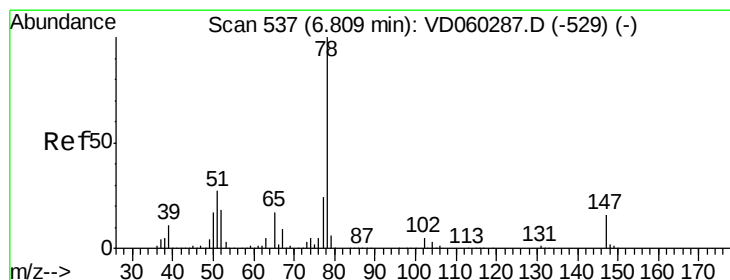
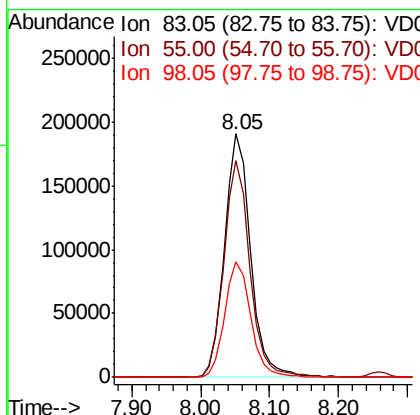
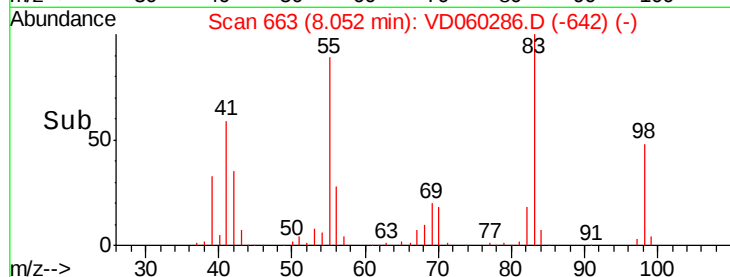
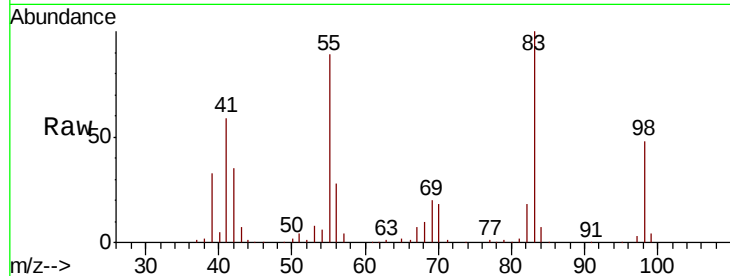
#39
Methvlcvclohexane
Concen: 21.981 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	498762
Ion Ratio	Lower	Upper	
83	100		
55	89.2	71.2	106.8
98	47.7	38.4	57.6

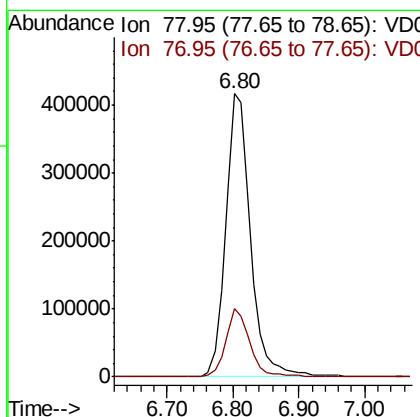
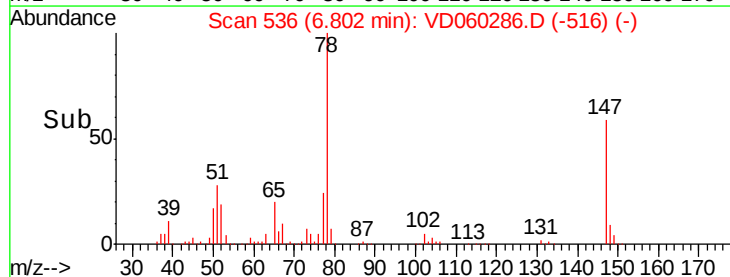
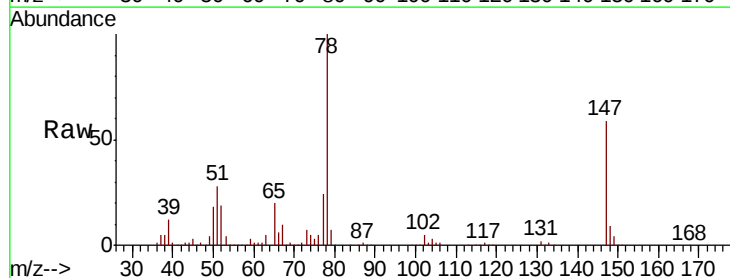
Manual Integrations
APPROVED

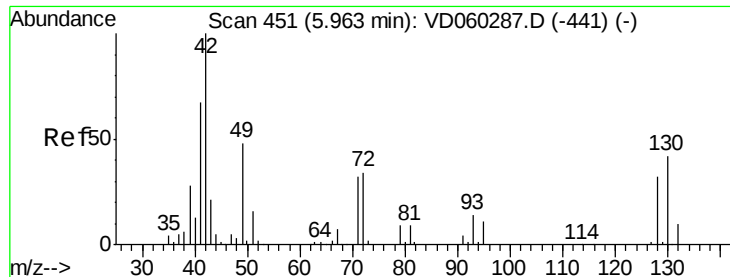
apatel
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#40
Benzene
Concen: 21.046 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	78	Resp	1095891
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.8	28.2





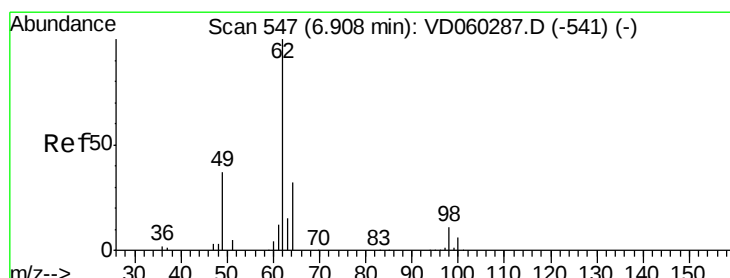
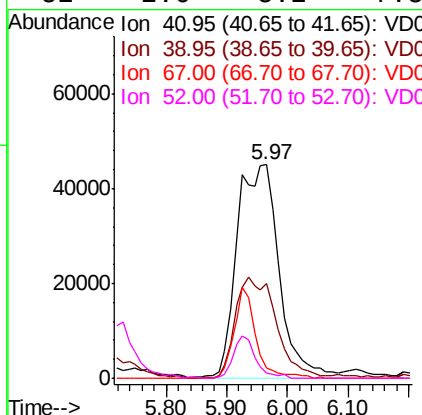
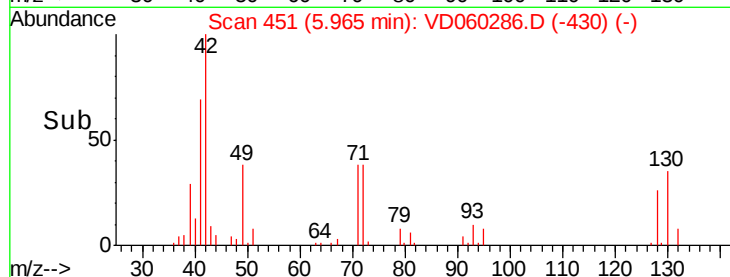
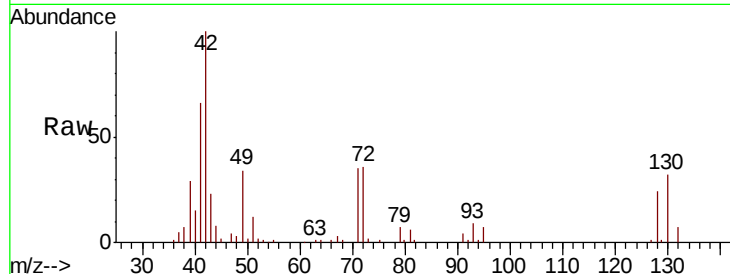
#41
Methacrylonitrile
Concen: 36.660 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.2	36.2	54.2
67	4.6	11.9	17.9
52	2.6	5.2	7.8

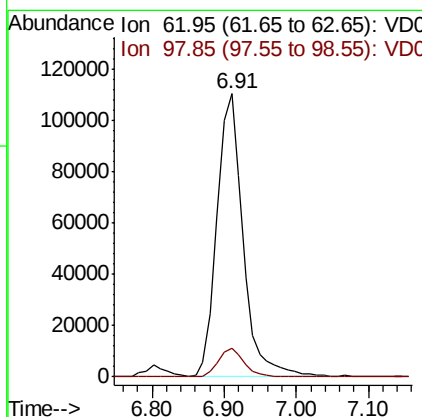
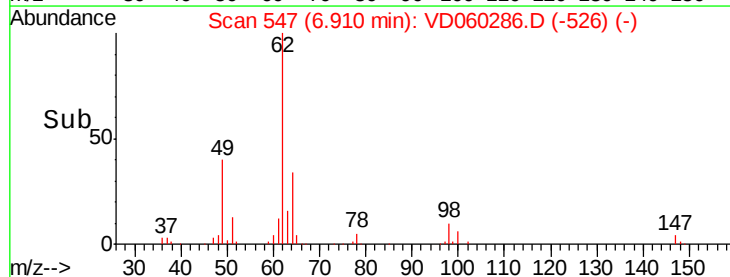
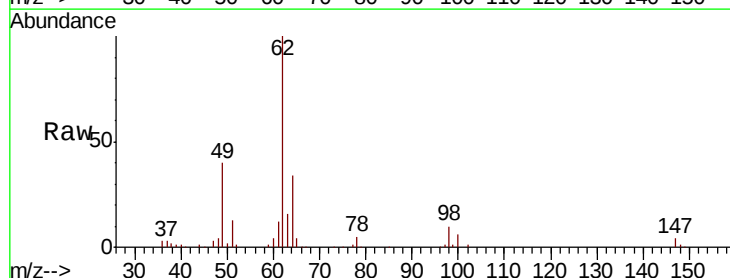
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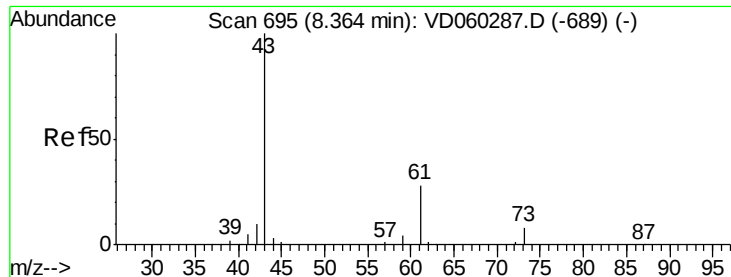
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#42
1,2-Dichloroethane
Concen: 20.503 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 19.483 ug/l

RT: 8.36 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

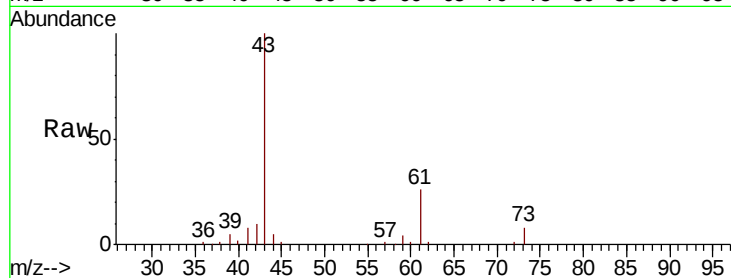
ClientSampleId :

VSTDIC020

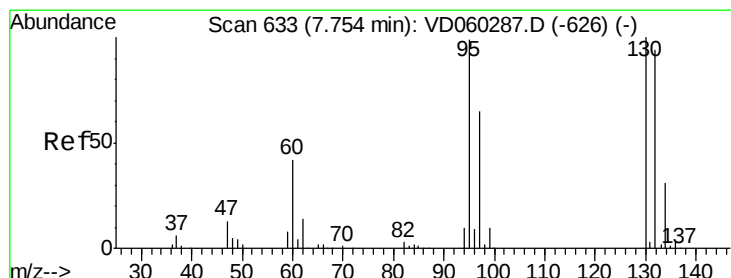
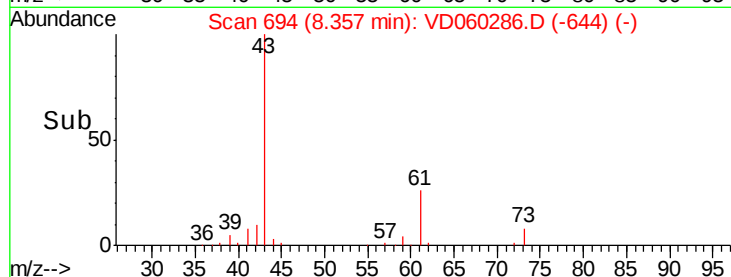
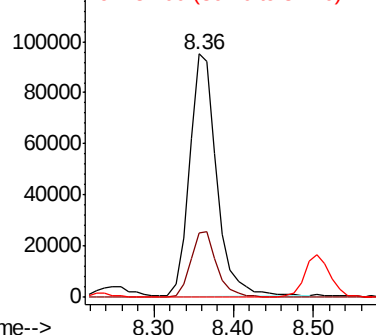
Tot Ion:	43	Resp:	226494
Ion	Ratio	Lower	Upper
43	100		
61	26.4	22.3	33.5
87	0.0	0.2	0.2#

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.825 ug/l

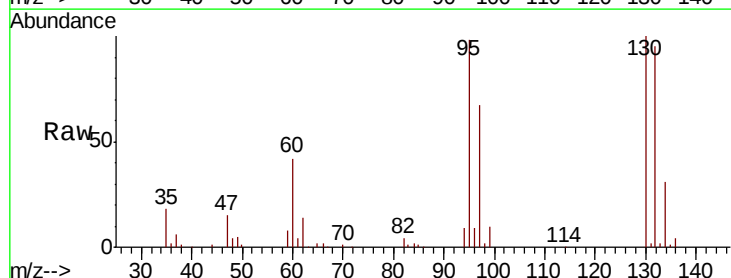
RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

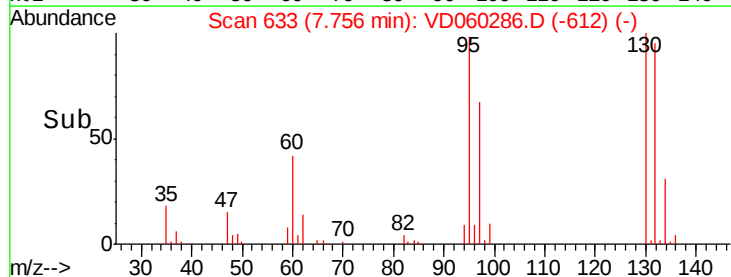
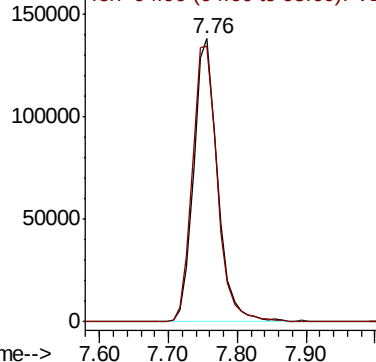
Lab File: VD060286.D

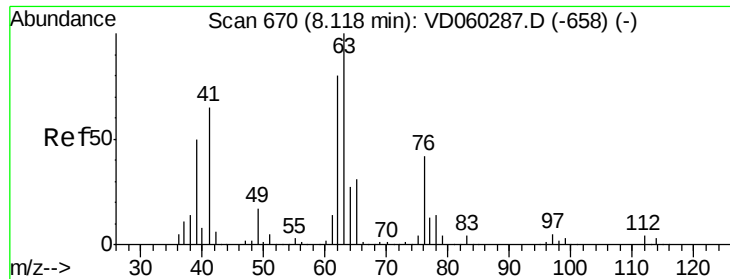
Acq: 6 Nov 2018 12:03

Tgt Ion:	130	Resp:	331397
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.139 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 274550

Ion Ratio Lower Upper

63 100

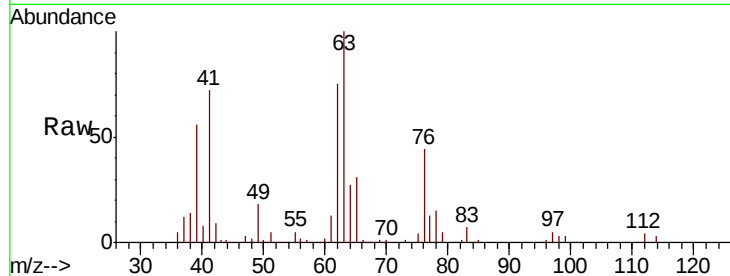
65 31.2 23.4 35.2

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

120000

100000

80000

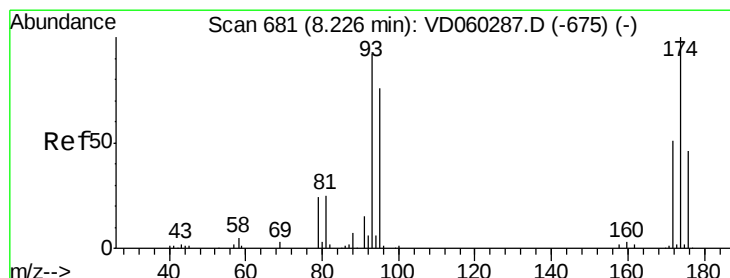
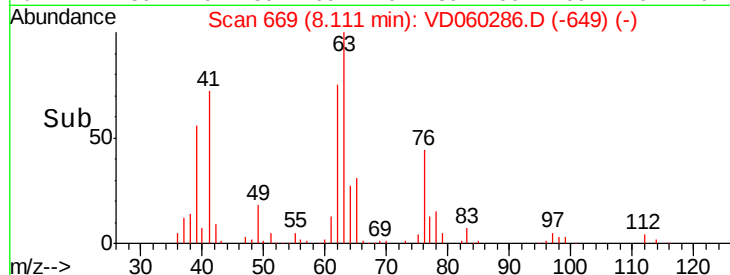
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.751 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

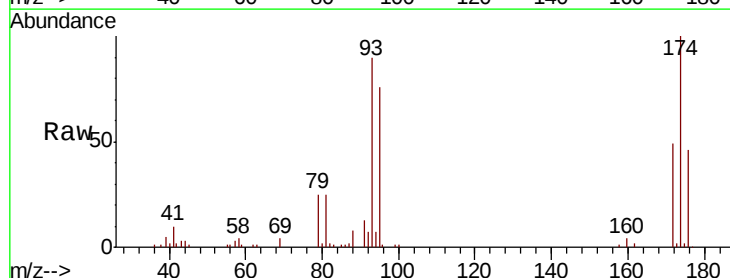
Tgt Ion: 93 Resp: 154542

Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

174 110.5 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

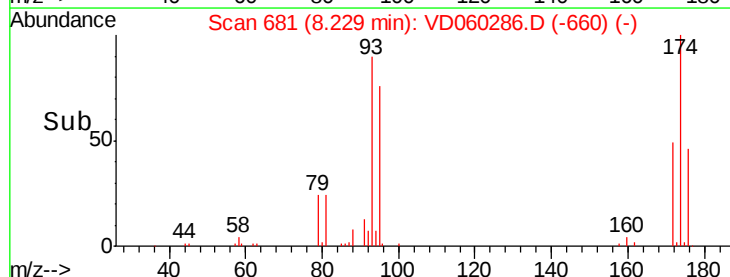
60000

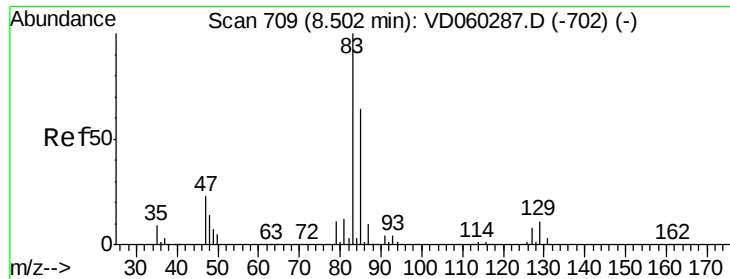
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 21.033 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

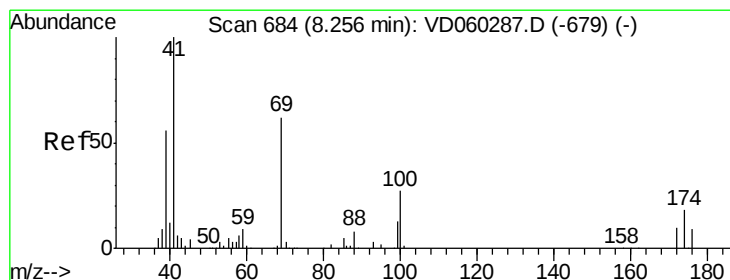
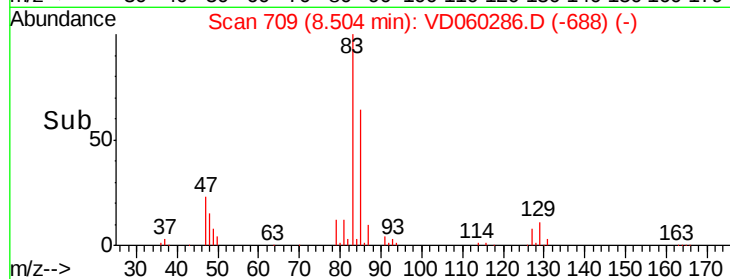
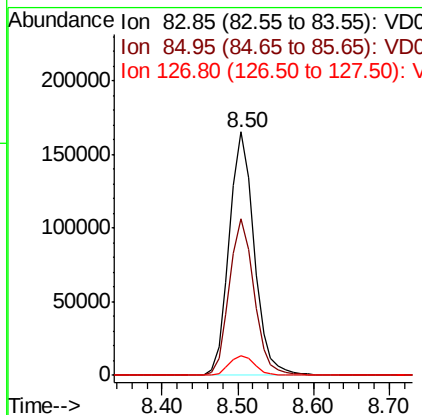
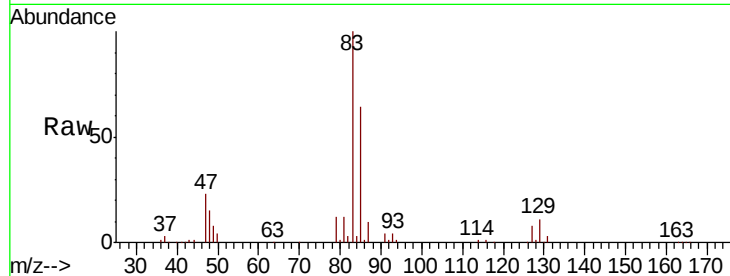
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	377022
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.0	76.6
127	7.8	6.2	9.4

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#48

Methyl methacrylate

Concen: 20.456 ug/l

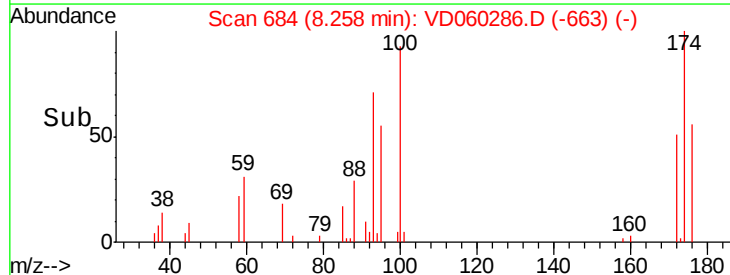
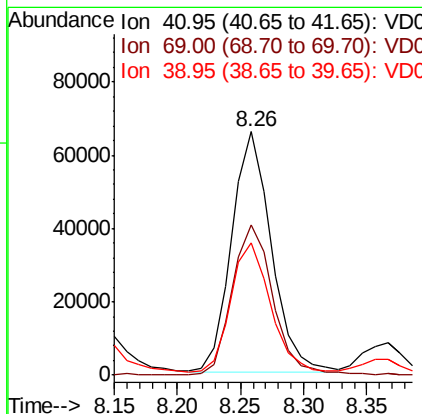
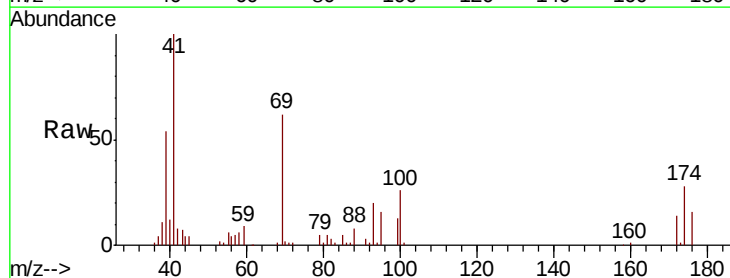
RT: 8.26 min Scan# 684

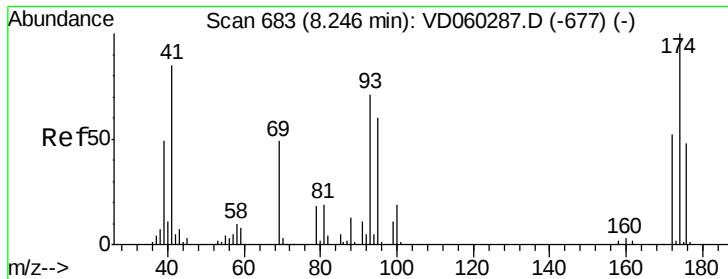
Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion:	41	Resp:	142484
Ion Ratio	Lower	Upper	
41	100		
69	61.8	47.0	70.4
39	54.3	46.2	69.4





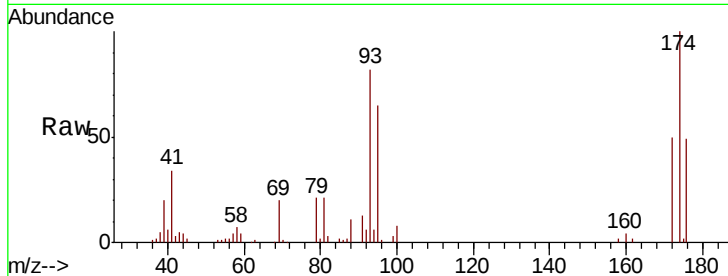
#49
1,4-Dioxane
Concen: 391.693 ug/l
RT: 8.24 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

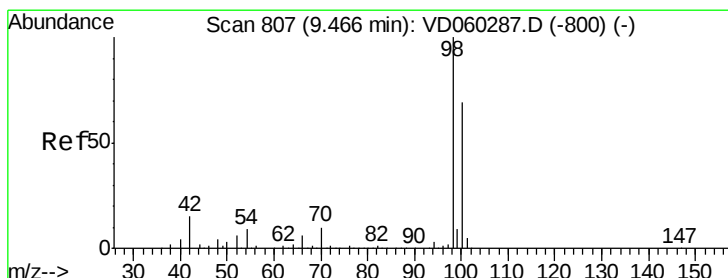
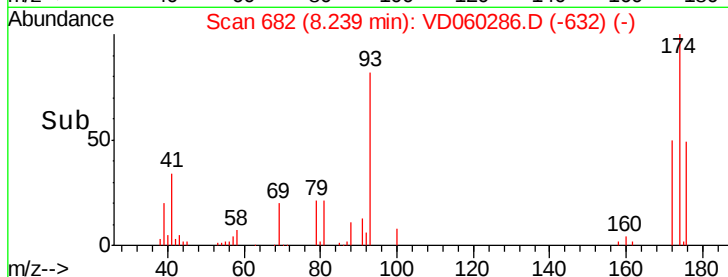
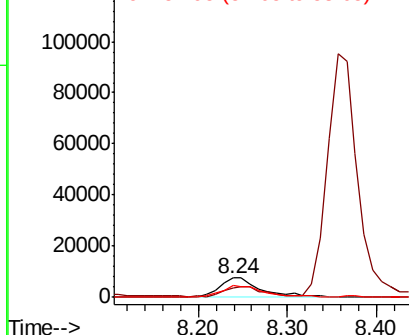
Tot Ion	88	Resp	24426
Ion Ratio	100	Lower	Upper
88	100		
43	47.9	39.7	59.5
58	61.7	60.2	90.2

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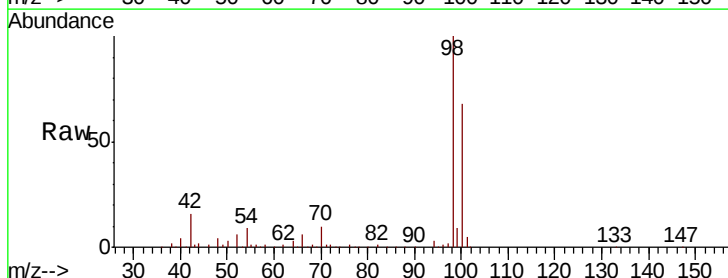


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

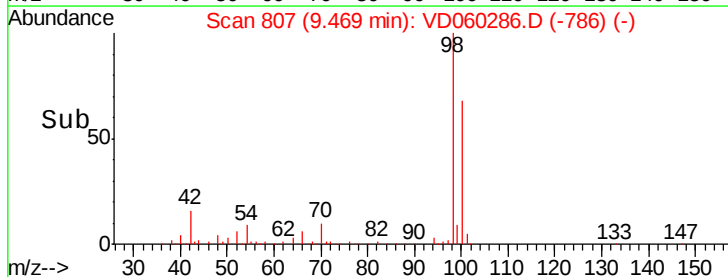
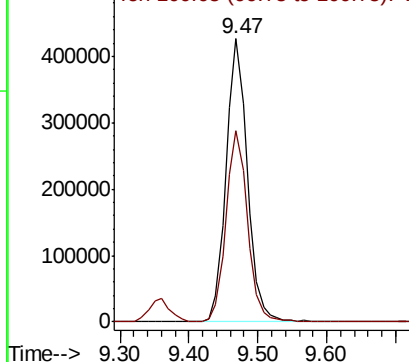


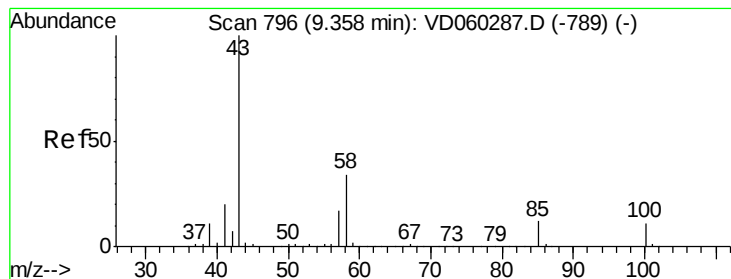
#50
Toluene-d8
Concen: 391.693 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	98	Resp	909435
Ion Ratio	100	Lower	Upper
98	100		
100	67.7	55.2	82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.271 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 765086

Ion Ratio Lower Upper

43 100

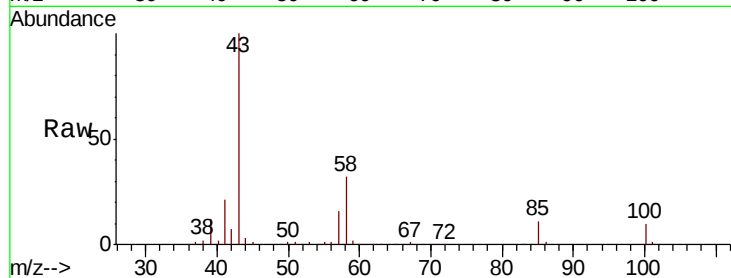
58 32.3 26.1 39.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

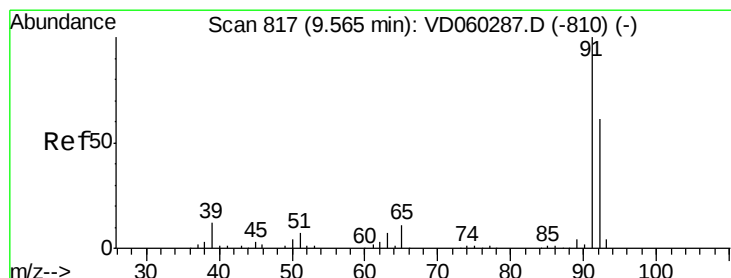
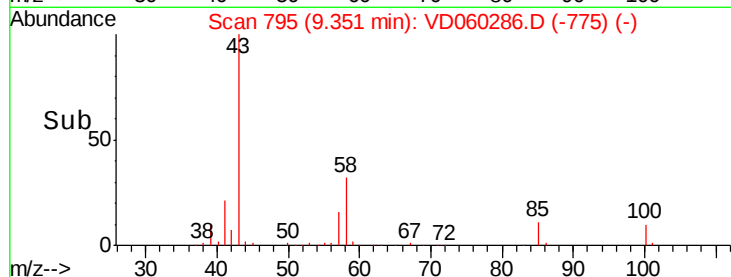
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.362 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060286.D

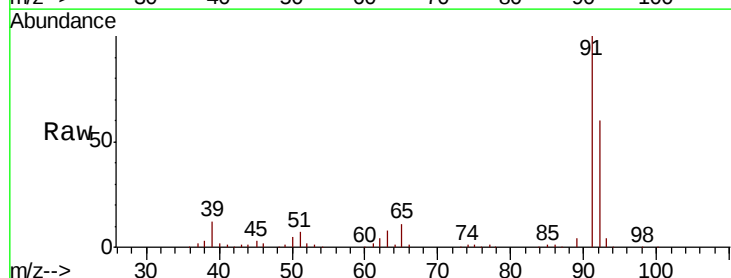
Acq: 6 Nov 2018 12:03

Tgt Ion: 92 Resp: 703869

Ion Ratio Lower Upper

92 100

91 165.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

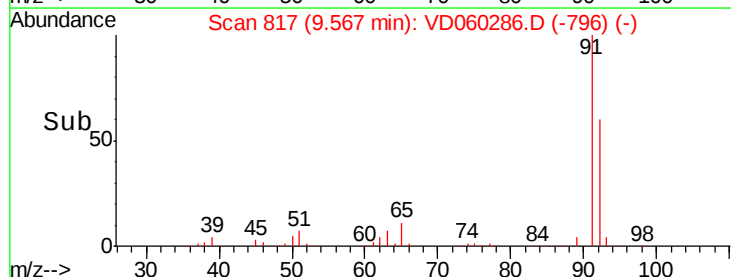
300000

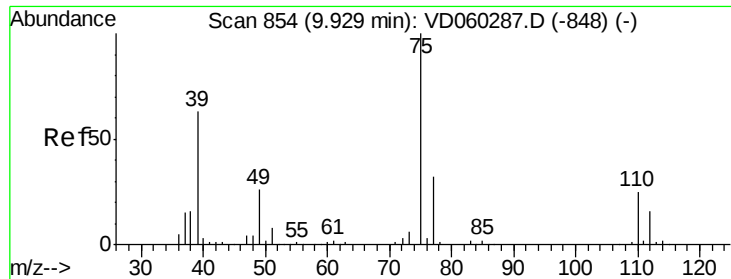
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.162 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tot Ion: 75 Resp: 314699

Ion Ratio Lower Upper

75 100

77 33.9 25.2 37.8

Instrument :

MSVOA_D

ClientSampleId :

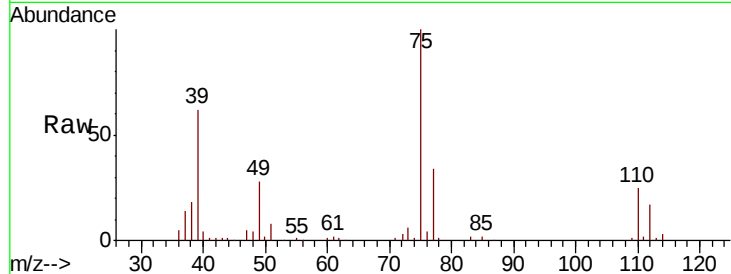
VSTDIC020

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.93

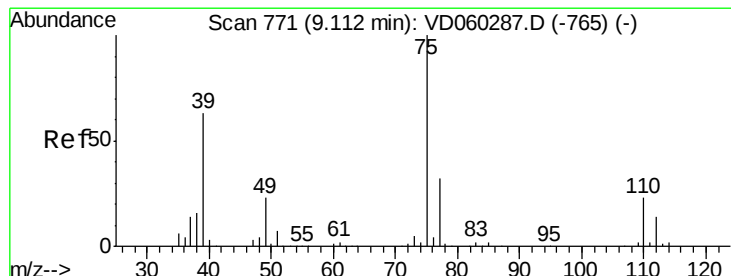
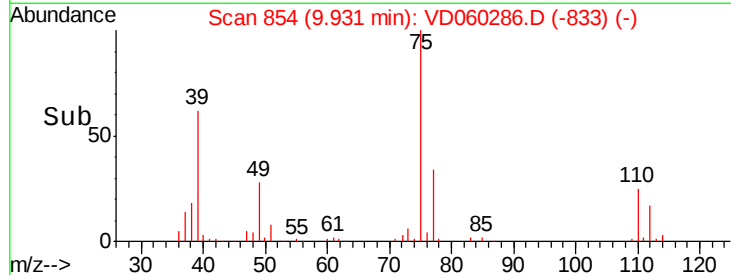
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.737 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

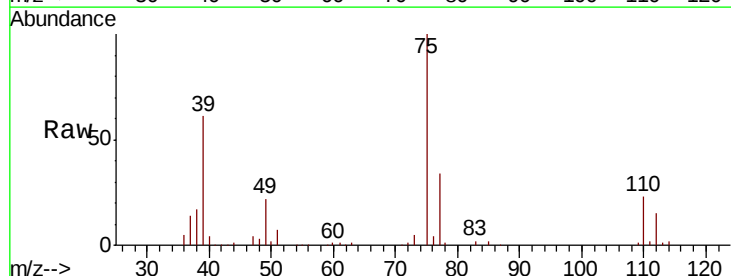
Tgt Ion: 75 Resp: 402380

Ion Ratio Lower Upper

75 100

77 34.2 26.3 39.5

39 61.3 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

250000

200000

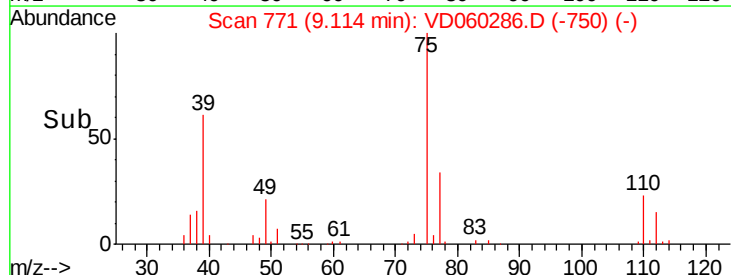
150000

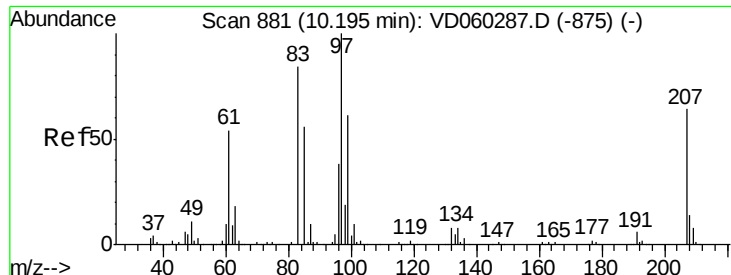
100000

50000

0

Time-->





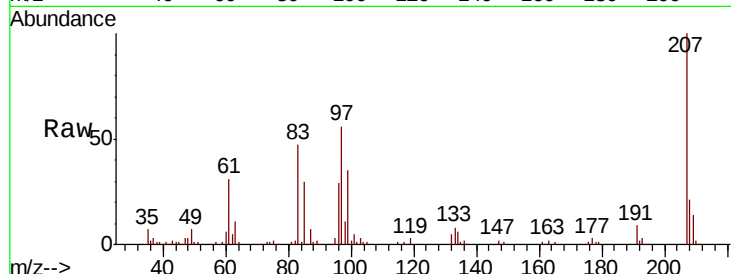
#55
 1,1,2-Trichloroethane
 Concen: 20.873 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

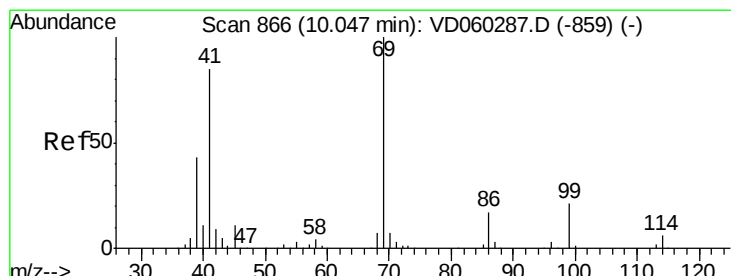
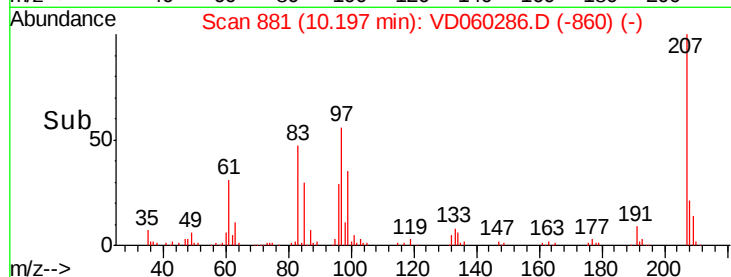
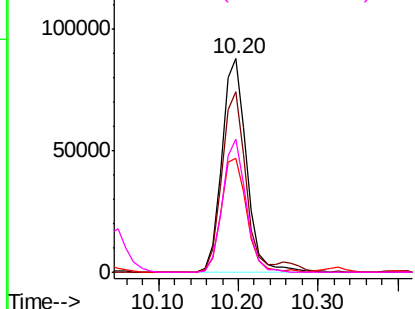
Tot Ion	97	Resp	192402
Ion Ratio	Lower	Upper	
97	100		
83	84.4	68.4	102.6
85	53.6	46.8	70.2
99	62.4	49.5	74.3

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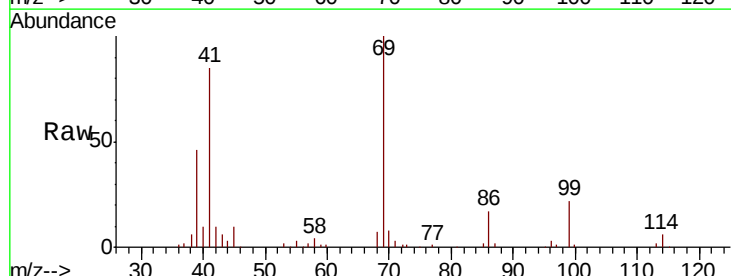


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

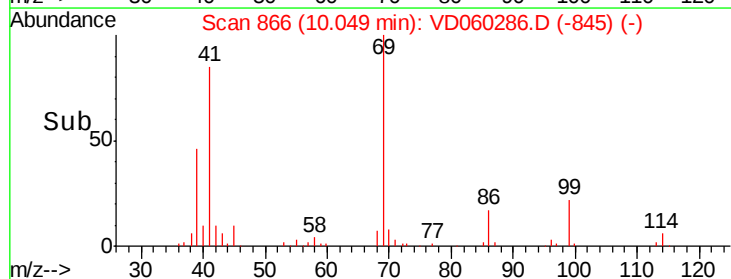
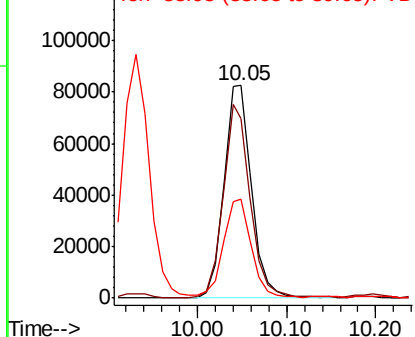


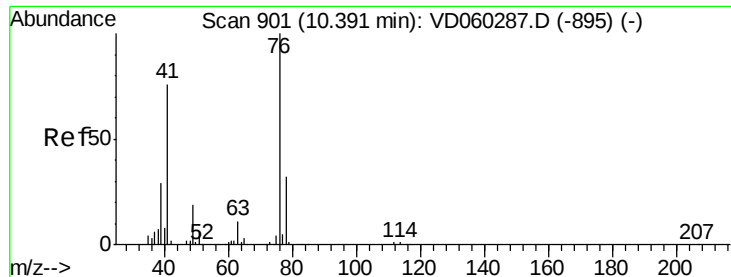
#56
 Ethyl methacrylate
 Concen: 20.475 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	69	Resp	179404
Ion Ratio	Lower	Upper	
69	100		
41	84.7	69.0	103.4
39	46.5	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.273 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 299634

Ion Ratio Lower Upper

76 100

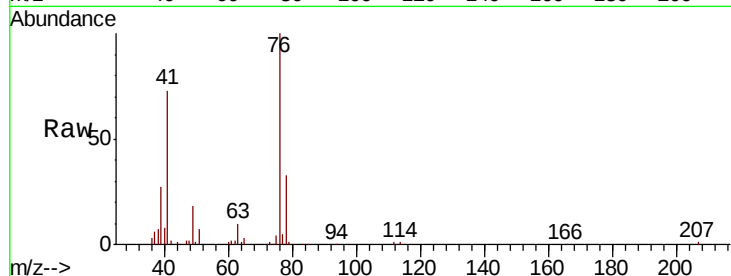
78 32.9 25.9 38.9

Manual Integrations

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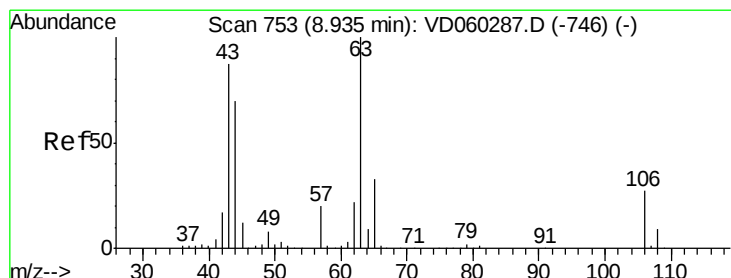
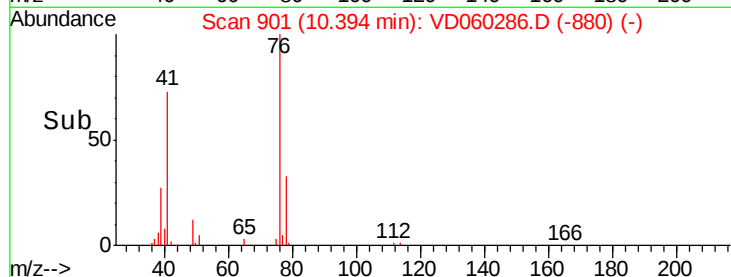
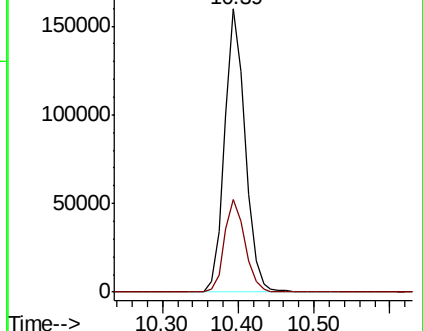
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.768 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060286.D

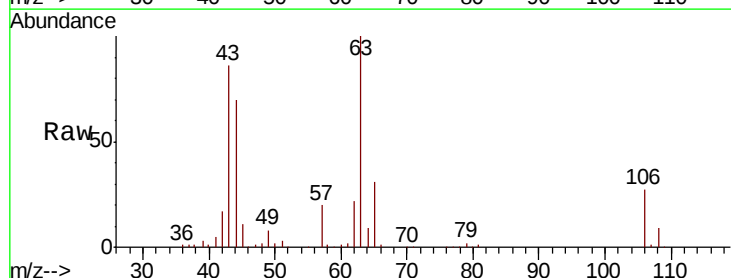
Acq: 6 Nov 2018 12:03

Tgt Ion: 63 Resp: 568655

Ion Ratio Lower Upper

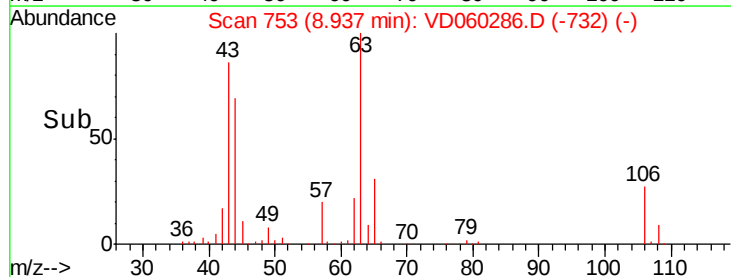
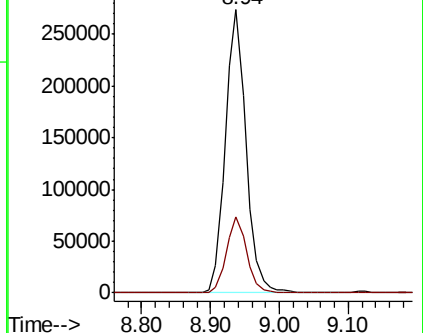
63 100

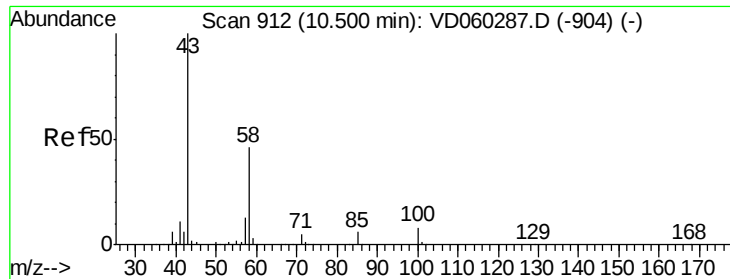
106 26.8 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





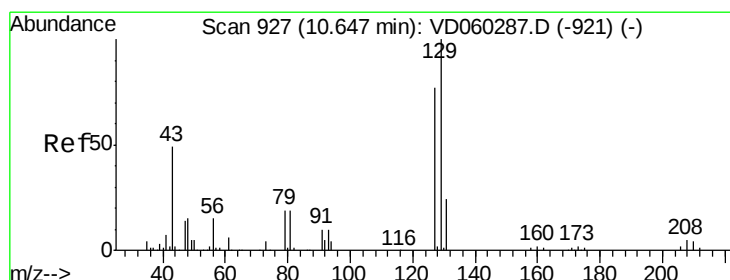
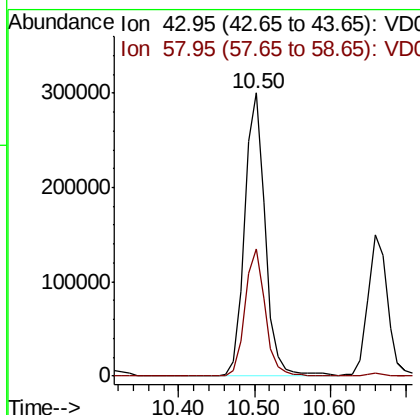
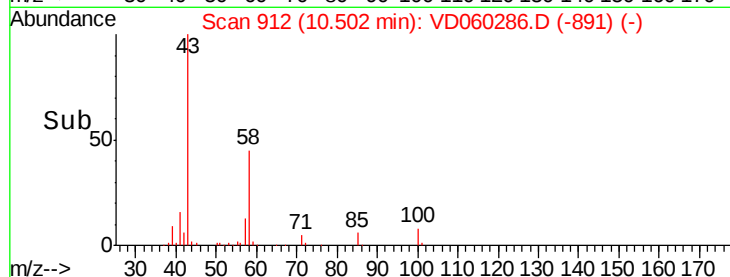
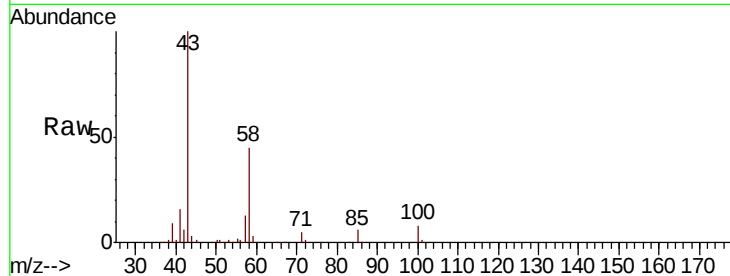
#59
2-Hexanone
Concen: 104.107 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 562598
Ion Ratio Lower Upper
43 100
58 45.0 22.9 68.5

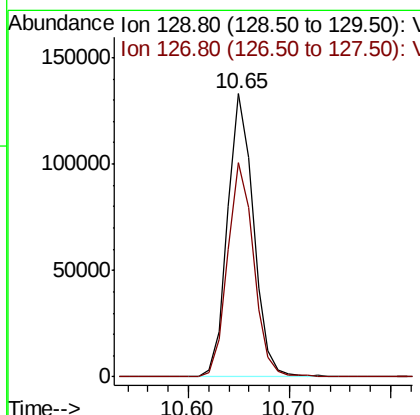
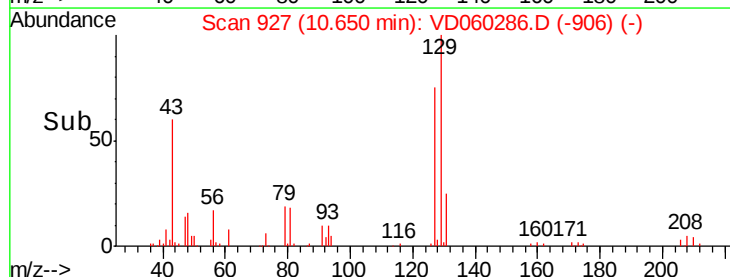
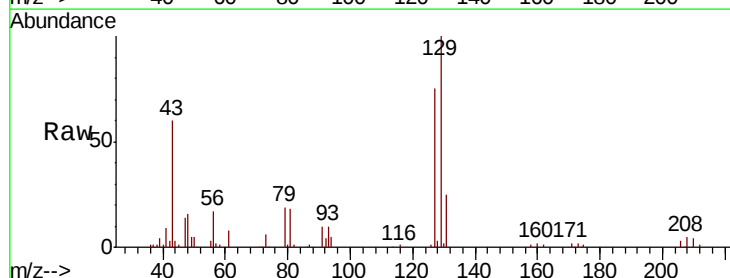
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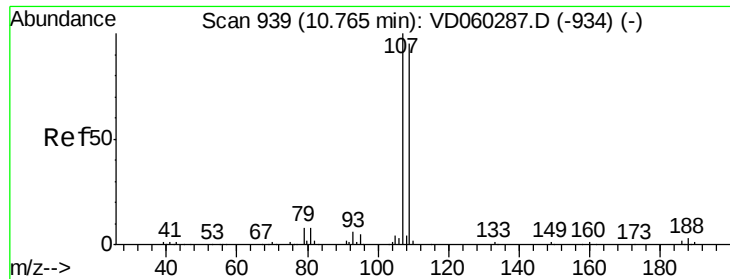
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#60
Dibromochloromethane
Concen: 20.276 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion: 129 Resp: 236919
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.6





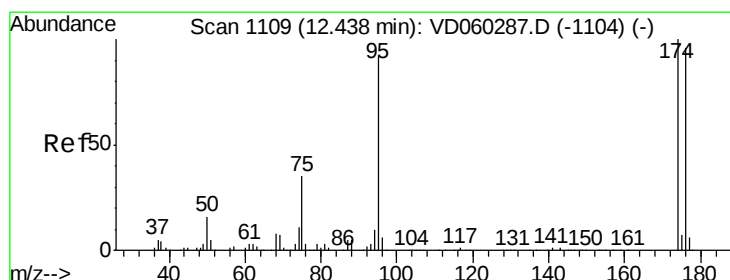
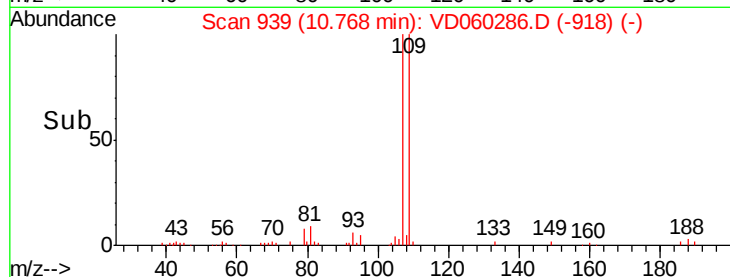
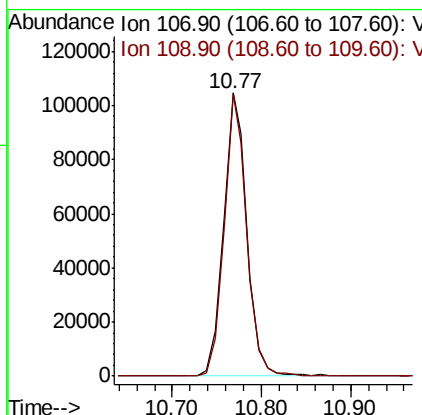
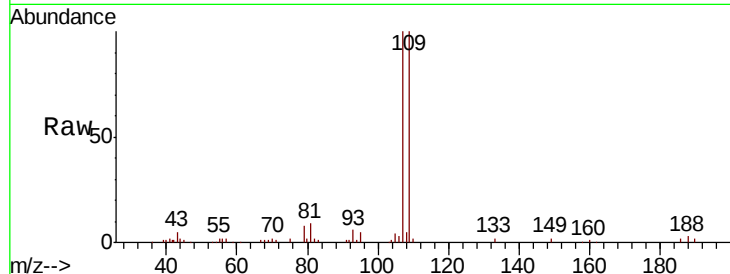
#61
 1,2-Dibromoethane
 Concen: 20.472 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 191462
 Ion Ratio Lower Upper
 107 100
 109 99.7 75.7 113.5

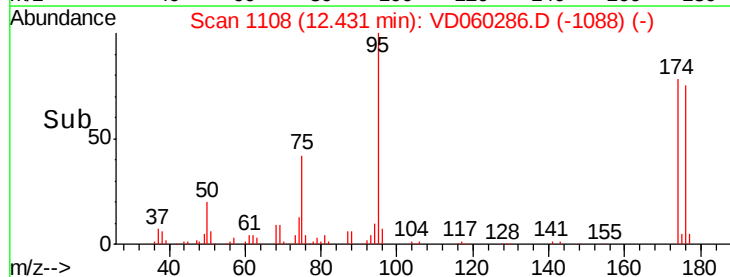
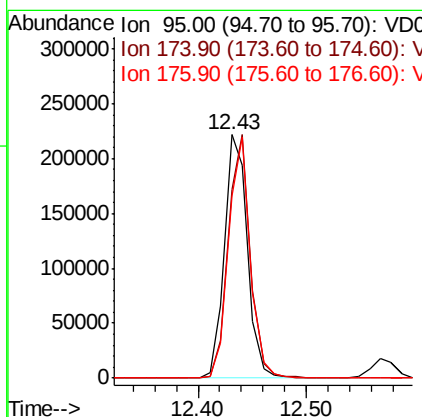
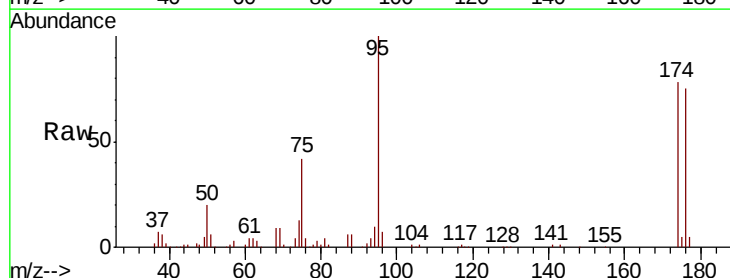
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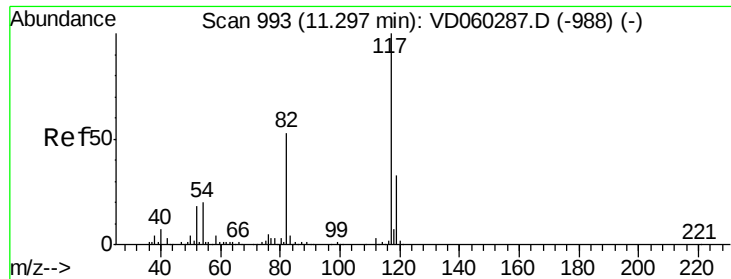
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#62
 4-Bromofluorobenzene
 Concen: 20.472 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion: 95 Resp: 327100
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 160.8
 176 74.9 0.0 154.6





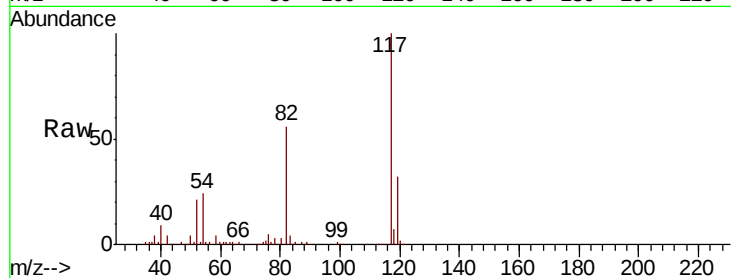
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.7	65.5
119	32.1	26.1	39.1

Manual Integrations
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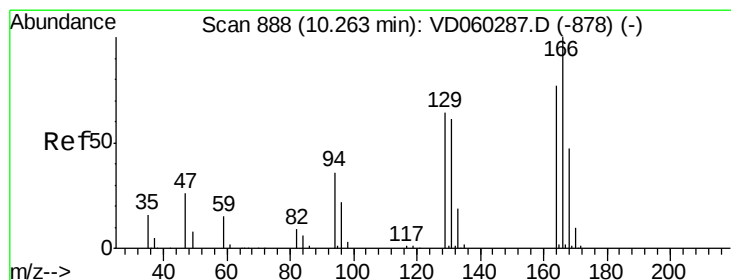
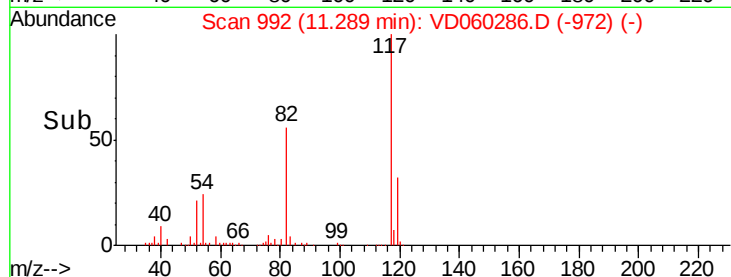
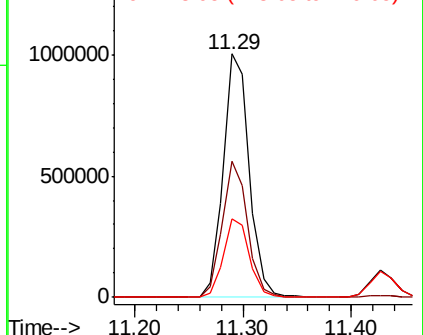


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 21.231 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.7	155.5
129	76.9	65.6	98.4
131	75.9	64.4	96.6

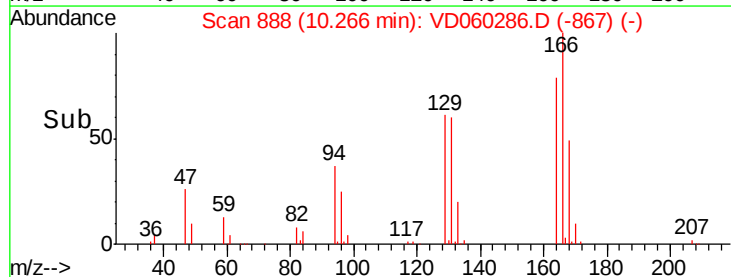
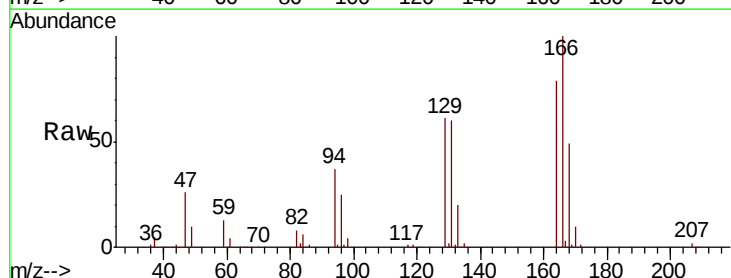
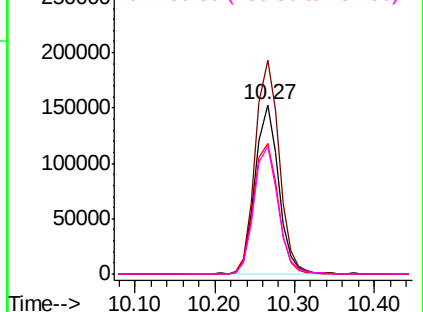
Abundance

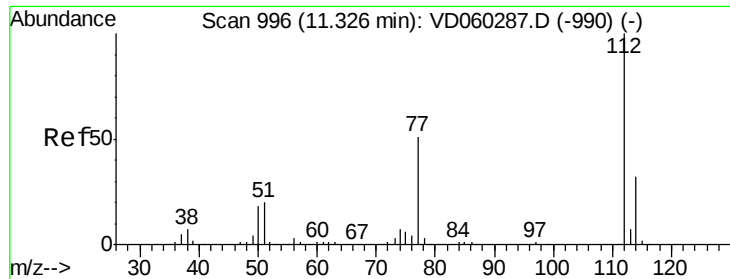
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





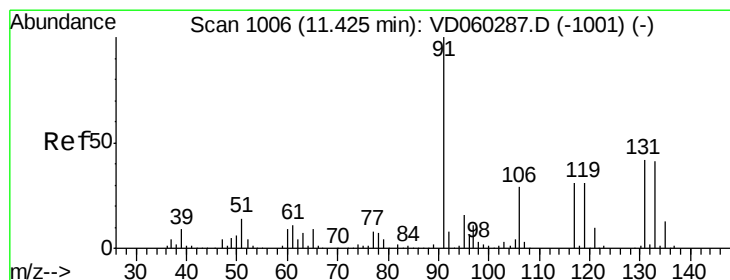
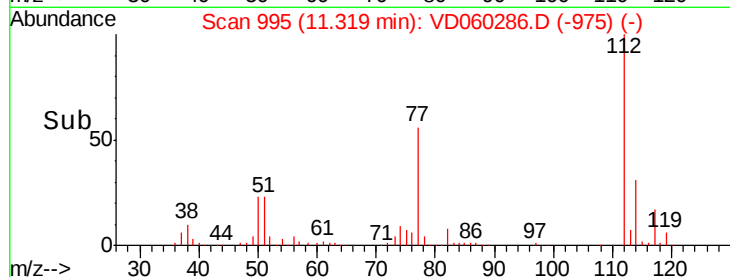
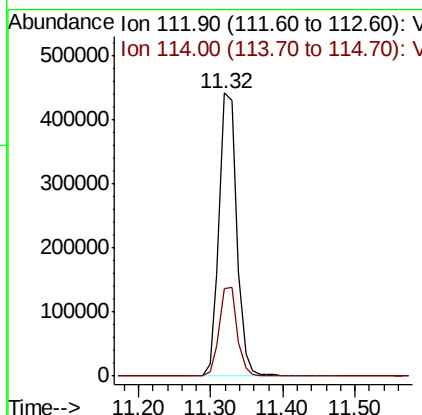
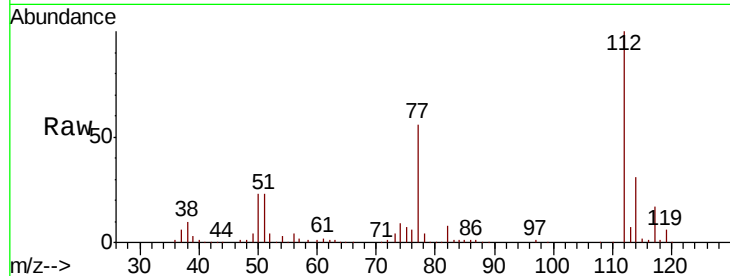
#65
Chlorobenzene
Concen: 20.975 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion:112 Resp: 750656
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8

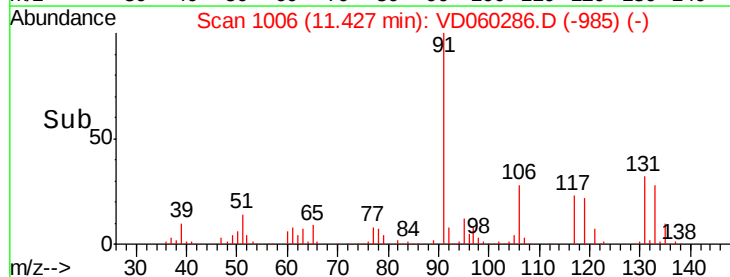
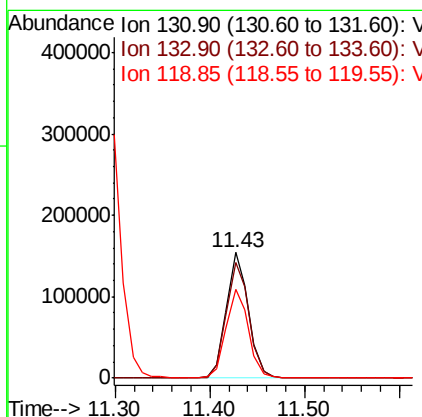
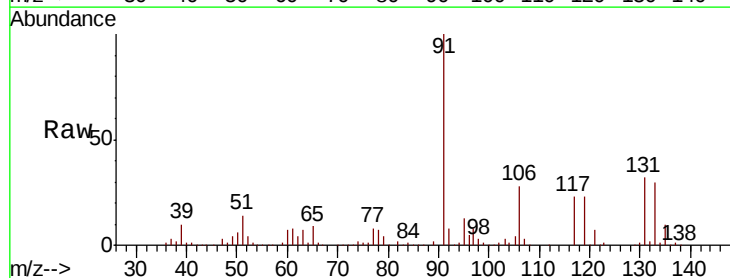
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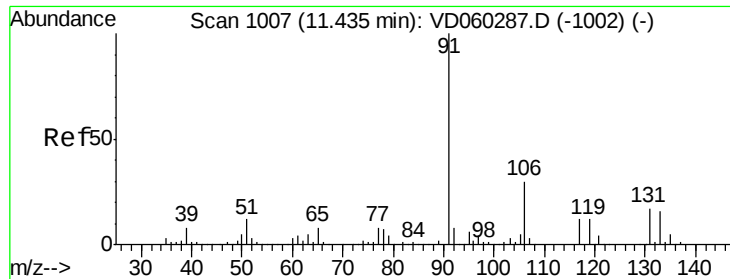
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.989 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion:131 Resp: 247844
Ion Ratio Lower Upper
131 100
133 92.6 50.0 150.0
119 70.5 37.0 111.1





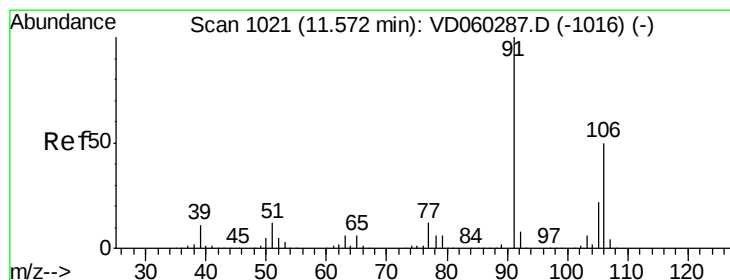
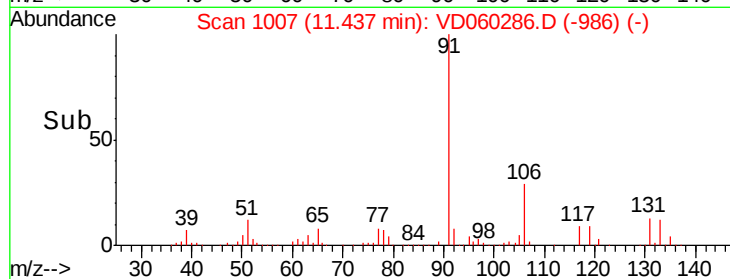
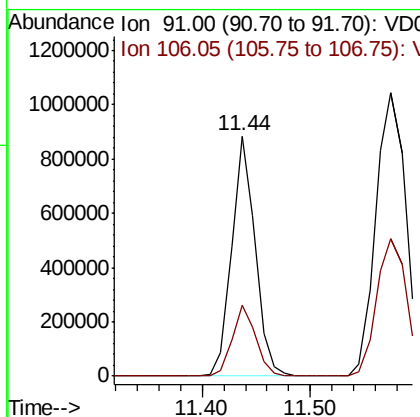
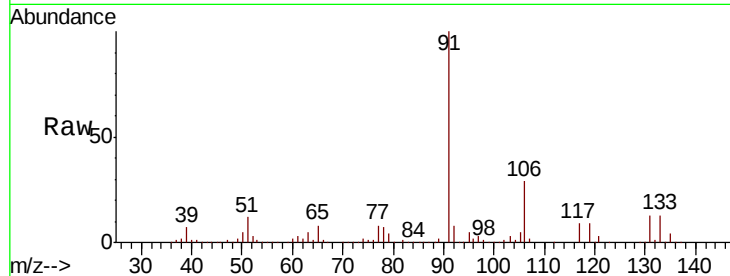
#67
Ethyl Benzene
Concen: 21.823 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 1333544
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

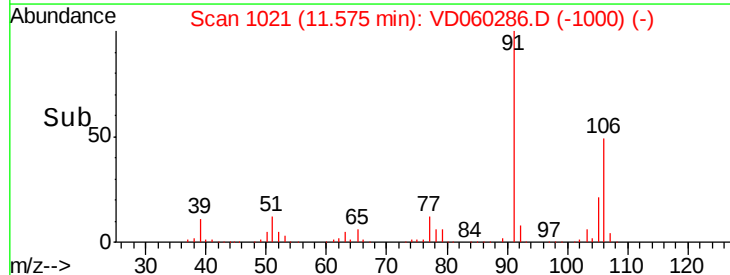
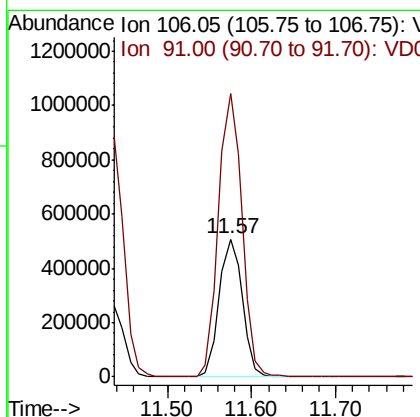
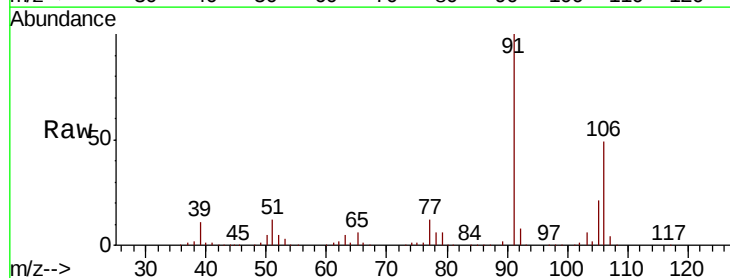
Manual Integrations
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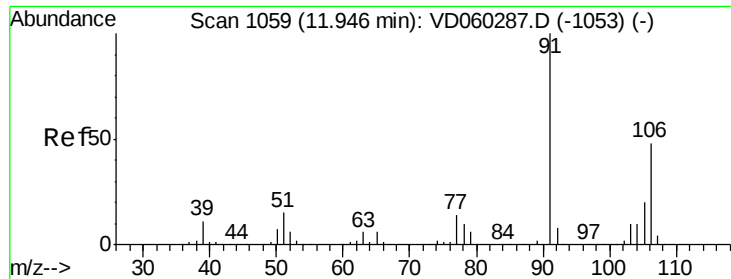
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#68
m/p-Xylenes
Concen: 43.340 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion: 106 Resp: 977578
Ion Ratio Lower Upper
106 100
91 205.0 159.4 239.2





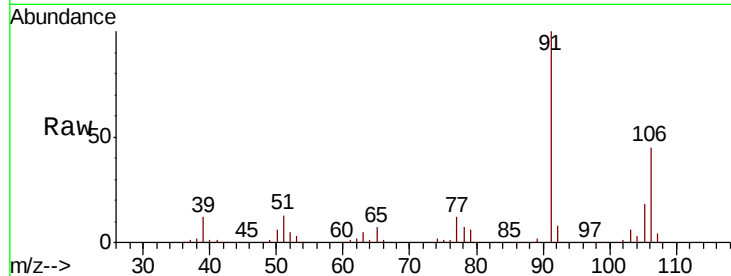
#69
o-Xylene
Concen: 20.933 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

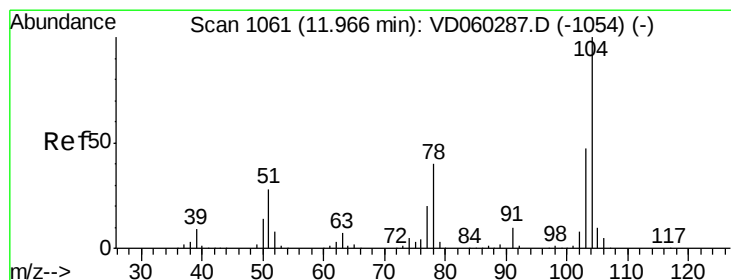
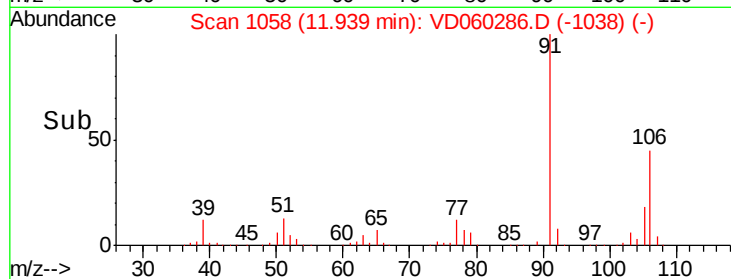
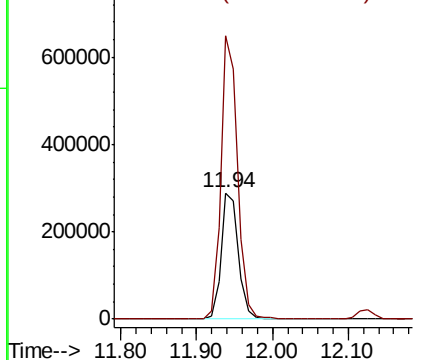
Tot Ion:106 Resp: 458770
Ion Ratio Lower Upper
106 100
91 223.8 109.2 327.6

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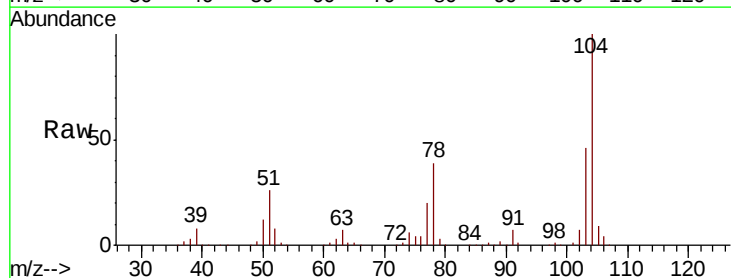


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

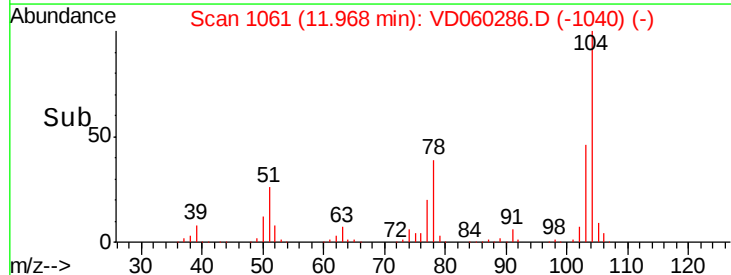
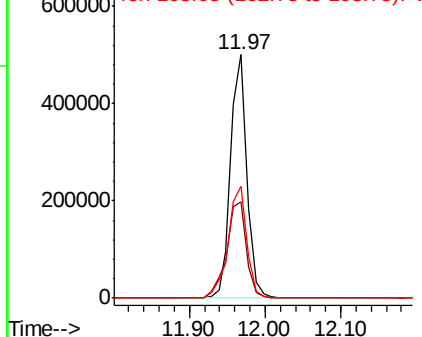


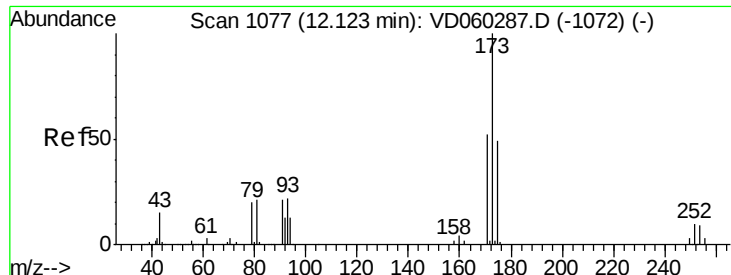
#70
Styrene
Concen: 20.891 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion:104 Resp: 737295
Ion Ratio Lower Upper
104 100
78 39.5 31.6 47.4
103 46.0 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





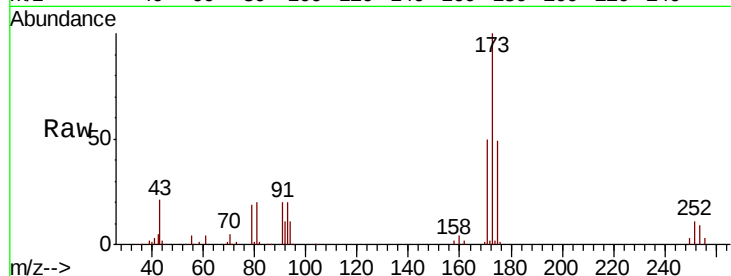
#71
Bromoform
Concen: 20.168 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	9.3	8.3	12.5

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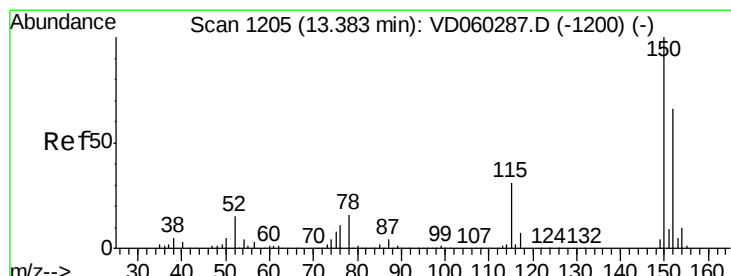
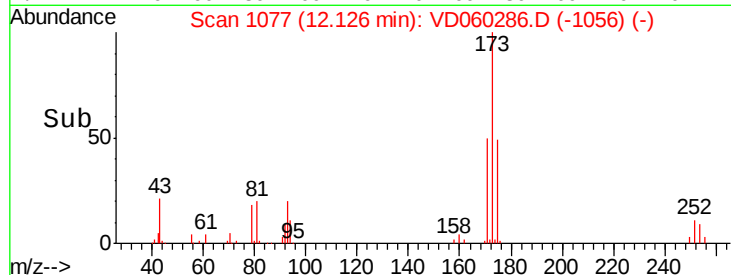
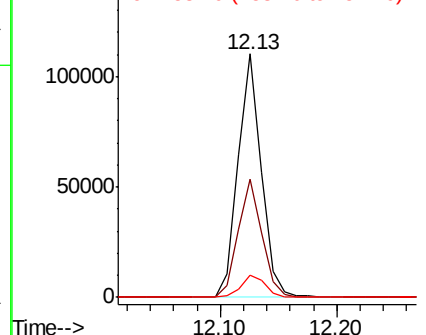


Abundance

Ion 172.80 (172.50 to 173.50): V

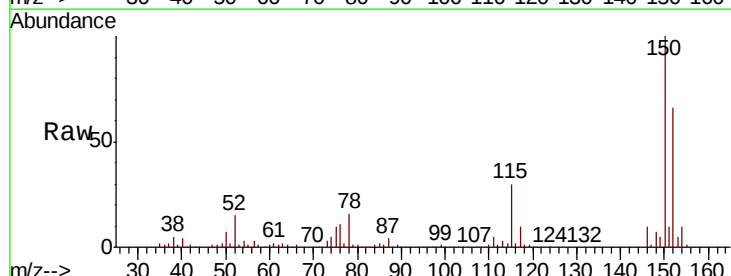
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	46.5	24.1	72.3
150	152.6	0.0	310.6

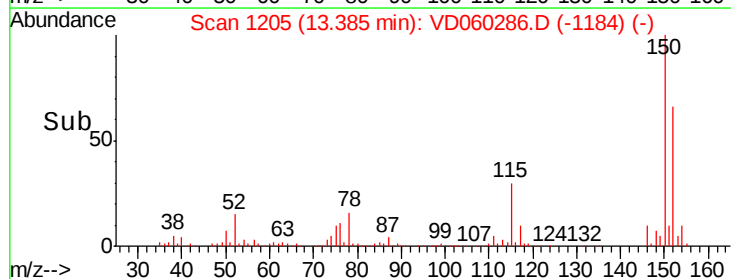
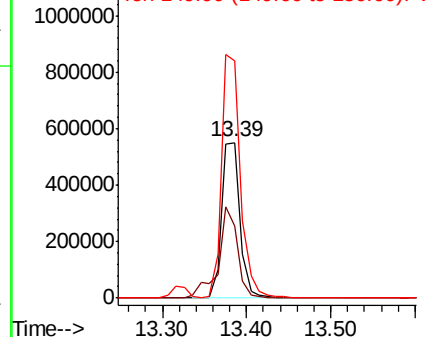


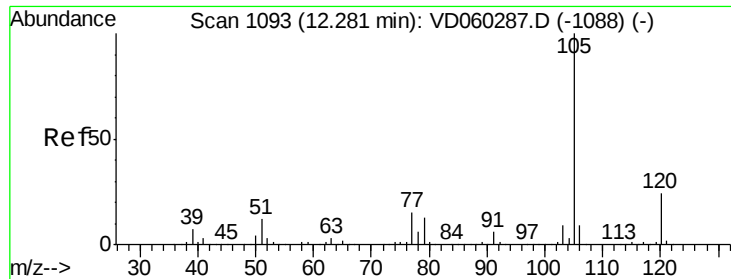
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.990 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1288926

Ion Ratio Lower Upper

105 100

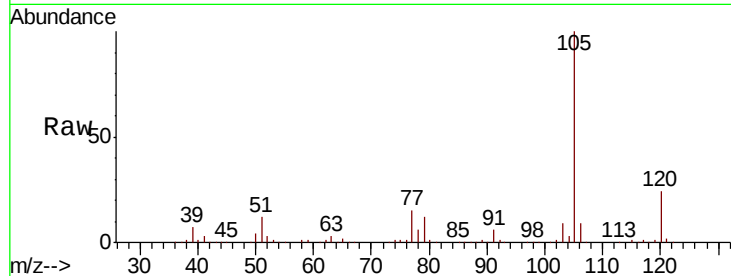
120 24.1 12.1 36.3

Manual Integrations

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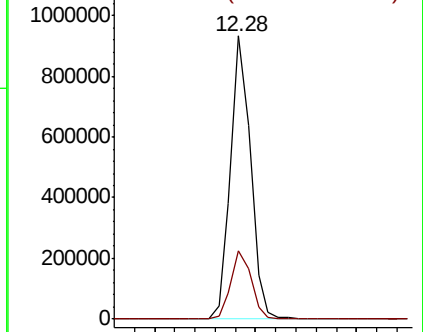
apatel

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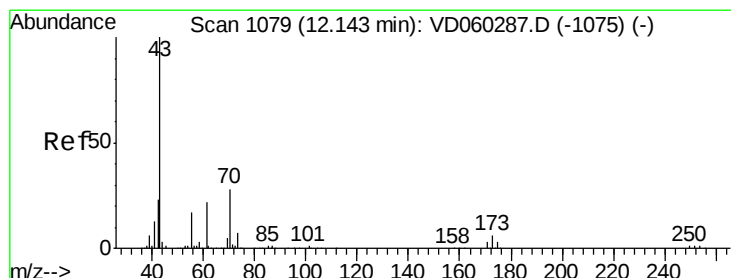
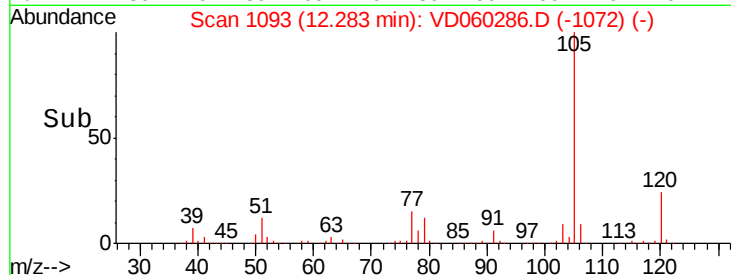


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 21.046 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion: 43 Resp: 313110

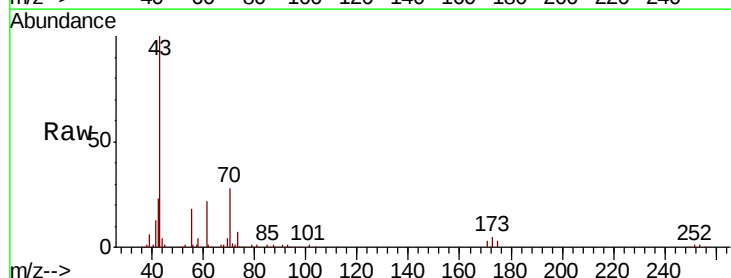
Ion Ratio Lower Upper

43 100

70 27.7 23.0 34.4

55 17.9 14.2 21.4

61 21.6 17.8 26.8

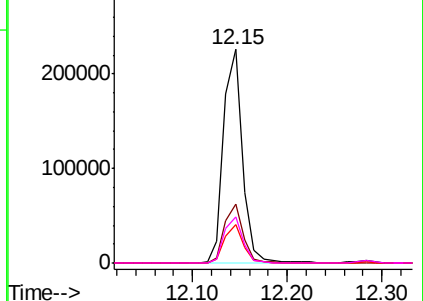


Abundance Ion 42.95 (42.65 to 43.65): VDC

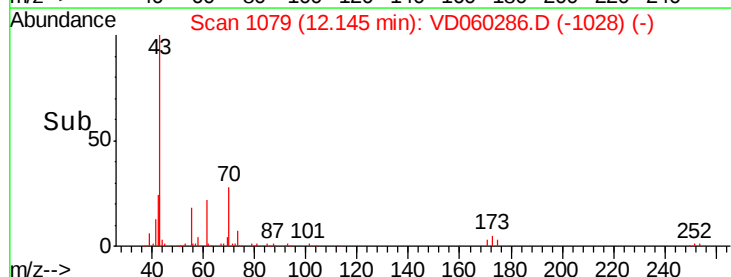
Ion 70.00 (69.70 to 70.70): VDC

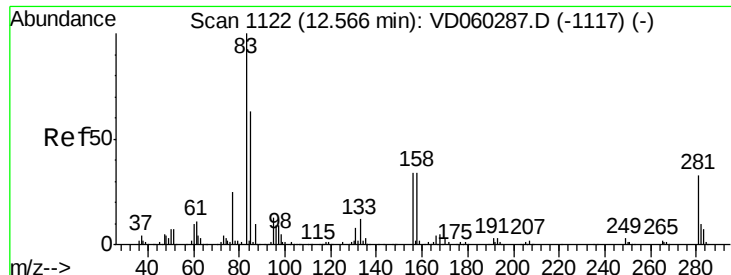
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.779 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 196557
Ion Ratio Lower Upper

83 100

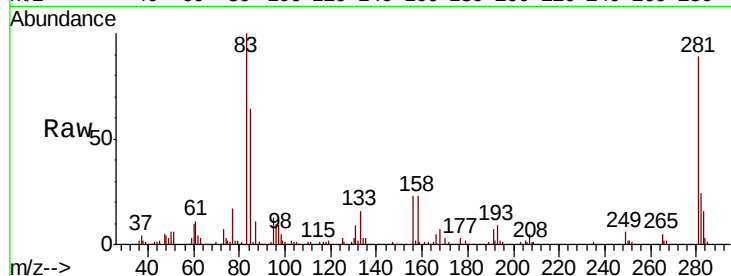
131 9.4 3.9 11.5

85 64.5 32.0 96.0

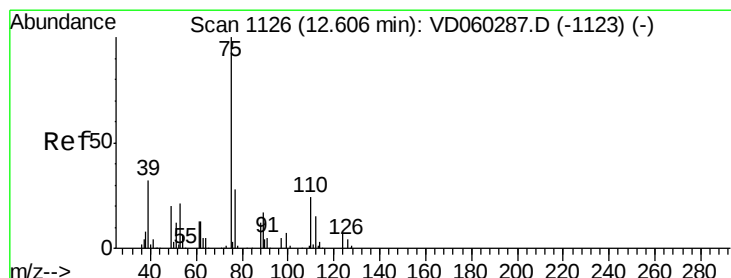
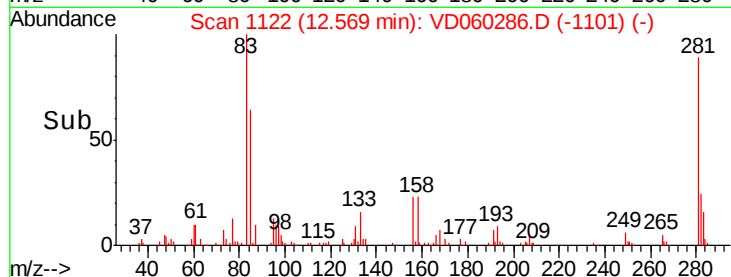
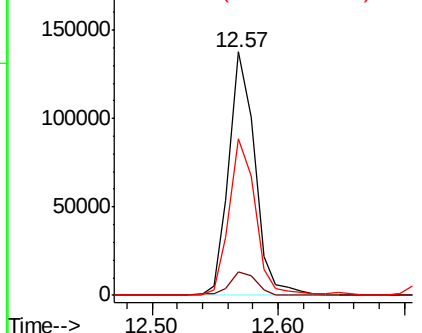
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.600 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

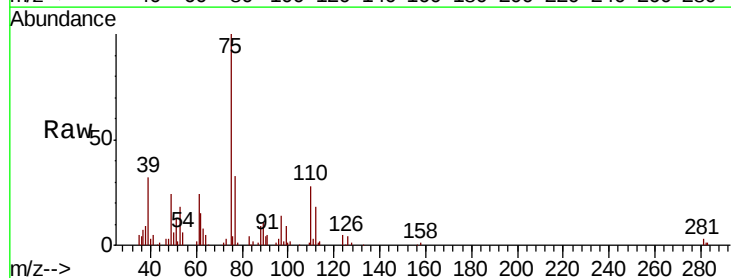
Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

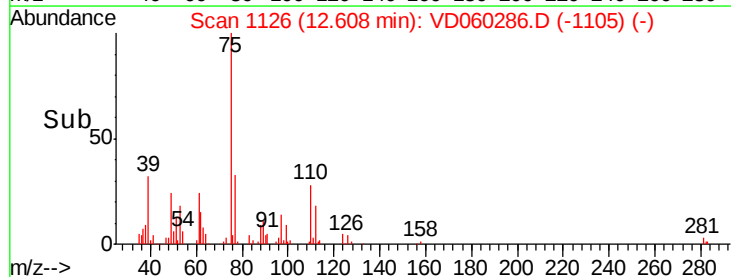
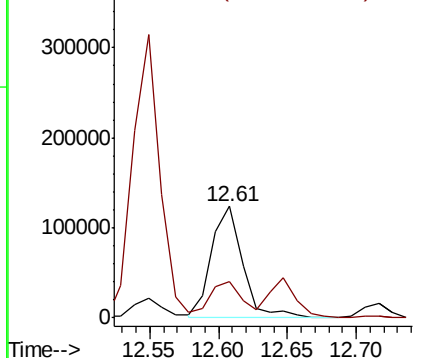
Tgt Ion: 75 Resp: 194379
Ion Ratio Lower Upper

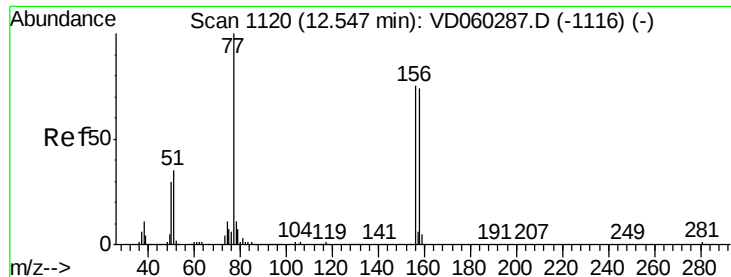
75 100

77 33.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.576 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

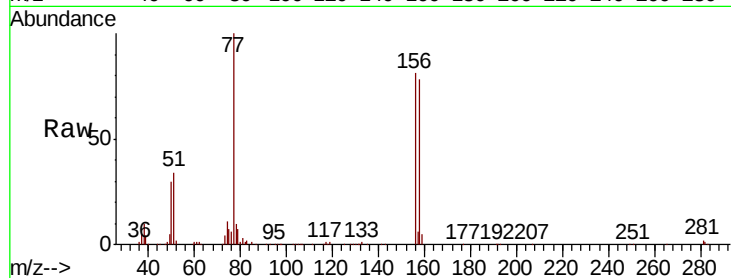
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	124.0	61.2	183.6
158	96.9	49.2	147.6

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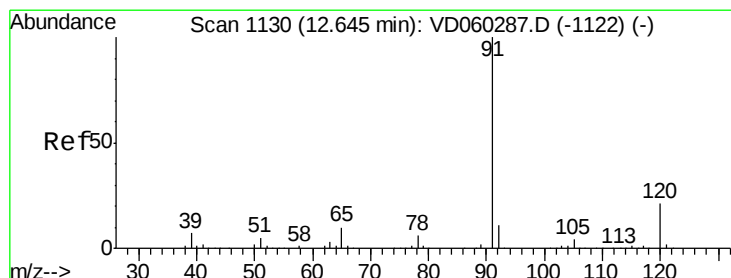
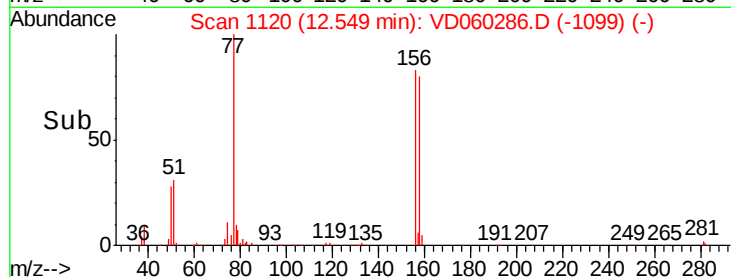
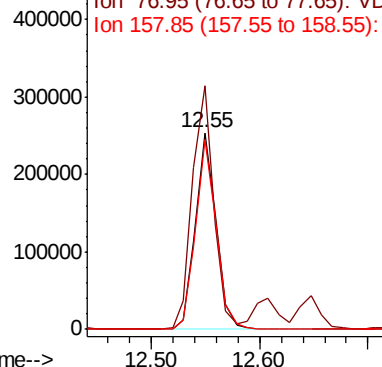


Abundance

Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.212 ug/l

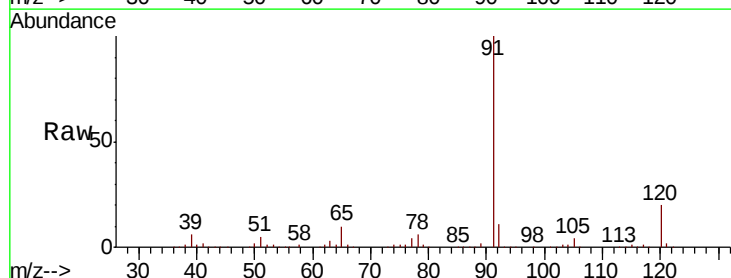
RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

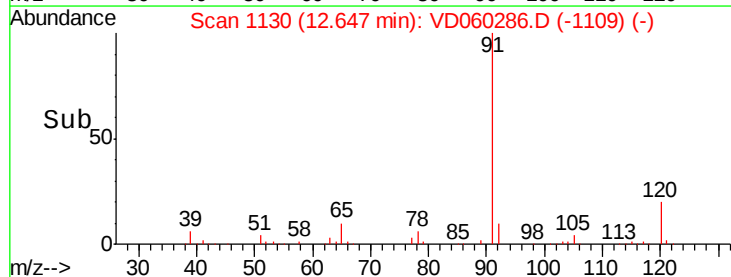
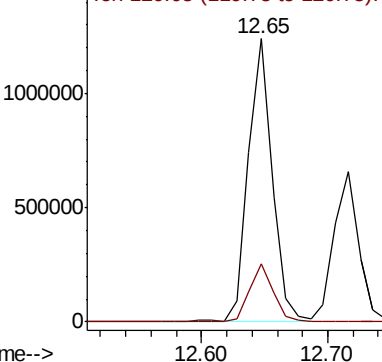
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.4	31.4

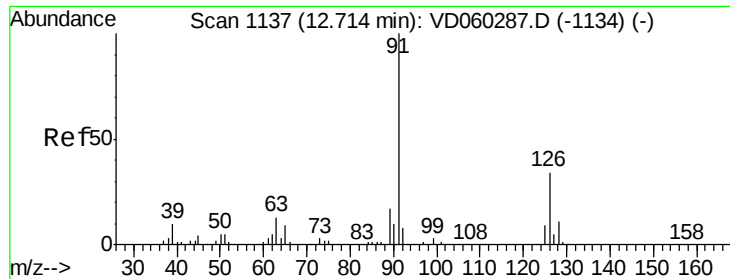


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





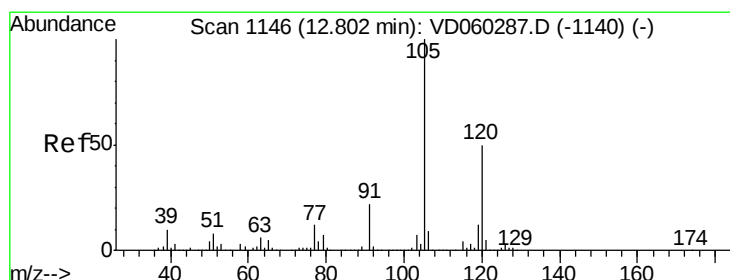
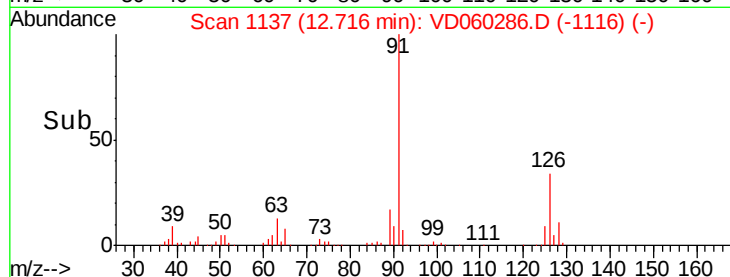
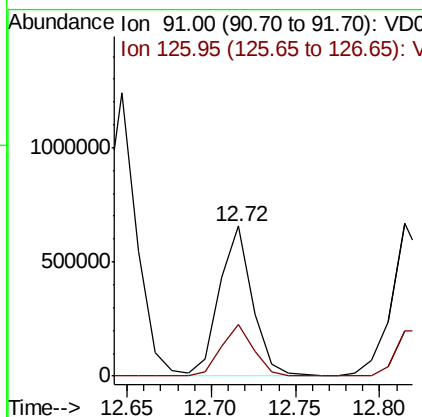
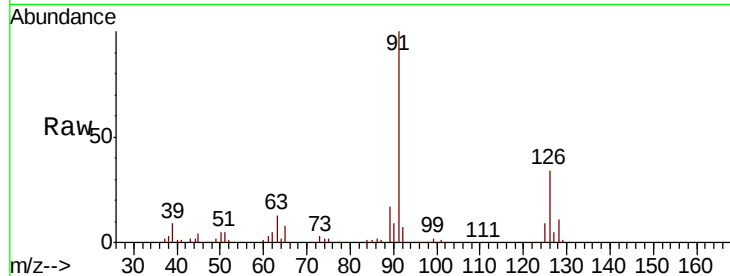
#79
 2-Chlorotoluene
 Concen: 21.808 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 886808
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.4 52.2

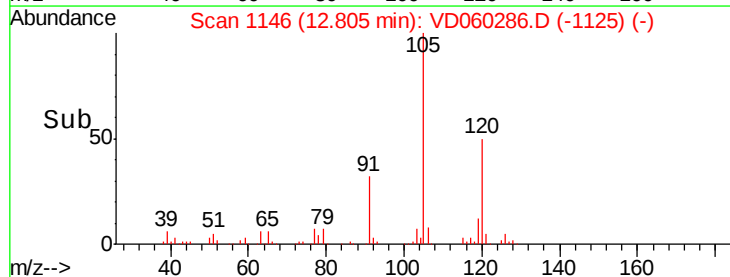
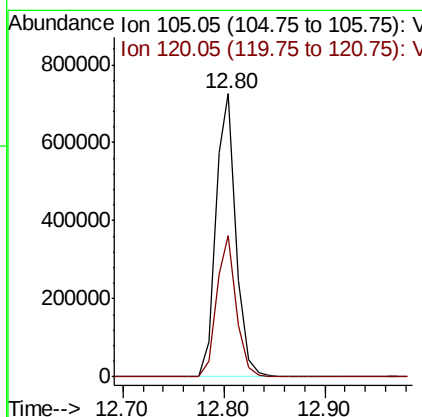
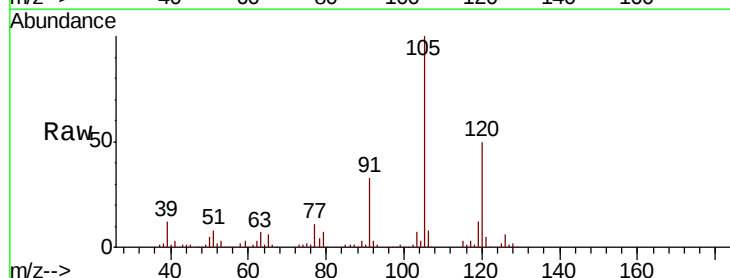
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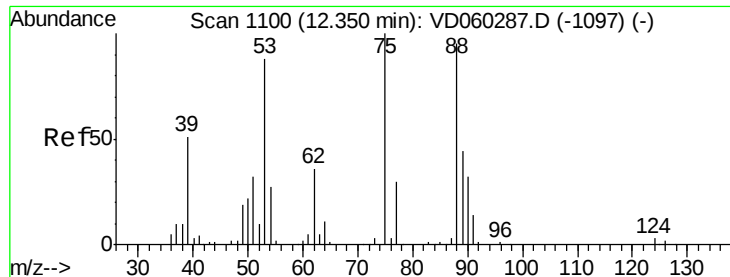
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.096 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion:105 Resp: 1006476
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.490 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 54732

Ion Ratio Lower Upper

75 100

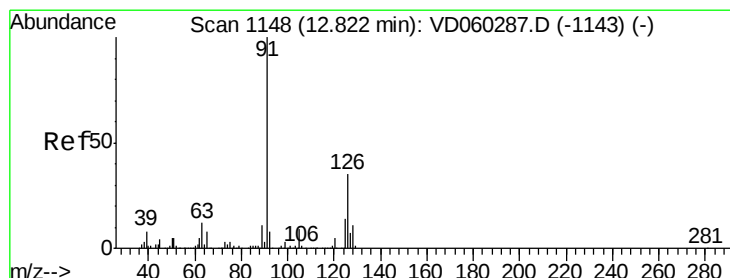
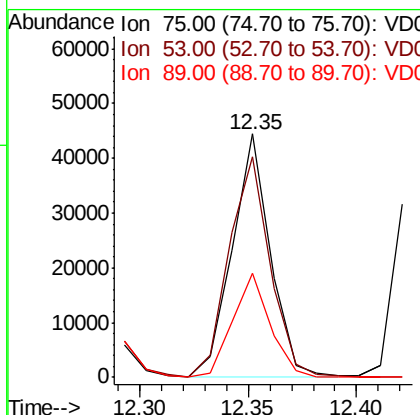
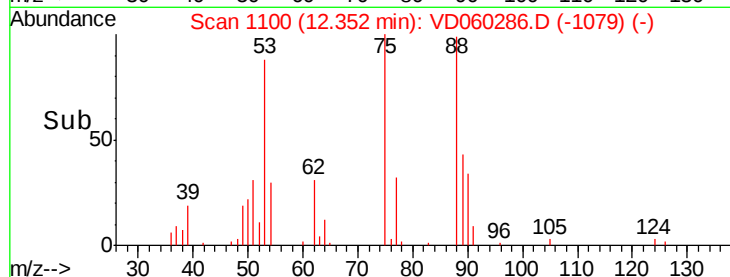
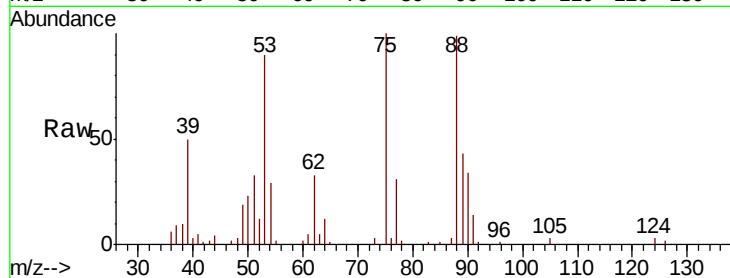
53 90.4 68.6 103.0

89 42.8 34.1 51.1

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#82

4-Chlorotoluene

Concen: 21.738 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060286.D

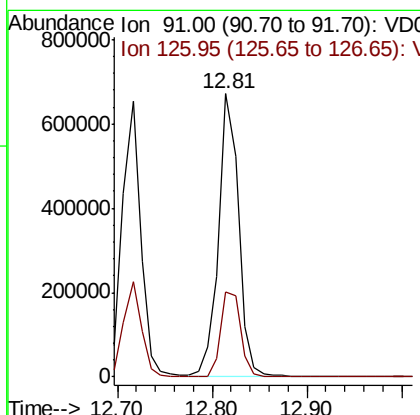
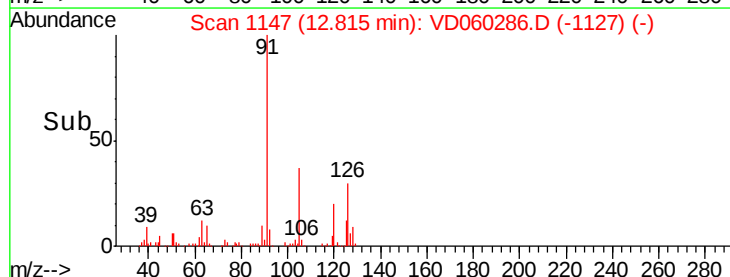
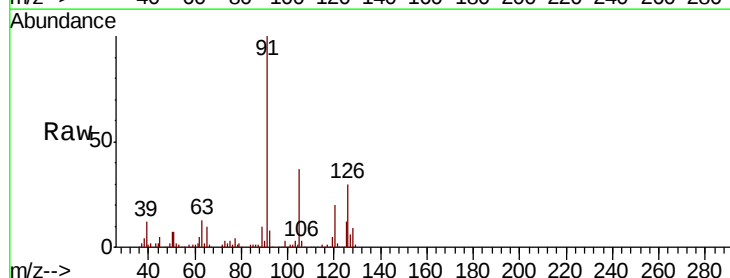
Acq: 6 Nov 2018 12:03

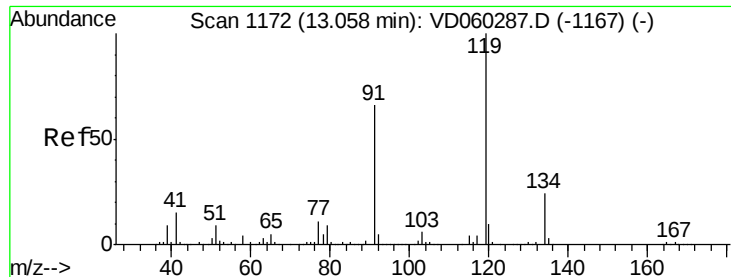
Tgt Ion: 91 Resp: 986265

Ion Ratio Lower Upper

91 100

126 29.9 14.8 44.4





#83

tert-Butylbenzene

Concen: 22.000 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:119 Resp: 1113961

Ion Ratio Lower Upper

119 100

91 72.5 32.7 98.1

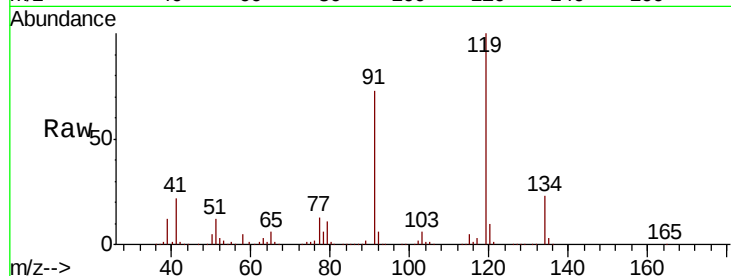
134 23.1 12.1 36.3

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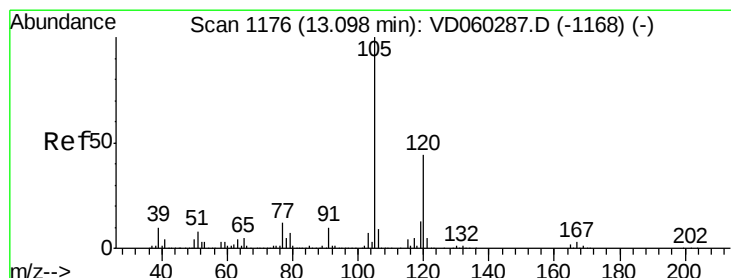
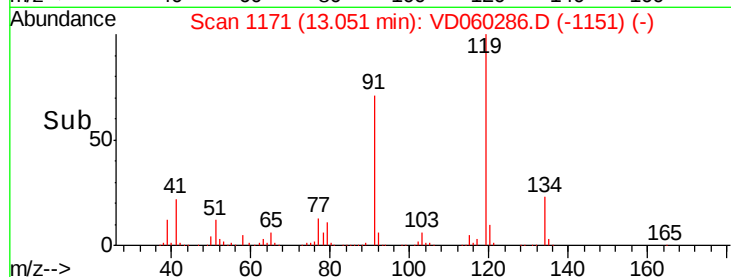
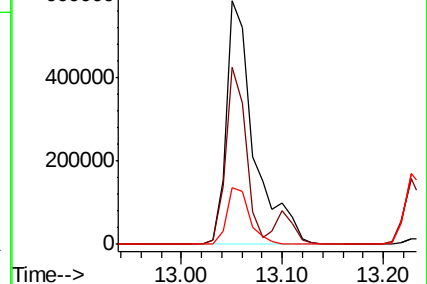
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.055 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060286.D

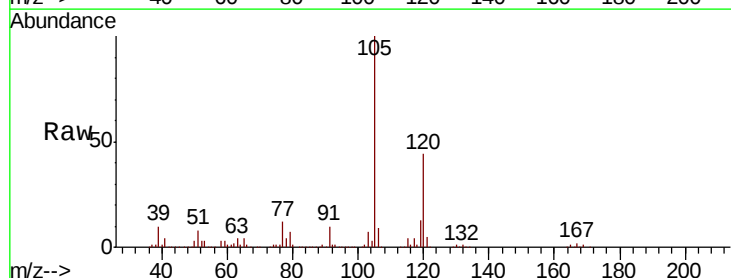
Acq: 6 Nov 2018 12:03

Tgt Ion:105 Resp: 1019457

Ion Ratio Lower Upper

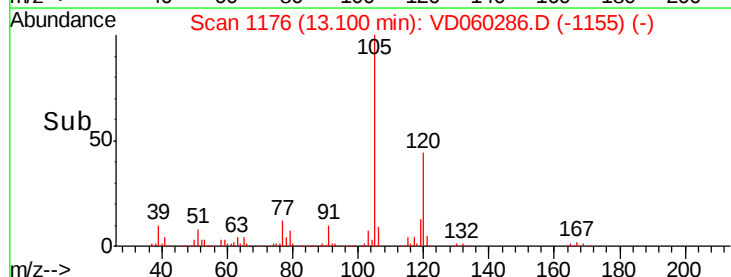
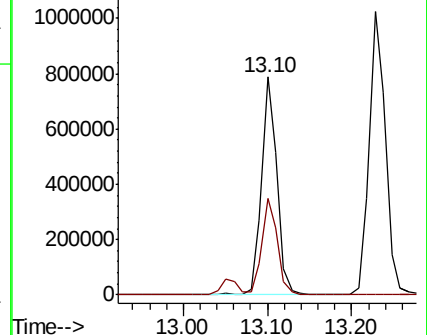
105 100

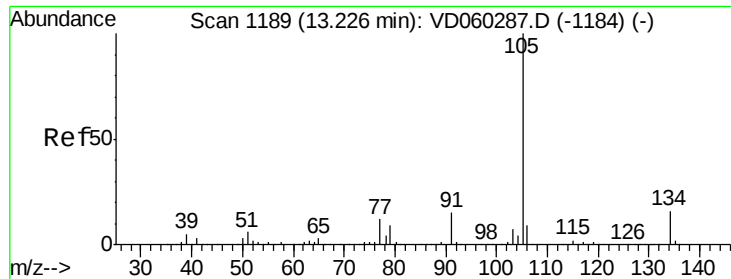
120 44.3 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.124 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion:105 Resp: 1366520

Ion Ratio Lower Upper

105 100

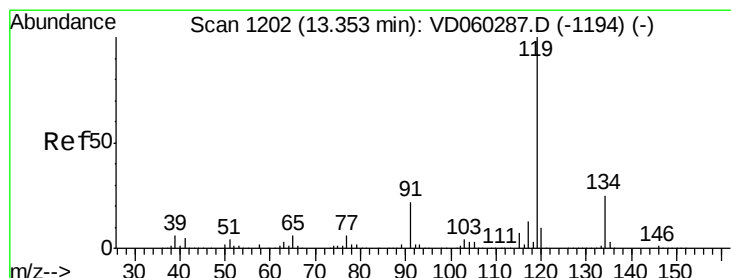
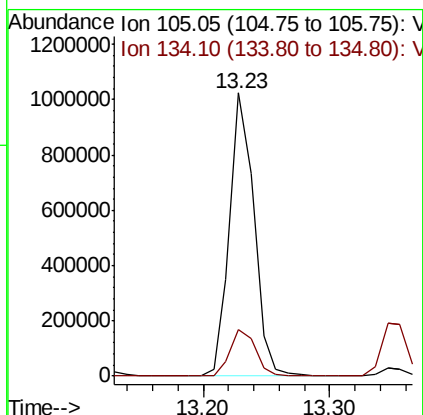
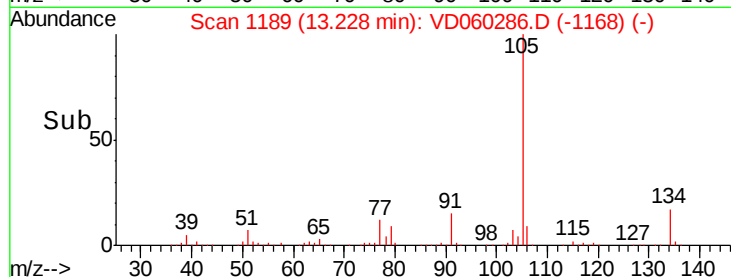
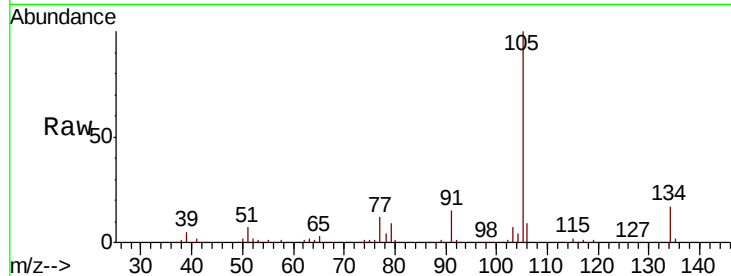
134 16.6 8.0 24.0

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#86

p-Isopropyltoluene

Concen: 22.611 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

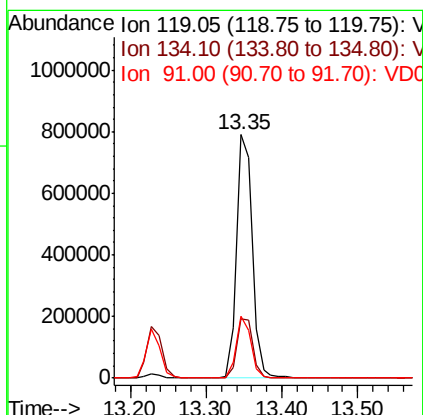
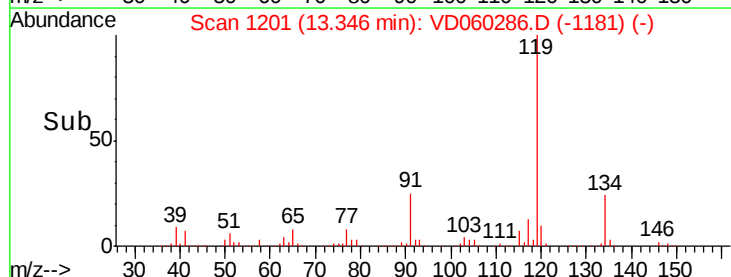
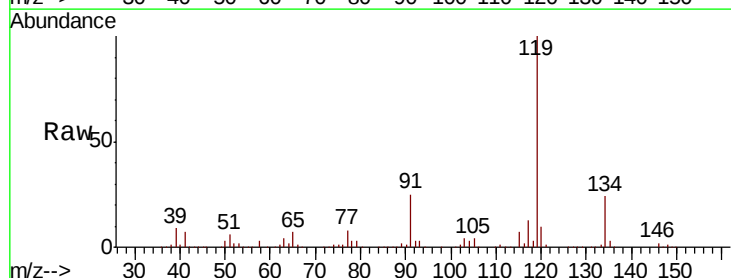
Tgt Ion:119 Resp: 1109953

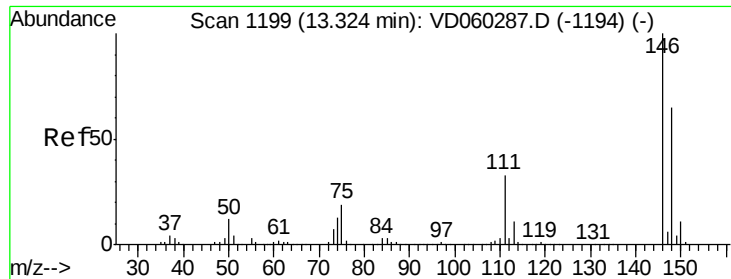
Ion Ratio Lower Upper

119 100

134 24.3 12.9 38.6

91 25.4 11.3 33.8





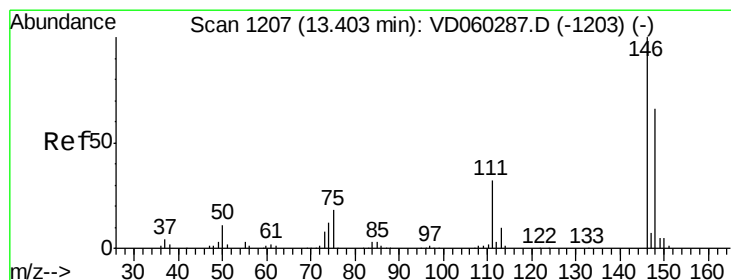
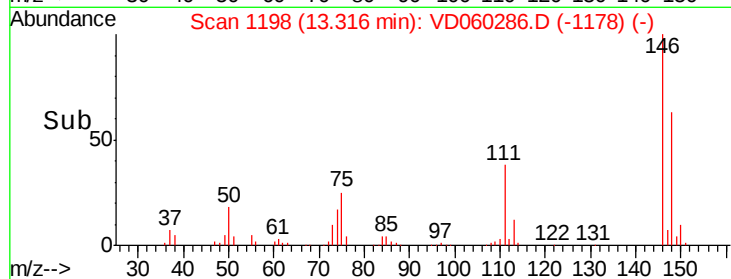
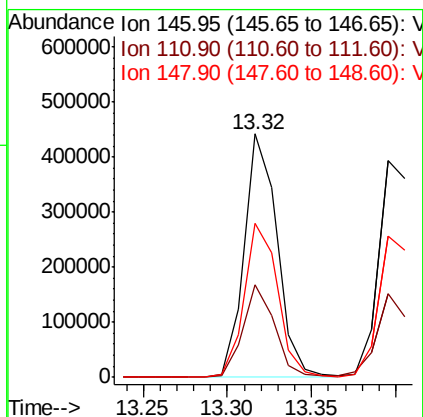
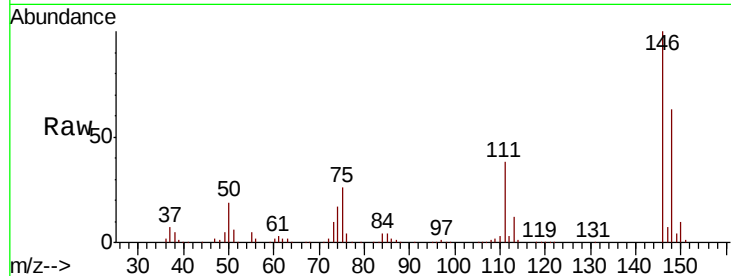
#87
 1,3-Dichlorobenzene
 Concen: 21.465 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.2	60.5
148	63.4	32.0	96.0

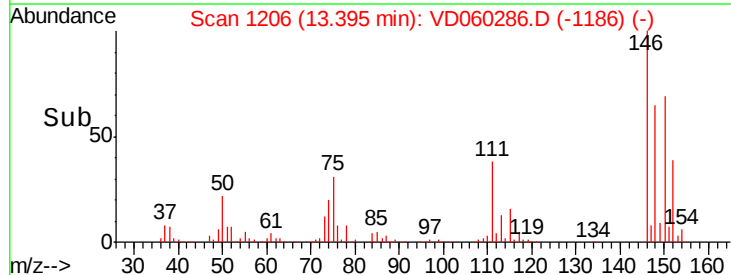
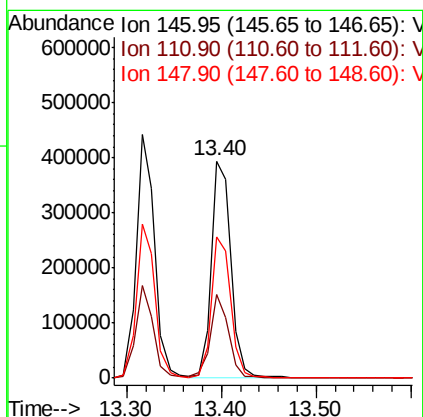
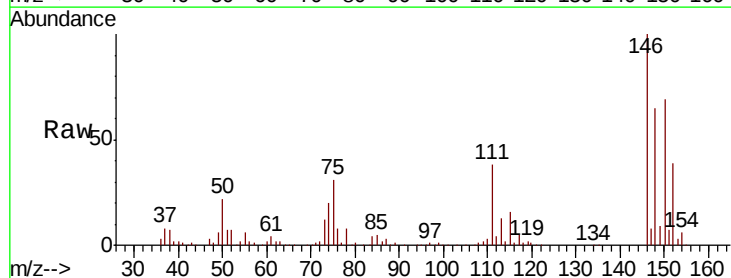
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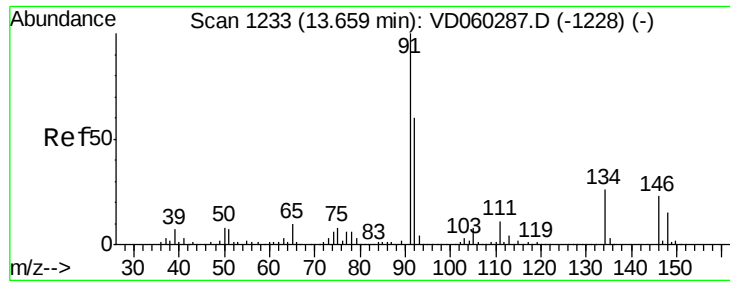
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#88
 1,4-Dichlorobenzene
 Concen: 20.770 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	16.0	47.9
148	65.2	32.9	98.7





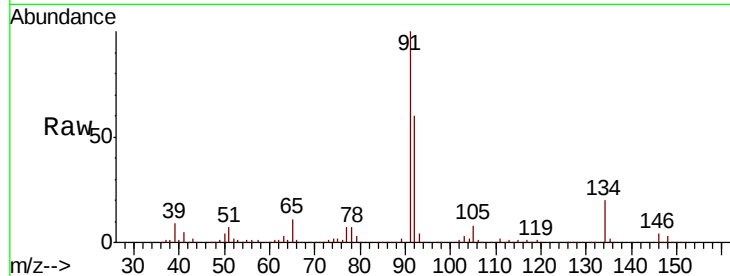
#89
n-Butylbenzene
Concen: 23.580 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

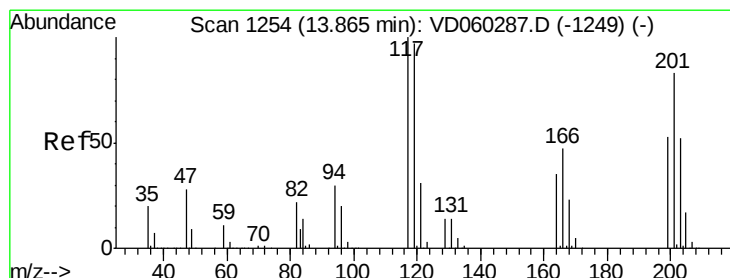
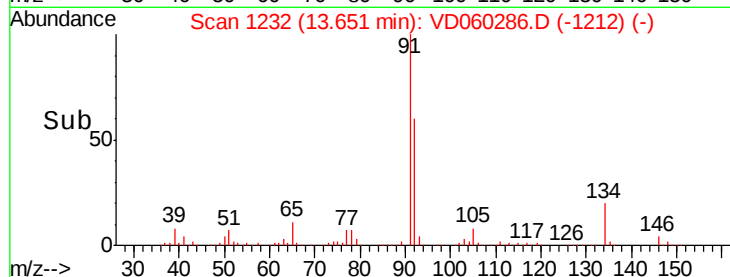
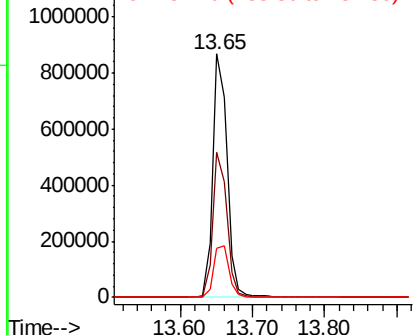
Tot Ion: 91 Resp: 1185395
Ion Ratio Lower Upper
91 100
92 59.7 30.3 90.9
134 20.3 13.0 38.9

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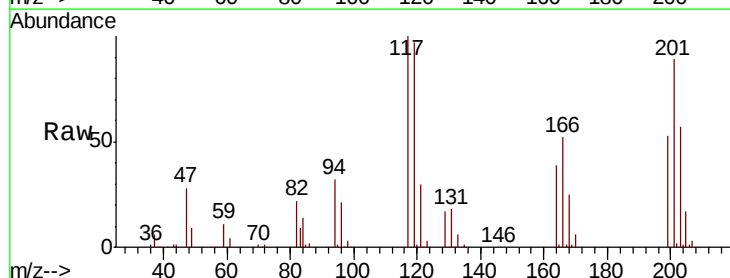


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

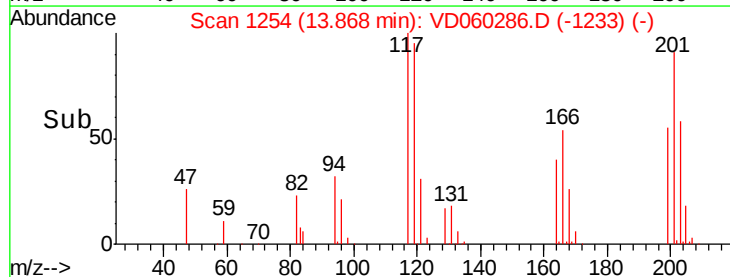
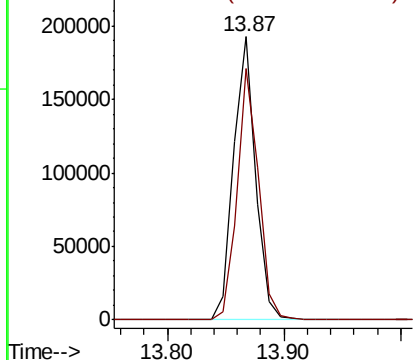


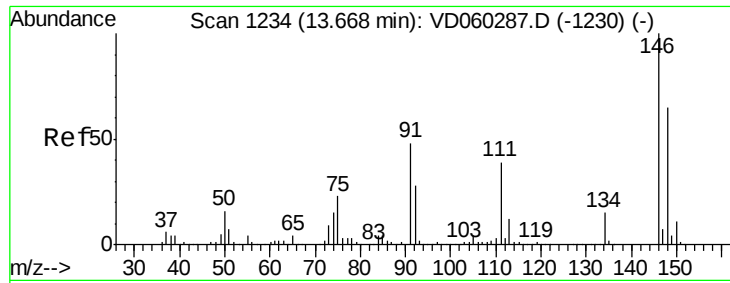
#90
Hexachloroethane
Concen: 21.040 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060286.D
Acq: 6 Nov 2018 12:03

Tgt Ion: 117 Resp: 251485
Ion Ratio Lower Upper
117 100
201 88.9 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





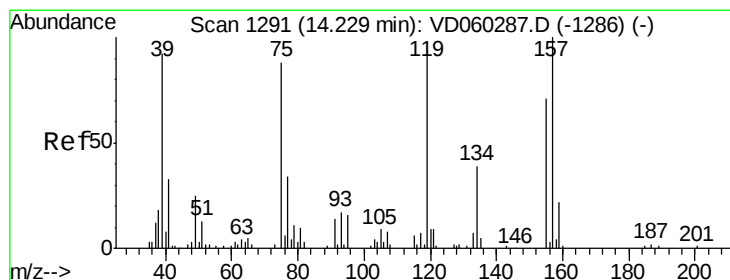
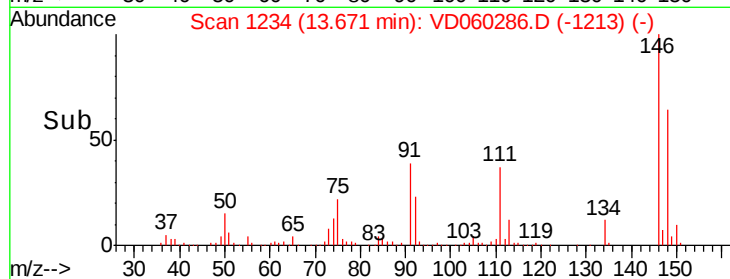
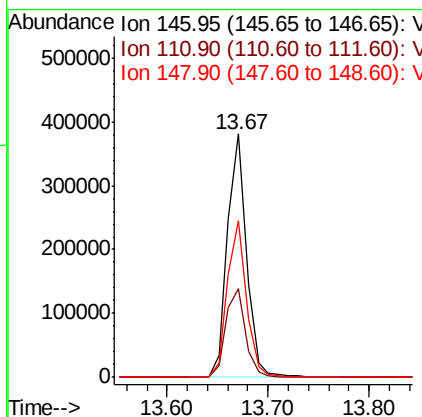
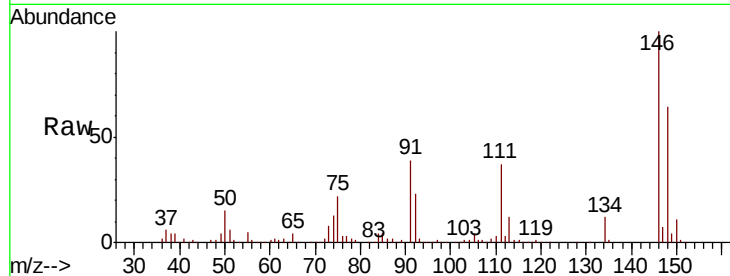
#91
 1,2-Dichlorobenzene
 Concen: 22.141 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.9
148	64.3	31.6	94.8

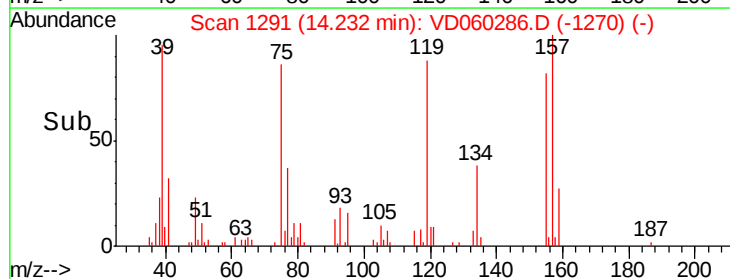
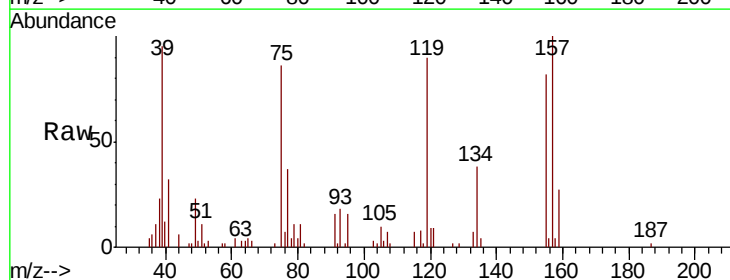
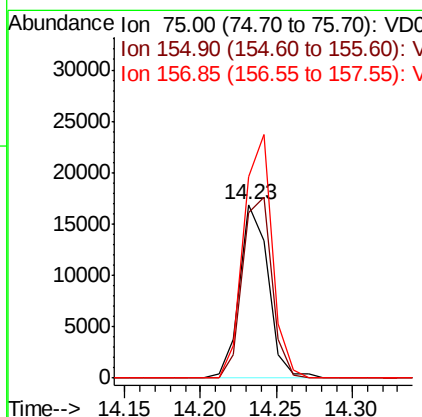
Manual Integrations
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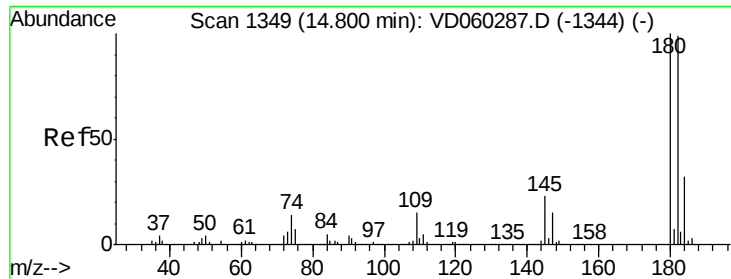
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.085 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	64.3	192.9
157	116.2	81.0	243.1





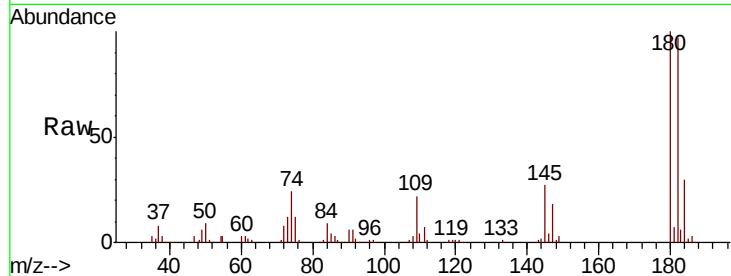
#93
 1,2,4-Trichlorobenzene
 Concen: 21.544 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	48.1	144.4	
145	27.4	11.5	34.4	

Manual Integrations
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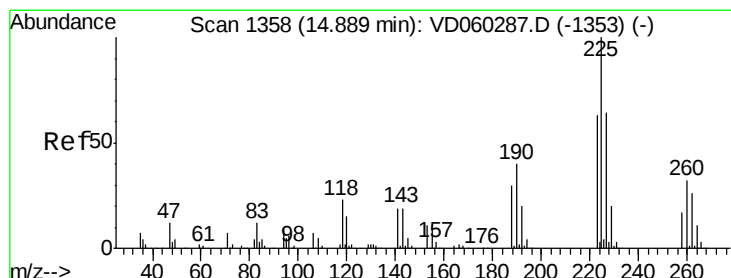
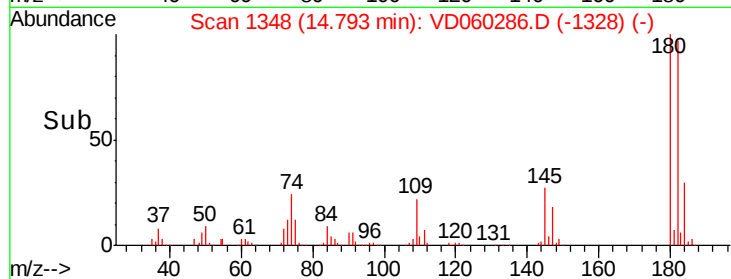
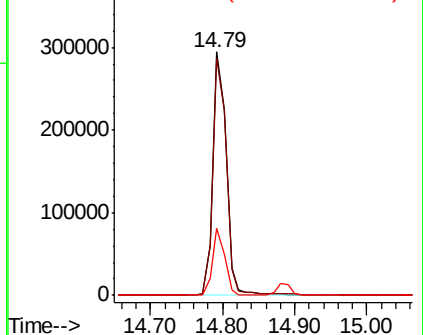


Abundance

Ion 179.85 (179.55 to 180.55): V

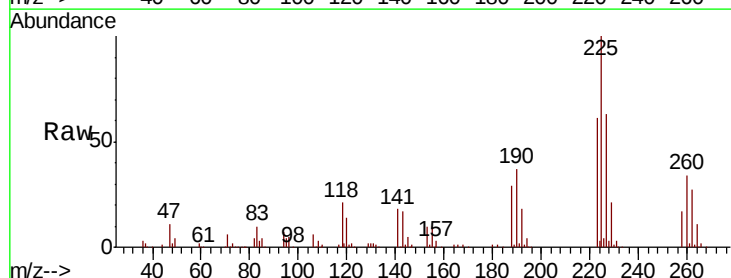
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 22.841 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060286.D
 Acq: 6 Nov 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.6	94.8	
227	63.0	32.3	96.9	

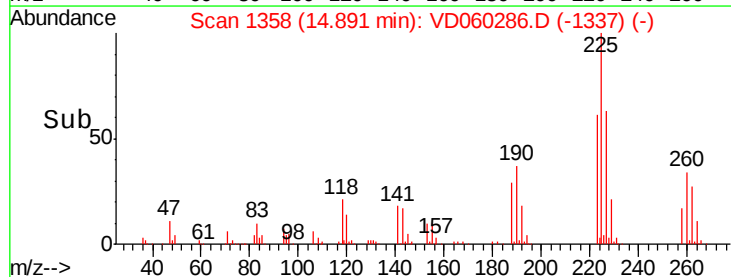
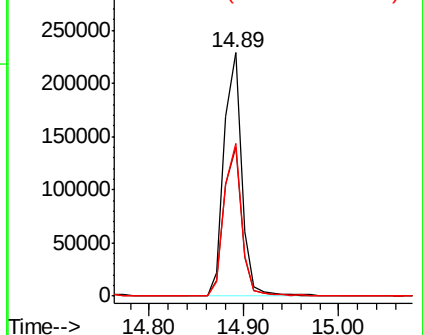


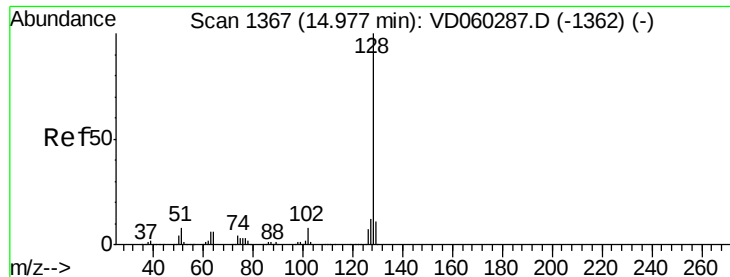
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 20.926 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Instrument :

MSVOA_D

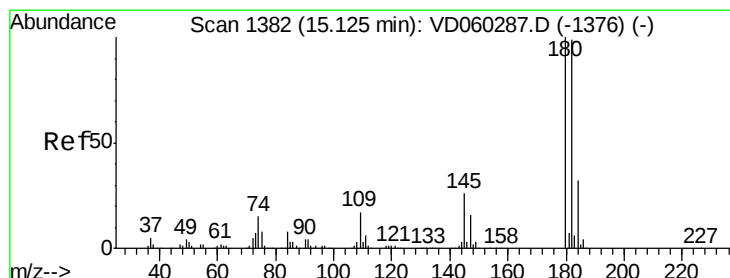
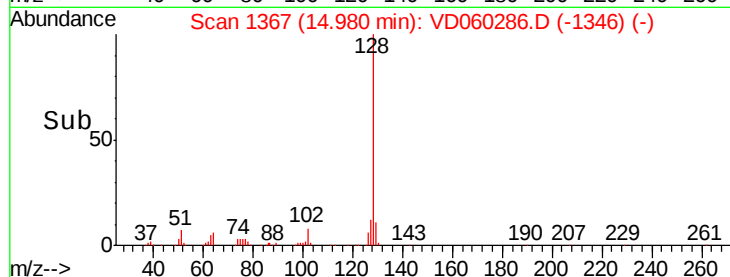
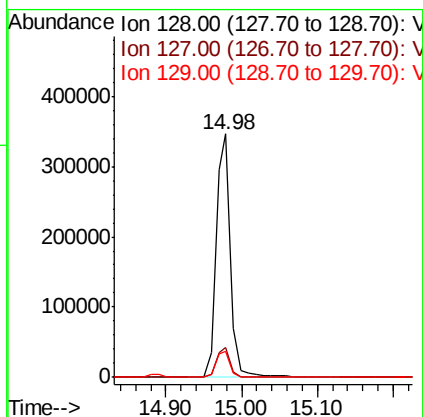
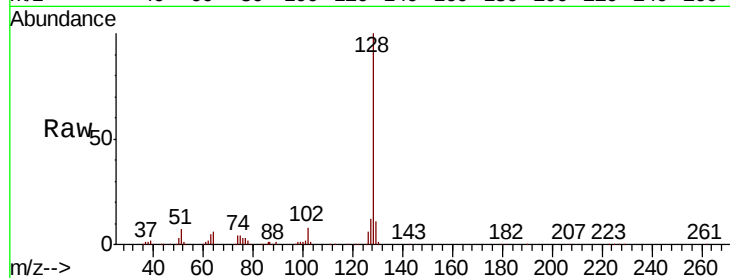
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	460308
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.6	14.4
129	10.7	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 21.382 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060286.D

Acq: 6 Nov 2018 12:03

Tgt Ion:	180	Resp:	305244
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.9	146.7
145	30.5	12.9	38.6

