

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060634.D
 Acq On : 19 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1219SDBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SDBS01

Manual Integrations
 APPROVED

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 12/20/2018 12:00:08 PM

Quant Time: Dec 20 00:58:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1583940	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2132331	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1771453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913623	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	578044	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	6.33	113	822567	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	9.45	98	2254428	49.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.42	95	850980	52.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	409579	23.717	ug/l	97
3) Chloromethane	1.78	50	370590	22.772	ug/l	100
4) Vinyl Chloride	1.87	62	304565	23.449	ug/l	97
5) Bromomethane	2.17	94	51755	15.928	ug/l	90
6) Chloroethane	2.28	64	73687	16.440	ug/l	98
7) Trichlorofluoromethane	2.52	101	337046	22.474	ug/l	99
8) Diethyl Ether	2.85	74	60990	23.545	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.10	101	229377	23.572	ug/l	98
10) Methyl Iodide	3.26	142	247379	21.749	ug/l	99
11) Tert butyl alcohol	4.00	59	43513	95.399	ug/l	99
12) 1,1-Dichloroethene	3.09	96	182191	23.012	ug/l	92
13) Acrolein	3.00	56	41369	83.005	ug/l	98
14) Allyl chloride	3.55	41	363060	24.170	ug/l	98
15) Acrylonitrile	4.11	53	278735	107.625	ug/l	98
16) Acetone	3.18	43	192304	106.861	ug/l	97
17) Carbon Disulfide	3.33	76	556722	21.648	ug/l	100
18) Methyl Acetate	3.57	43	96513	22.566	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	474200	21.598	ug/l	100
20) Methylene Chloride	3.73	84	393596	21.248	ug/l	95
21) trans-1,2-Dichloroethene	4.12	96	361897	21.014	ug/l	96
22) Diisopropyl ether	4.86	45	1165049	21.603	ug/l	99
23) Vinyl Acetate	4.81	43	2876966	107.669	ug/l	99
24) 1,1-Dichloroethane	4.77	63	606181	21.636	ug/l	100
25) 2-Butanone	5.63	43	375026	105.924	ug/l	98
26) 2,2-Dichloropropane	5.59	77	477664	22.069	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	371980	21.244	ug/l	98
28) Bromochloromethane	5.94	49	229713	18.508	ug/l	98
29) Tetrahydrofuran	5.97	42	214810	107.142	ug/l	99
30) Chloroform	6.11	83	616772	21.851	ug/l	98
31) Cyclohexane	6.37	56	571978	21.706	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	498732	21.493	ug/l	99
36) 1,1-Dichloropropene	6.53	75	466144	22.364	ug/l	97
37) Ethyl Acetate	5.71	43	201637	22.307	ug/l	99
38) Carbon Tetrachloride	6.51	117	421041	22.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	537538	22.623	ug/l	97
40) Benzene	6.80	78	1241113	23.299	ug/l	98
41) Methacrylonitrile	5.93	41	71683m	14.711	ug/l	
42) 1,2-Dichloroethane	6.90	62	307473	22.702	ug/l	99
43) Isopropyl Acetate	8.35	43	240483	21.552	ug/l #	98
44) Trichloroethene	7.74	130	361097	22.683	ug/l	98
45) 1,2-Dichloropropane	8.10	63	297108	22.552	ug/l	100
46) Dibromomethane	8.22	93	166713	21.902	ug/l	97
47) Bromodichloromethane	8.49	83	411802	22.801	ug/l	97
48) Methyl methacrylate	8.25	41	144809	21.933	ug/l	95
49) 1,4-Dioxane	8.23	88	26928	450.005	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	772123	111.240	ug/l	100
52) Toluene	9.55	92	739704	22.217	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	342347	23.068	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	445052	22.825	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	203479	21.946	ug/l	96
56) Ethyl methacrylate	10.03	69	192107	22.894	ug/l	99
57) 1,3-Dichloropropane	10.38	76	328267	22.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	580865	115.691	ug/l	99
59) 2-Hexanone	10.48	43	538567	111.008	ug/l	99
60) Dibromochloromethane	10.64	129	267376	23.065	ug/l	98
61) 1,2-Dibromoethane	10.76	107	211981	22.434	ug/l	97
64) Tetrachloroethene	10.25	164	329175	20.985	ug/l	98
65) Chlorobenzene	11.31	112	827214	22.073	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	270769	22.416	ug/l	99
67) Ethyl Benzene	11.43	91	1424503	22.285	ug/l	100
68) m/p-Xylenes	11.57	106	1067175	45.126	ug/l	98
69) o-Xylene	11.93	106	492538	21.854	ug/l	89
70) Styrene	11.95	104	789864	21.834	ug/l	94
71) Bromoform	12.12	173	171419	21.271	ug/l	99
73) Isopropylbenzene	12.27	105	1361597	21.061	ug/l	98
74) N-amyl acetate	12.13	43	321769	20.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	225296	21.767	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	219144	21.169	ug/l	99
77) Bromobenzene	12.54	156	359935	21.180	ug/l	94
78) n-propylbenzene	12.64	91	1799839	22.023	ug/l	99
79) 2-Chlorotoluene	12.71	91	960894	21.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	1099929	22.265	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	59427	20.583	ug/l	98
82) 4-Chlorotoluene	12.81	91	1101368	22.112	ug/l	92
83) tert-Butylbenzene	13.04	119	1241259	22.409	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1092582	21.359	ug/l	98
85) sec-Butylbenzene	13.22	105	1504711	21.796	ug/l	96
86) p-Isopropyltoluene	13.34	119	1247277	22.791	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	674735	21.929	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654965	21.698	ug/l	97
89) n-Butylbenzene	13.64	91	1318930	21.793	ug/l	97
90) Hexachloroethane	13.86	117	293021	21.355	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	561574	22.333	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26247	20.929	ug/l	88

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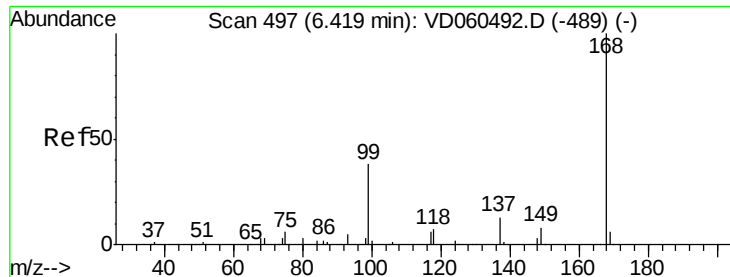
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	424503	21.596	ug/l	98
94) Hexachlorobutadiene	14.88	225	308512	21.272	ug/l	99
95) Naphthalene	14.97	128	483970	20.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	335994	21.452	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060634.D

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Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion:168 Resp: 1583940

Ion Ratio Lower Upper

168 100

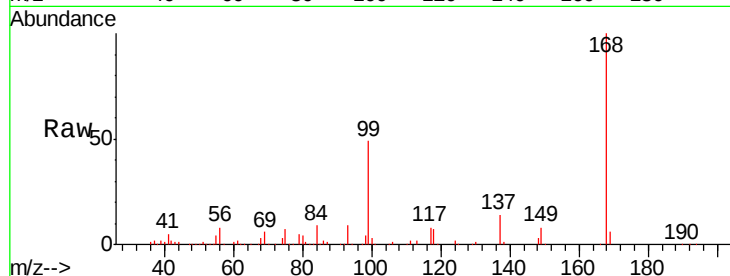
99 49.0 35.6 53.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

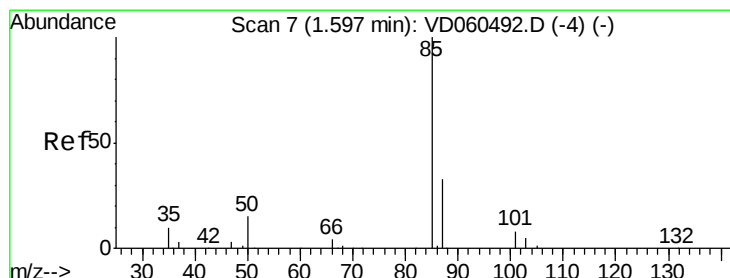
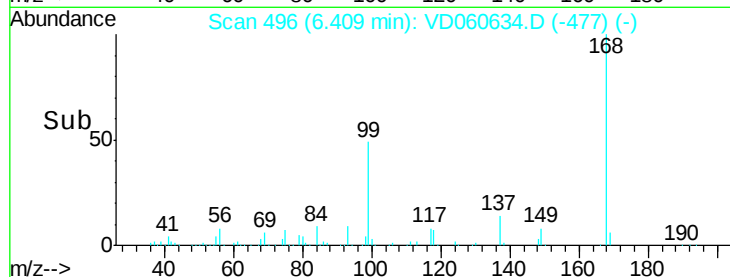
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 23.717 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060634.D

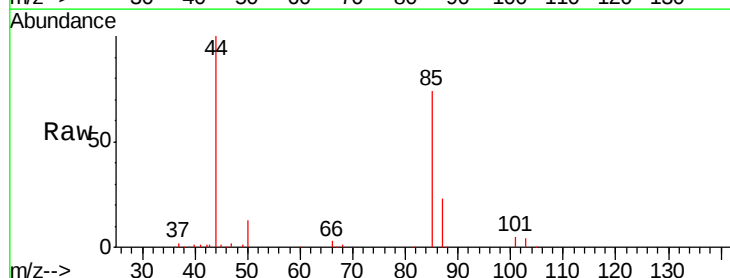
Acq: 19 Dec 2018 12:18

Tgt Ion: 85 Resp: 409579

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

150000

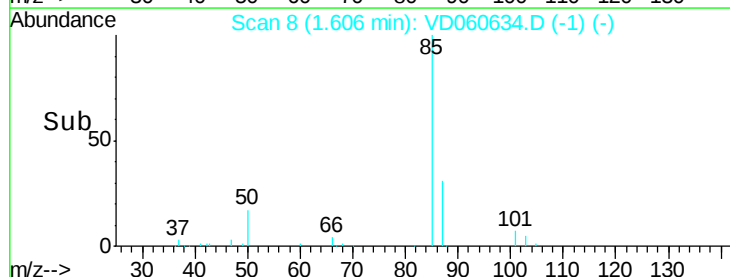
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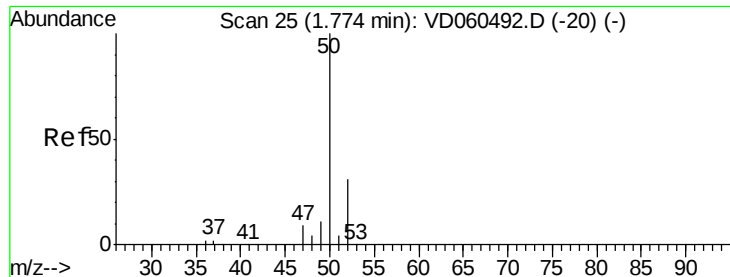
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.772 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 50 Resp: 370590

Ion Ratio Lower Upper

50 100

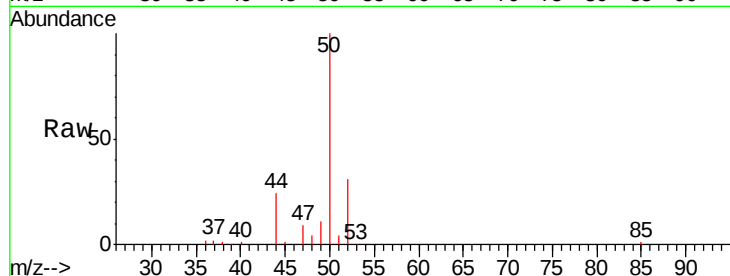
52 31.5 25.0 37.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

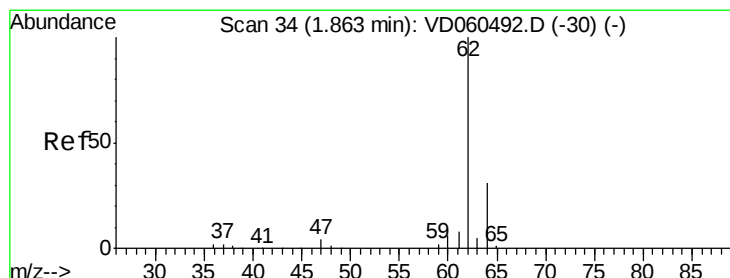
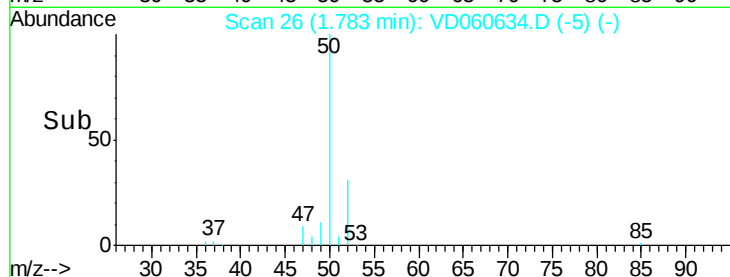
100000

50000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 23.449 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060634.D

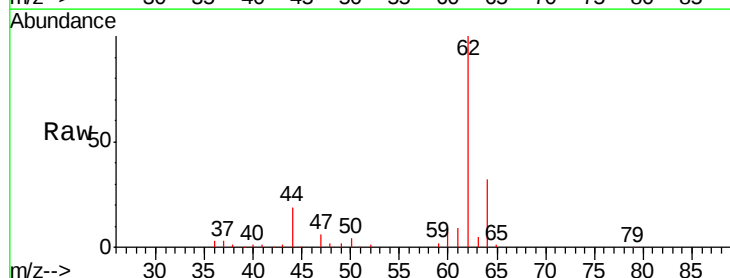
Acq: 19 Dec 2018 12:18

Tgt Ion: 62 Resp: 304565

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

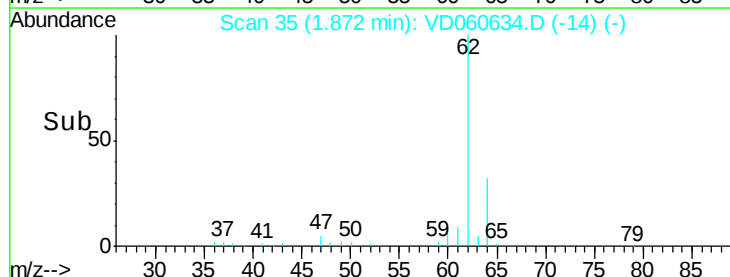
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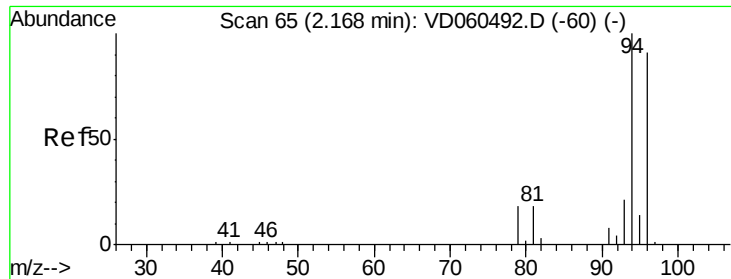
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 15.928 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

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ClientSampleId :

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Tgt Ion: 94 Resp: 51755

Ion Ratio Lower Upper

94 100

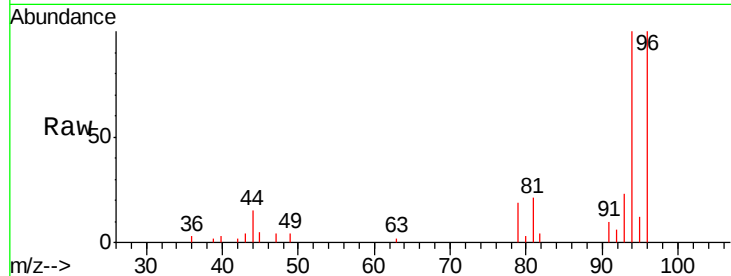
96 99.9 72.6 108.8

Manual Integrations

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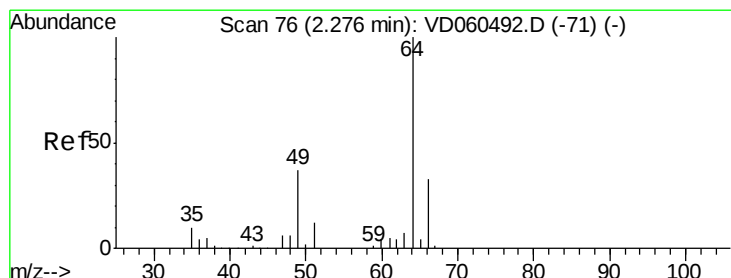
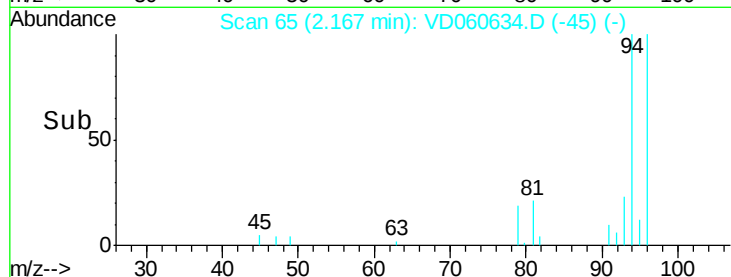
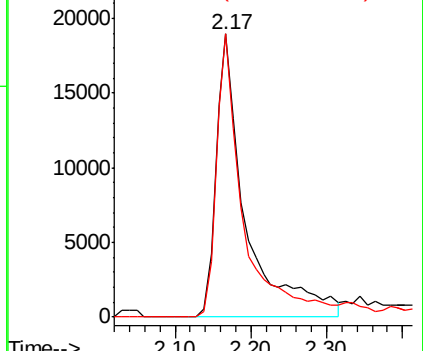
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.440 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060634.D

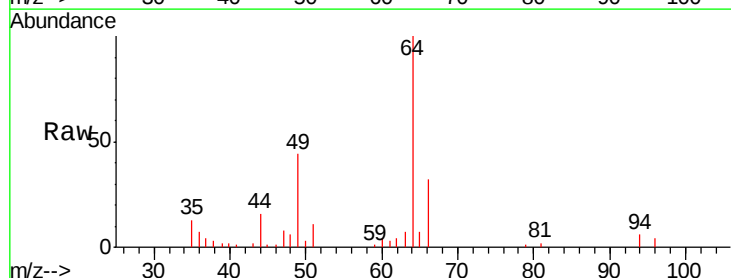
Acq: 19 Dec 2018 12:18

Tgt Ion: 64 Resp: 73687

Ion Ratio Lower Upper

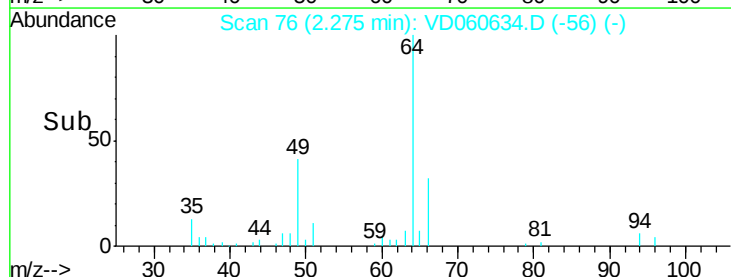
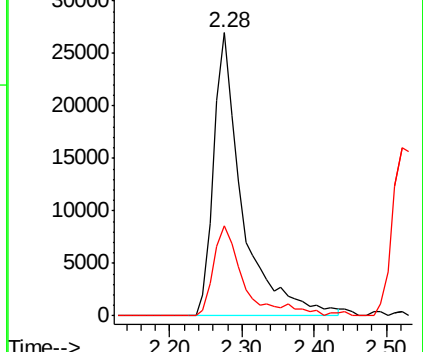
64 100

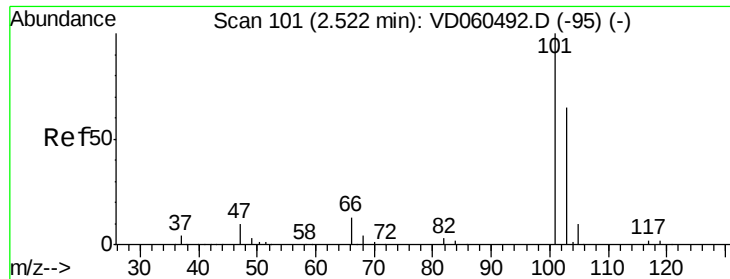
66 31.8 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

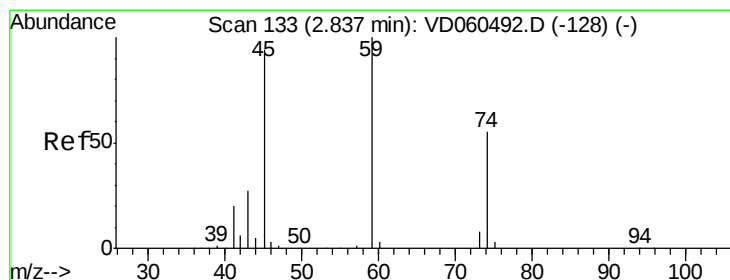
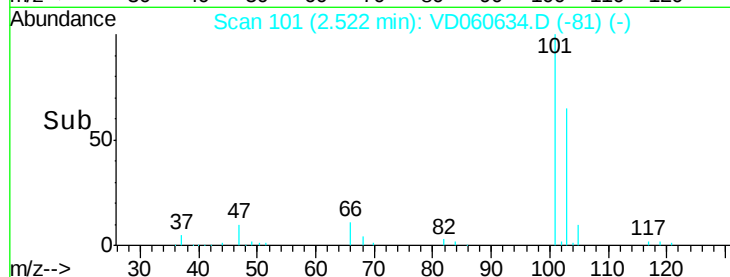
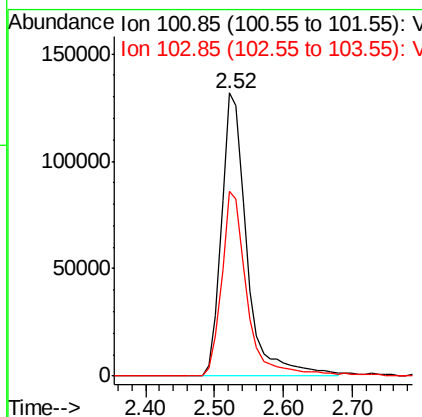
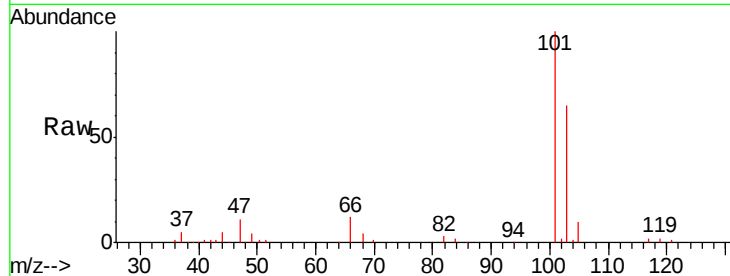
Trichlorofluoromethane
 Concen: 22.474 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

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 VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.8

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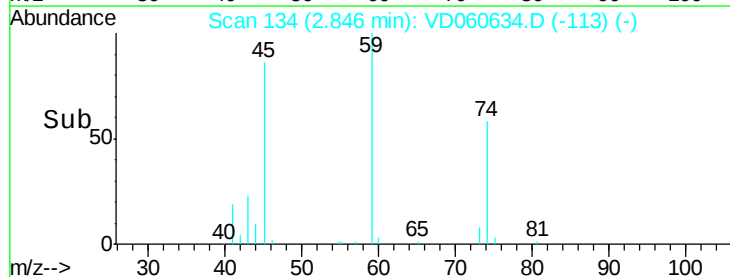
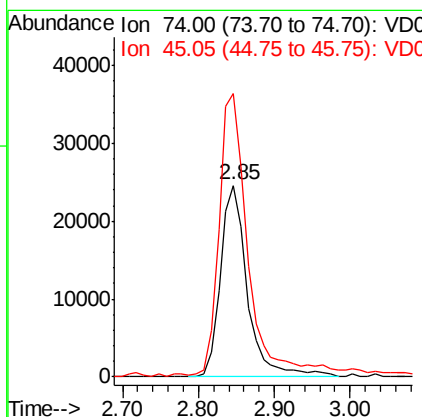
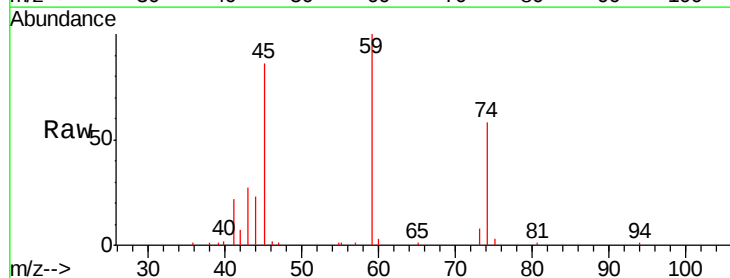
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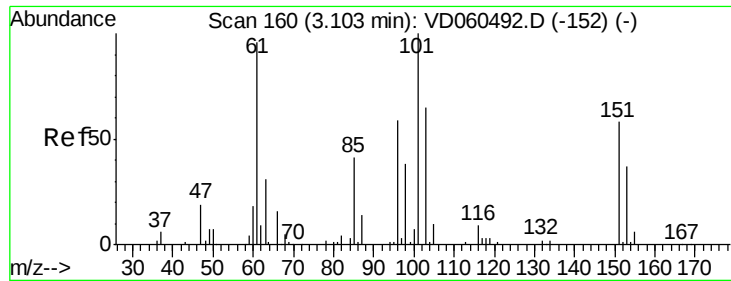


#8

Diethyl Ether
 Concen: 23.545 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	148.0	86.0	258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.572 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

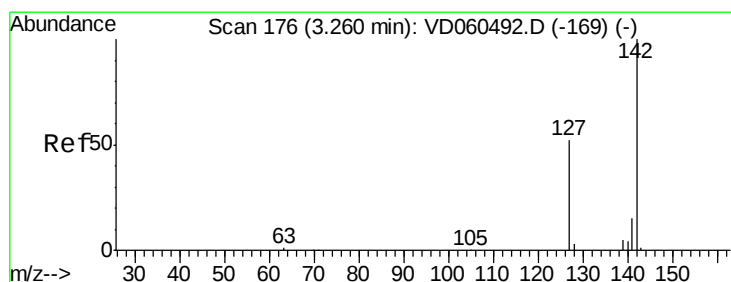
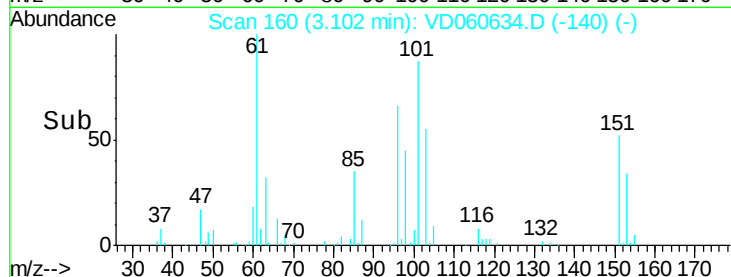
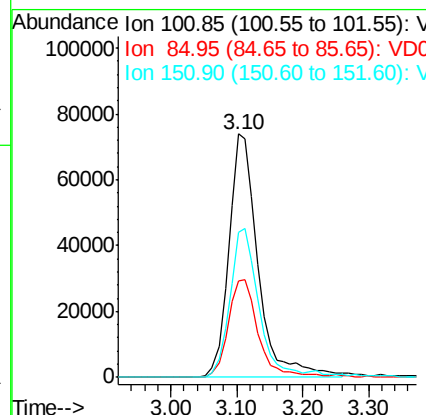
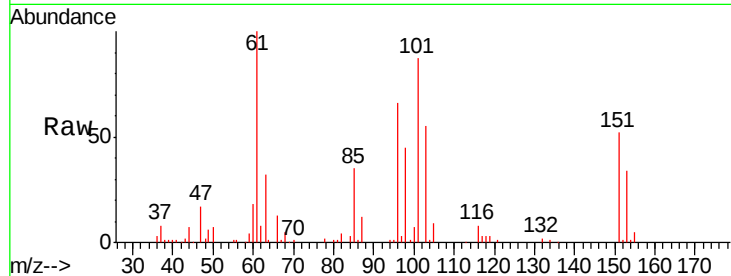
ClientSampleId :

VD1219SBS01

Tgt Ion:	101	Resp:	229377
Ion Ratio	Lower	Upper	
101	100		
85	39.5	32.7	49.1
151	59.4	46.6	69.8

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#10

Methyl Iodide

Concen: 21.749 ug/l

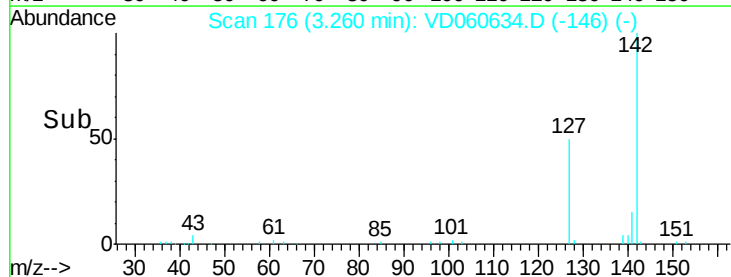
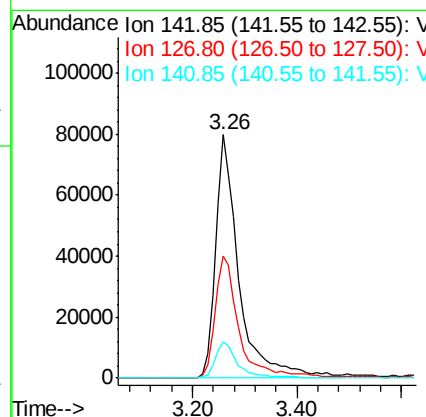
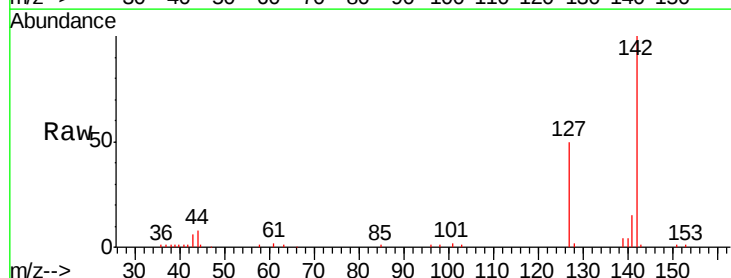
RT: 3.26 min Scan# 176

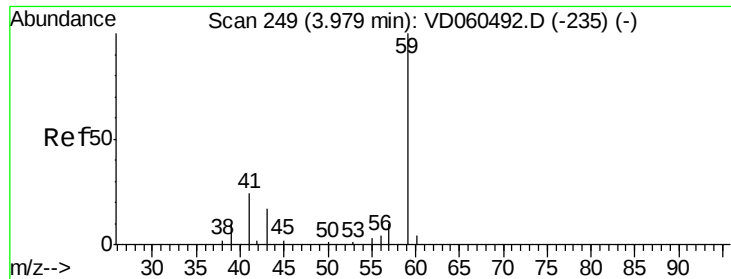
Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion:	142	Resp:	247379
Ion Ratio	Lower	Upper	
142	100		
127	50.3	41.2	61.8
141	14.7	11.9	17.9





#11

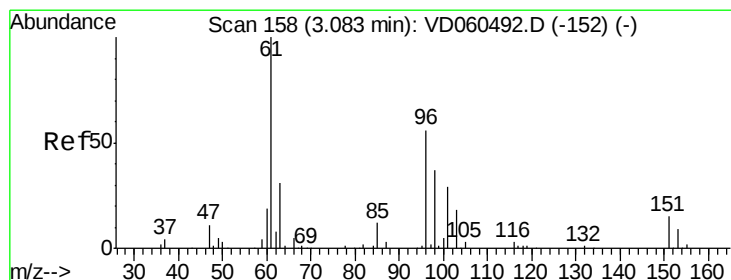
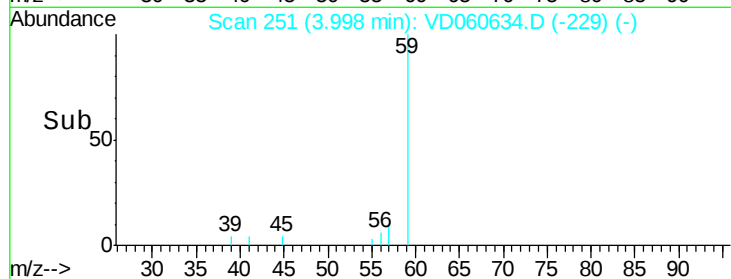
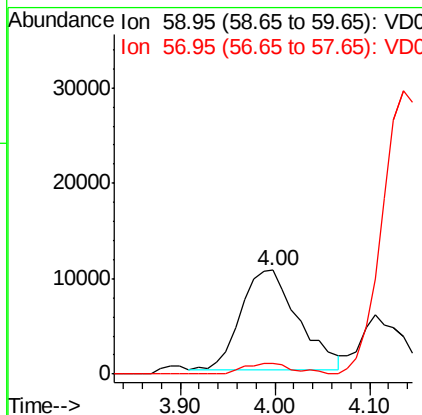
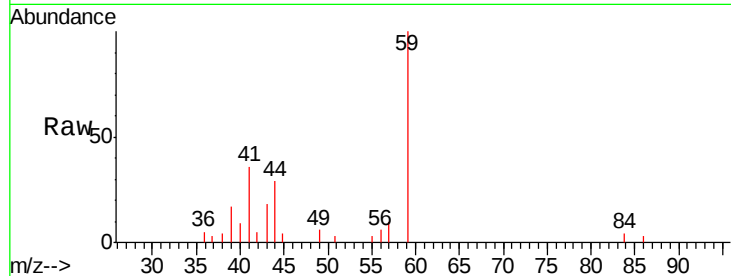
Tert butyl alcohol
 Concen: 95.399 ug/l
 RT: 4.00 min Scan# 251
 Delta R.T. 0.02 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion: 59 Resp: 43513
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

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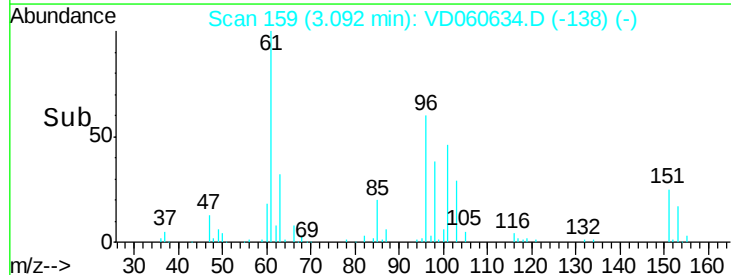
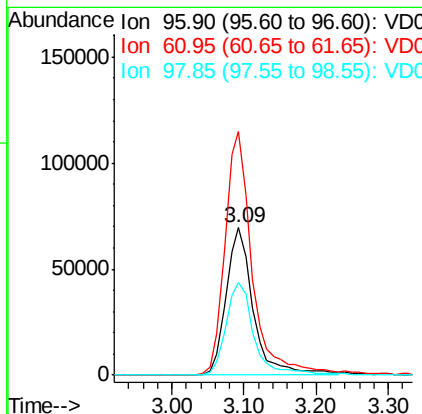
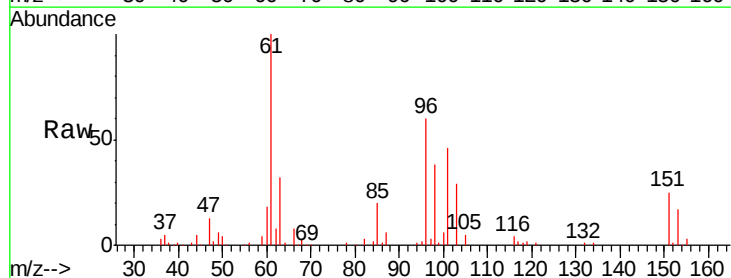
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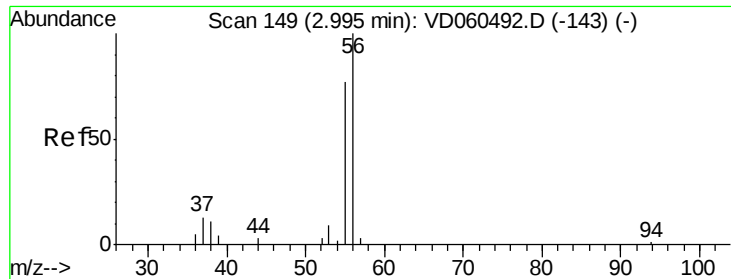


#12

1,1-Dichloroethene
 Concen: 23.012 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 96 Resp: 182191
 Ion Ratio Lower Upper
 96 100
 61 165.4 143.0 214.4
 98 62.6 53.4 80.0





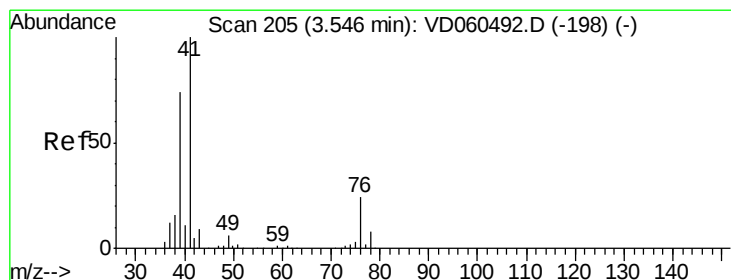
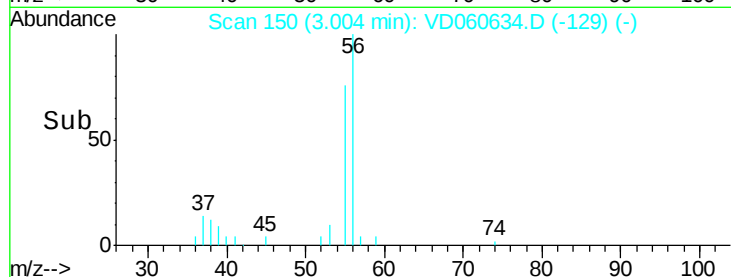
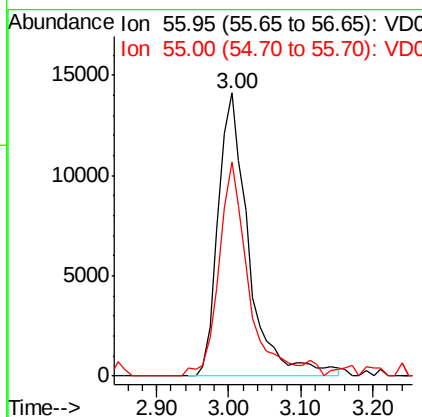
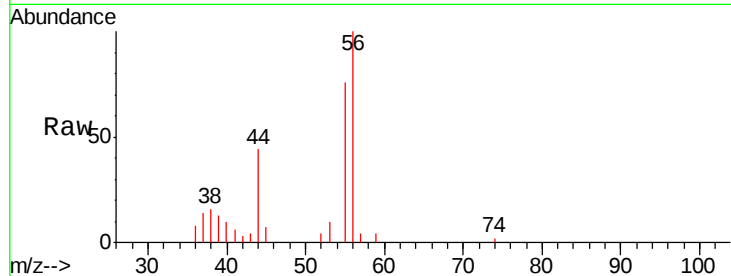
#13
Acrolein
Concen: 83.005 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 56 Resp: 41369
Ion Ratio Lower Upper
56 100
55 75.6 62.0 93.0

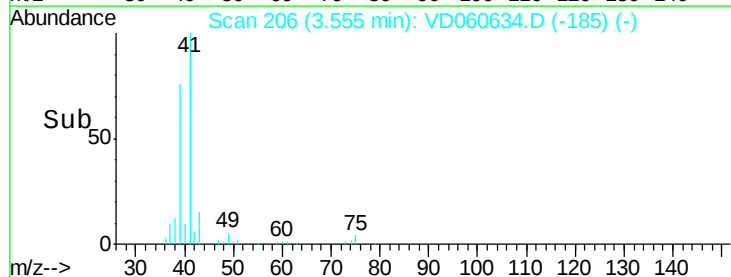
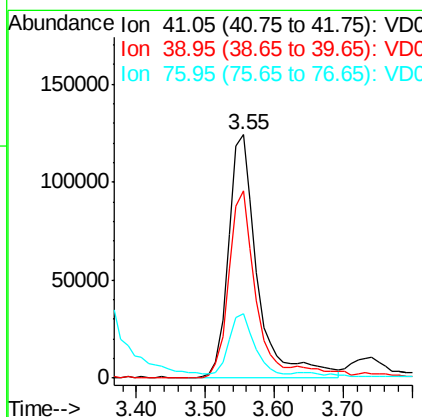
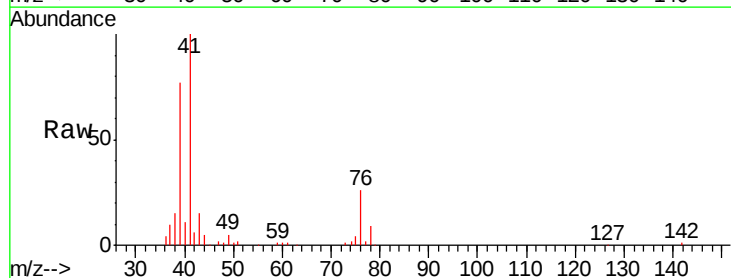
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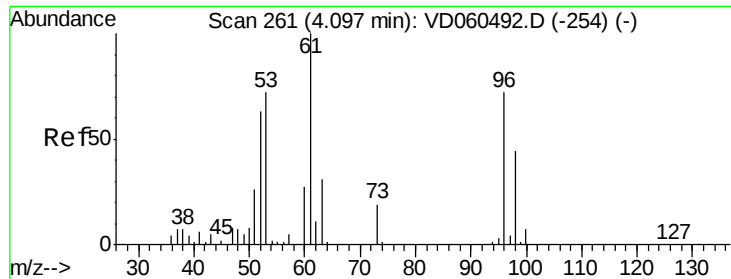
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#14
Allyl chloride
Concen: 24.170 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 41 Resp: 363060
Ion Ratio Lower Upper
41 100
39 76.7 59.3 88.9
76 26.4 21.0 31.6





#15

Acrylonitrile

Concen: 107.625 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 53 Resp: 278735
Ion Ratio Lower Upper

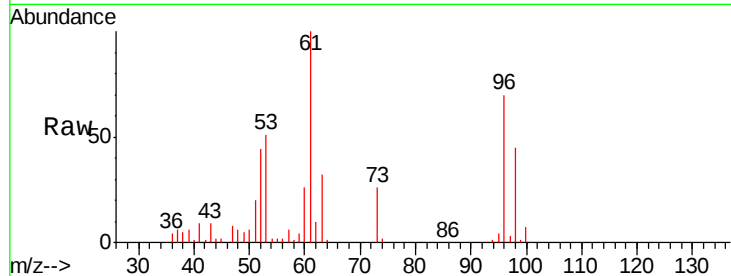
53 100

52 87.9 70.0 105.0

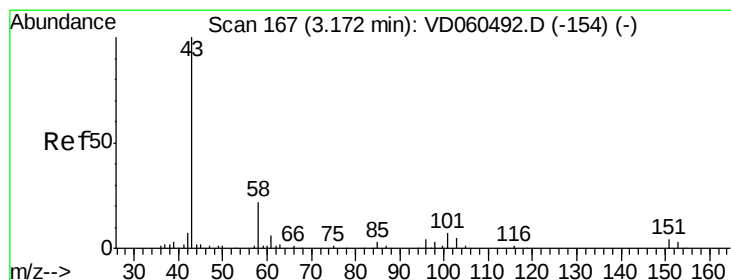
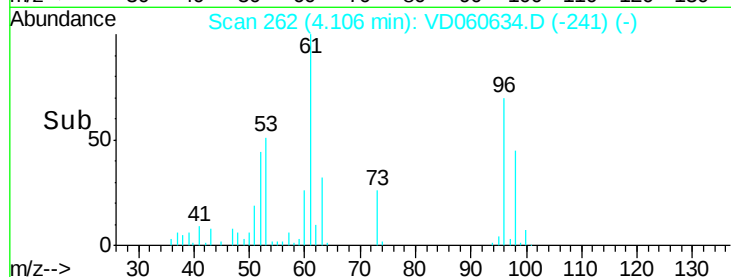
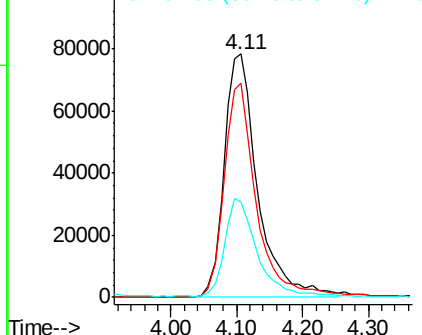
51 38.8 28.8 43.2

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 106.861 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

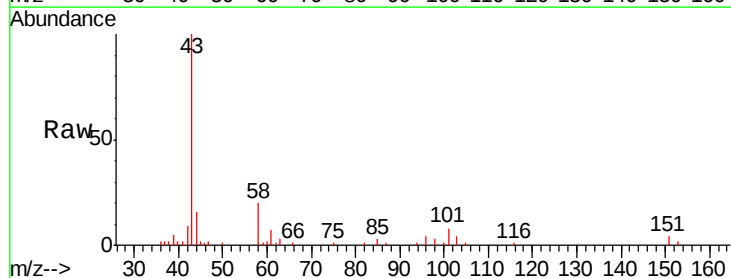
Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

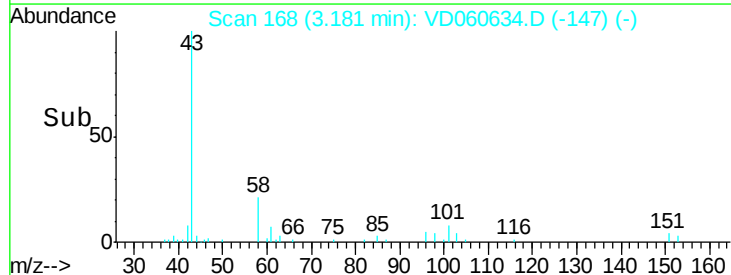
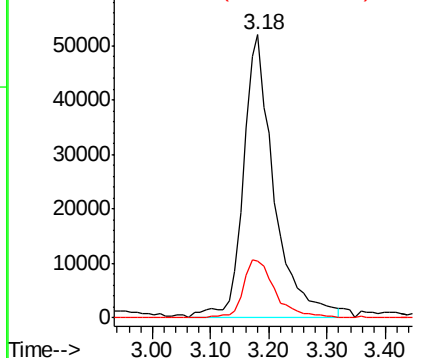
Tgt Ion: 43 Resp: 192304
Ion Ratio Lower Upper

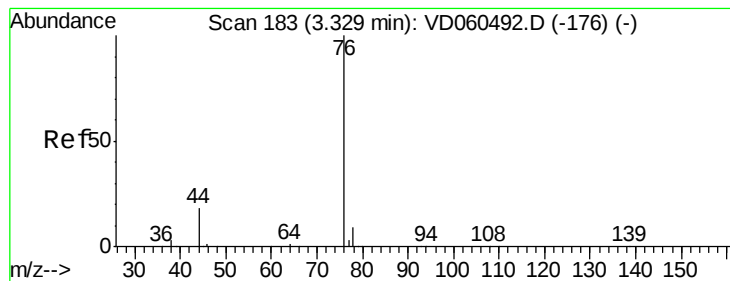
43 100

58 20.2 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.648 ug/l

RT: 3.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 76 Resp: 556722

Ion Ratio Lower Upper

76 100

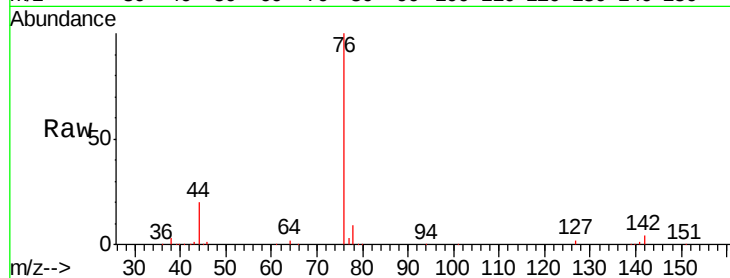
78 8.7 7.0 10.6

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

250000

200000

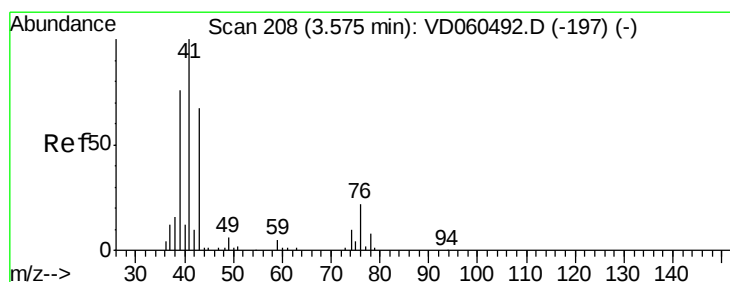
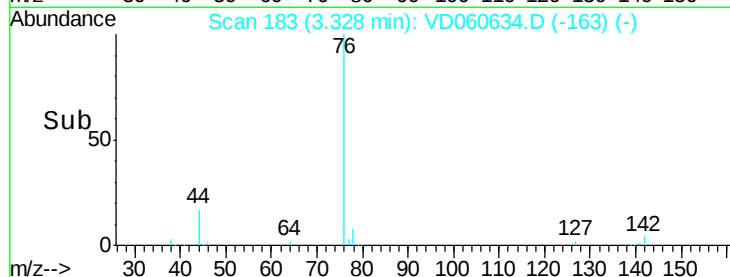
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.566 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.00 min

Lab File: VD060634.D

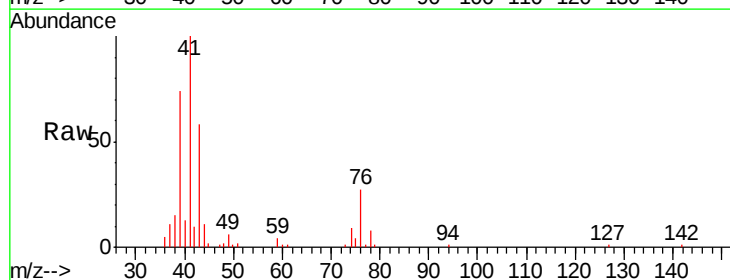
Acq: 19 Dec 2018 12:18

Tgt Ion: 43 Resp: 96513

Ion Ratio Lower Upper

43 100

74 15.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

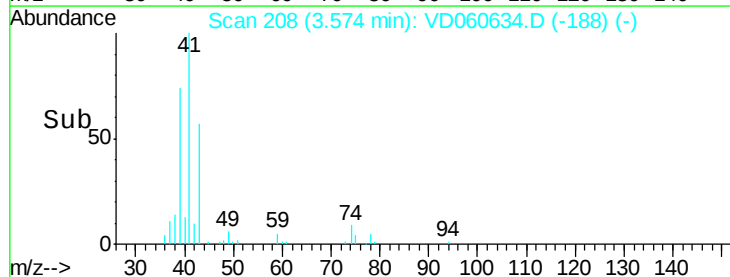
30000

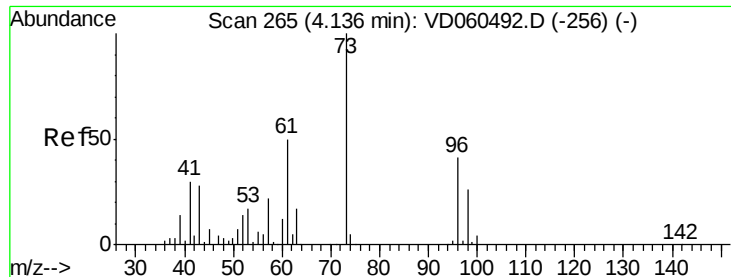
20000

10000

0

Time-->





#19

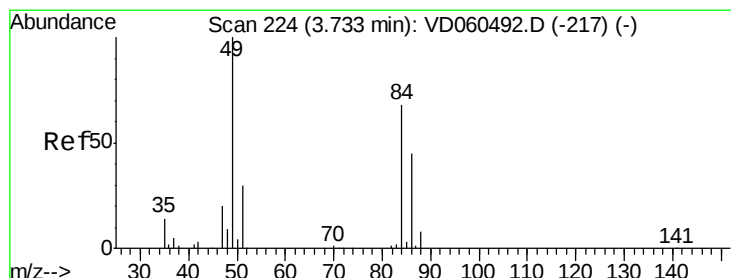
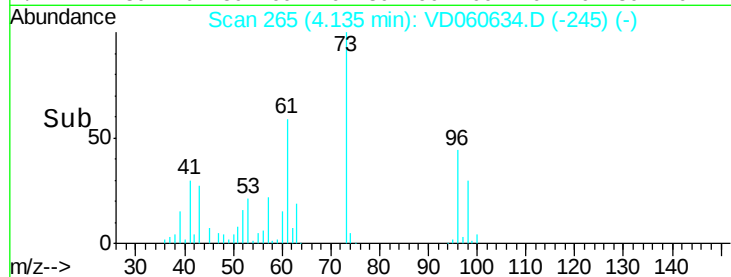
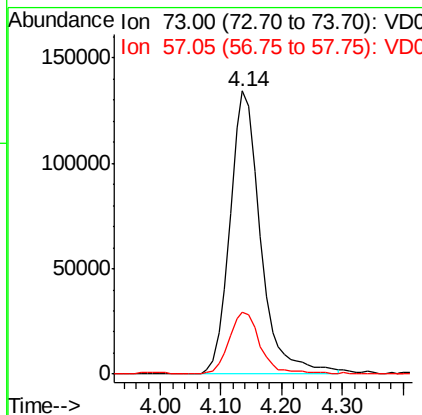
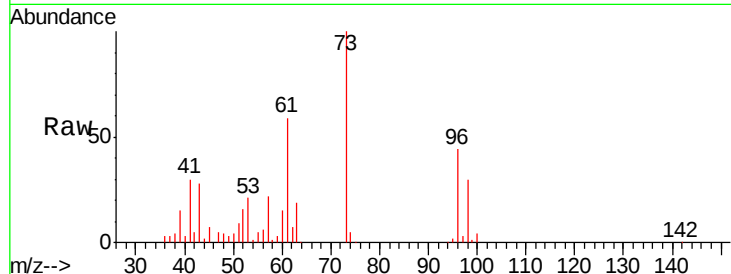
Methyl tert-butyl Ether
Concen: 21.598 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 73 Resp: 474200
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6

Manual Integrations
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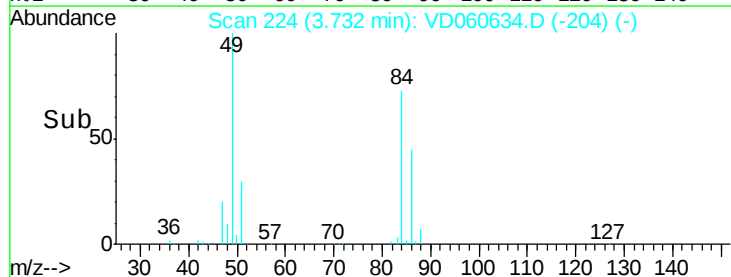
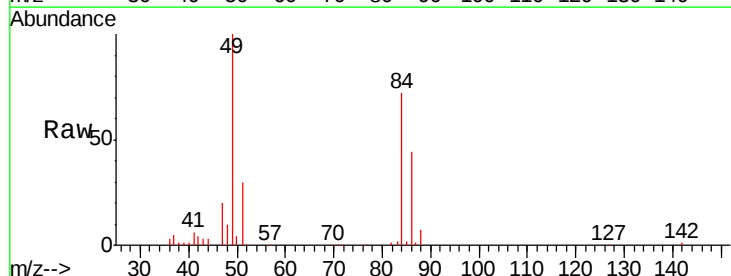
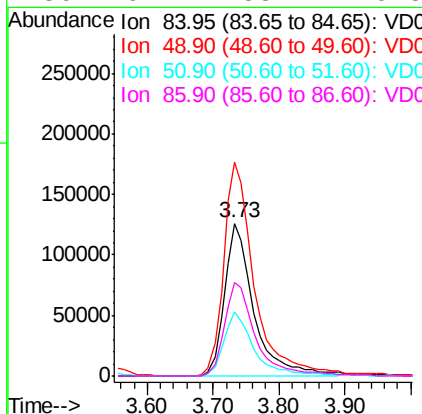
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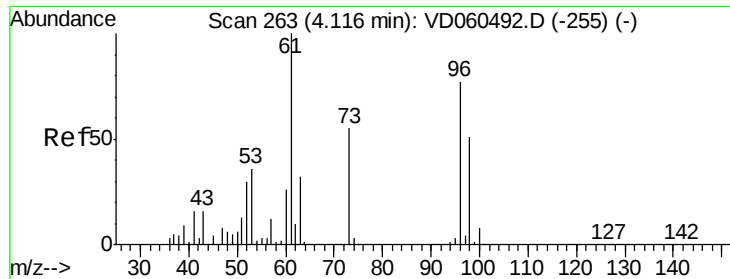


#20

Methylene Chloride
Concen: 21.248 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 84 Resp: 393596
Ion Ratio Lower Upper
84 100
49 139.7 117.2 175.8
51 42.1 35.3 52.9
86 61.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 96 Resp: 361897

Ion Ratio Lower Upper

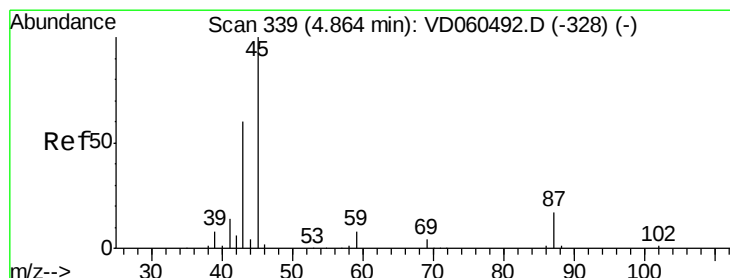
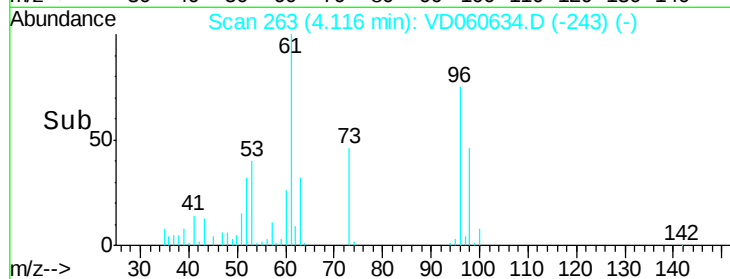
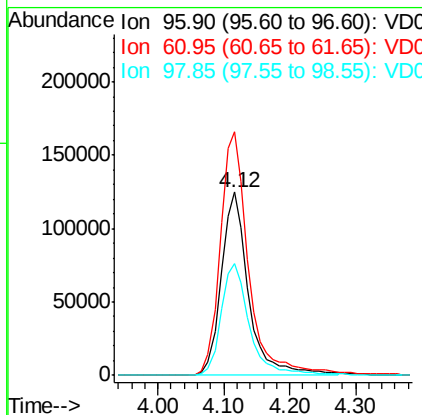
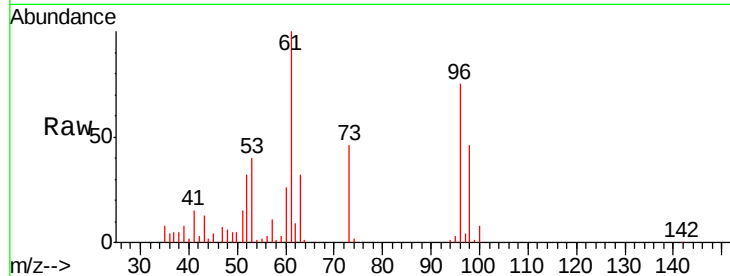
96 100

61 132.8 104.2 156.4

98 60.7 52.8 79.2

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#22

Diisopropyl ether

Concen: 21.603 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion: 45 Resp: 1165049

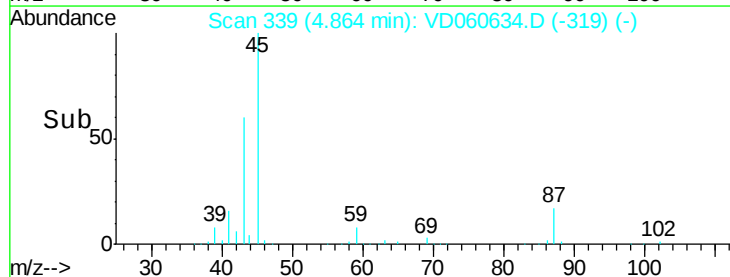
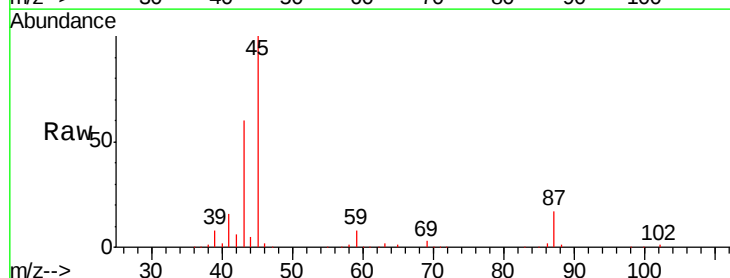
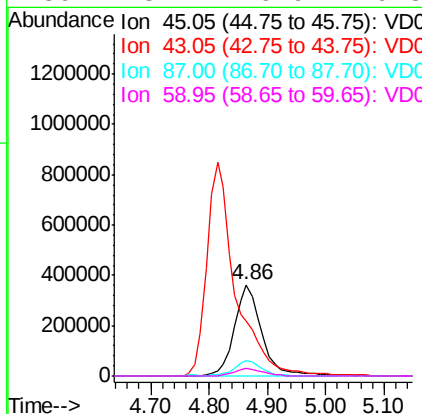
Ion Ratio Lower Upper

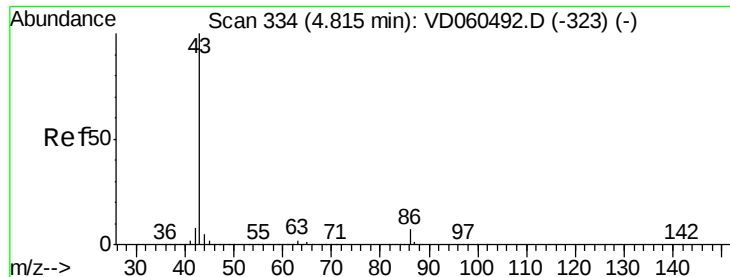
45 100

43 60.1 48.6 73.0

87 17.1 14.0 21.0

59 8.4 6.9 10.3





#23

Vinyl Acetate

Concen: 107.669 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 2876966

Ion Ratio Lower Upper

43 100

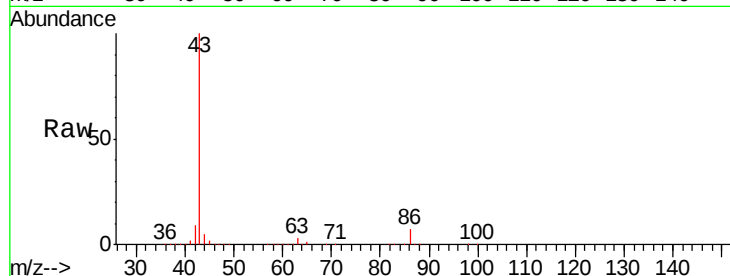
86 6.6 5.5 8.3

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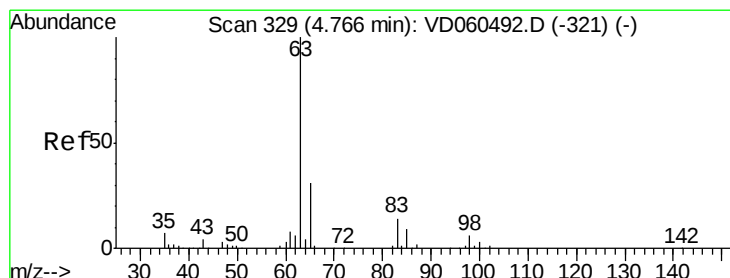
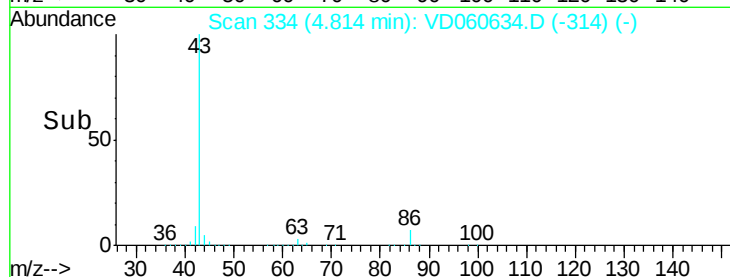
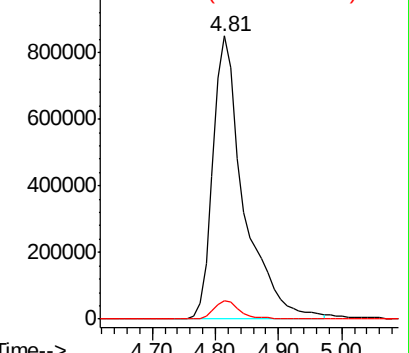
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.636 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

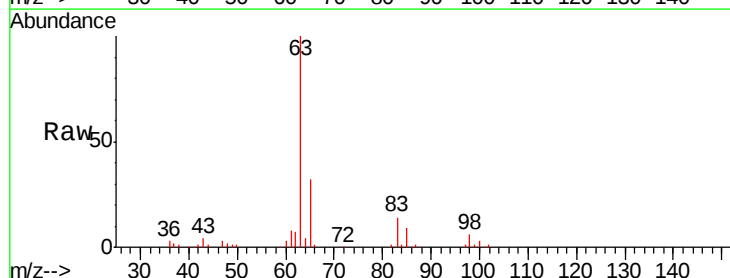
Tgt Ion: 63 Resp: 606181

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

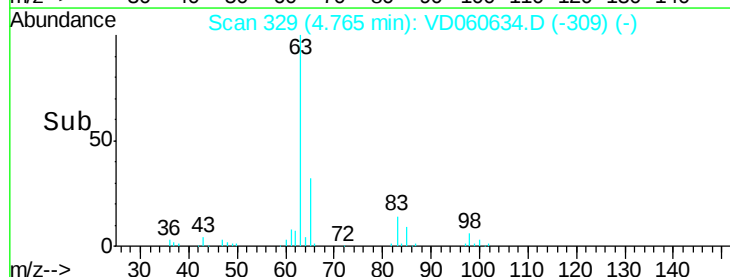
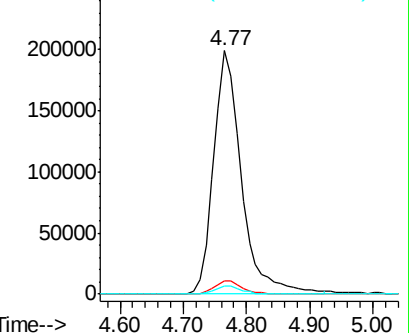
100 3.3 1.7 5.1

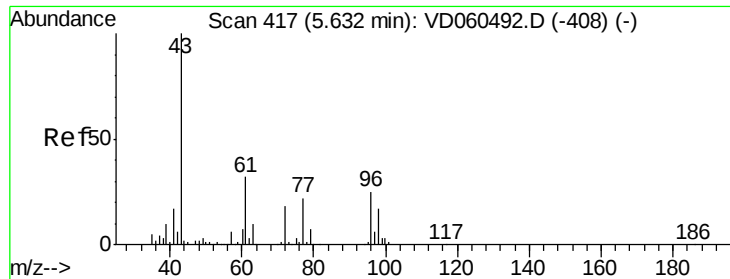


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.924 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 375026

Ion Ratio Lower Upper

43 100

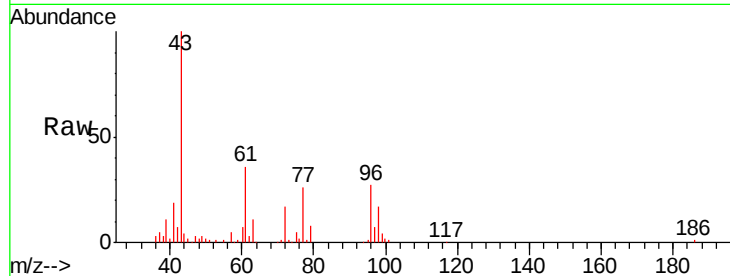
72 17.2 14.6 21.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

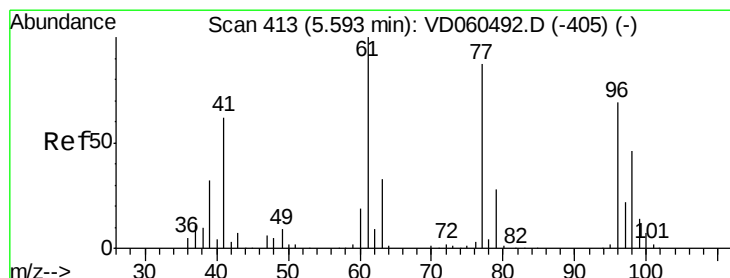
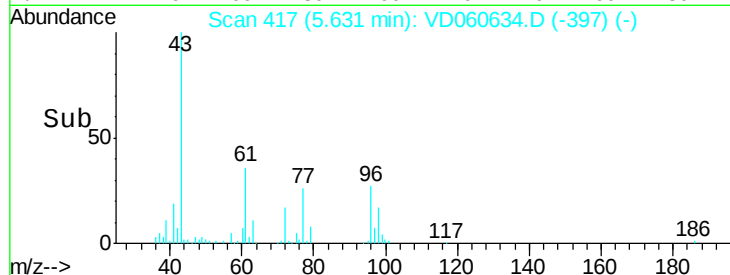
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.069 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060634.D

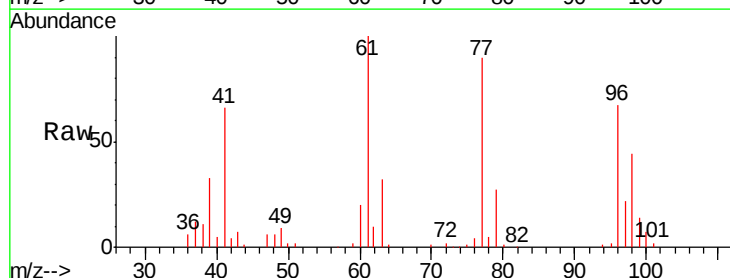
Acq: 19 Dec 2018 12:18

Tgt Ion: 77 Resp: 477664

Ion Ratio Lower Upper

77 100

97 23.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

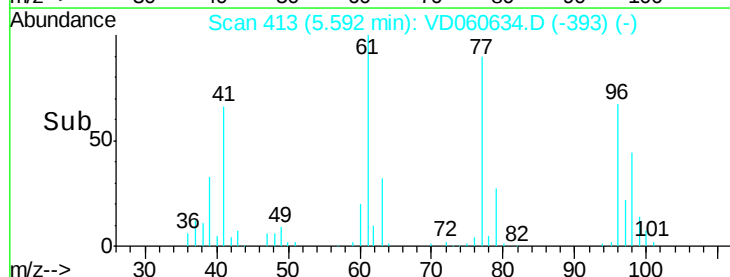
100000

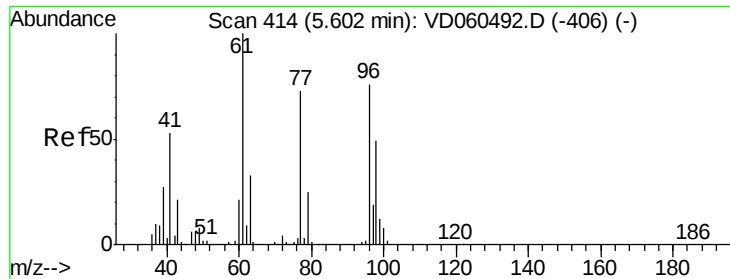
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

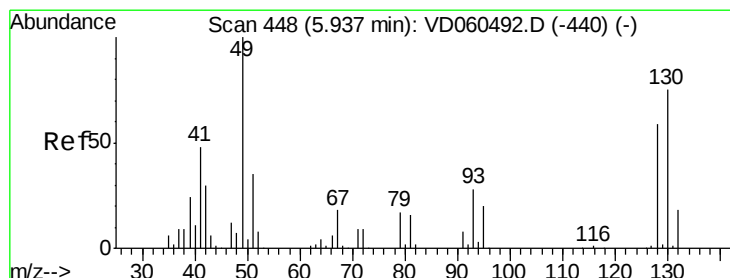
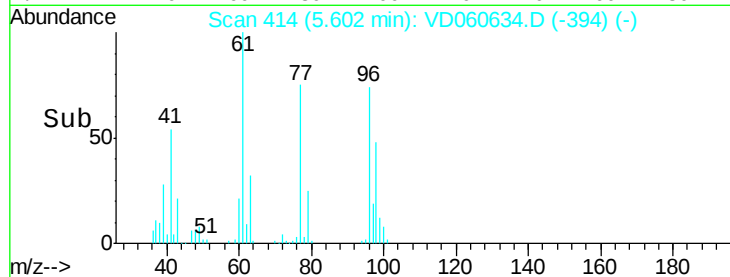
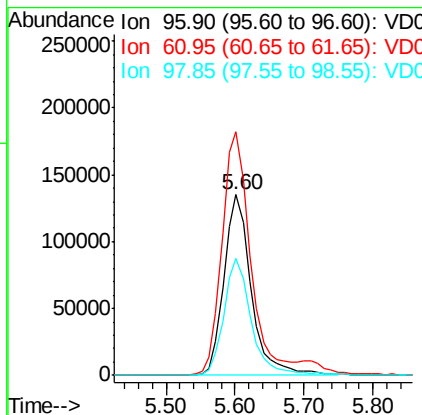
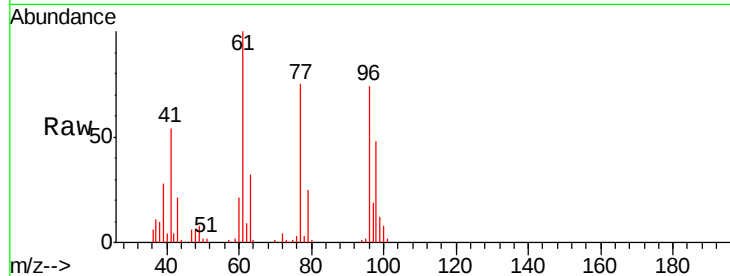
cis-1,2-Dichloroethene
Concen: 21.244 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	371980		
61	134.9	0.0	263.6	
98	64.6	0.0	128.2	

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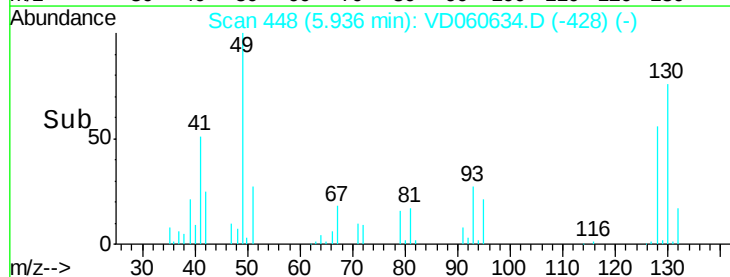
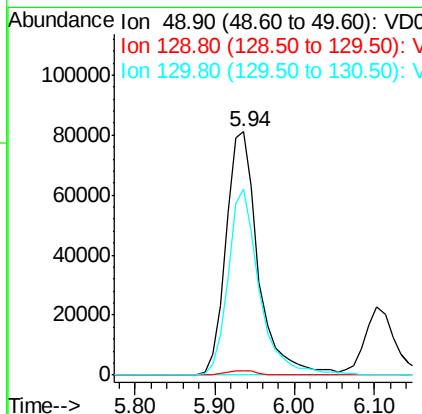
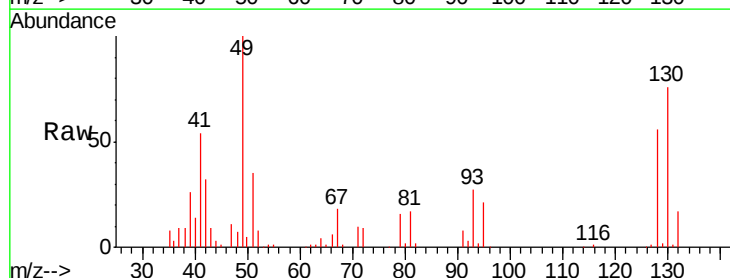
apatel
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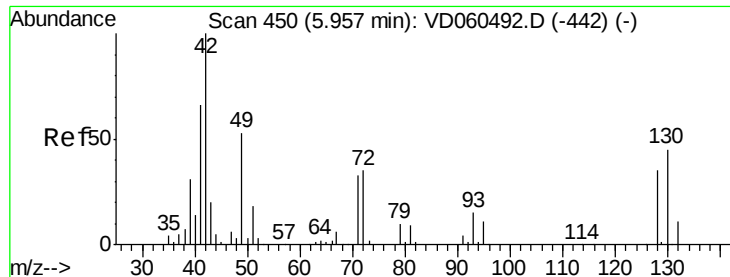


#28

Bromochloromethane
Concen: 18.508 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	229713		
129	1.8	0.0	3.4	
130	76.4	59.8	89.6	





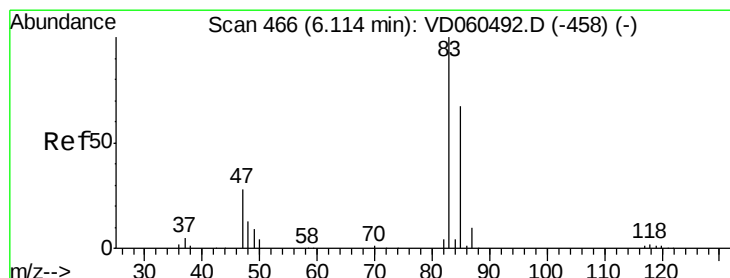
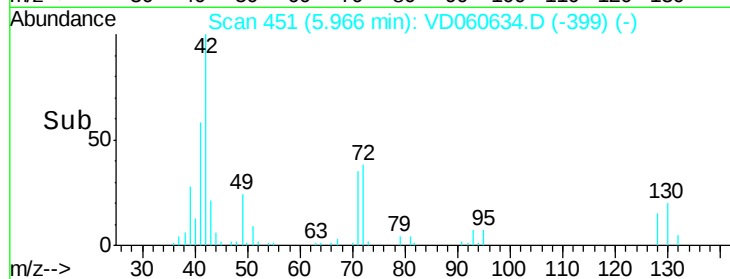
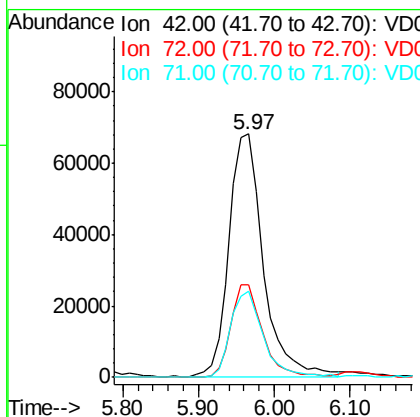
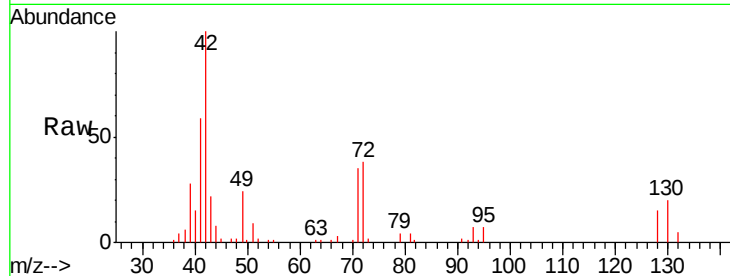
#29
Tetrahydrofuran
Concen: 107.142 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.0	42.0
71	33.4	27.2	40.8

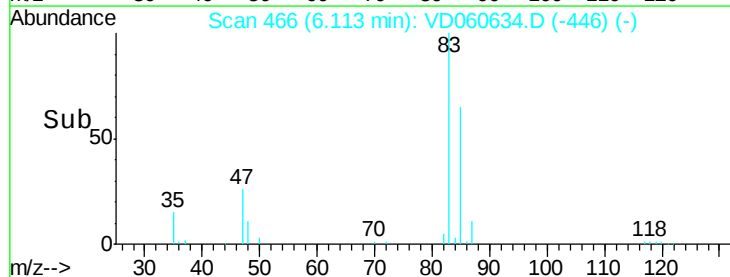
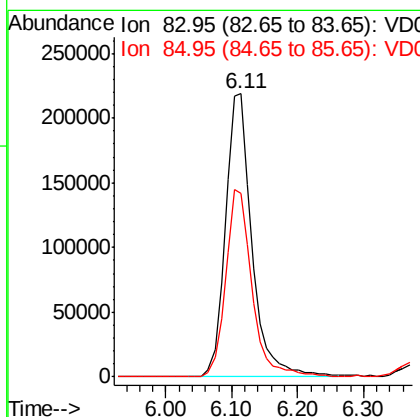
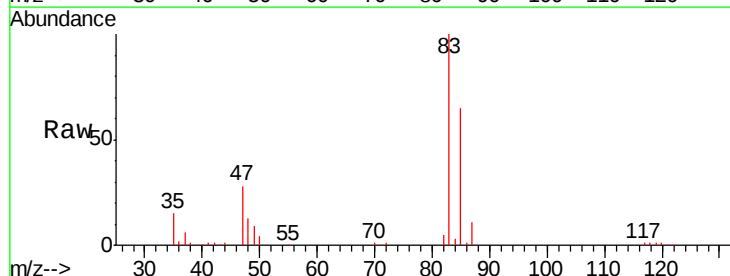
Manual Integrations
APPROVED

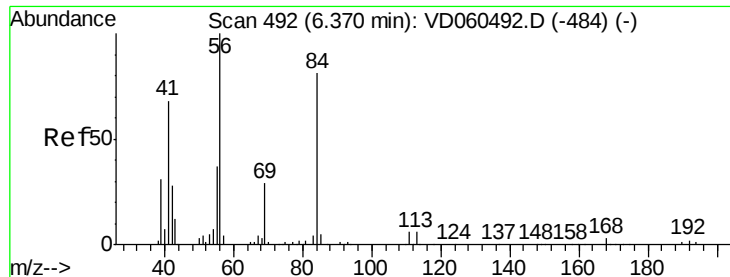
apatel
12/20/2018 12:00:08 PM



#30
Chloroform
Concen: 21.851 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.2





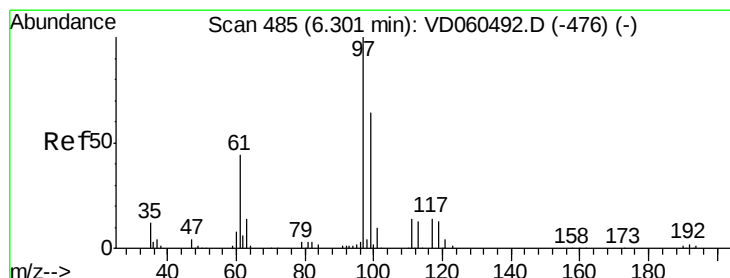
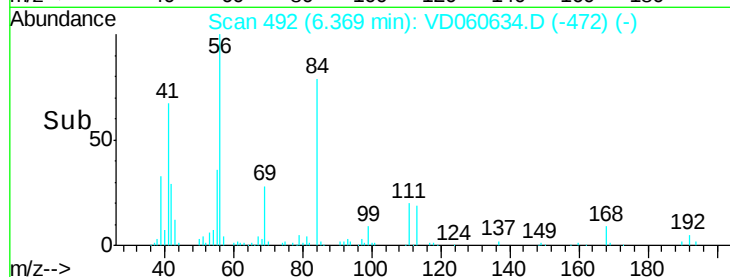
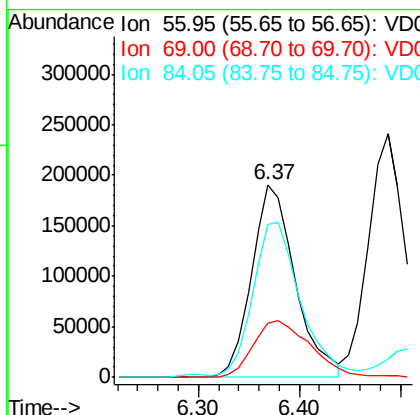
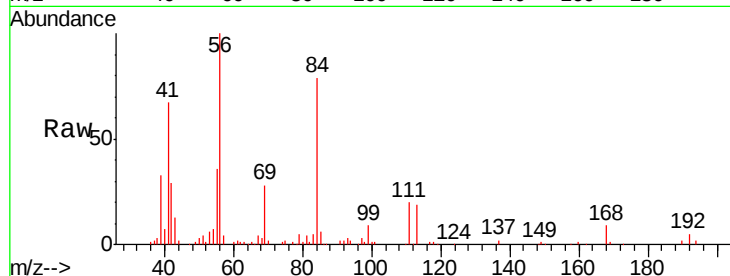
#31
Cyclohexane
Concen: 21.706 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.8	34.2
84	79.3	65.1	97.7

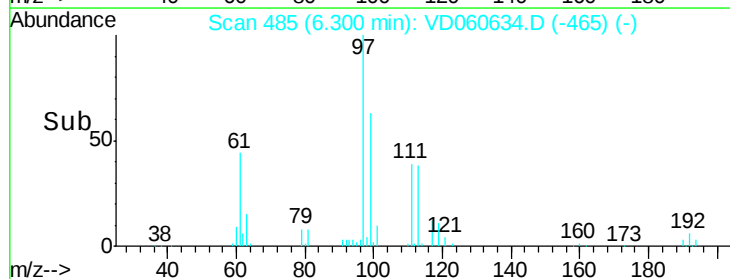
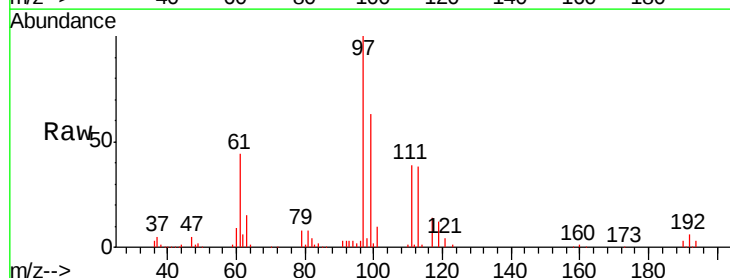
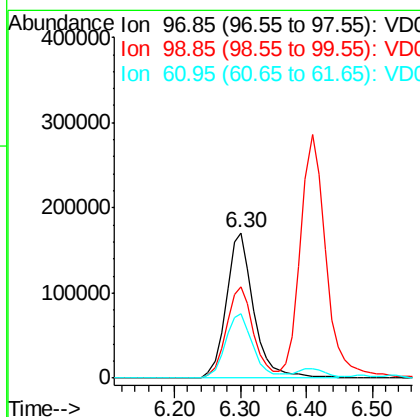
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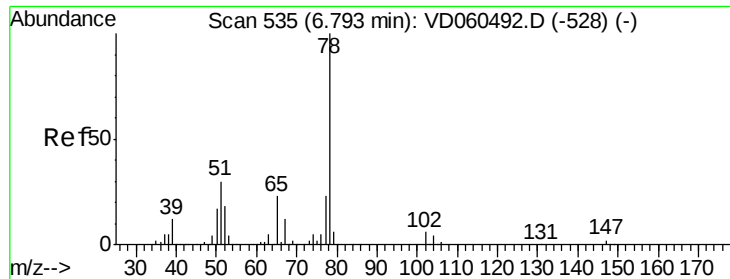
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#32
1,1,1-Trichloroethane
Concen: 21.493 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	44.4	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 21.493 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 65 Resp: 578044

Ion Ratio Lower Upper

65 100

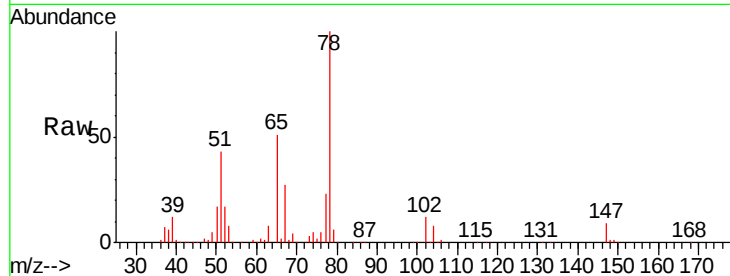
67 52.4 0.0 106.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

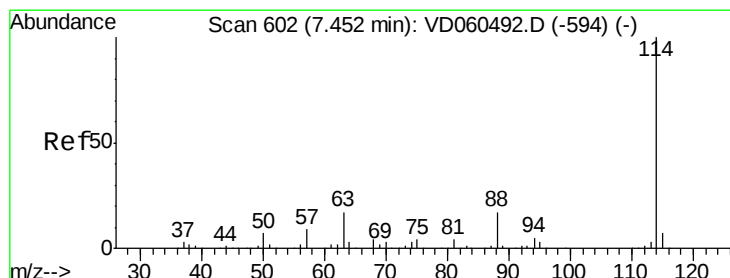
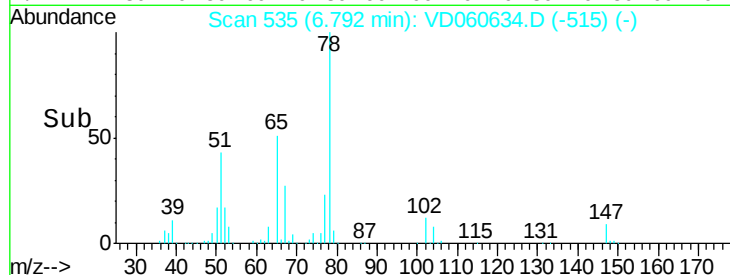
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

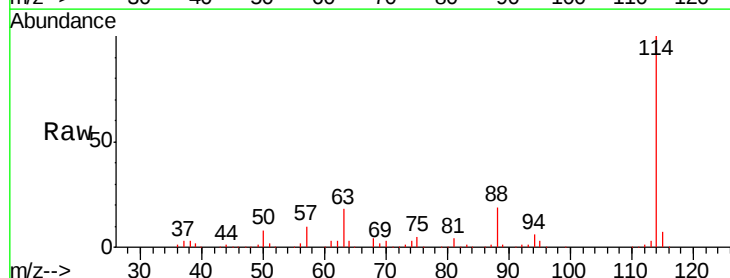
Tgt Ion: 114 Resp: 2132331

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.2

88 18.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

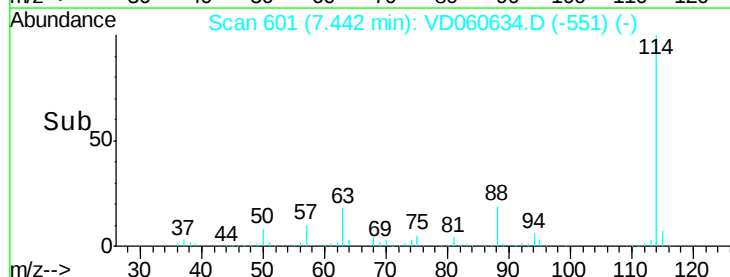
400000

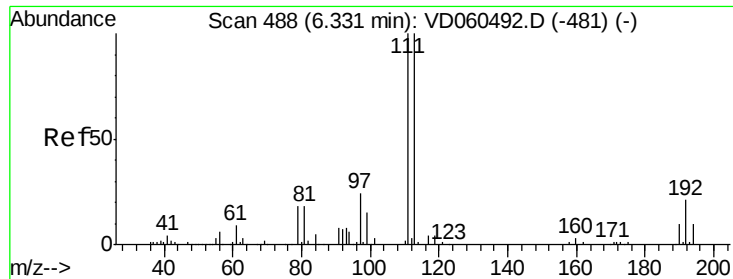
200000

0

7.40 7.60

Time-->





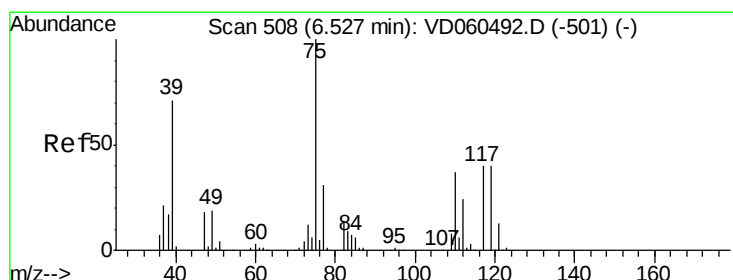
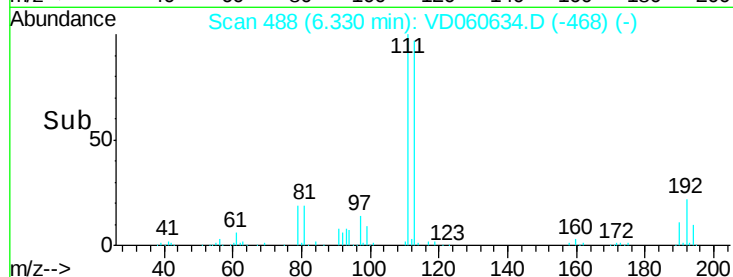
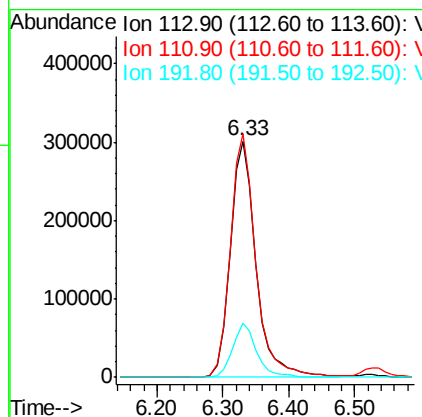
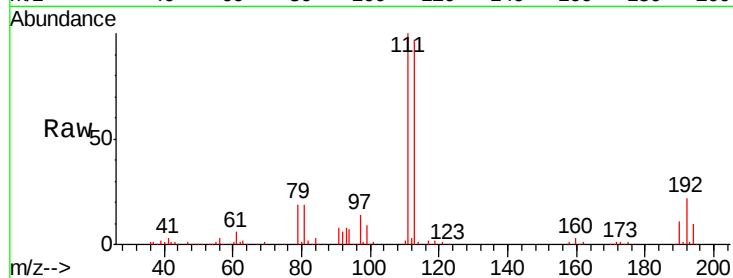
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	822567		
111	103.0	80.2	120.4	
192	22.7	16.6	24.8	

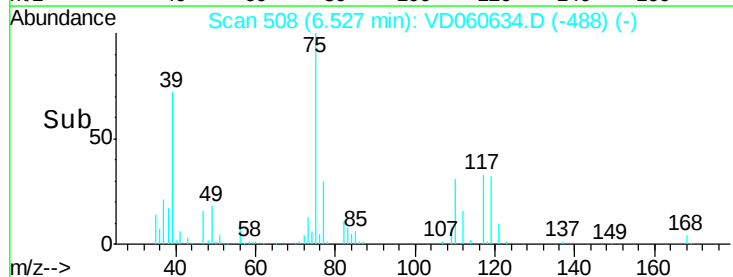
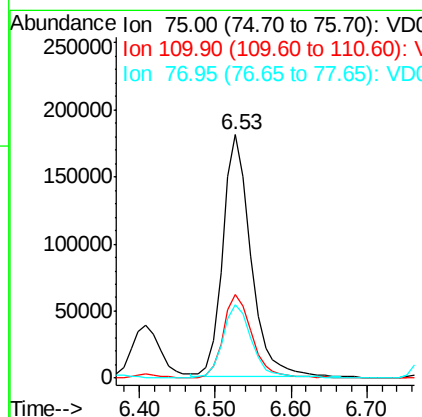
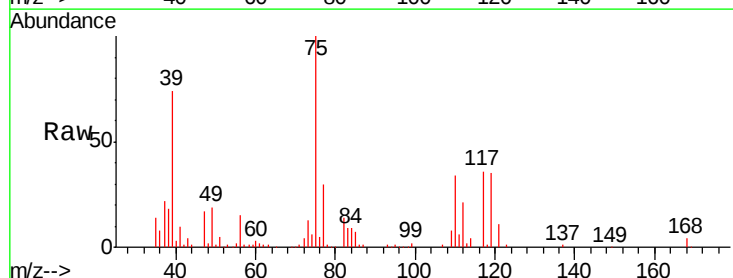
Manual Integrations
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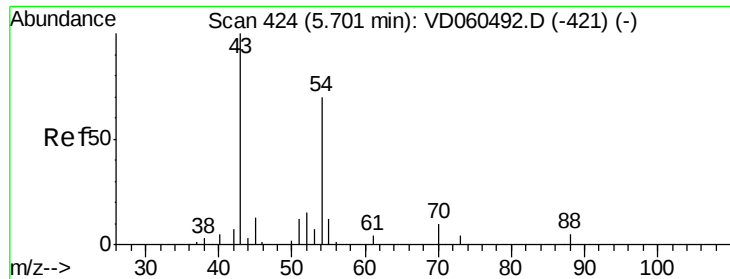
apatel
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#36
1,1-Dichloropropene
Concen: 22.364 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	466144		
110	34.3	18.3	54.8	
77	30.0	24.6	37.0	





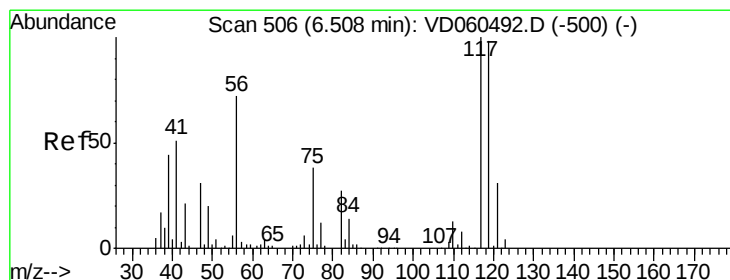
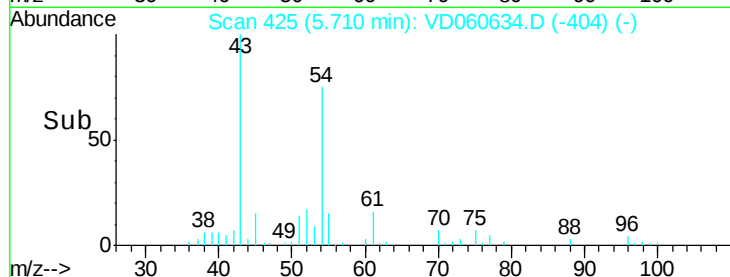
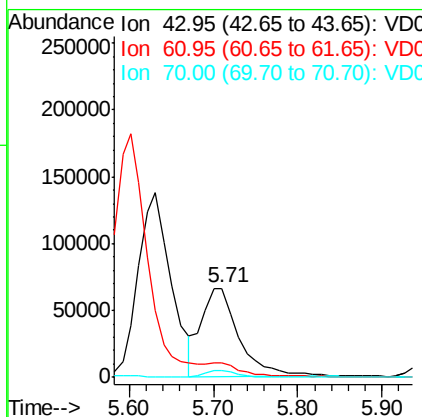
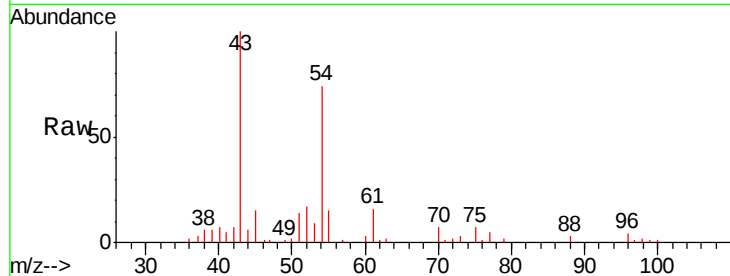
#37
Ethyl Acetate
Concen: 22.307 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	7.1	5.4	8.0

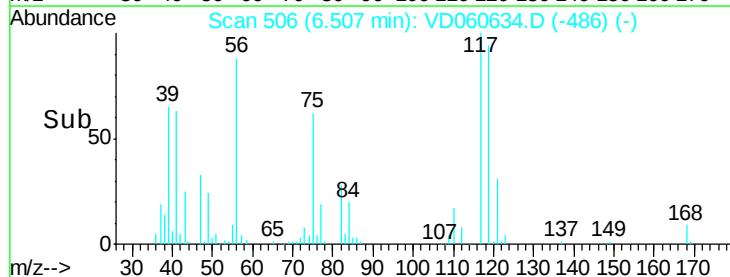
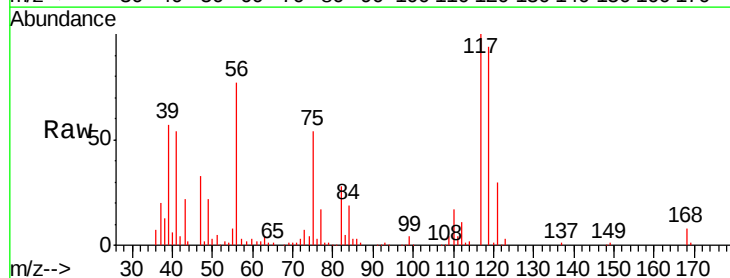
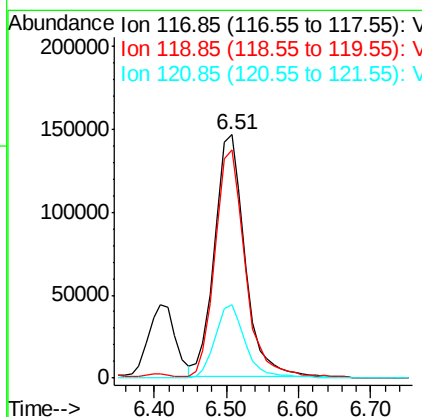
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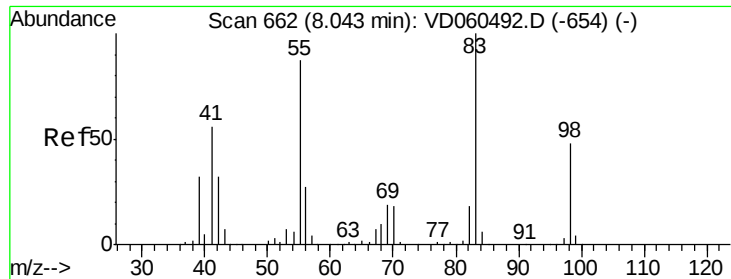
apatel
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#38
Carbon Tetrachloride
Concen: 22.501 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.8	115.2
121	30.4	24.4	36.6





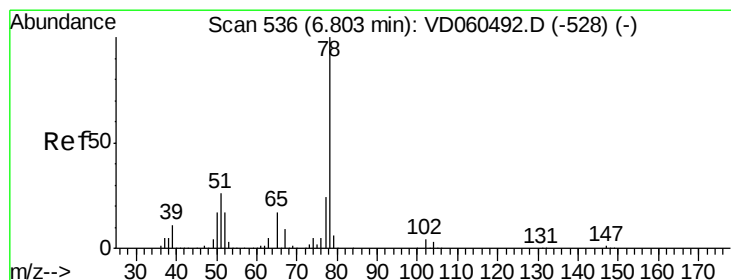
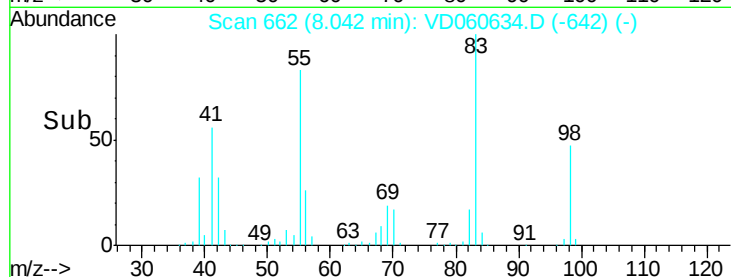
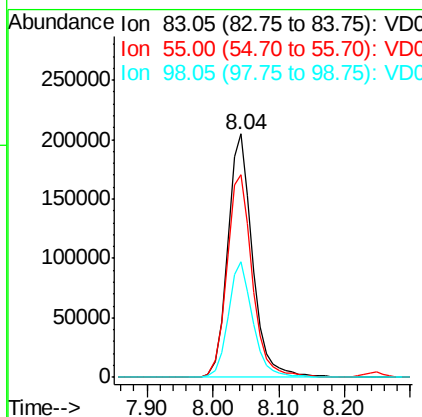
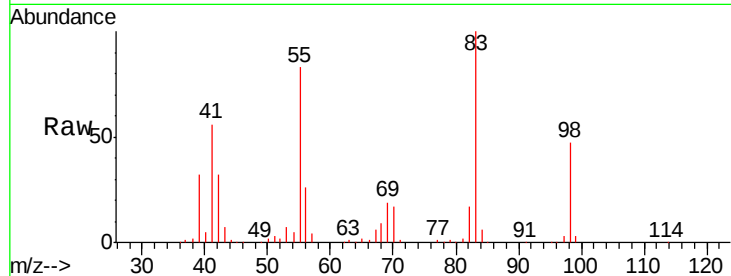
#39
Methylcyclohexane
Concen: 22.623 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	537538		
55	83.4	69.8	104.8	
98	47.5	38.4	57.6	

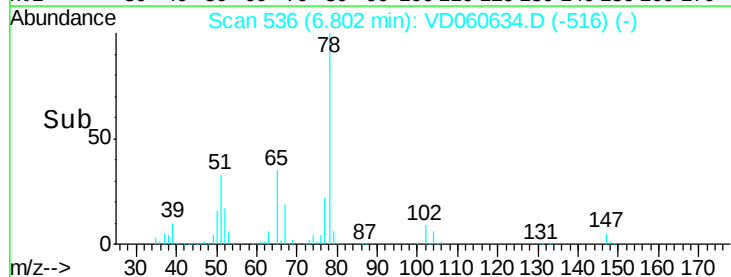
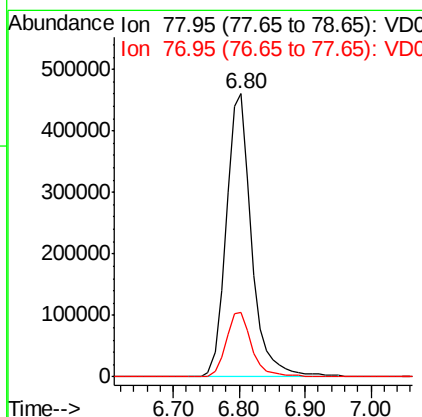
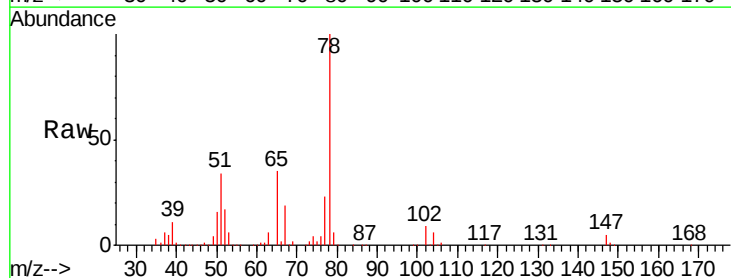
Manual Integrations
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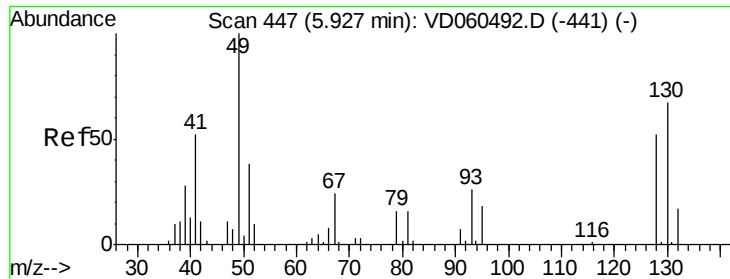
apatel
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#40
Benzene
Concen: 23.299 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1241113		
77	22.6	18.9	28.3	





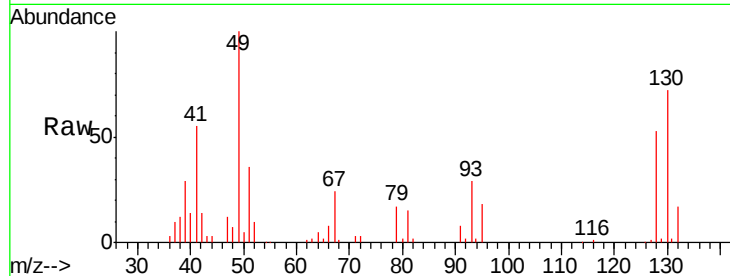
#41
Methacrylonitrile
Concen: 14.711 ug/l m
RT: 5.93 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

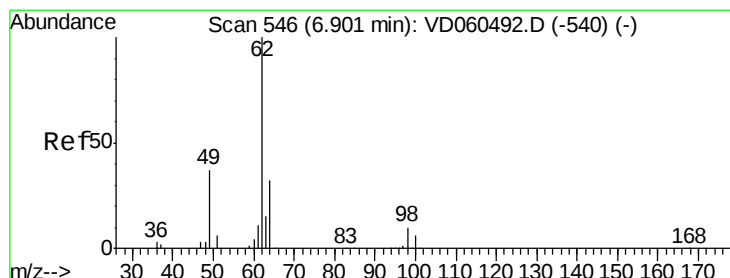
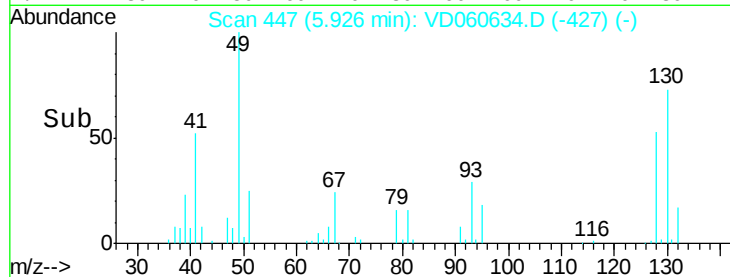
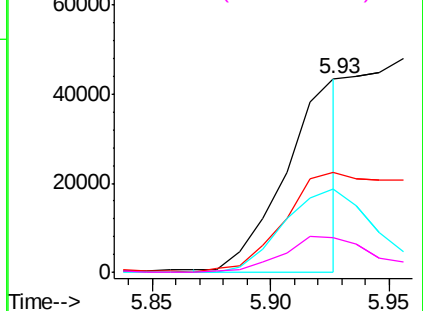
Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.9	42.6	63.8
67	43.1	36.2	54.4
52	17.6	15.6	23.4

Manual Integrations
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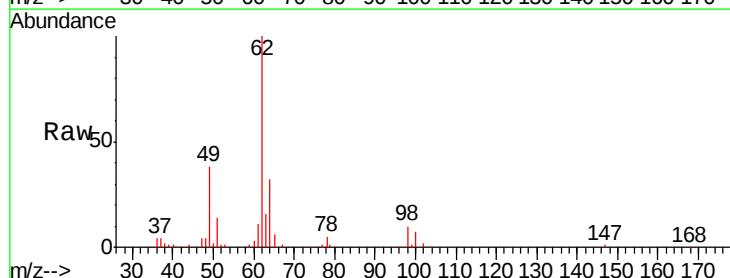


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

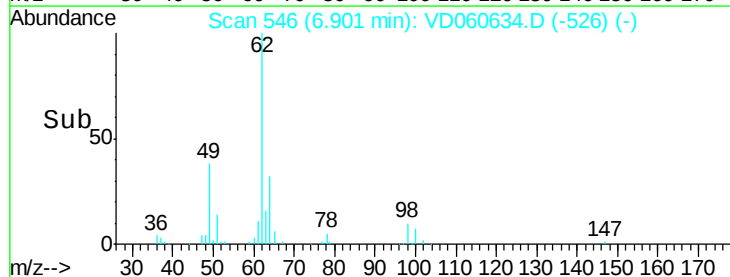
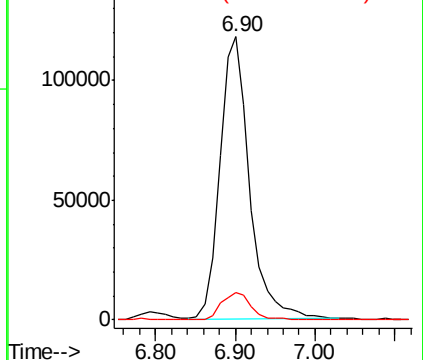


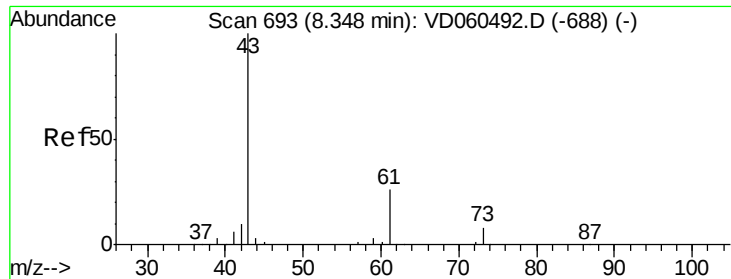
#42
1,2-Dichloroethane
Concen: 22.702 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.552 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

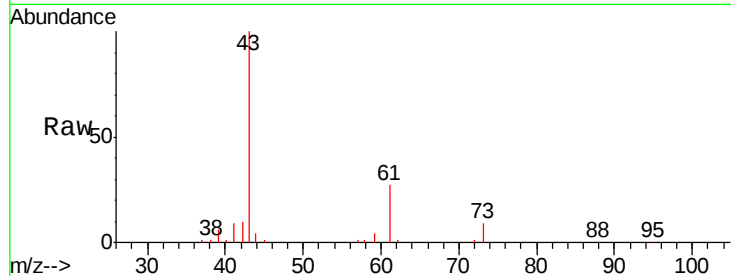
ClientSampleId :

VD1219SBS01

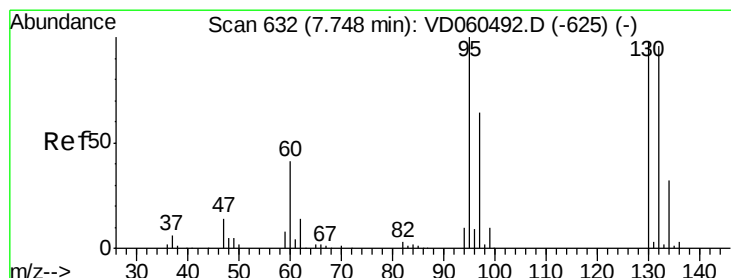
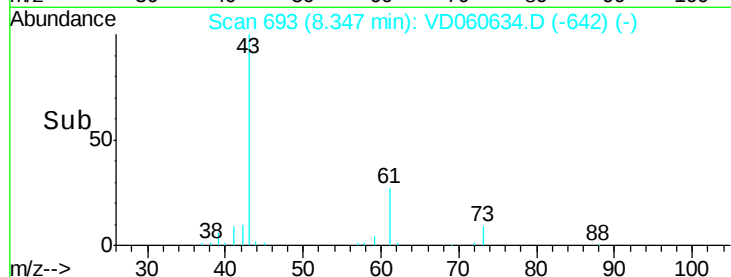
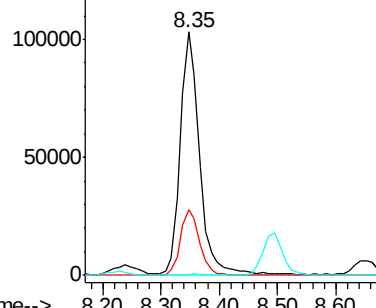
Tgt Ion:	43	Resp:	240483
Ion Ratio	Lower	Upper	
43	100		
61	27.0	21.0	31.4
87	0.0	0.2	0.2#

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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: 22.683 ug/l

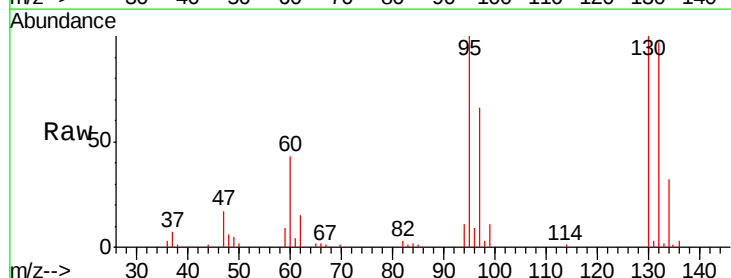
RT: 7.74 min Scan# 631

Delta R.T. -0.01 min

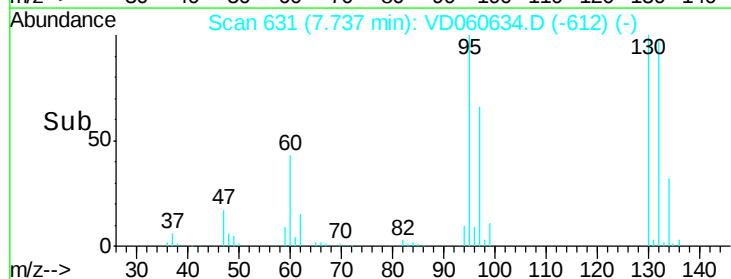
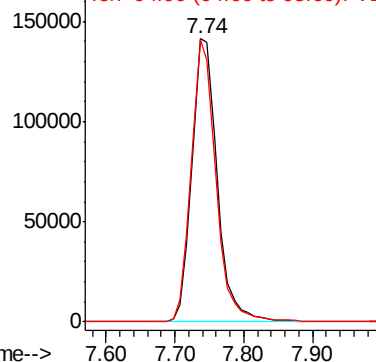
Lab File: VD060634.D

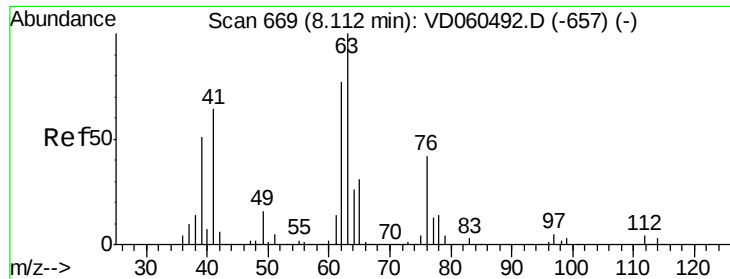
Acq: 19 Dec 2018 12:18

Tgt Ion:	130	Resp:	361097
Ion Ratio	Lower	Upper	
130	100		
95	99.9	0.0	203.8



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





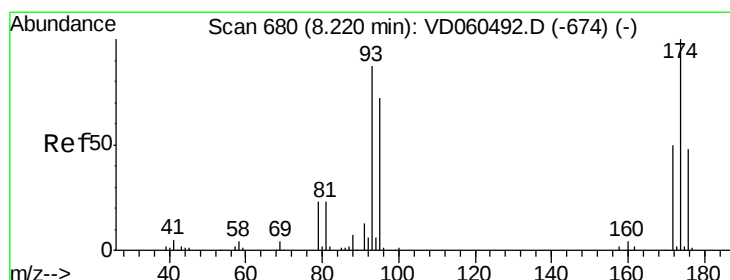
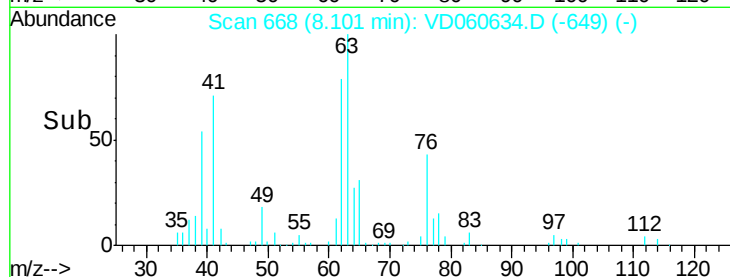
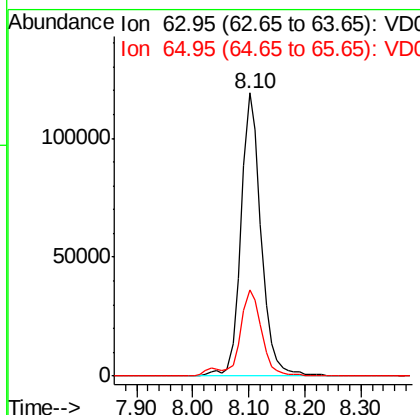
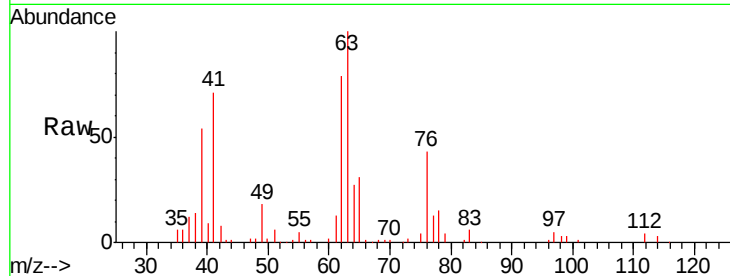
#45
 1,2-Dichloropropane
 Concen: 22.552 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBSD01

Tgt Ion: 63 Resp: 297108
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

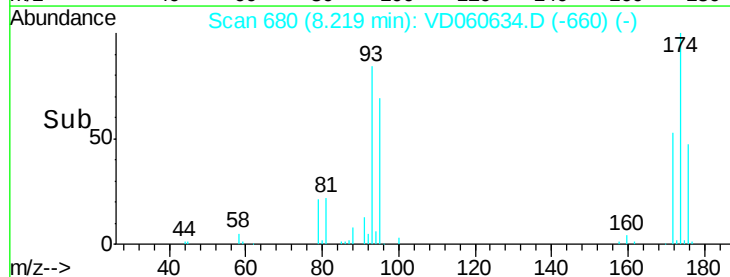
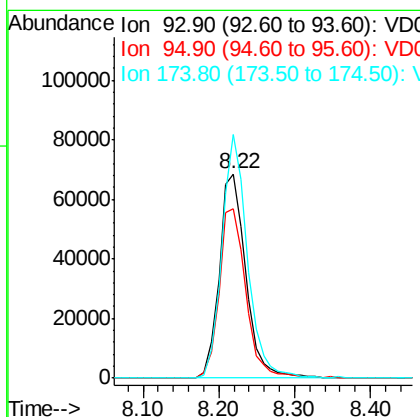
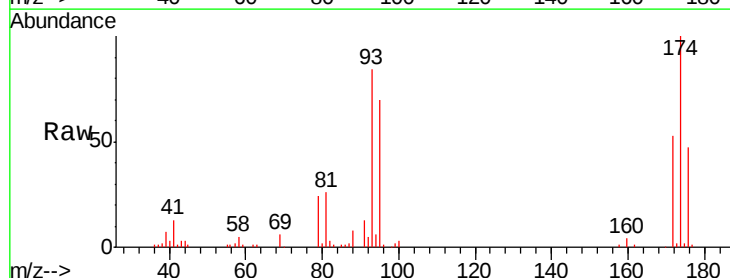
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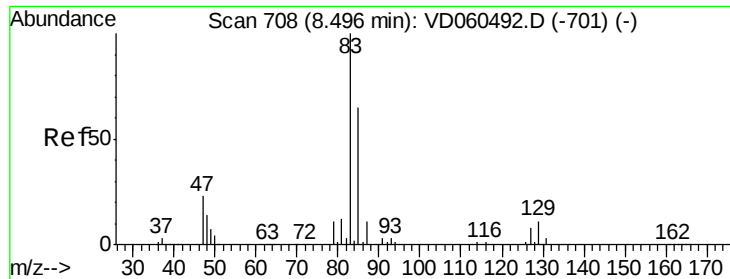
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#46
 Dibromomethane
 Concen: 21.902 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 93 Resp: 166713
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.6 98.4
 174 119.4 91.7 137.5





#47

Bromodichloromethane

Concen: 22.801 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

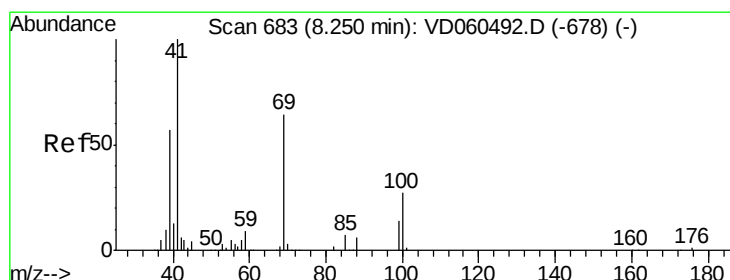
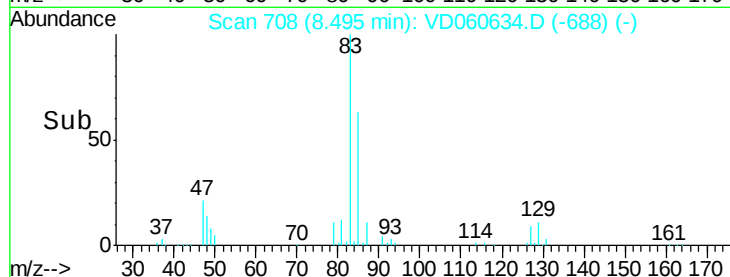
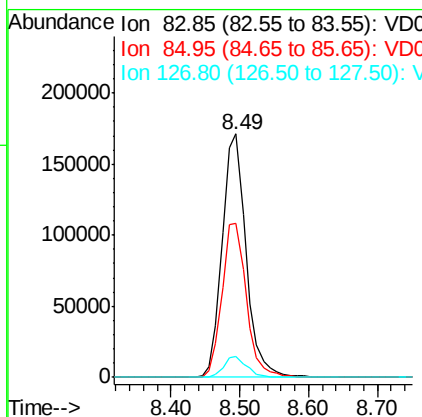
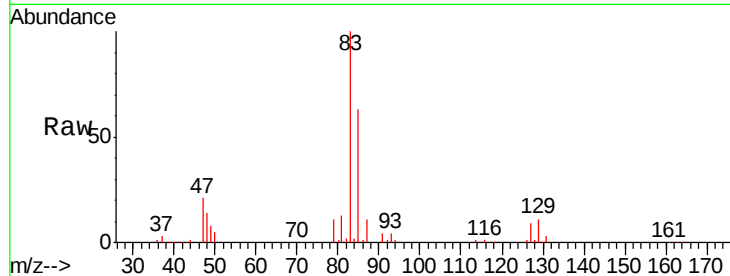
ClientSampleId :

VD1219SBS01

Tgt Ion:	83	Resp:	411802
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.2	78.4
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 21.933 ug/l

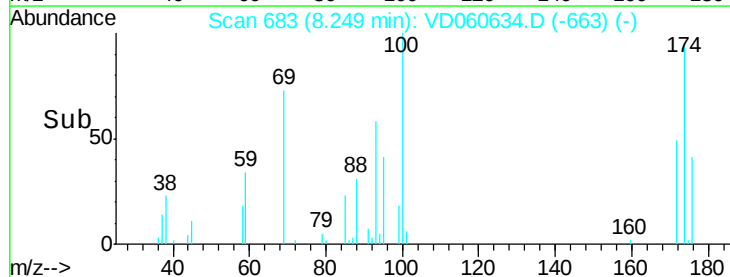
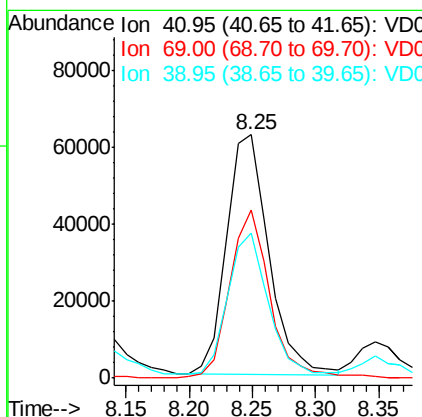
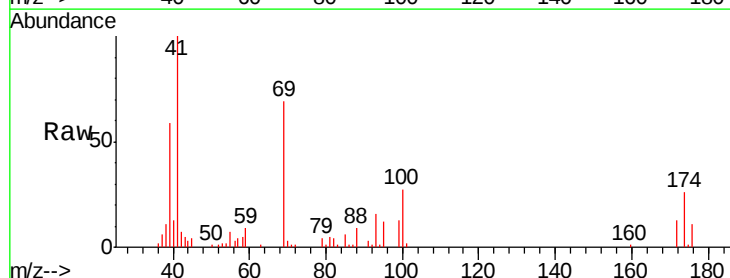
RT: 8.25 min Scan# 683

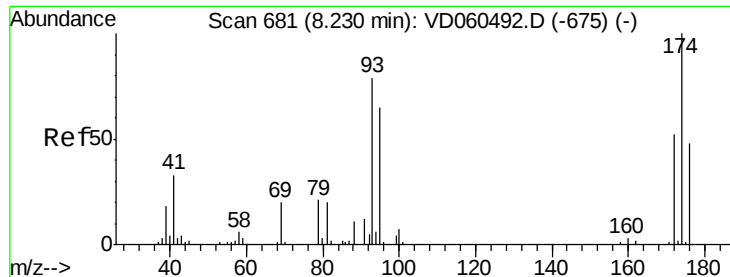
Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion:	41	Resp:	144809
Ion Ratio	Lower	Upper	
41	100		
69	68.8	50.2	75.4
39	59.3	46.1	69.1





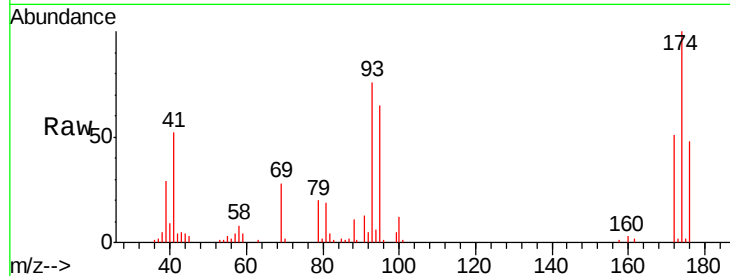
#49
1,4-Dioxane
Concen: 450.005 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

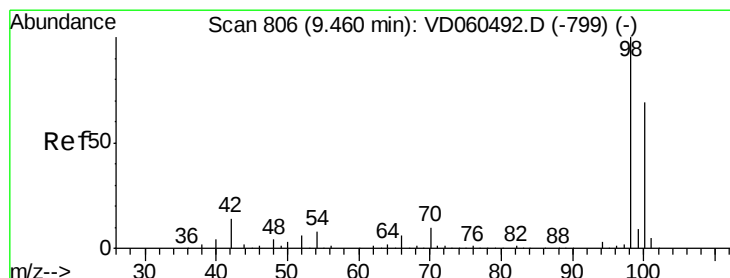
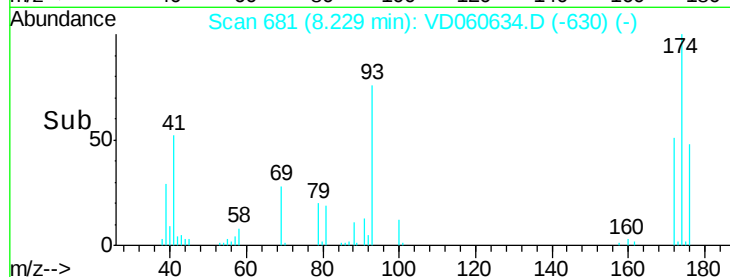
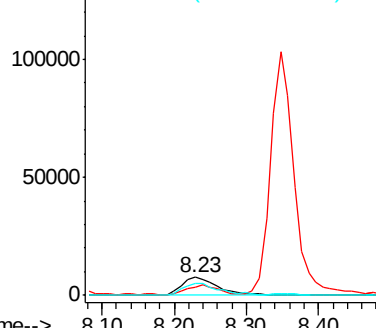
Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.5	32.9	49.3
58	67.1	47.7	71.5

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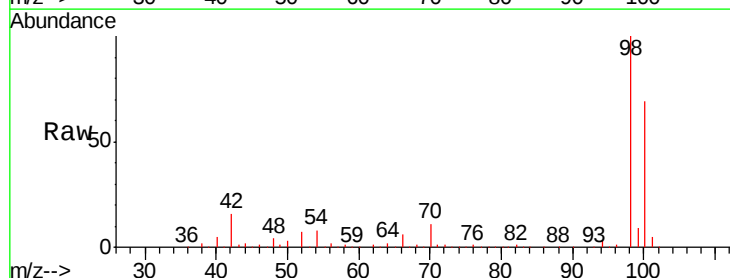


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

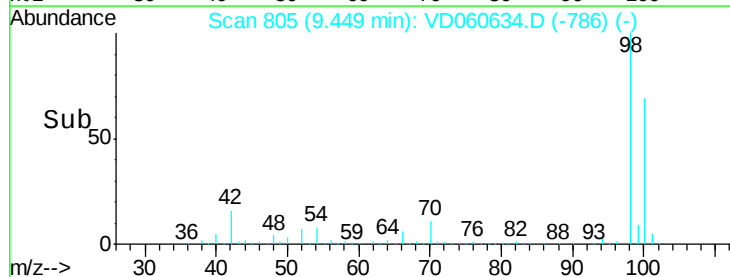
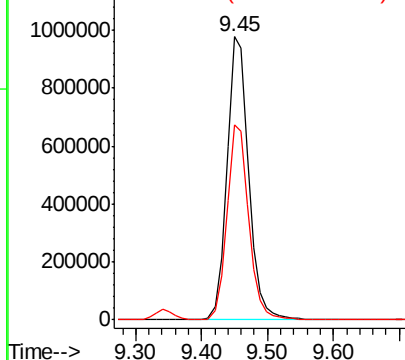


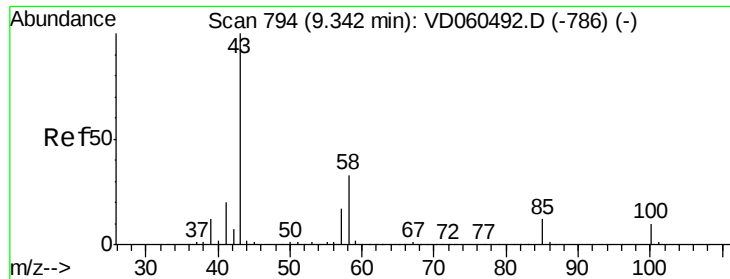
#50
Toluene-d8
Concen: 450.005 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.7	83.5



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: 111.240 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 772123

Ion Ratio Lower Upper

43 100

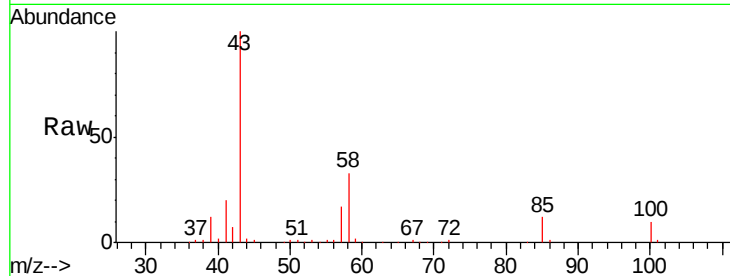
58 32.8 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

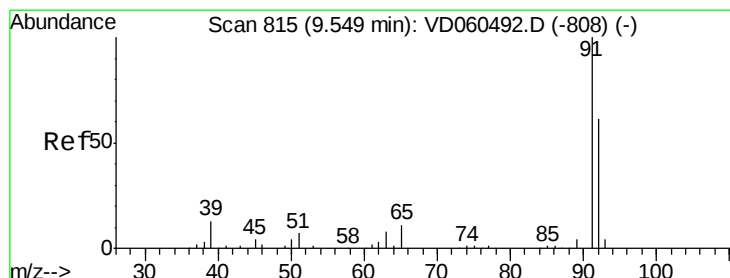
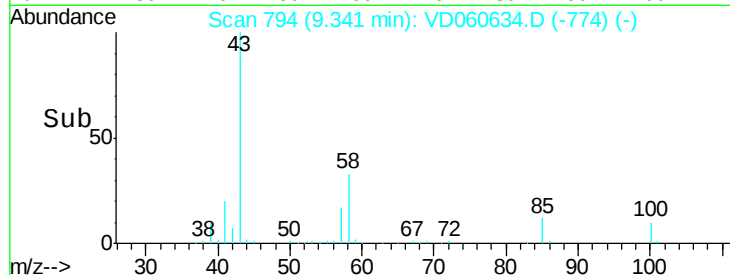
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 22.217 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060634.D

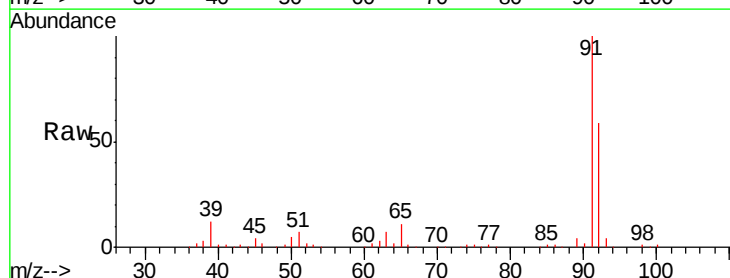
Acq: 19 Dec 2018 12:18

Tgt Ion: 92 Resp: 739704

Ion Ratio Lower Upper

92 100

91 169.1 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

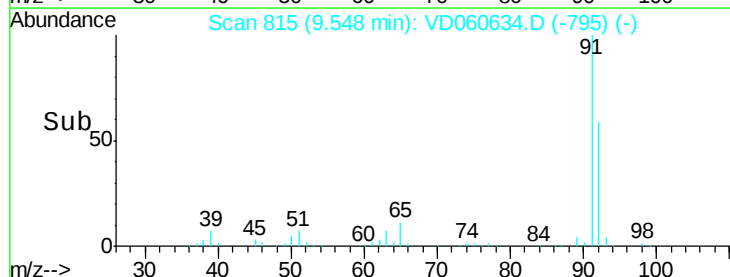
600000

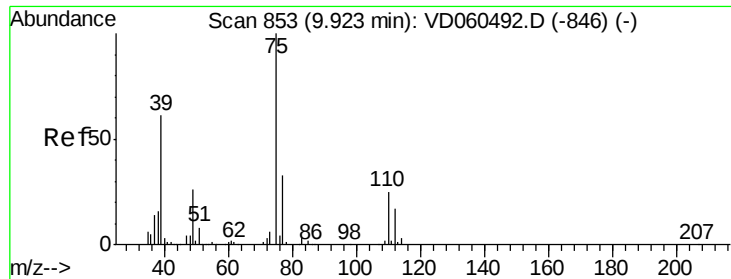
400000

200000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 23.068 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 75 Resp: 342347

Ion Ratio Lower Upper

75 100

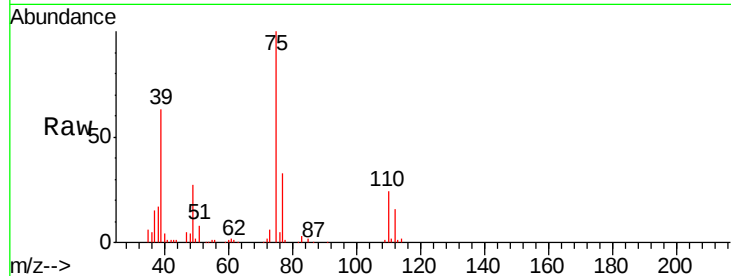
77 33.3 26.2 39.2

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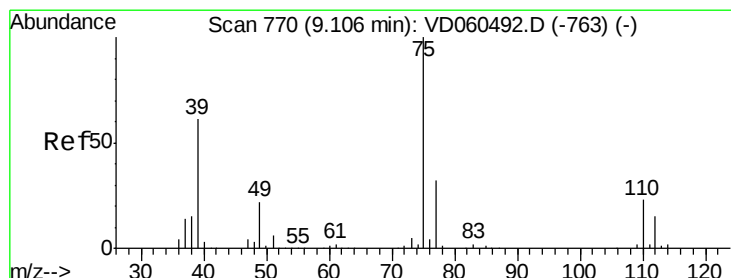
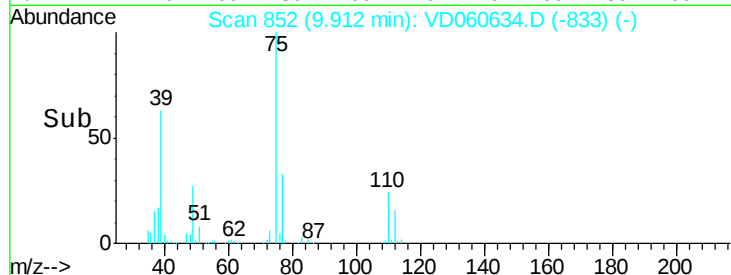
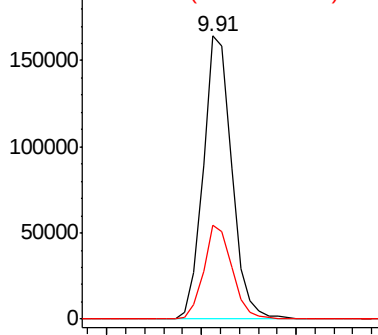
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.825 ug/l

RT: 9.11 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

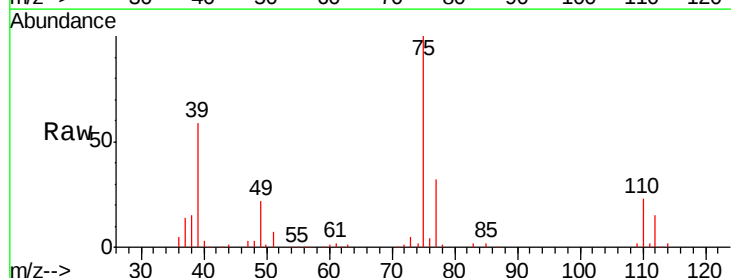
Tgt Ion: 75 Resp: 445052

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

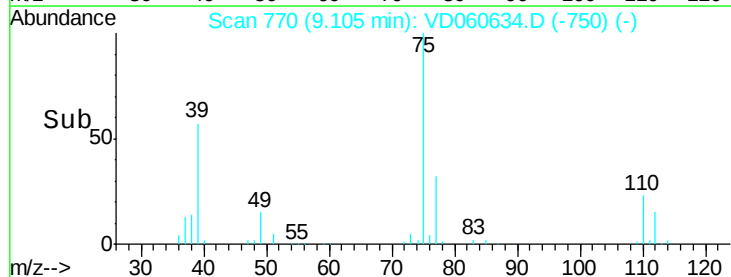
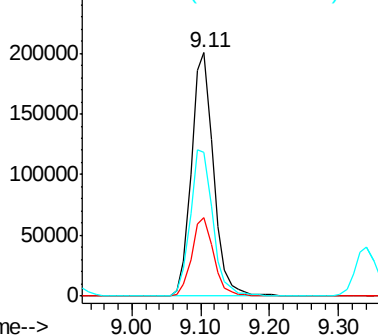
39 59.1 48.6 73.0

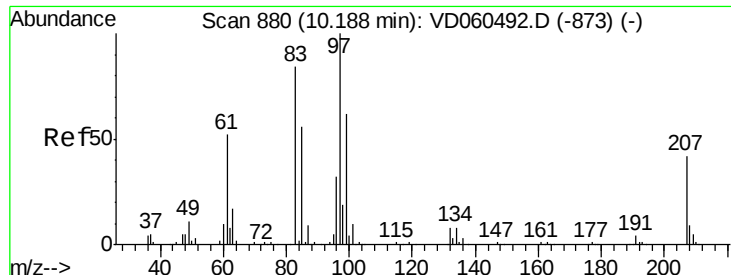


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





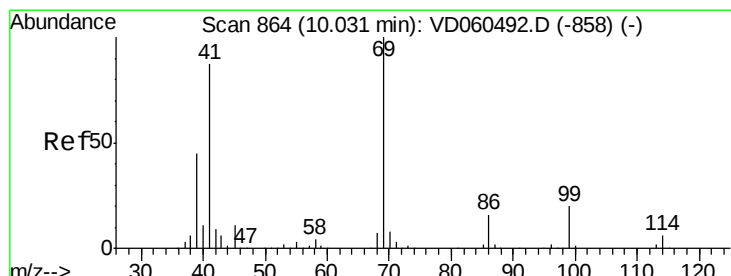
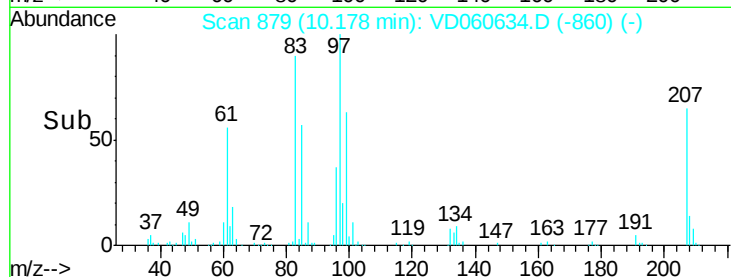
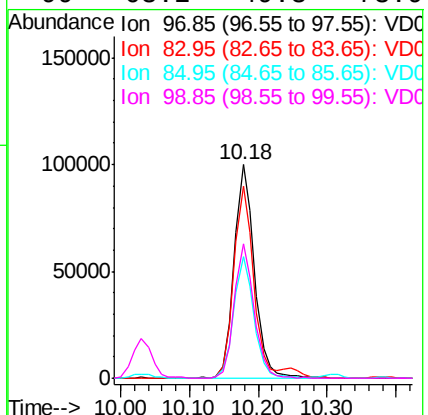
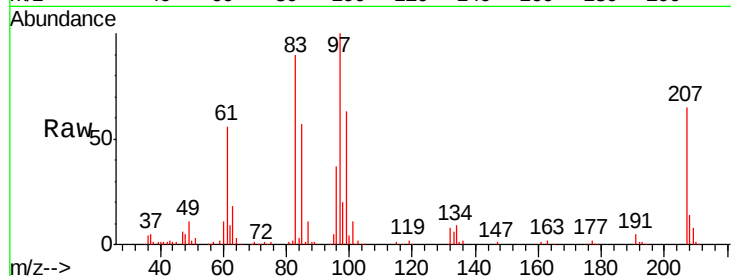
#55
 1,1,2-Trichloroethane
 Concen: 21.946 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	203479		
83	90.1	67.2	100.8	
85	56.7	44.5	66.7	
99	63.2	49.3	73.9	

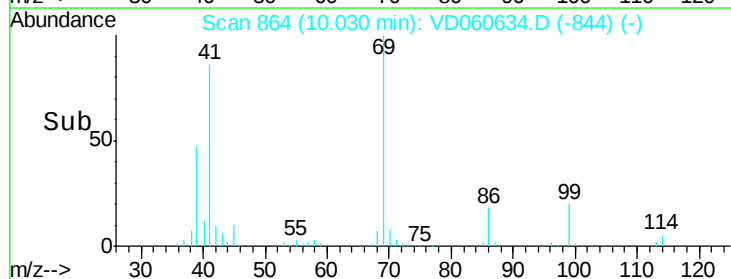
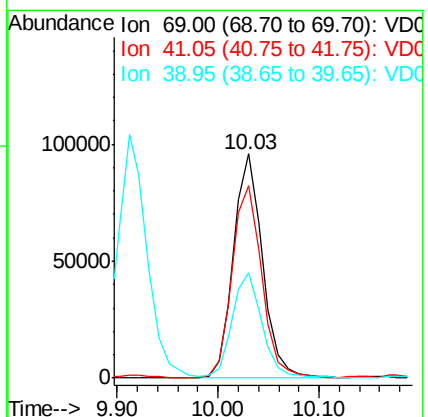
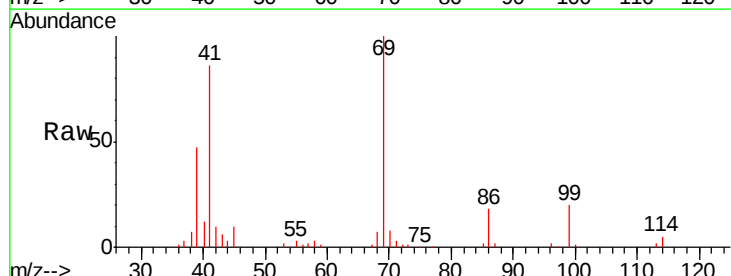
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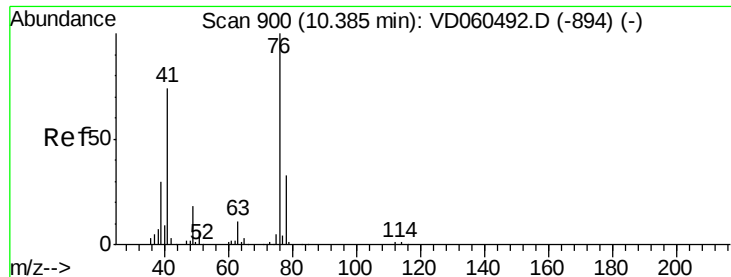
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#56
 Ethyl methacrylate
 Concen: 22.894 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	192107		
41	85.6	69.8	104.8	
39	47.1	37.5	56.3	





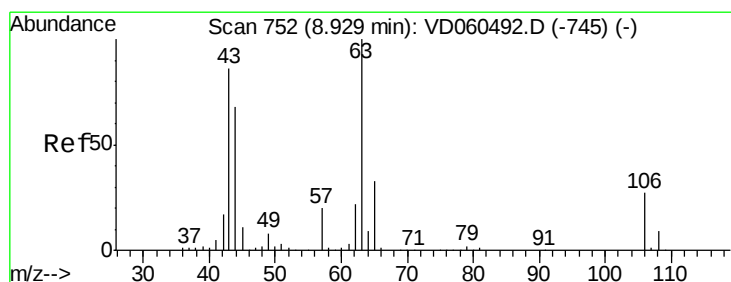
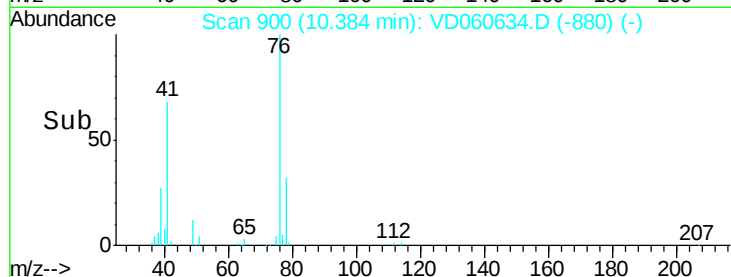
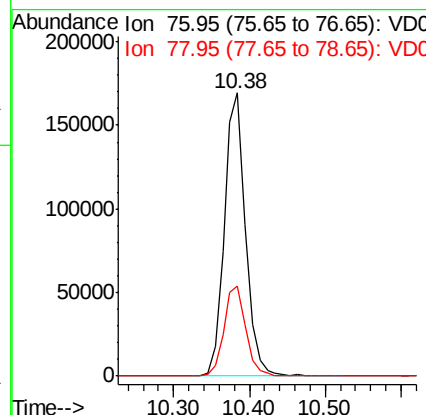
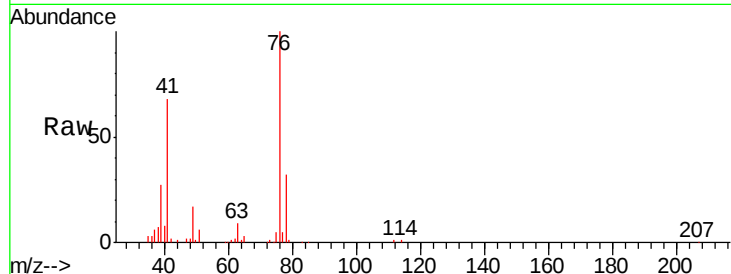
#57
 1,3-Dichloropropane
 Concen: 22.903 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1219SBS01

Tgt Ion: 76 Resp: 328267
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

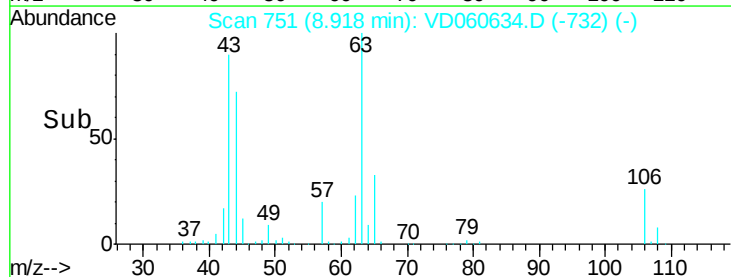
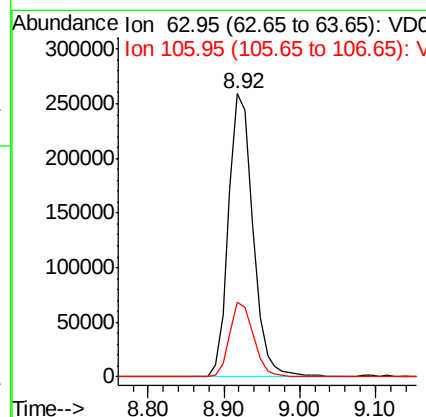
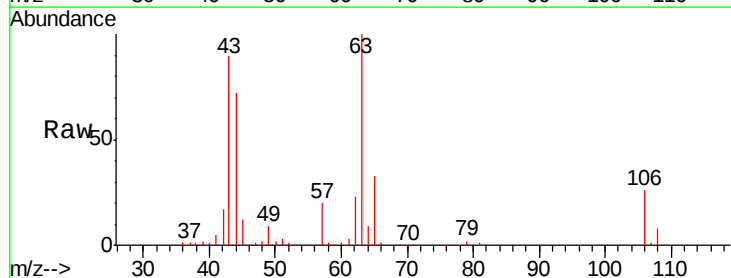
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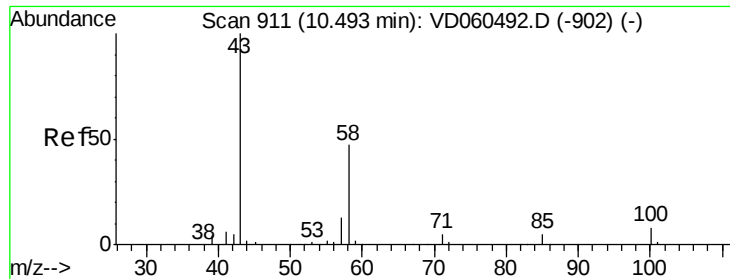
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.691 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion: 63 Resp: 580865
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.6 32.4





#59

2-Hexanone

Concen: 111.008 ug/l

RT: 10.48 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 538567

Ion Ratio Lower Upper

43 100

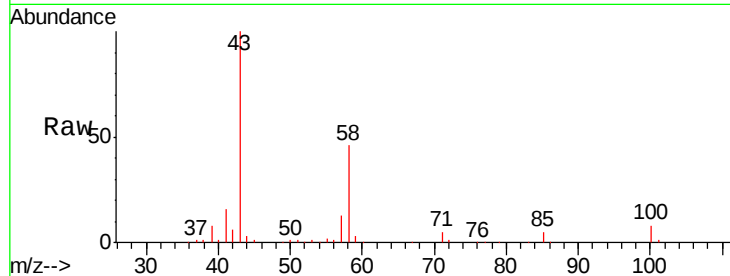
58 45.9 23.4 70.2

Manual Integrations

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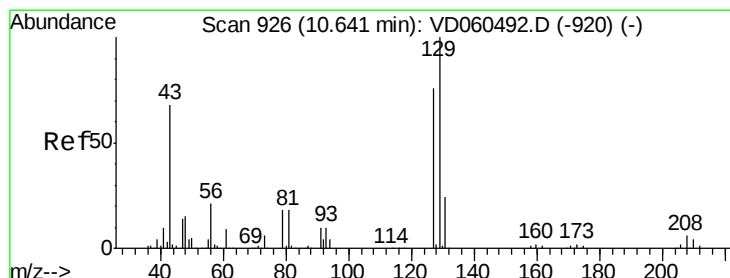
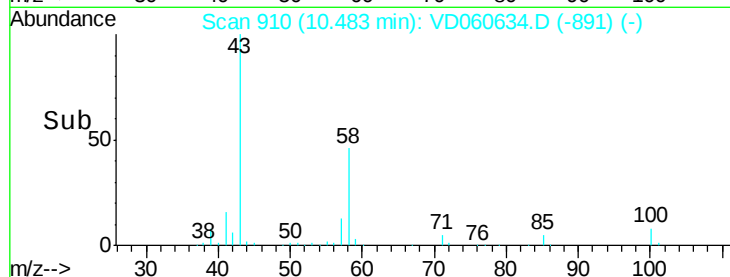
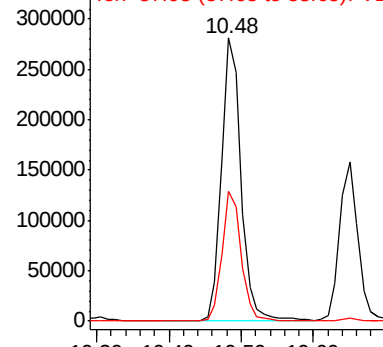
apatel

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Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V



#60

Dibromochloromethane

Concen: 23.065 ug/l

RT: 10.64 min Scan# 926

Delta R.T. -0.00 min

Lab File: VD060634.D

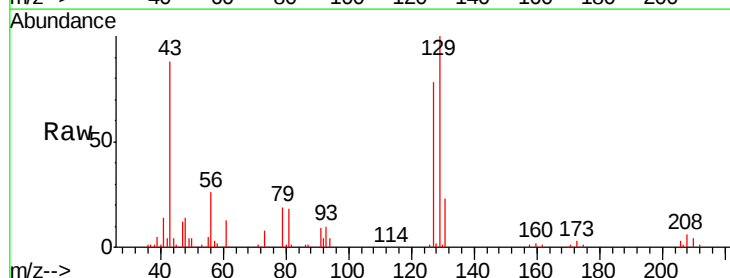
Acq: 19 Dec 2018 12:18

Tgt Ion: 129 Resp: 267376

Ion Ratio Lower Upper

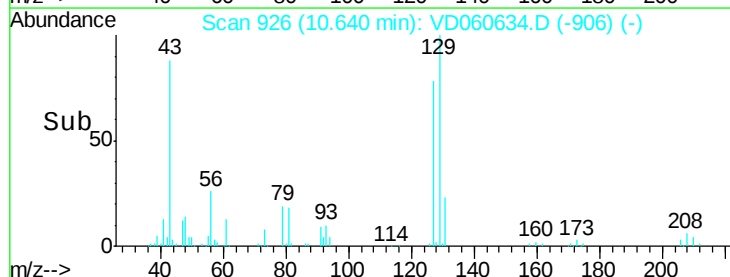
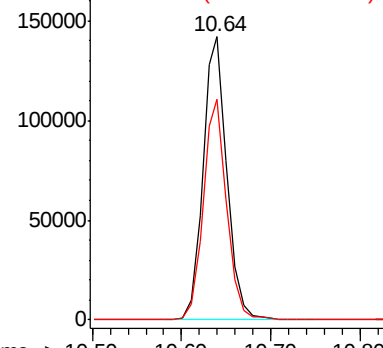
129 100

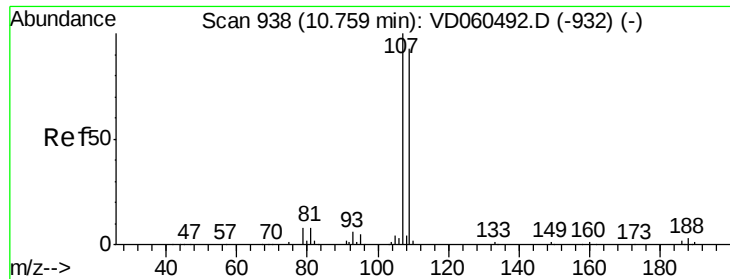
127 78.1 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





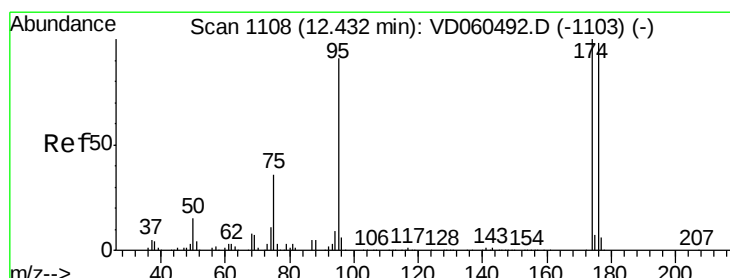
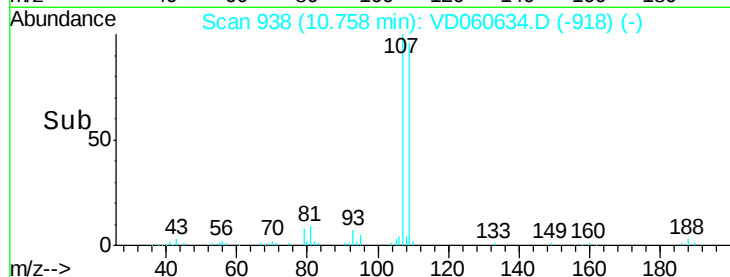
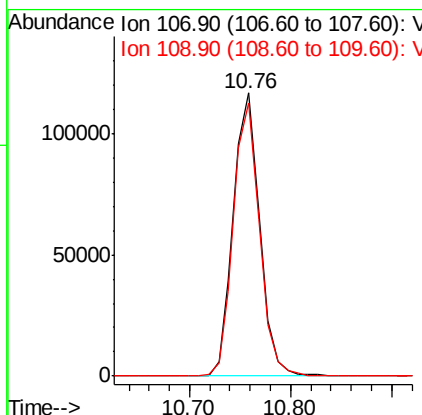
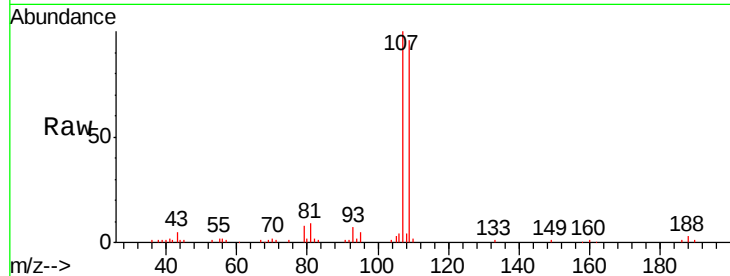
#61
1,2-Dibromoethane
Concen: 22.434 ug/l
RT: 10.76 min Scan# 938
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBSD01

Tgt Ion: 107 Resp: 211981
Ion Ratio Lower Upper
107 100
109 96.3 74.7 112.1

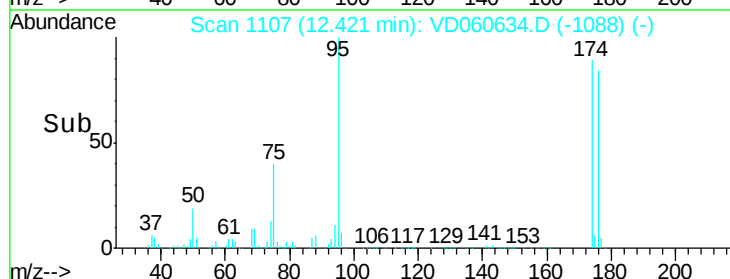
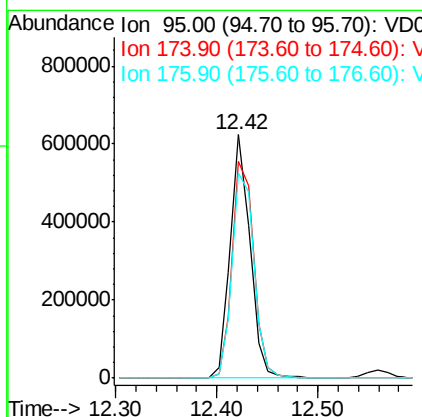
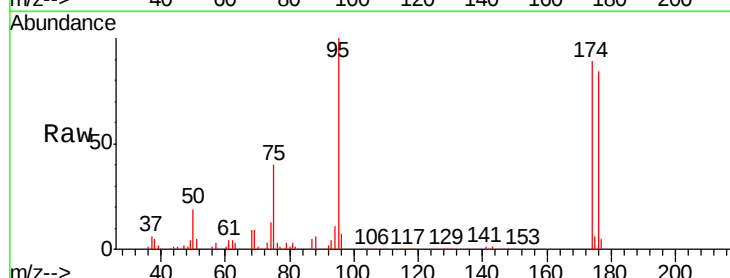
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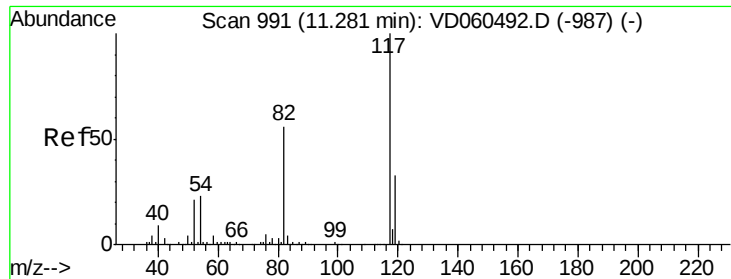
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#62
4-Bromofluorobenzene
Concen: 22.434 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 95 Resp: 850980
Ion Ratio Lower Upper
95 100
174 88.8 0.0 219.4
176 84.2 0.0 214.6





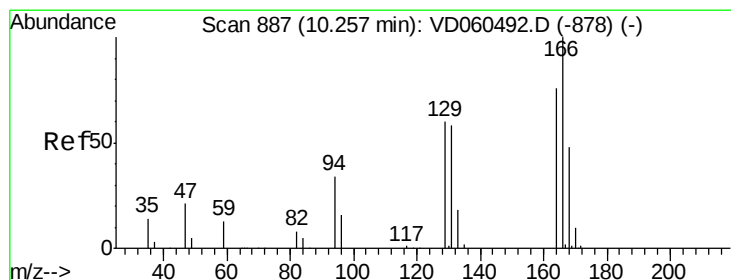
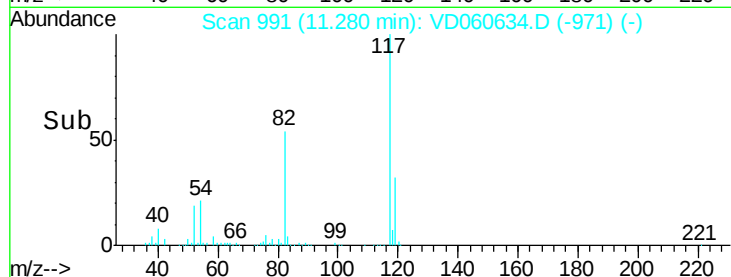
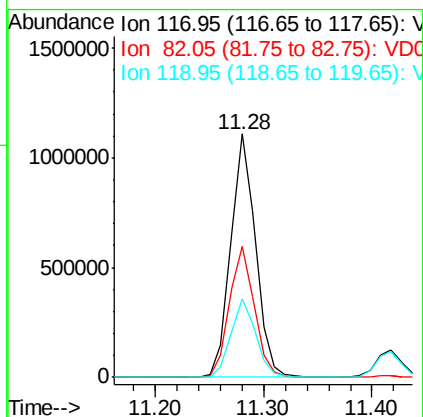
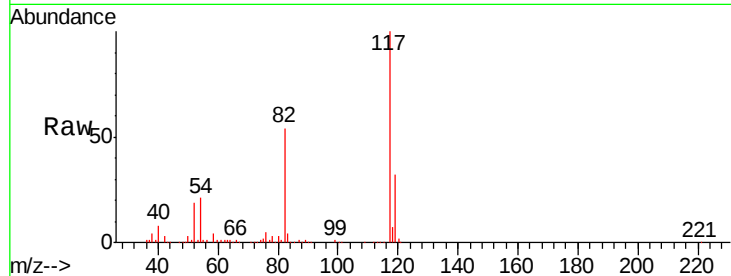
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion:117 Resp: 1771453
Ion Ratio Lower Upper
117 100
82 53.8 45.2 67.8
119 32.2 26.1 39.1

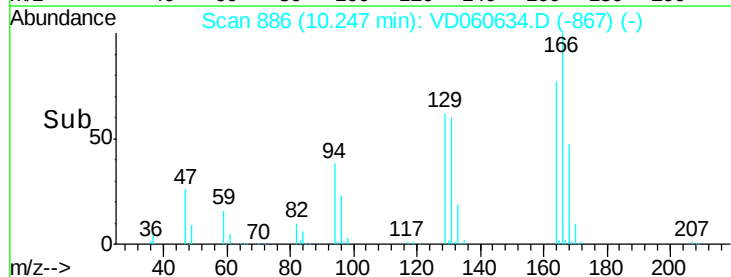
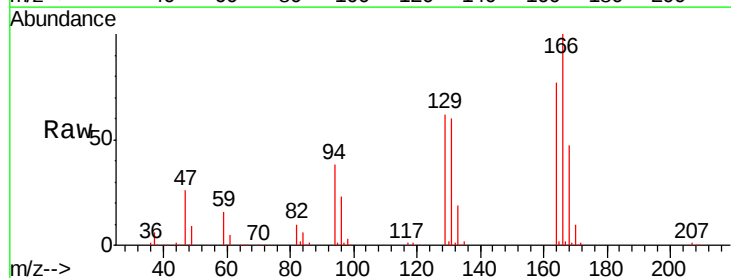
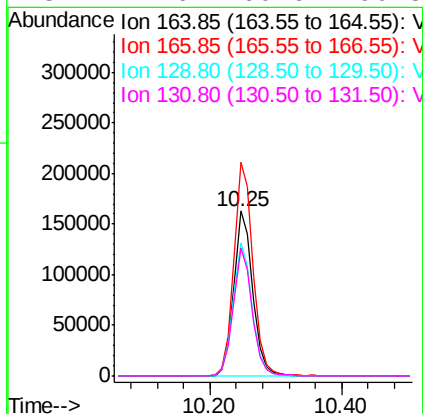
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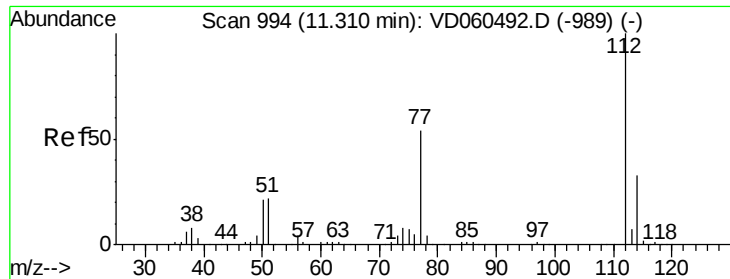
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#64
Tetrachloroethene
Concen: 20.985 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:164 Resp: 329175
Ion Ratio Lower Upper
164 100
166 129.7 105.0 157.6
129 81.0 63.0 94.4
131 77.6 60.6 90.8





#65

Chlorobenzene

Concen: 22.073 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion:112 Resp: 827214

Ion Ratio Lower Upper

112 100

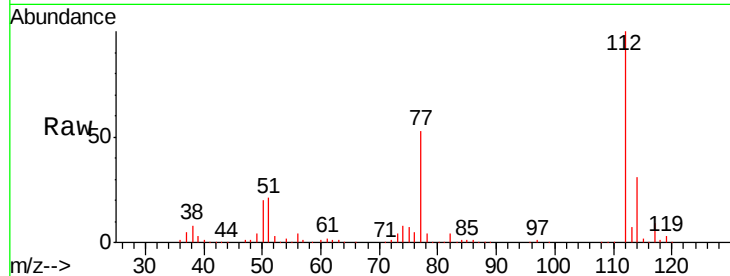
114 31.1 26.2 39.4

Manual Integrations

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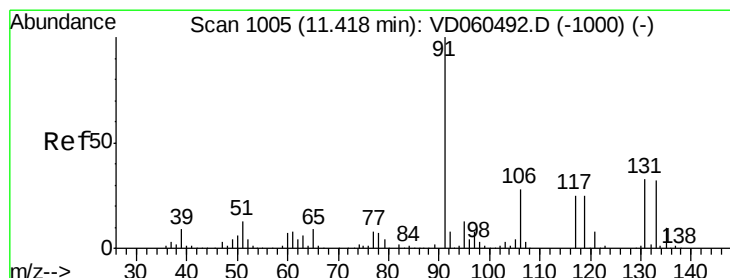
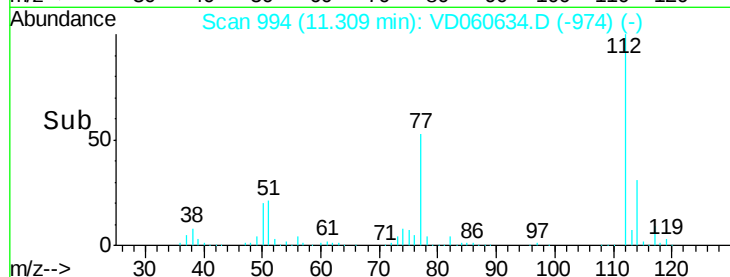
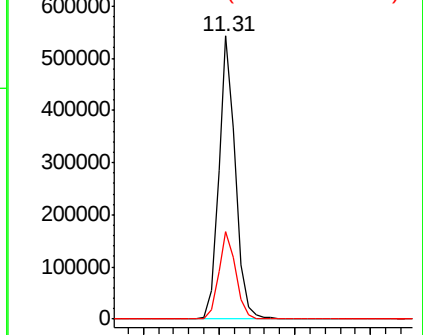
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.416 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

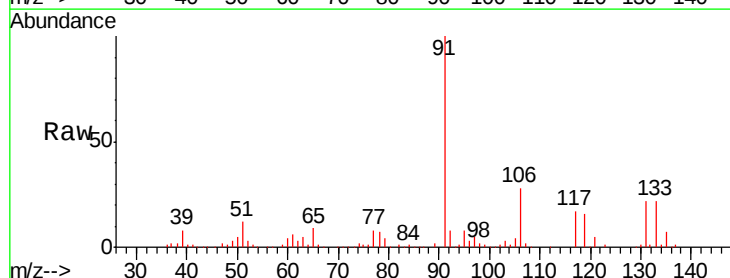
Tgt Ion:131 Resp: 270769

Ion Ratio Lower Upper

131 100

133 98.8 49.1 147.3

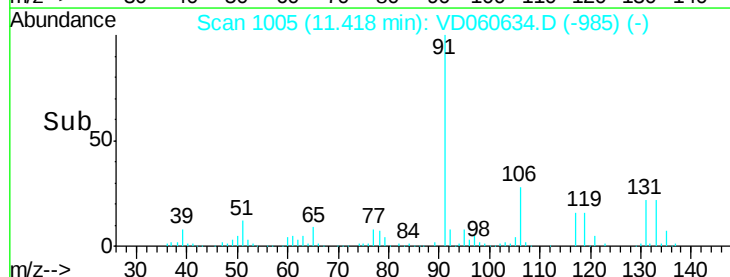
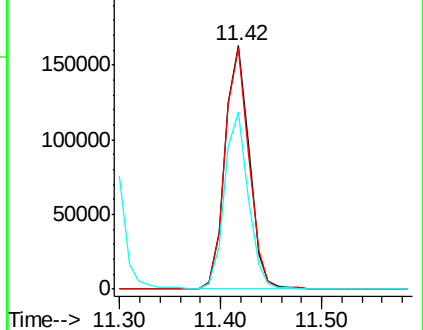
119 72.7 37.5 112.3

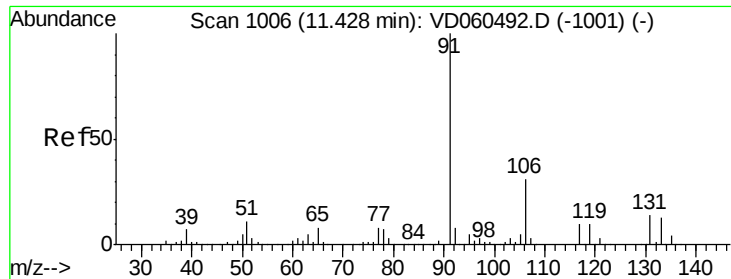


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





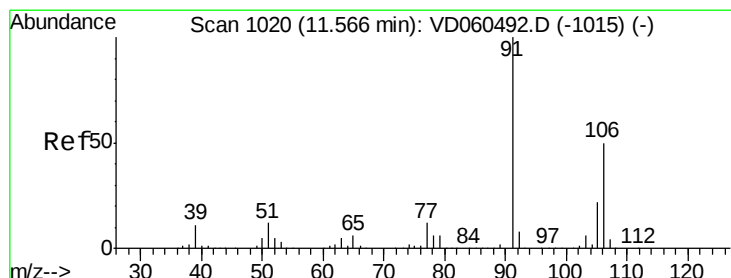
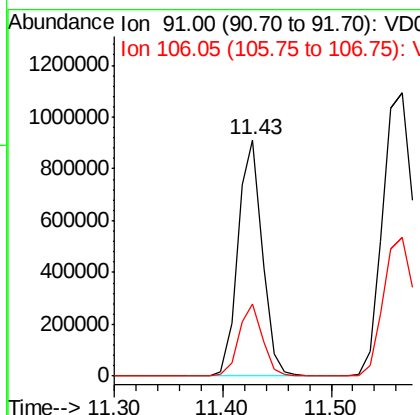
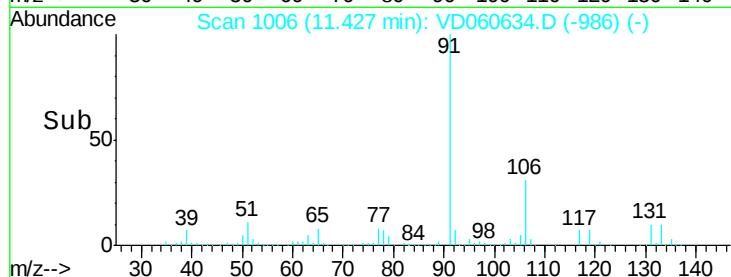
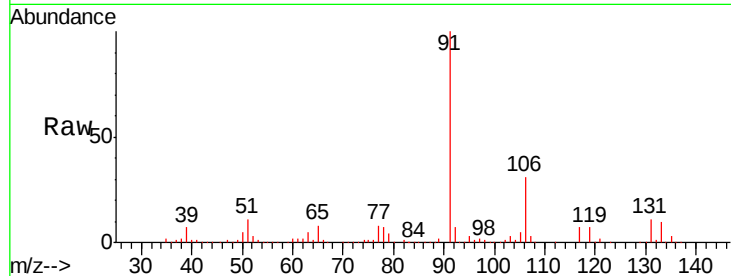
#67
Ethyl Benzene
Concen: 22.285 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 91 Resp: 1424503
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0

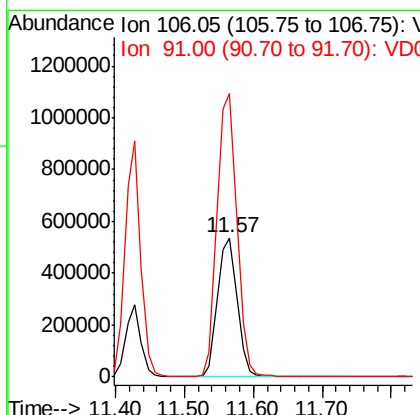
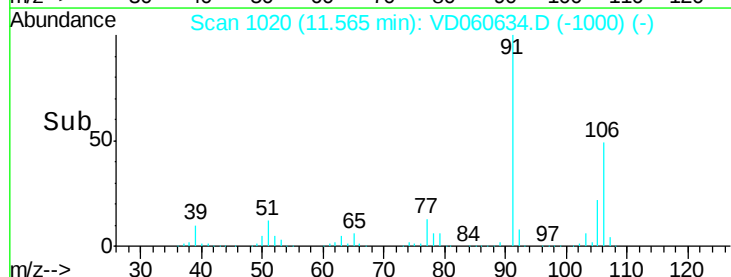
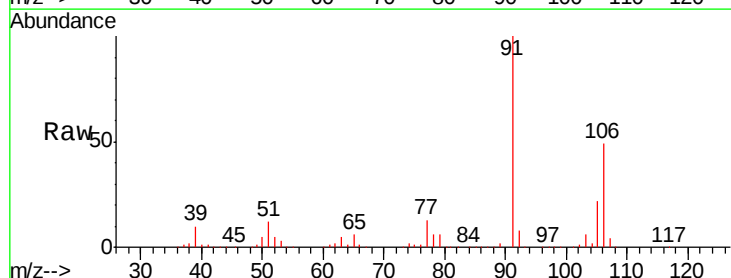
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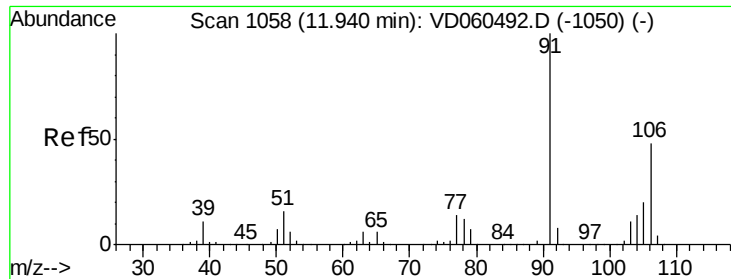
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#68
m/p-Xylenes
Concen: 45.126 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 106 Resp: 1067175
Ion Ratio Lower Upper
106 100
91 203.1 160.5 240.7





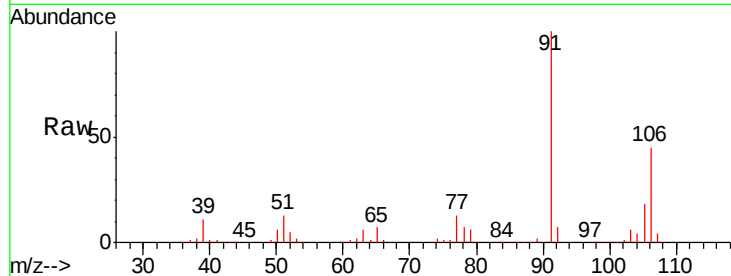
#69
o-Xylene
Concen: 21.854 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

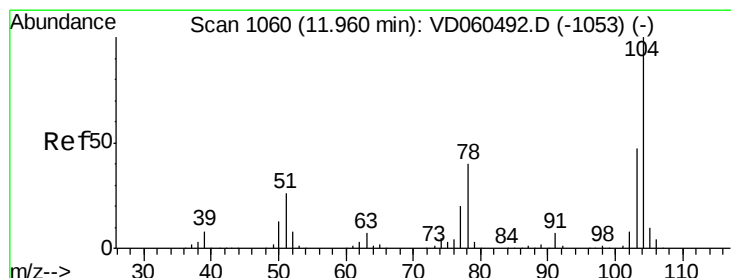
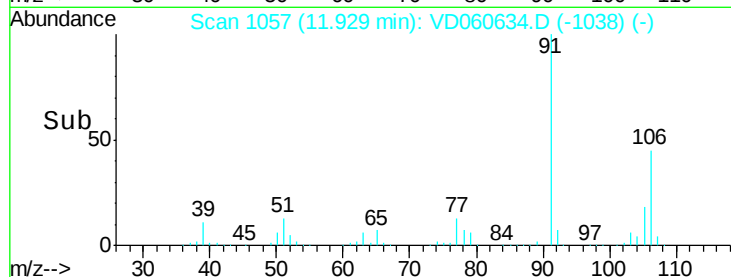
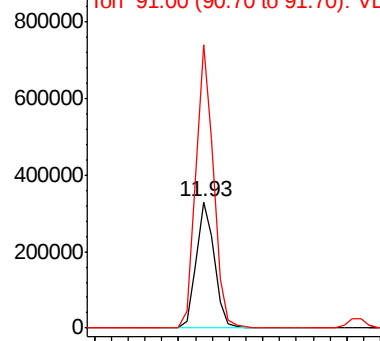
Tgt Ion:106 Resp: 492538
Ion Ratio Lower Upper
106 100
91 224.4 103.4 310.1

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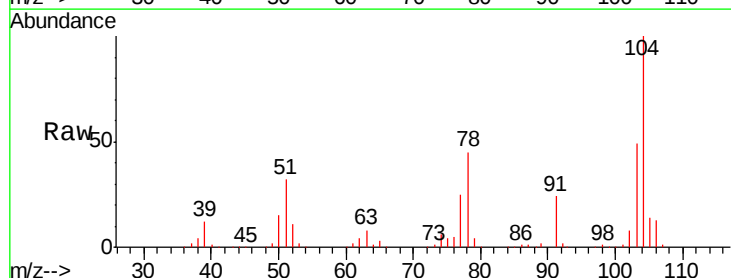


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

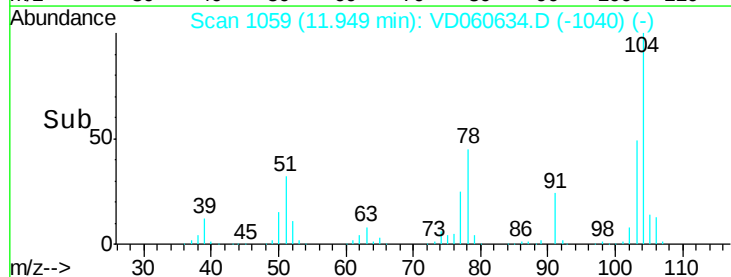
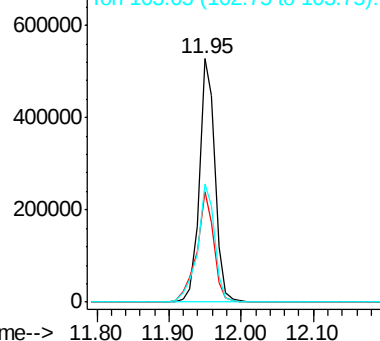


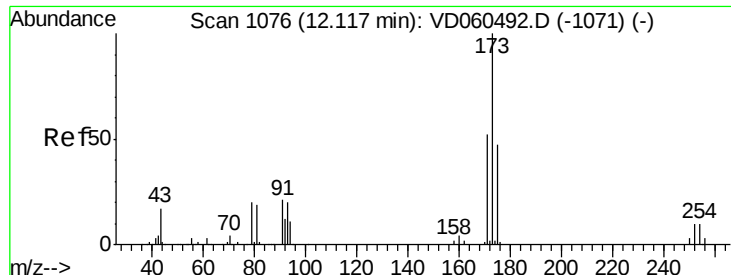
#70
Styrene
Concen: 21.834 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion:104 Resp: 789864
Ion Ratio Lower Upper
104 100
78 45.2 32.1 48.1
103 48.7 37.2 55.8



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: 21.271 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

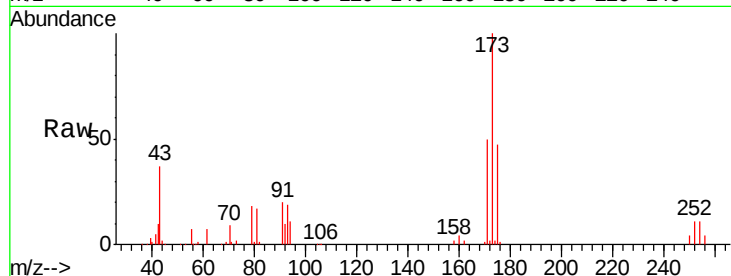
ClientSampleId :

VD1219SBS01

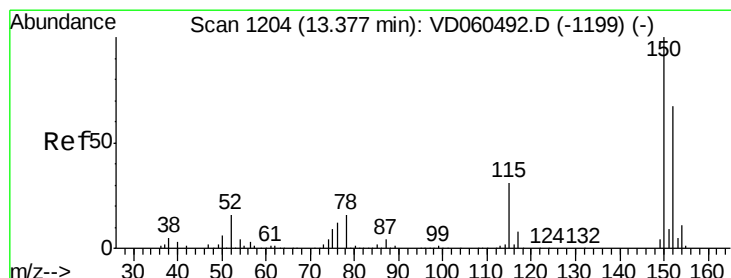
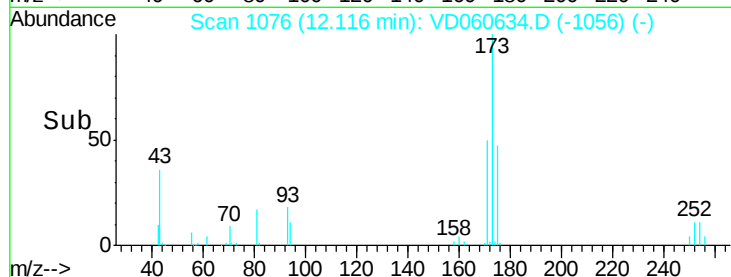
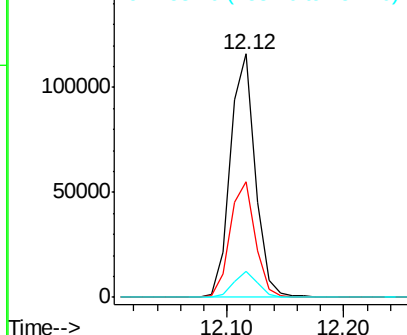
Tgt Ion:	173	Resp:	171419
Ion Ratio	Lower	Upper	
173	100		
175	47.3	23.5	70.6
254	10.6	7.8	11.8

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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

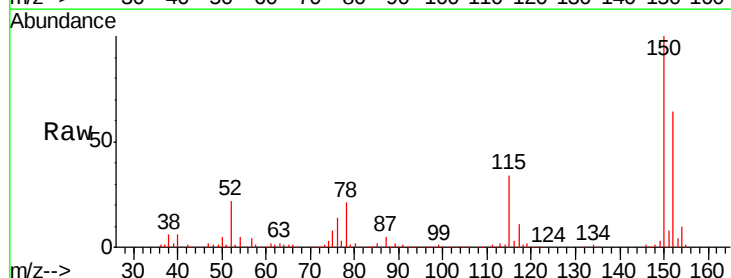
RT: 13.37 min Scan# 1203

Delta R.T. -0.01 min

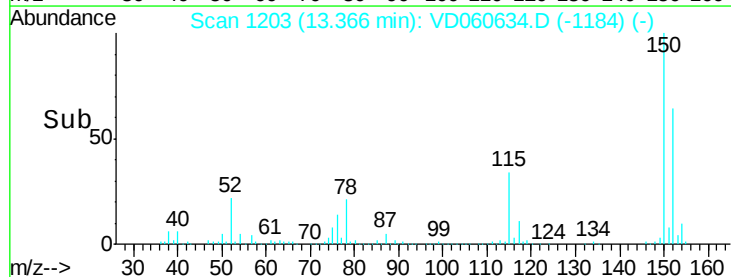
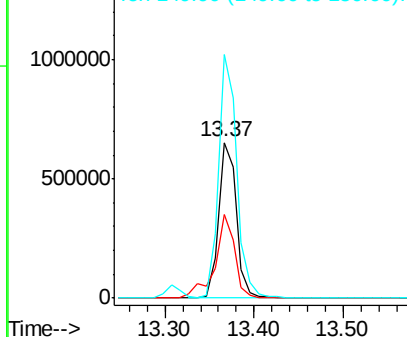
Lab File: VD060634.D

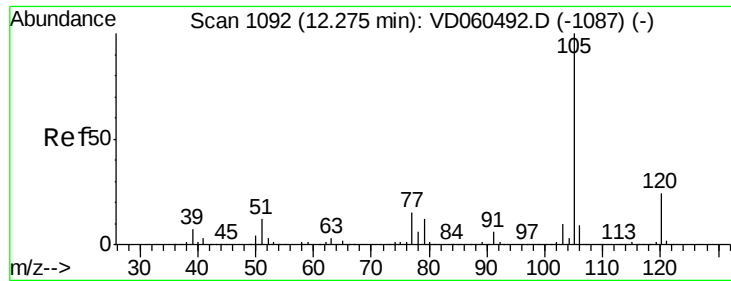
Acq: 19 Dec 2018 12:18

Tgt Ion:	152	Resp:	913623
Ion Ratio	Lower	Upper	
152	100		
115	53.9	24.6	74.0
150	156.6	0.0	309.0



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: 21.061 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBSD01

Tgt Ion: 105 Resp: 1361597

Ion Ratio Lower Upper

105 100

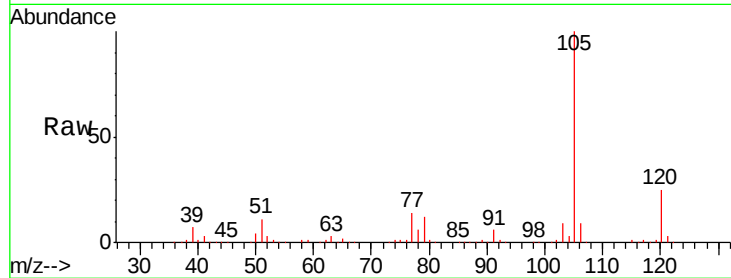
120 24.8 11.9 35.9

Manual Integrations

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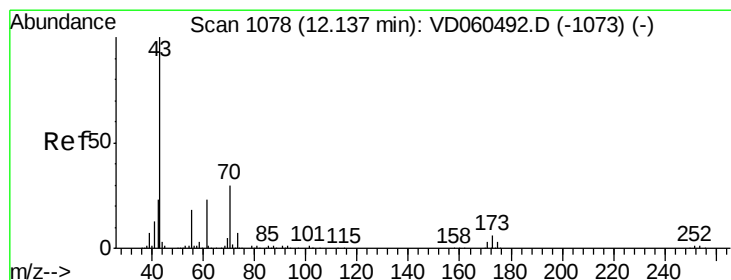
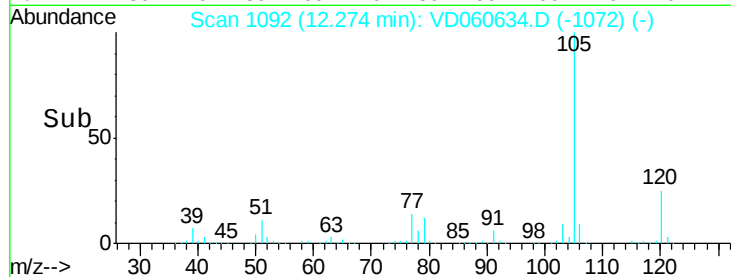
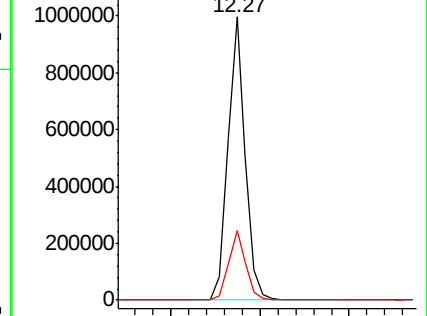
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.593 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion: 43 Resp: 321769

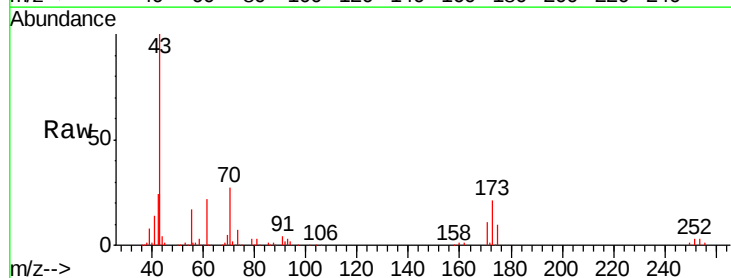
Ion Ratio Lower Upper

43 100

70 26.7 23.8 35.8

55 17.2 14.2 21.2

61 22.3 18.1 27.1

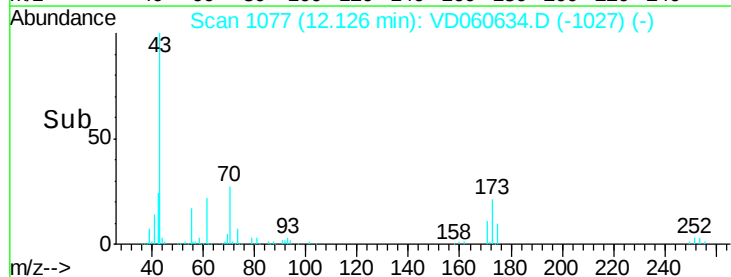
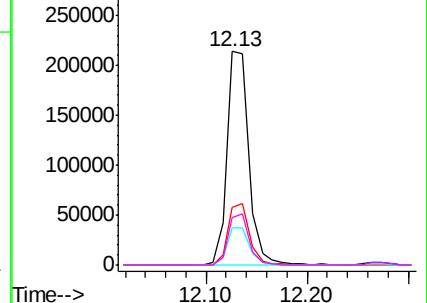


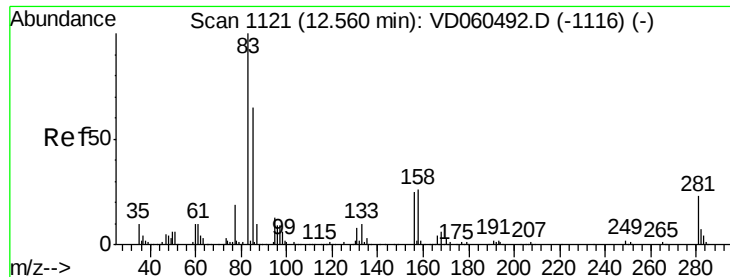
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.767 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 83 Resp: 225296

Ion Ratio Lower Upper

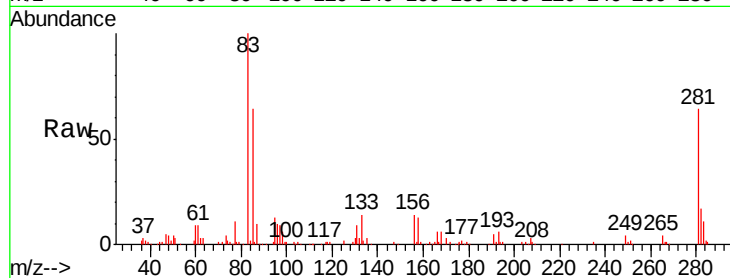
83 100

131 8.9 3.8 11.4

85 63.7 32.3 96.9

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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

12.56

200000

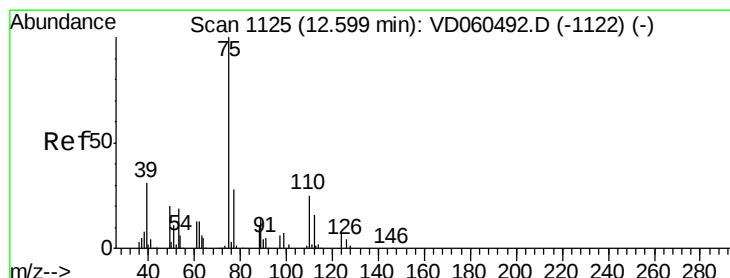
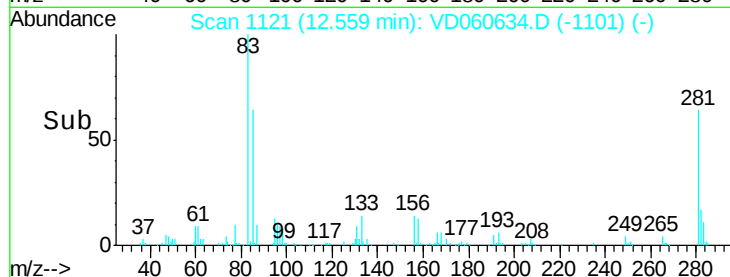
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.169 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060634.D

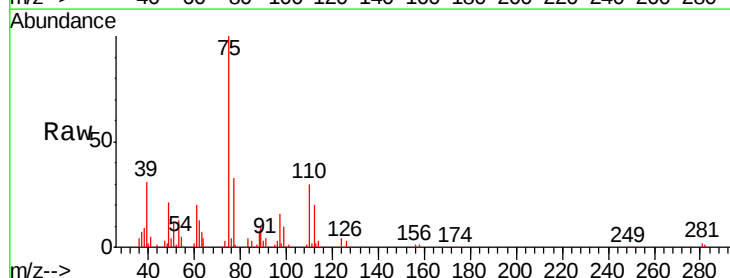
Acq: 19 Dec 2018 12:18

Tgt Ion: 75 Resp: 219144

Ion Ratio Lower Upper

75 100

77 33.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

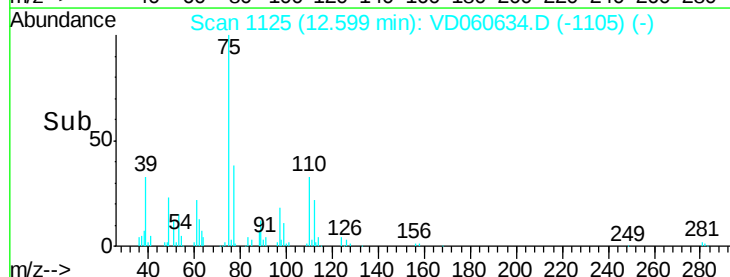
300000

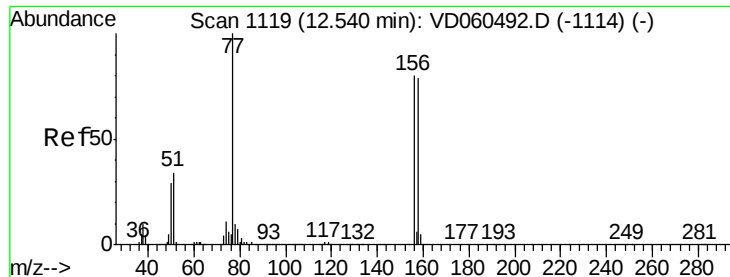
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 21.180 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

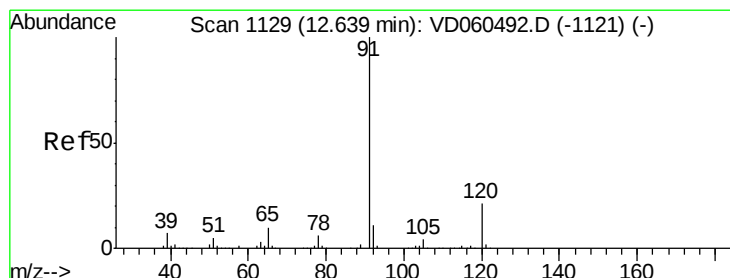
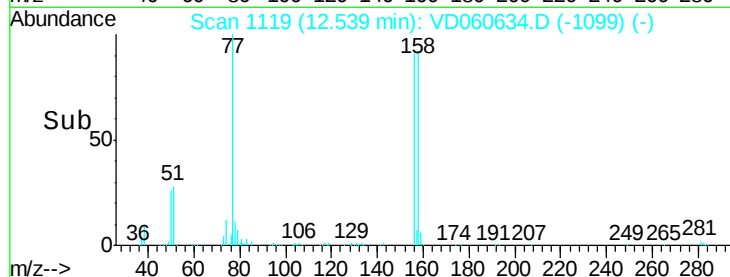
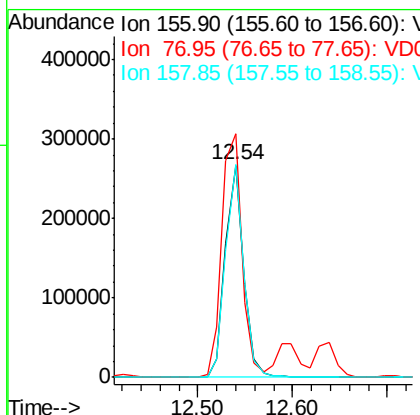
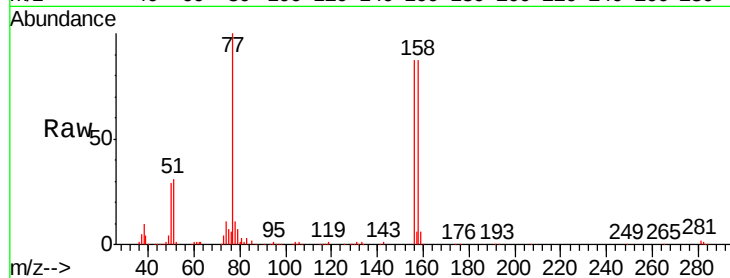
ClientSampleId :

VD1219SBS01

Tgt Ion:	156	Resp:	359935
Ion Ratio	Lower	Upper	
156	100		
77	115.0	62.5	187.6
158	100.5	49.4	148.2

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#78

n-propylbenzene

Concen: 22.023 ug/l

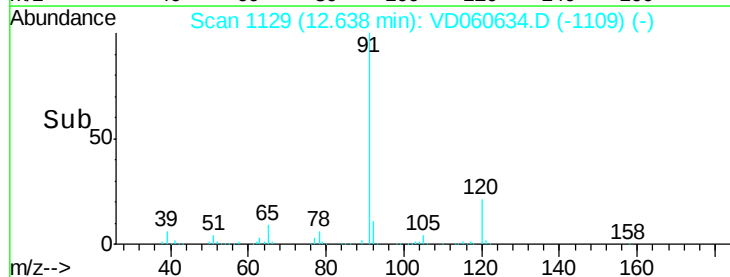
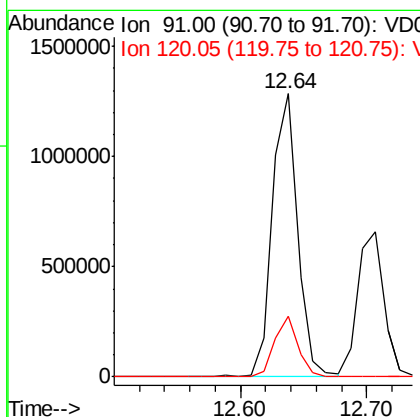
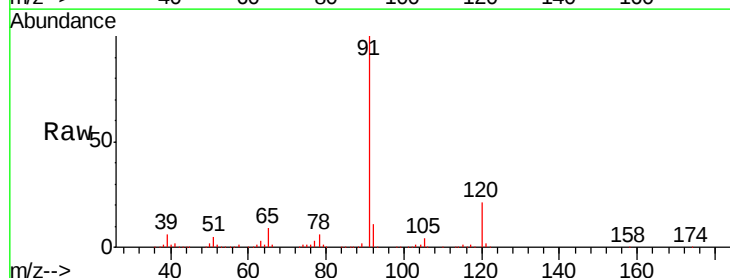
RT: 12.64 min Scan# 1129

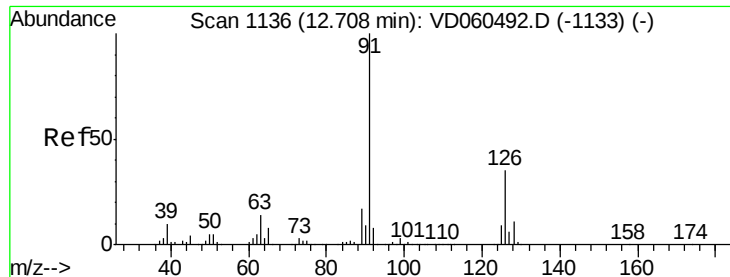
Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Tgt Ion:	91	Resp:	1799839
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.4	31.1





#79

2-Chlorotoluene

Concen: 21.668 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 91 Resp: 960894

Ion Ratio Lower Upper

91 100

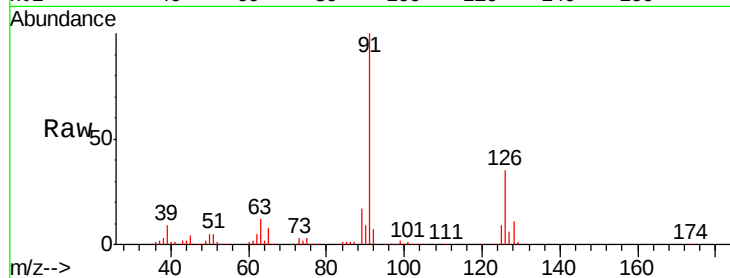
126 34.9 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD060634.D (-1136) (-)

Ion 125.95 (125.65 to 126.65): VD060634.D (-1136) (-)

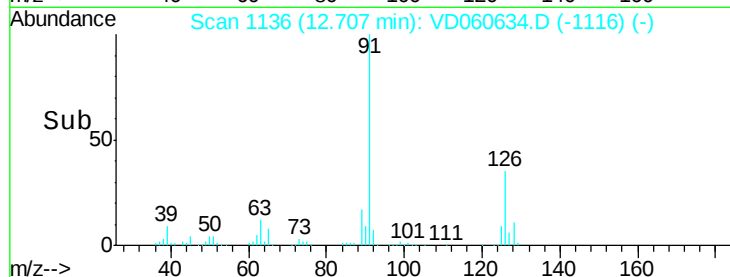
1500000

1000000

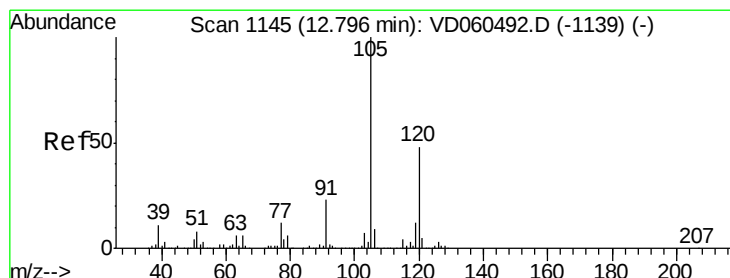
500000

0

12.65 12.70 12.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.265 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060634.D

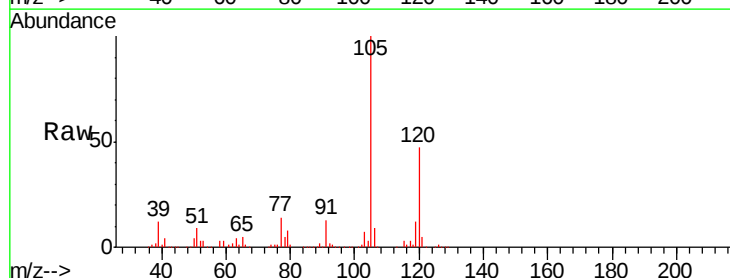
Acq: 19 Dec 2018 12:18

Tgt Ion: 105 Resp: 1099929

Ion Ratio Lower Upper

105 100

120 46.6 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): VD060634.D (-1125) (-)

Ion 120.05 (119.75 to 120.75): VD060634.D (-1125) (-)

800000

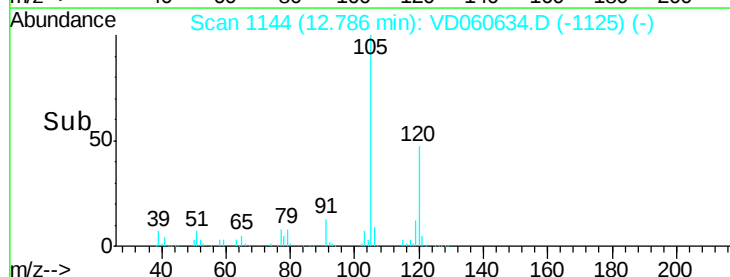
600000

400000

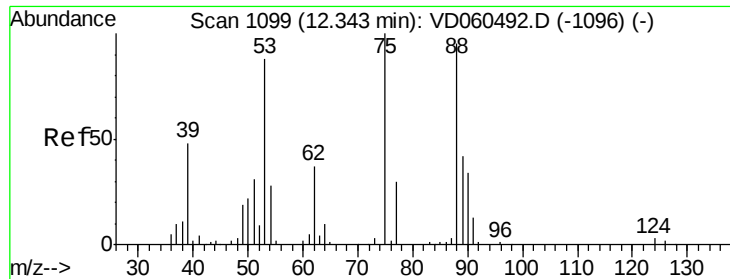
200000

0

12.70 12.80 12.90



Time-->



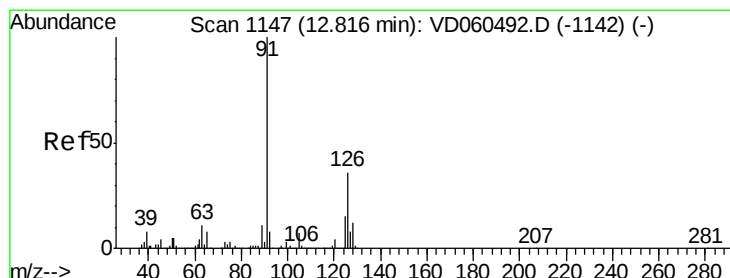
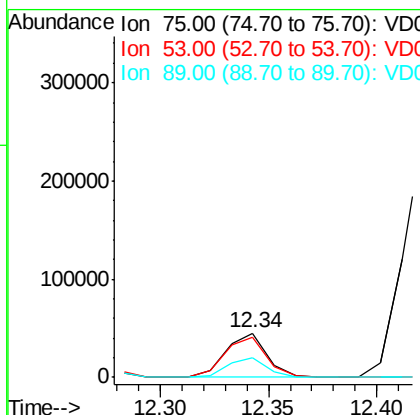
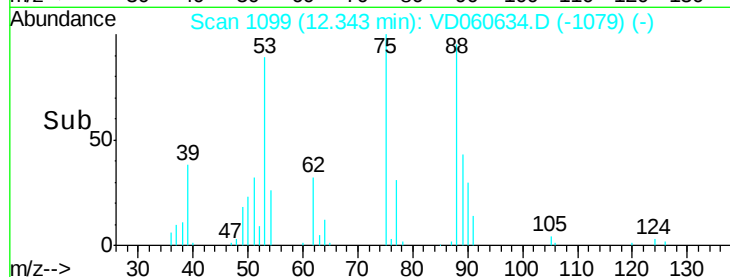
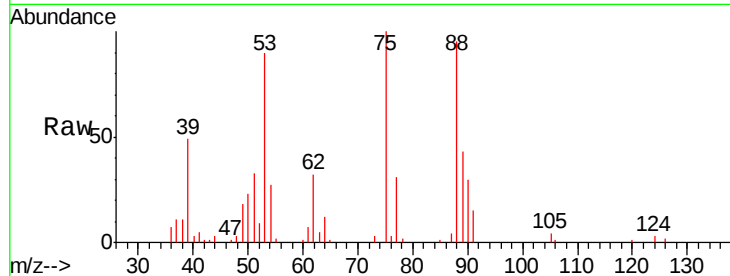
#81
trans-1,4-Dichloro-2-butene
Concen: 20.583 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.5	70.5	105.7
89	42.9	33.6	50.4

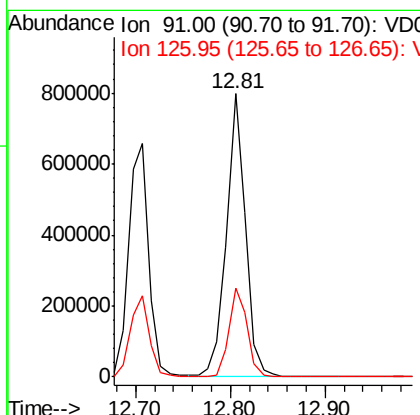
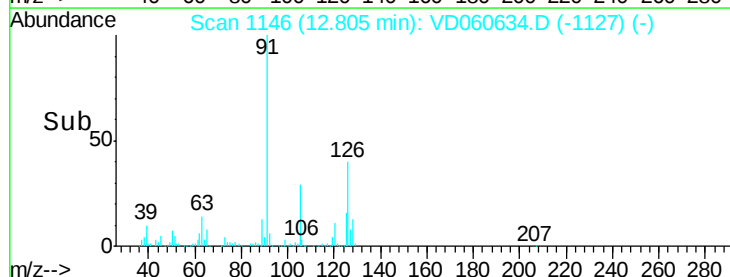
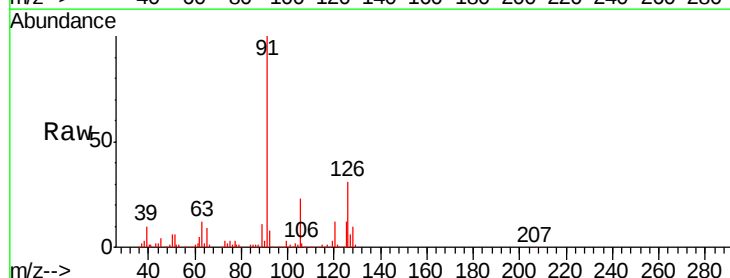
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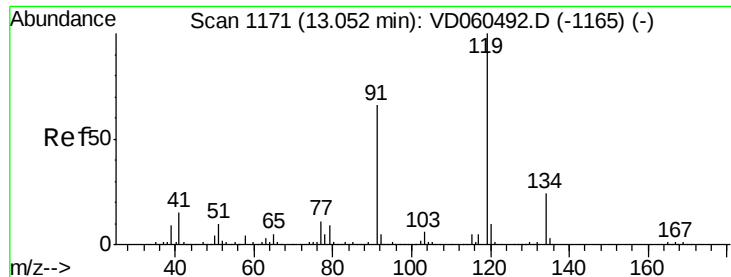
apatel
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#82
4-Chlorotoluene
Concen: 22.112 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	17.8	53.4





#83

tert-Butylbenzene

Concen: 22.409 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VD060634.D

Acq: 19 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion:119 Resp: 1241259

Ion Ratio Lower Upper

119 100

91 72.2 33.1 99.2

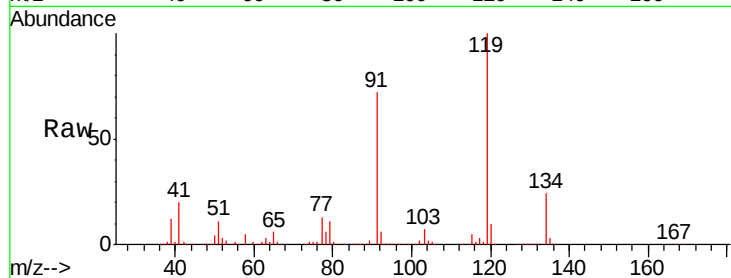
134 23.8 12.0 36.0

Manual Integrations

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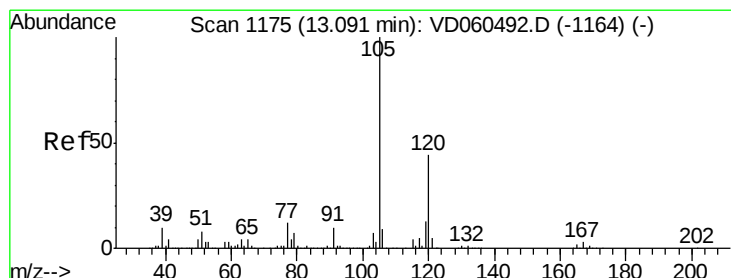
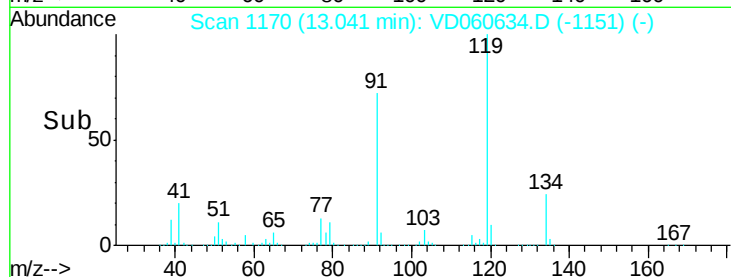
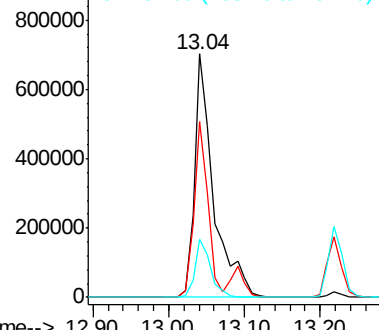
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.359 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060634.D

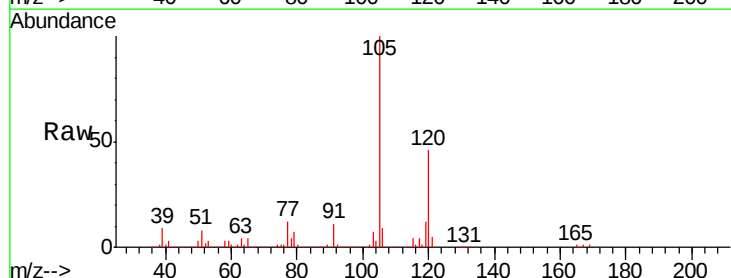
Acq: 19 Dec 2018 12:18

Tgt Ion:105 Resp: 1092582

Ion Ratio Lower Upper

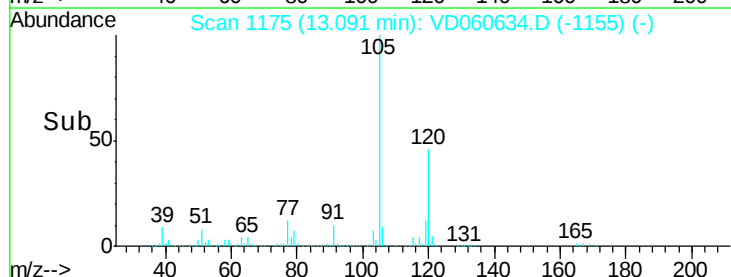
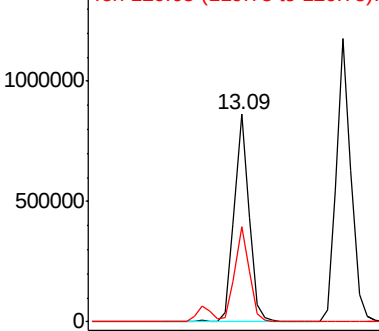
105 100

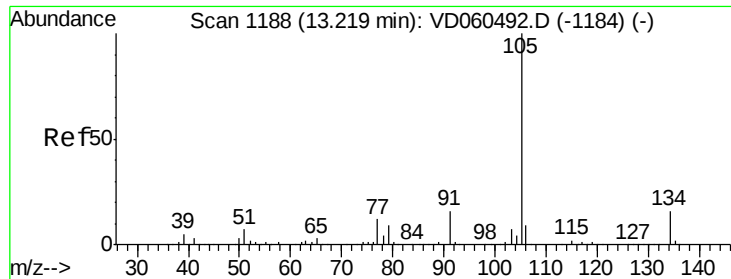
120 45.9 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





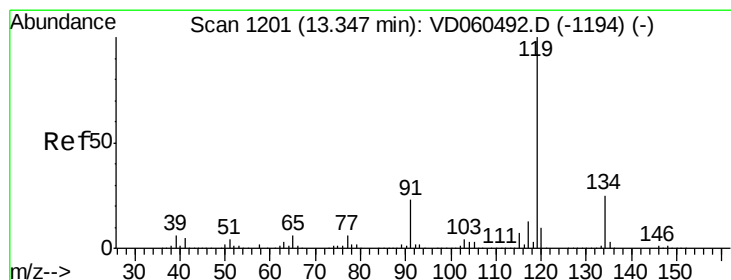
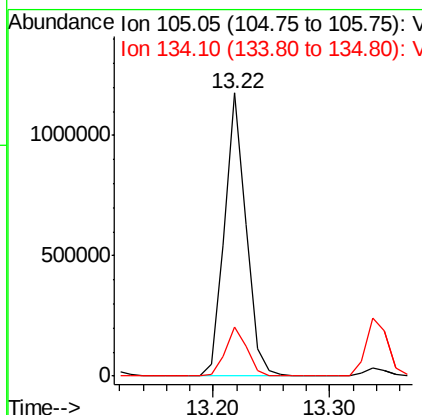
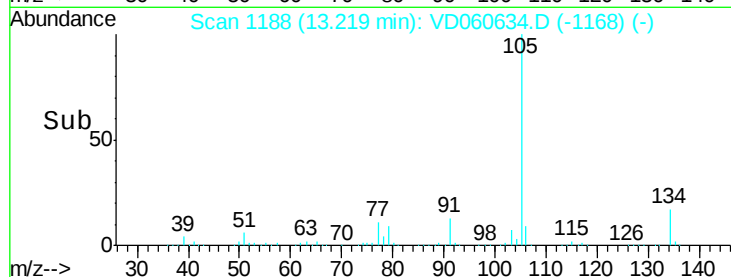
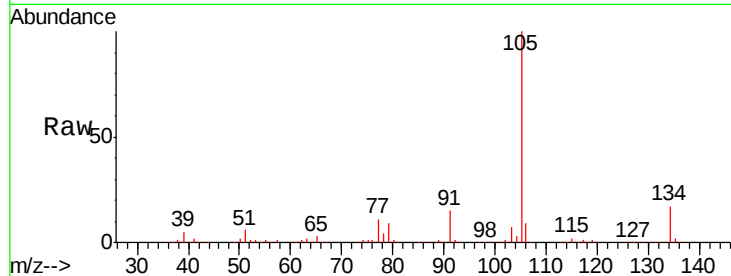
#85
 sec-Butylbenzene
 Concen: 21.796 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBSD01

Tgt Ion:105 Resp: 1504711
 Ion Ratio Lower Upper
 105 100
 134 17.4 7.9 23.7

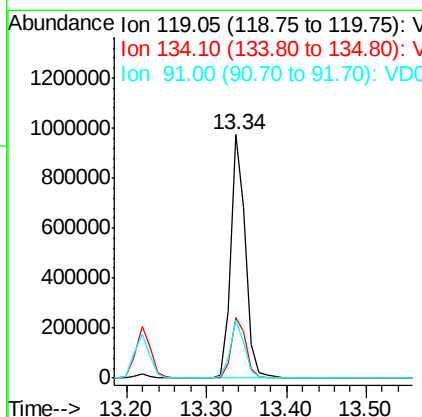
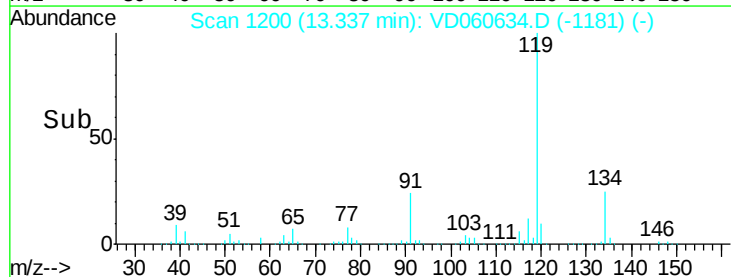
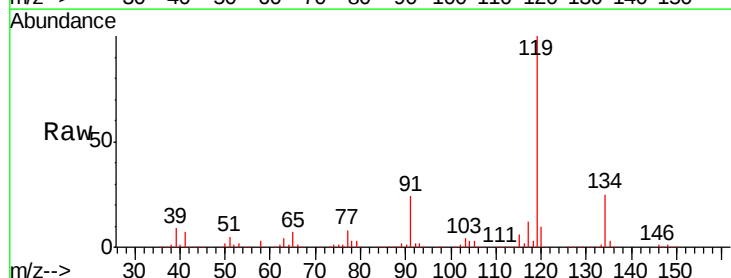
Manual Integrations
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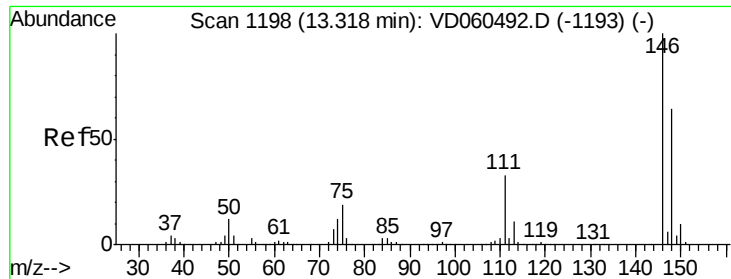
apatel
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#86
 p-Isopropyltoluene
 Concen: 22.791 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion:119 Resp: 1247277
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 24.1 11.5 34.4





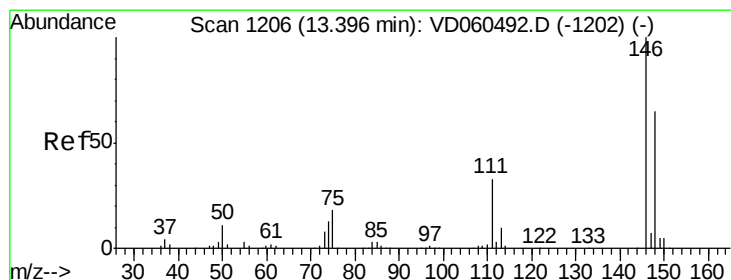
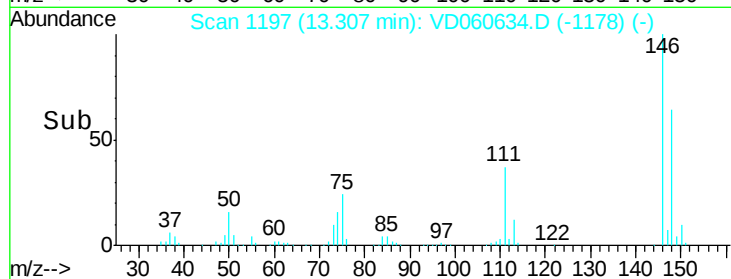
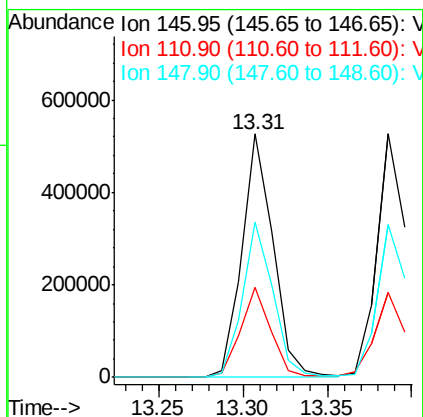
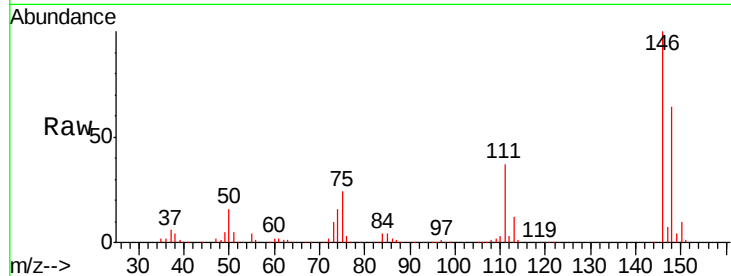
#87
 1,3-Dichlorobenzene
 Concen: 21.929 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	16.5	49.5
148	63.9	32.3	96.8

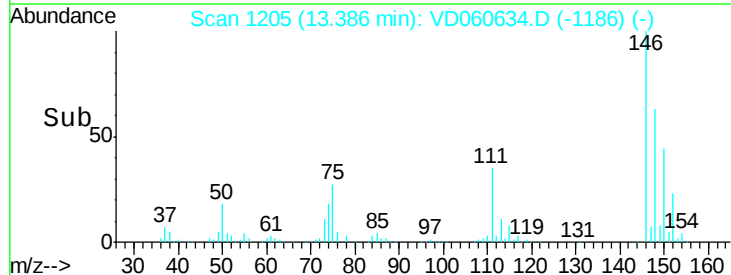
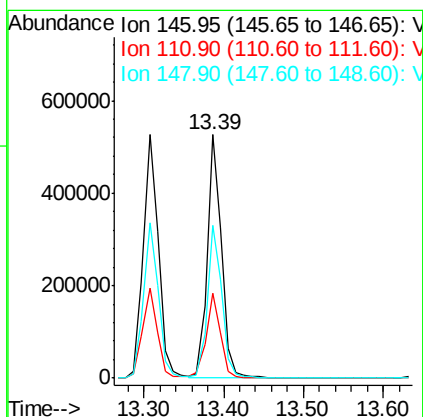
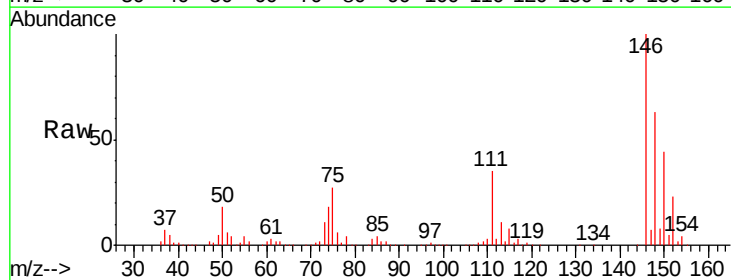
Manual Integrations
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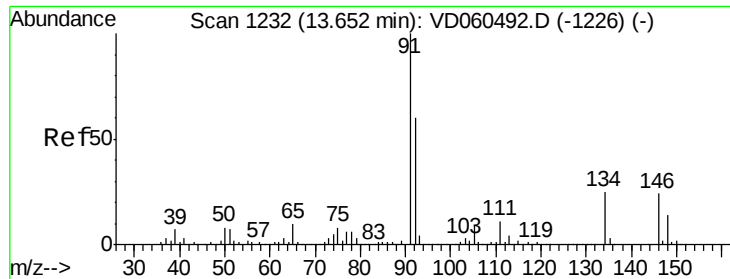
apatel
 12/20/2018 12:00:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.698 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	16.4	49.1
148	62.8	32.6	98.0





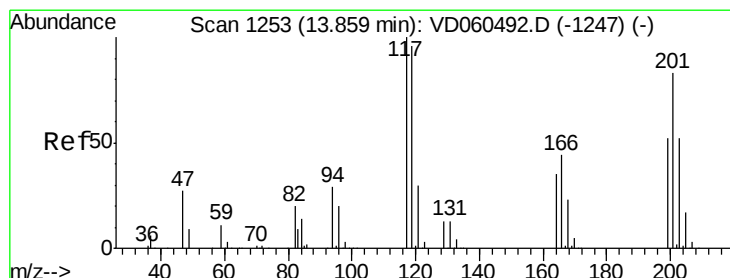
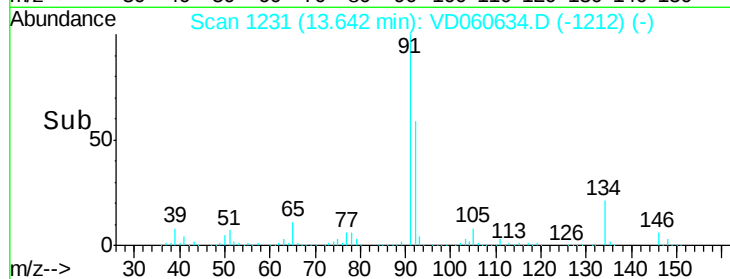
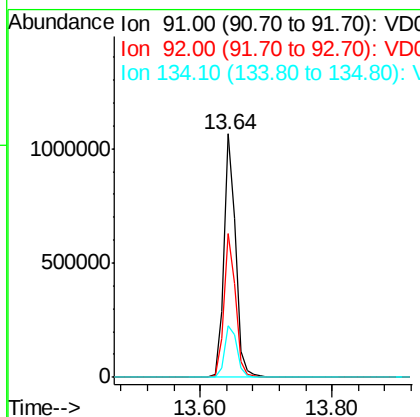
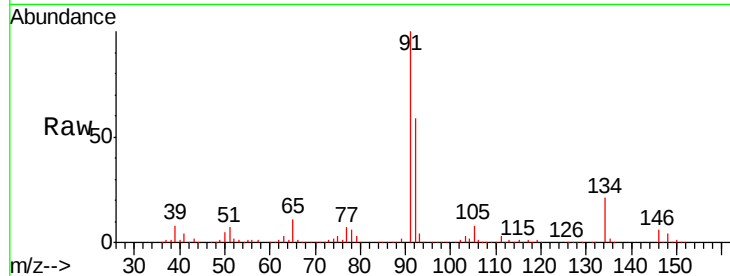
#89
n-Butylbenzene
Concen: 21.793 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 91 Resp: 1318930
Ion Ratio Lower Upper
91 100
92 59.1 30.0 90.1
134 21.2 12.5 37.5

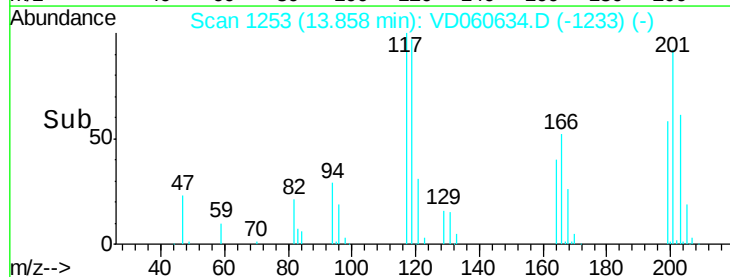
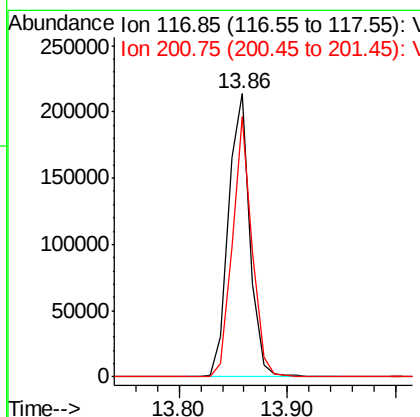
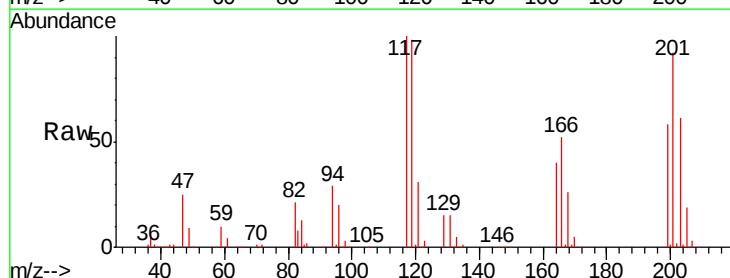
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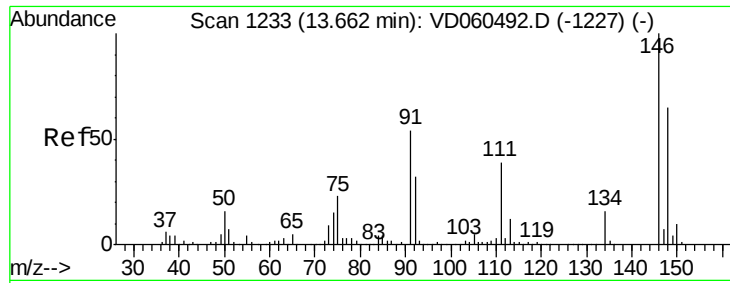
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#90
Hexachloroethane
Concen: 21.355 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion: 117 Resp: 293021
Ion Ratio Lower Upper
117 100
201 92.0 41.3 123.9





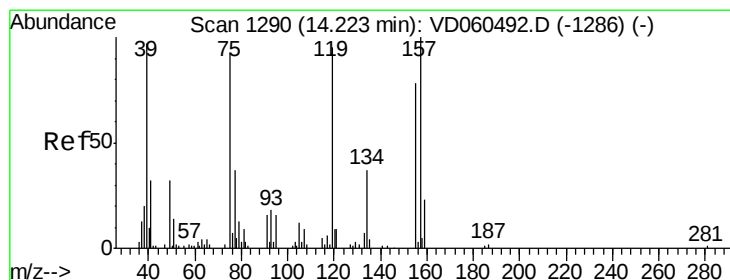
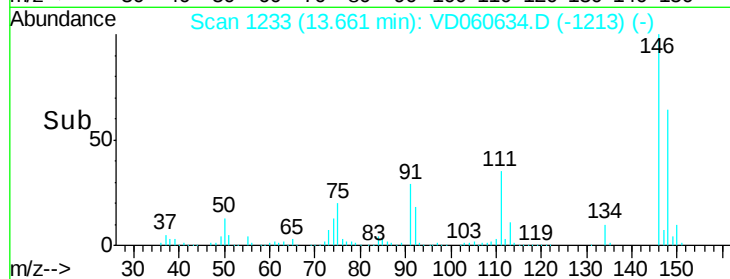
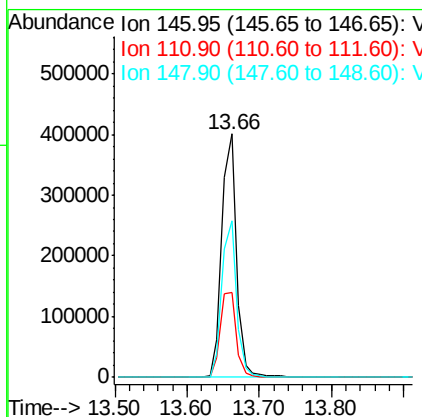
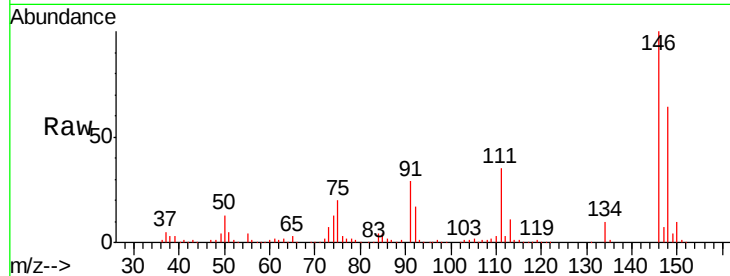
#91
 1,2-Dichlorobenzene
 Concen: 22.333 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.3	57.8
148	64.5	32.3	96.8

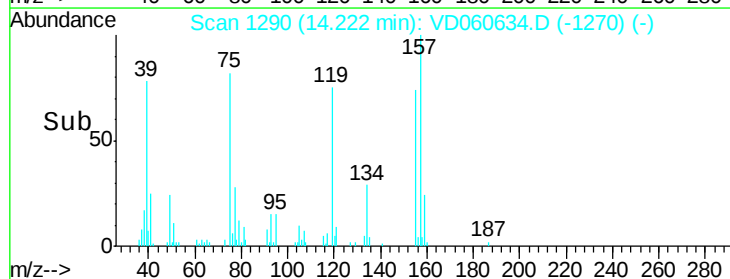
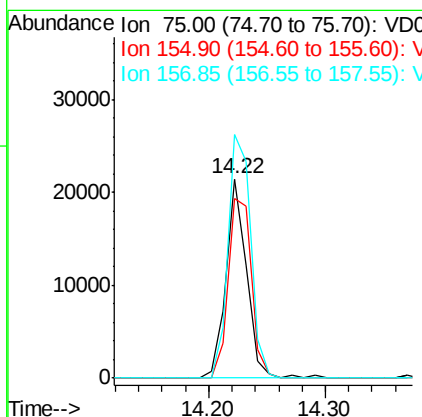
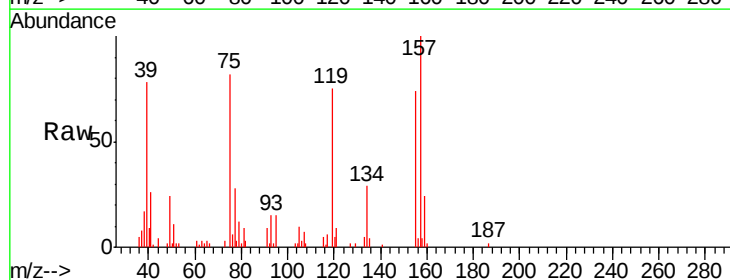
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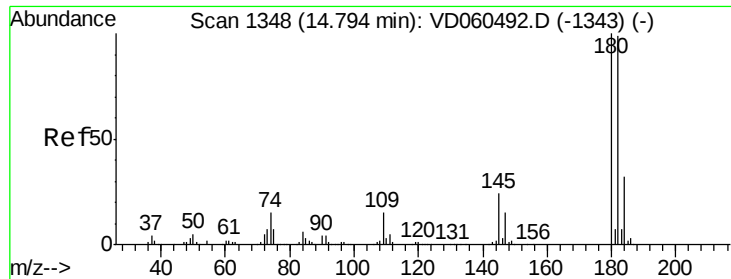
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.929 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	41.6	124.9
157	122.4	53.6	160.8





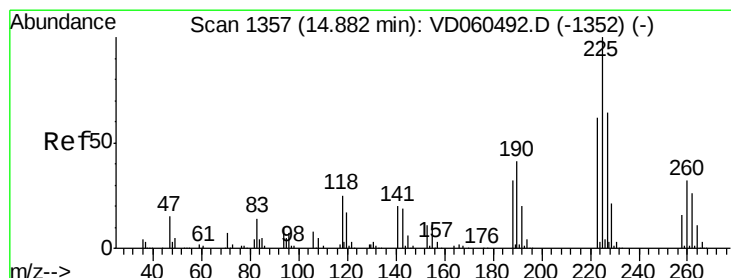
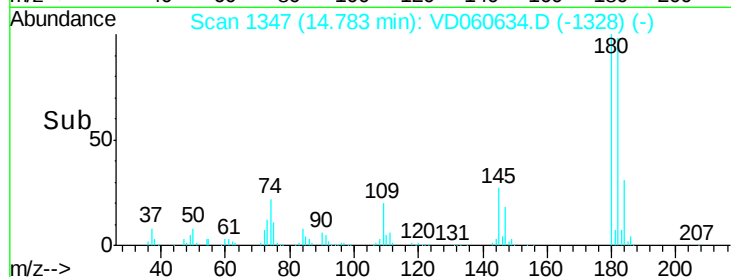
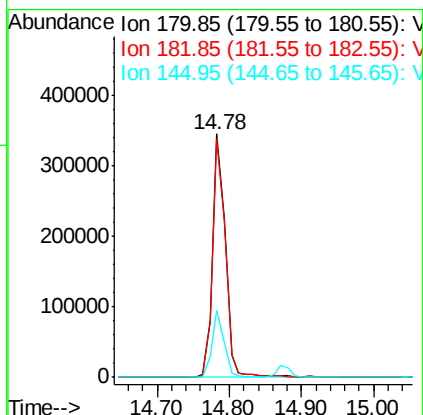
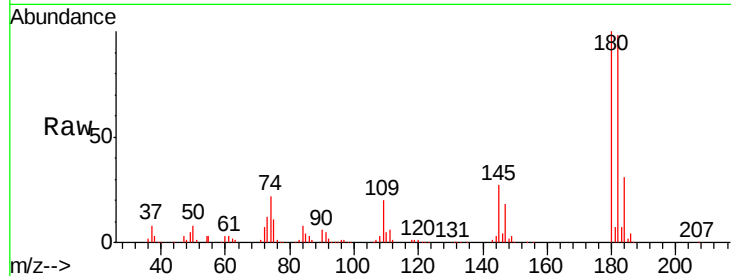
#93
 1,2,4-Trichlorobenzene
 Concen: 21.596 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	424503		
182	97.8	49.4	148.0	
145	27.3	11.9	35.9	

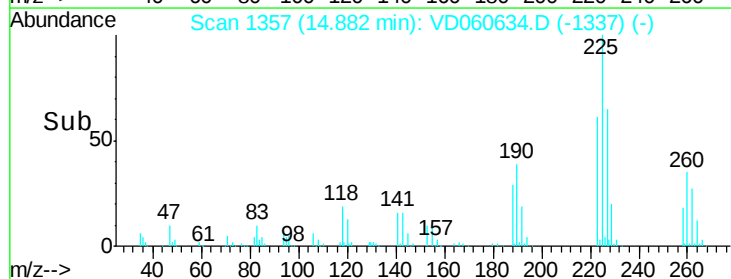
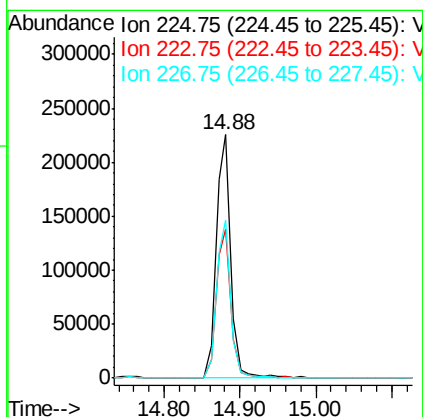
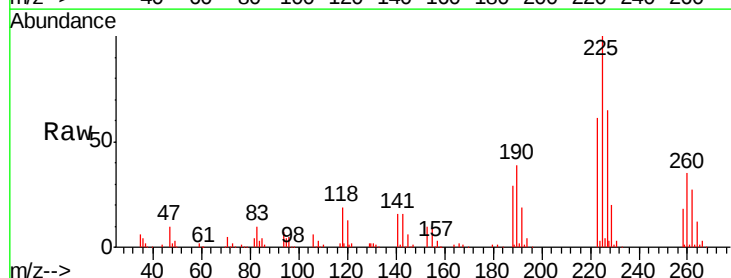
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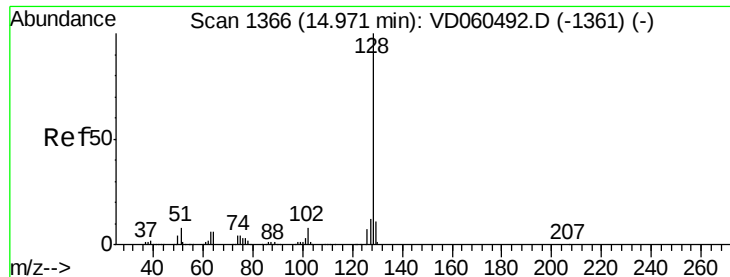
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#94
 Hexachlorobutadiene
 Concen: 21.272 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060634.D
 Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308512		
223	61.2	31.2	93.6	
227	64.7	32.0	96.0	





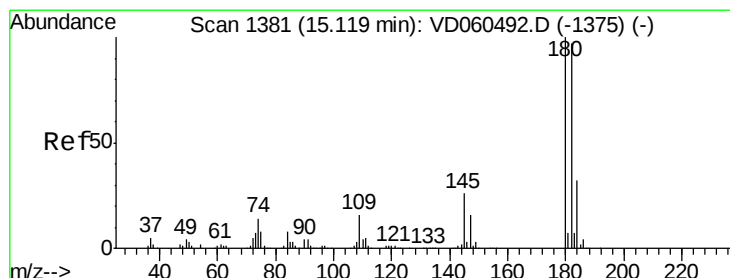
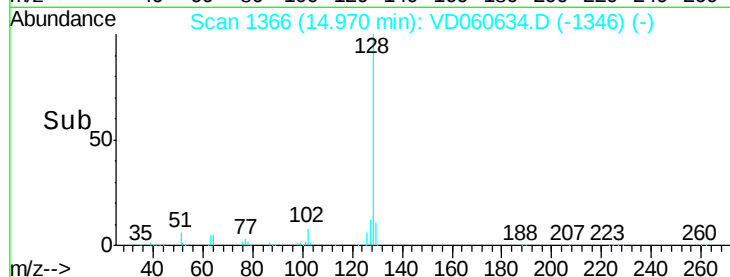
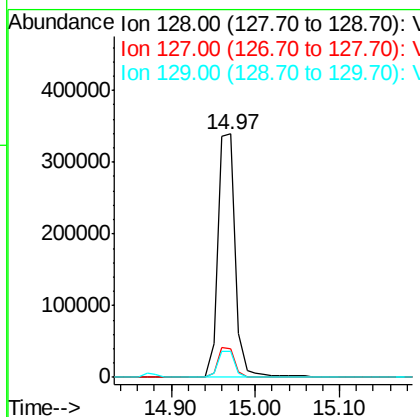
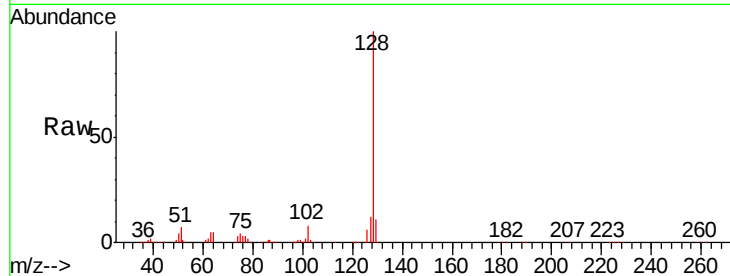
#95
Naphthalene
Concen: 20.696 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	483970		
127	11.6	9.8	14.8	
129	10.5	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 21.452 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060634.D
Acq: 19 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	335994		
182	94.0	48.5	145.5	
145	29.2	12.9	38.7	

