

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060633.D
 Acq On : 19 Dec 2018 11:49
 Operator : VA/AP
 Sample : VD1219SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 11:59:54 AM

Quant Time: Dec 20 00:56:37 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	1492970	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2055928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1674376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	871358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	548440	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	6.33	113	794448	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	9.46	98	2201693	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.42	95	814717	52.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	382348	23.416	ug/l	98
3) Chloromethane	1.78	50	357563	23.310	ug/l	97
4) Vinyl Chloride	1.87	62	286146	23.373	ug/l	99
5) Bromomethane	2.17	94	51711	16.884	ug/l	96
6) Chloroethane	2.27	64	75269	17.713	ug/l	99
7) Trichlorofluoromethane	2.53	101	321307	22.730	ug/l	100
8) Diethyl Ether	2.85	74	55005	22.528	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	216016	23.552	ug/l	94
10) Methyl Iodide	3.27	142	241739	22.548	ug/l	96
11) Tert butyl alcohol	3.98	59	34452	80.136	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	182653	24.477	ug/l	87
13) Acrolein	3.00	56	42043	89.498	ug/l	92
14) Allyl chloride	3.55	41	347125	24.517	ug/l	99
15) Acrylonitrile	4.11	53	250024	102.422	ug/l	98
16) Acetone	3.18	43	174867	103.092	ug/l	94
17) Carbon Disulfide	3.34	76	530219	21.874	ug/l	99
18) Methyl Acetate	3.57	43	96577	23.957	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	431762	20.864	ug/l	100
20) Methylene Chloride	3.74	84	380205	21.898	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	343463	21.159	ug/l	97
22) Diisopropyl ether	4.86	45	1086627	21.376	ug/l	97
23) Vinyl Acetate	4.81	43	2603581	103.374	ug/l	99
24) 1,1-Dichloroethane	4.76	63	583712	22.103	ug/l	99
25) 2-Butanone	5.63	43	330895	99.154	ug/l	97
26) 2,2-Dichloropropane	5.59	77	461099	22.602	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	349710	21.189	ug/l	93
28) Bromochloromethane	5.94	49	242240	20.707	ug/l	99
29) Tetrahydrofuran	5.96	42	183777	97.249	ug/l	99
30) Chloroform	6.10	83	581581	21.860	ug/l	94
31) Cyclohexane	6.37	56	518837	20.733	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	475993	21.763	ug/l	97
36) 1,1-Dichloropropene	6.53	75	455324	22.657	ug/l	99
37) Ethyl Acetate	5.71	43	181030	20.771	ug/l	100
38) Carbon Tetrachloride	6.51	117	405651	22.484	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	496508	21.673	ug/l	99
40) Benzene	6.80	78	1160517	22.596	ug/l	100
41) Methacrylonitrile	5.93	41	86021m	18.309	ug/l	
42) 1,2-Dichloroethane	6.90	62	282353	21.622	ug/l	100
43) Isopropyl Acetate	8.35	43	210030	19.522	ug/l #	98
44) Trichloroethene	7.74	130	337332	21.977	ug/l	95
45) 1,2-Dichloropropane	8.10	63	281512	22.162	ug/l	99
46) Dibromomethane	8.22	93	155272	21.157	ug/l	98
47) Bromodichloromethane	8.49	83	381618	21.915	ug/l	99
48) Methyl methacrylate	8.25	41	129283	20.309	ug/l	97
49) 1,4-Dioxane	8.23	88	23991	415.823	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	682539	101.988	ug/l	99
52) Toluene	9.55	92	693370	21.599	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	307419	21.485	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	404984	21.542	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	187873	21.016	ug/l	98
56) Ethyl methacrylate	10.03	69	170367	21.058	ug/l	96
57) 1,3-Dichloropropane	10.38	76	290208	21.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	545049	112.592	ug/l	94
59) 2-Hexanone	10.48	43	490214	104.796	ug/l	96
60) Dibromochloromethane	10.64	129	243504	21.786	ug/l	100
61) 1,2-Dibromoethane	10.76	107	185755	20.389	ug/l	99
64) Tetrachloroethene	10.26	164	315859	21.304	ug/l	95
65) Chlorobenzene	11.31	112	762713	21.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	259723	22.748	ug/l	97
67) Ethyl Benzene	11.43	91	1366808	22.622	ug/l	97
68) m/p-Xylenes	11.56	106	979478	43.819	ug/l	98
69) o-Xylene	11.93	106	453317	21.280	ug/l	88
70) Styrene	11.96	104	720213	21.063	ug/l	99
71) Bromoform	12.12	173	149319	19.603	ug/l	98
73) Isopropylbenzene	12.27	105	1298803	21.064	ug/l	98
74) N-amyl acetate	12.14	43	280701	18.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	198730	20.132	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	198699	20.125	ug/l	99
77) Bromobenzene	12.54	156	330213	20.374	ug/l	97
78) n-propylbenzene	12.64	91	1661947	21.322	ug/l	99
79) 2-Chlorotoluene	12.71	91	881377	20.839	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	993127	21.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	51129	18.568	ug/l	99
82) 4-Chlorotoluene	12.80	91	997200	20.992	ug/l	91
83) tert-Butylbenzene	13.04	119	1118206	21.167	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1024877	21.008	ug/l	98
85) sec-Butylbenzene	13.22	105	1328748	20.180	ug/l	97
86) p-Isopropyltoluene	13.34	119	1107605	21.221	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	615081	20.960	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	608491	21.137	ug/l	97
89) n-Butylbenzene	13.64	91	1211703	20.920	ug/l	97
90) Hexachloroethane	13.86	117	269209	20.571	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	528307	22.029	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	21701	18.143	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	14.78	180	369482	19.708	ug/l	95
94) Hexachlorobutadiene	14.88	225	289093	20.900	ug/l	98
95) Naphthalene	14.97	128	425583	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	291713	19.528	ug/l	98

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

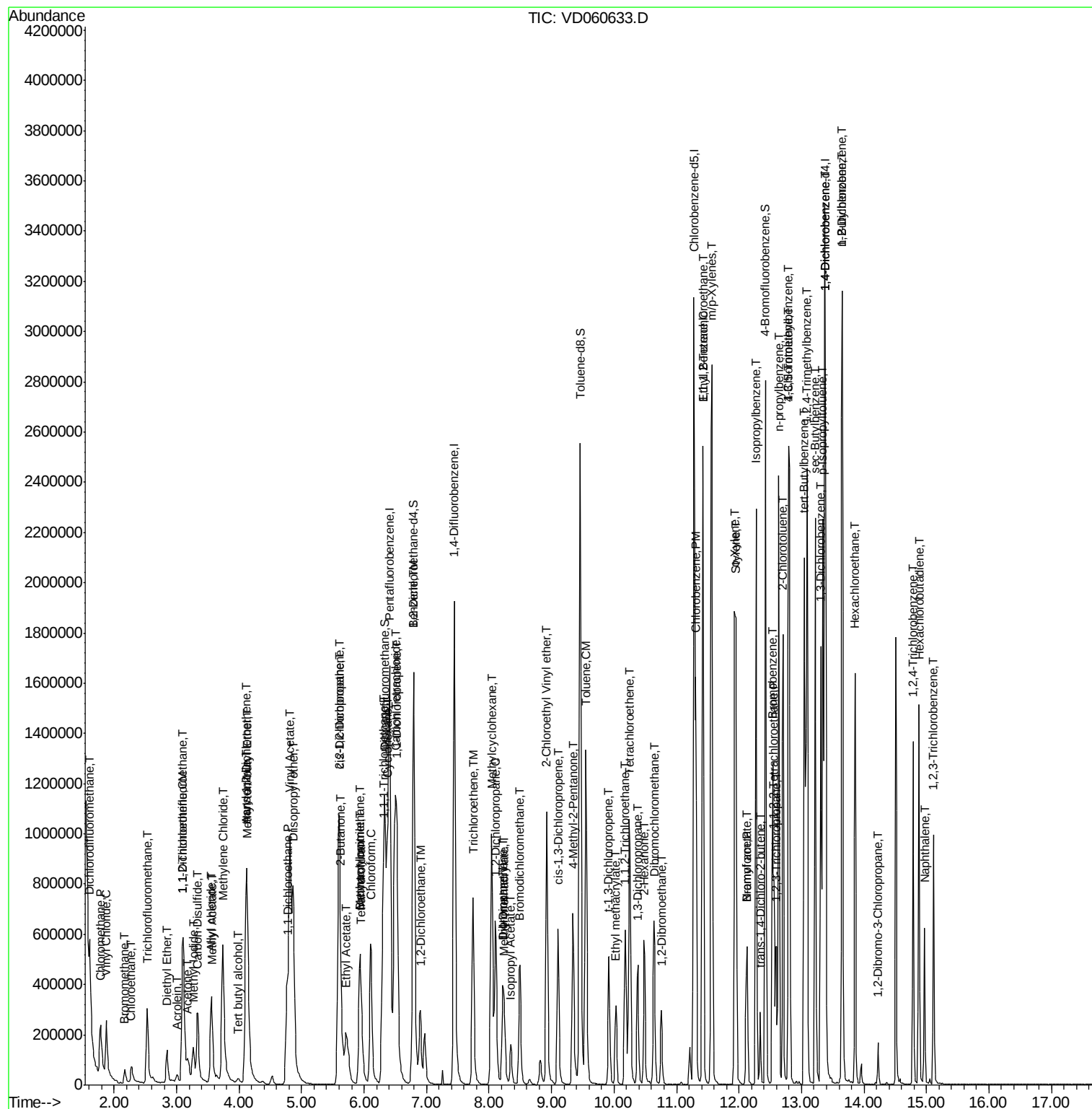
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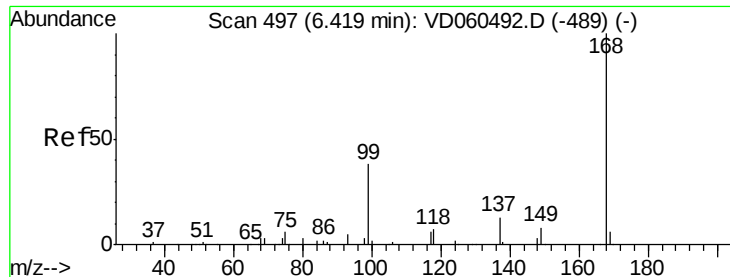
Instrument :
MSVOA_D
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 168 Resp: 1492970

Ion Ratio Lower Upper

168 100

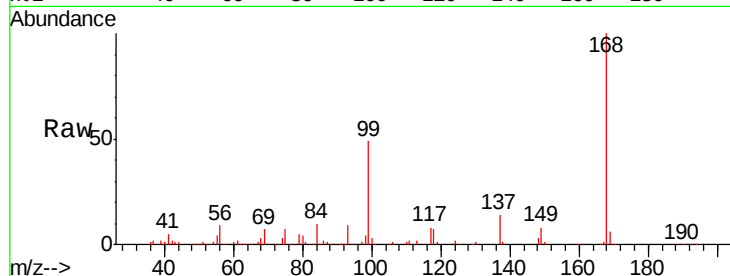
99 49.0 35.6 53.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

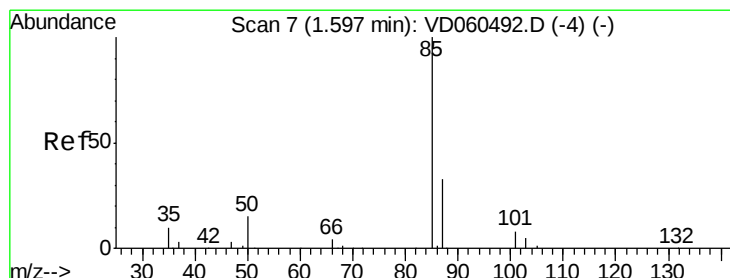
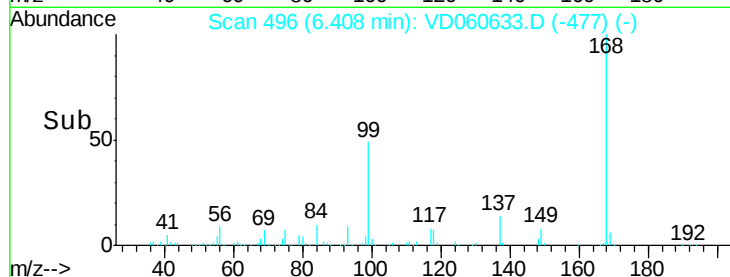
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.416 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060633.D

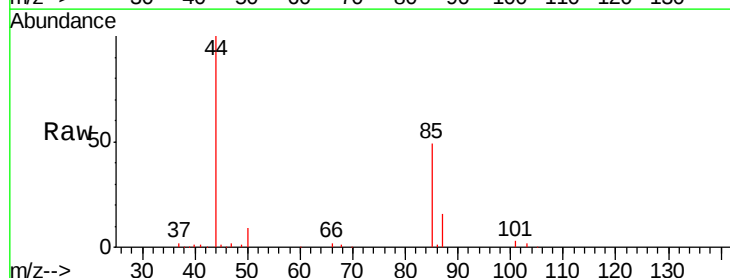
Acq: 19 Dec 2018 11:49

Tgt Ion: 85 Resp: 382348

Ion Ratio Lower Upper

85 100

87 32.1 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

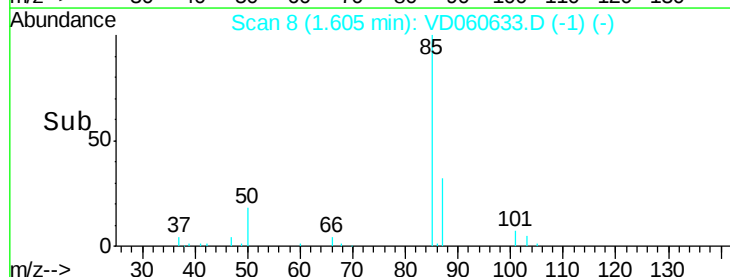
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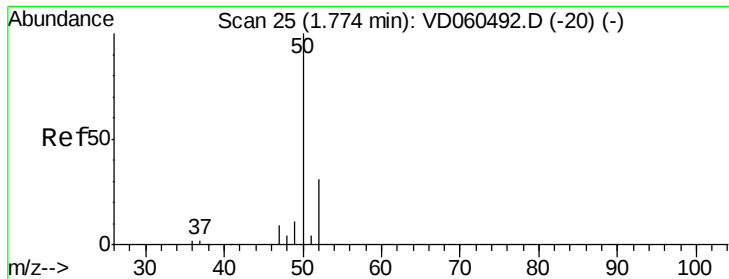
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50000

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Time-->





#3

Chloromethane

Concen: 23.310 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 50 Resp: 357563

Ion Ratio Lower Upper

50 100

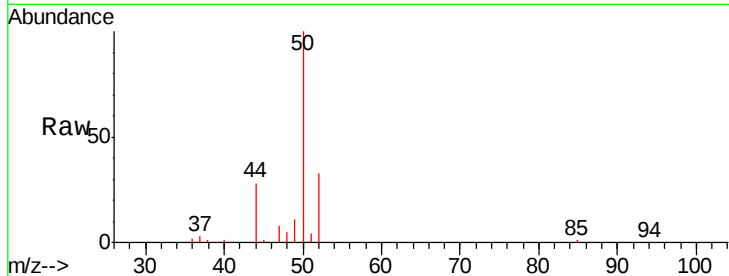
52 32.8 25.0 37.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

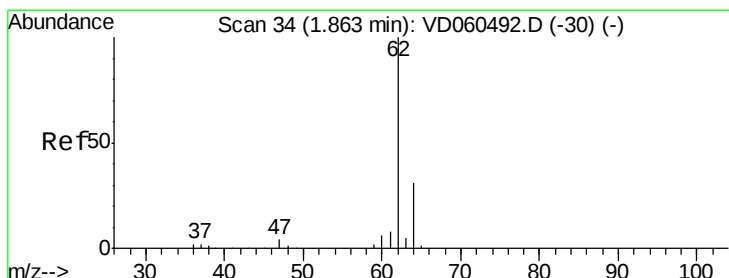
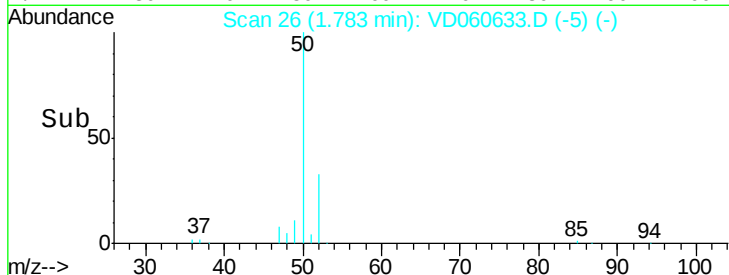
1.78

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 23.373 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060633.D

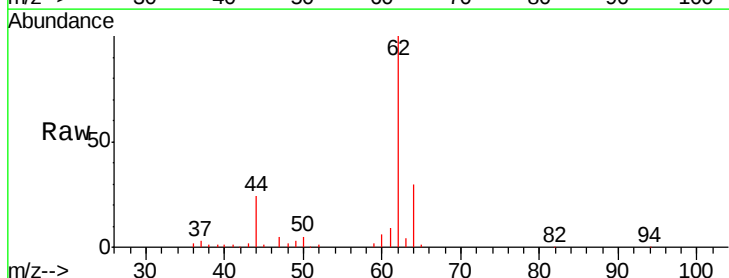
Acq: 19 Dec 2018 11:49

Tgt Ion: 62 Resp: 286146

Ion Ratio Lower Upper

62 100

64 30.3 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

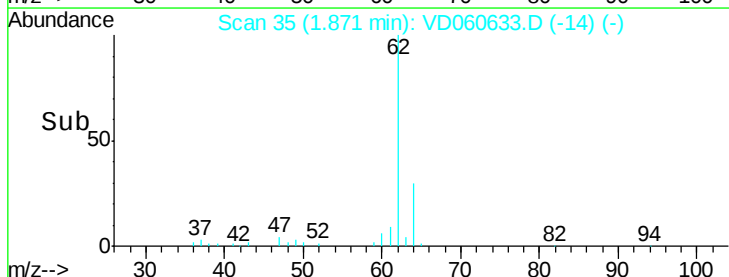
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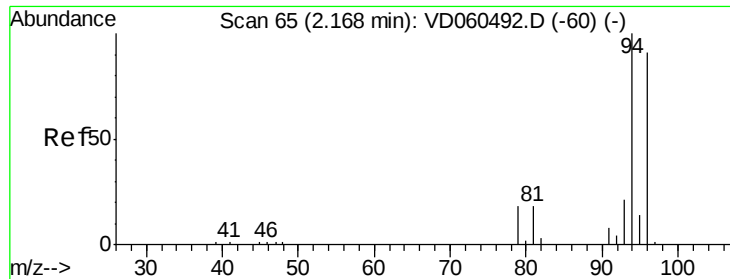
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50000

0

Time-->





#5

Bromomethane

Concen: 16.884 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 94 Resp: 51711

Ion Ratio Lower Upper

94 100

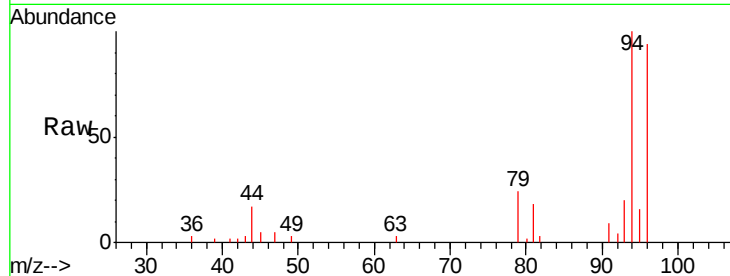
96 94.4 72.6 108.8

Manual Integrations

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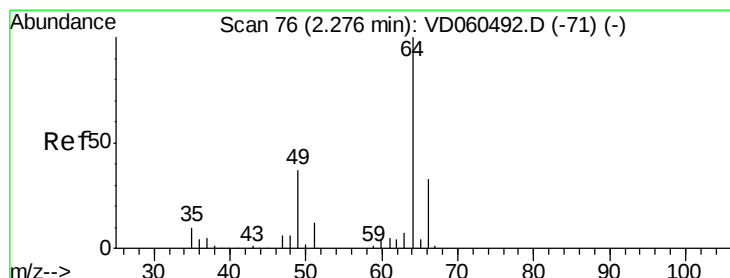
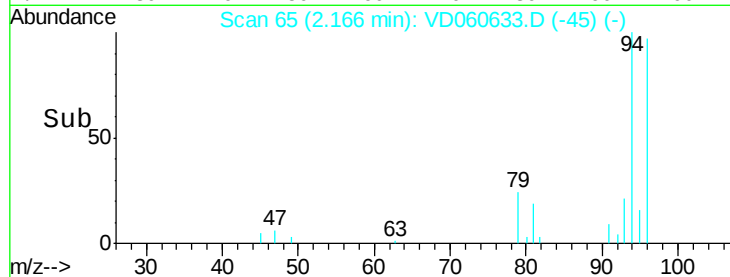
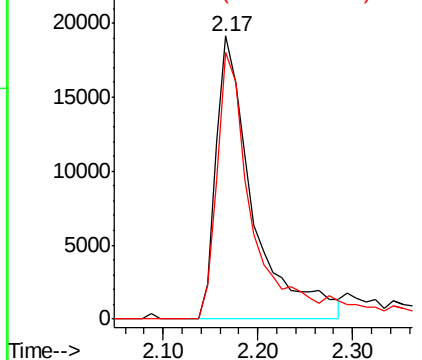
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.713 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060633.D

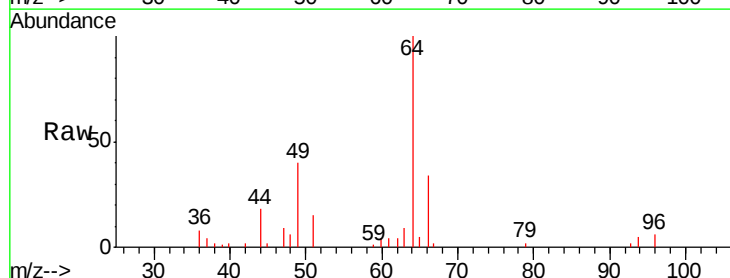
Acq: 19 Dec 2018 11:49

Tgt Ion: 64 Resp: 75269

Ion Ratio Lower Upper

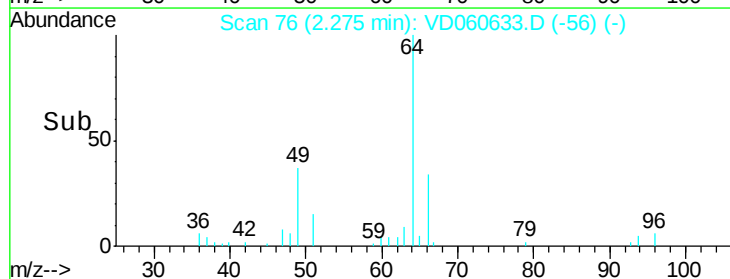
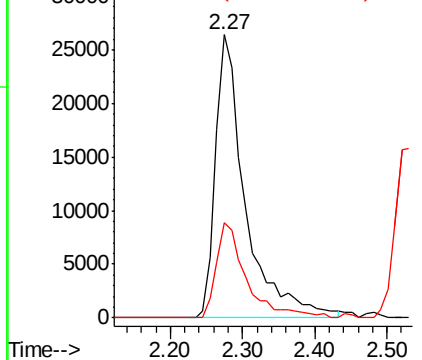
64 100

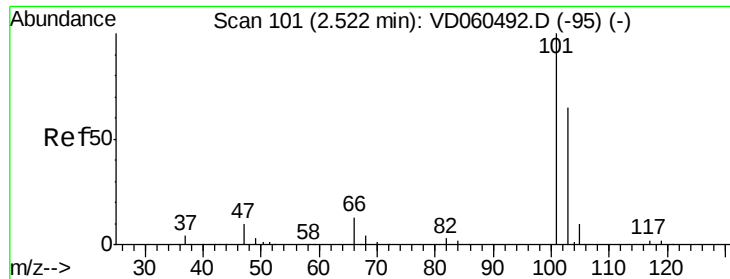
66 33.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

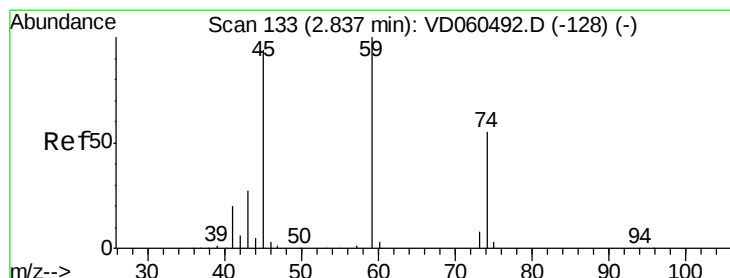
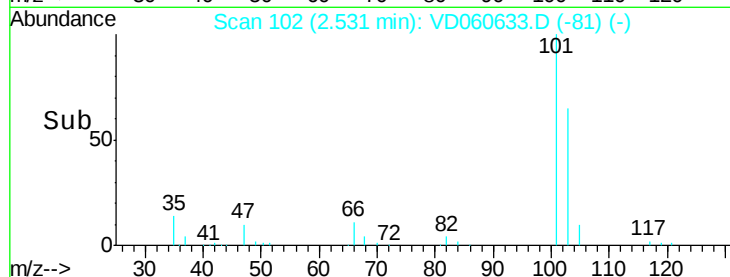
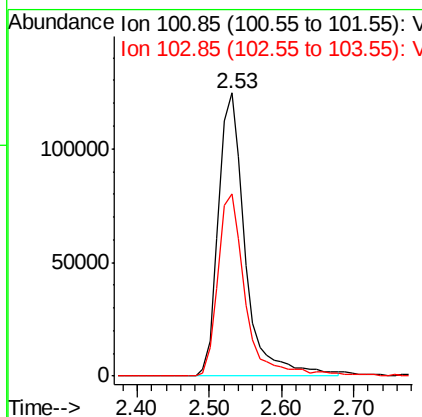
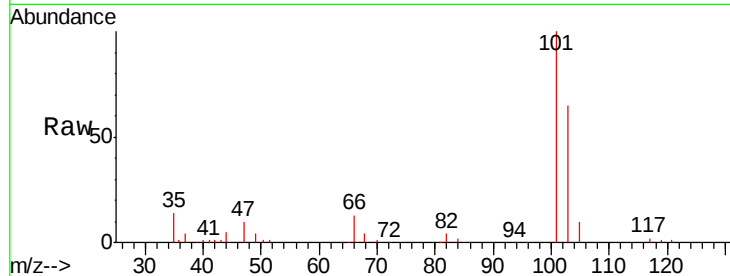
Trichlorofluoromethane
 Concen: 22.730 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion: 101 Resp: 321307
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

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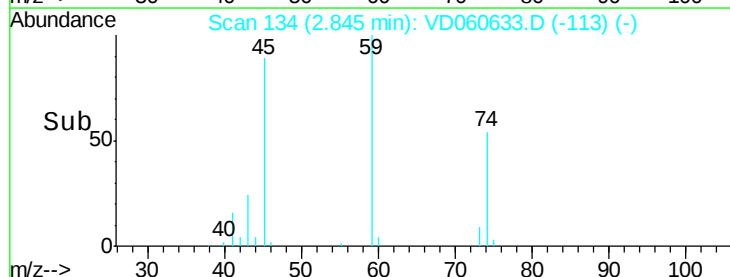
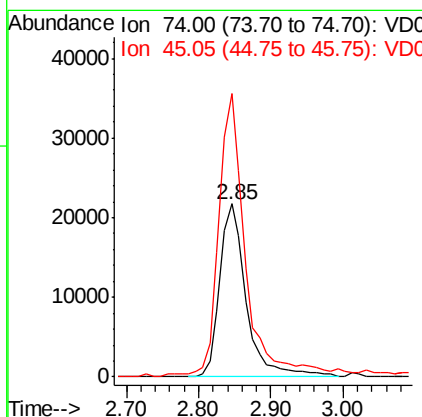
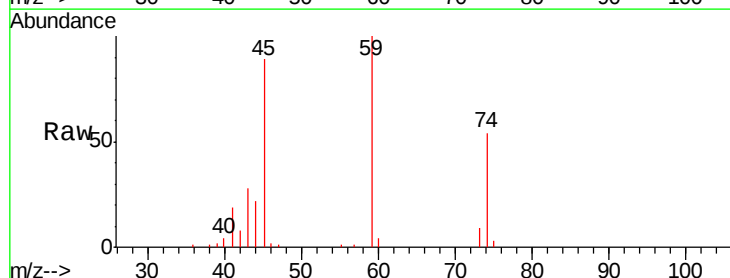
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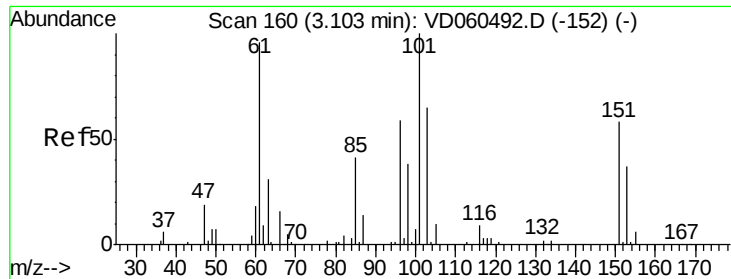


#8

Diethyl Ether
 Concen: 22.528 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 74 Resp: 55005
 Ion Ratio Lower Upper
 74 100
 45 163.9 86.0 258.0





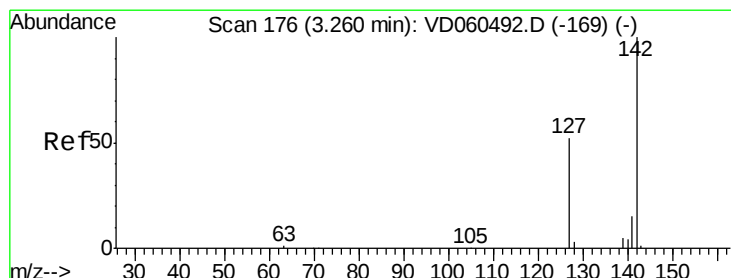
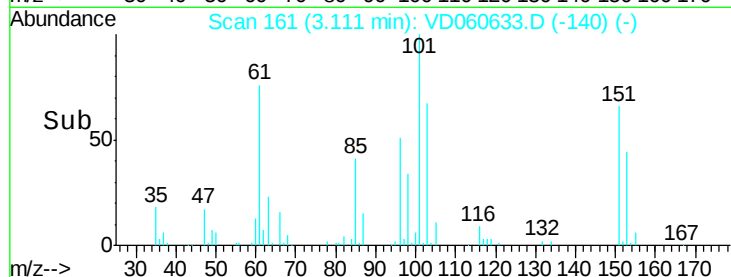
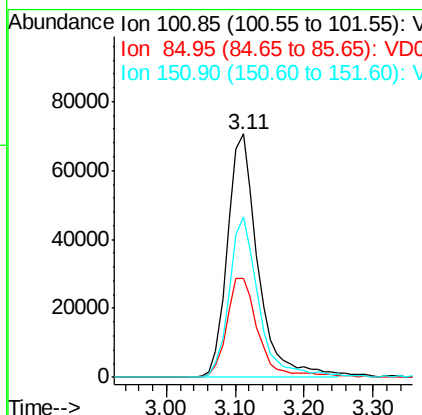
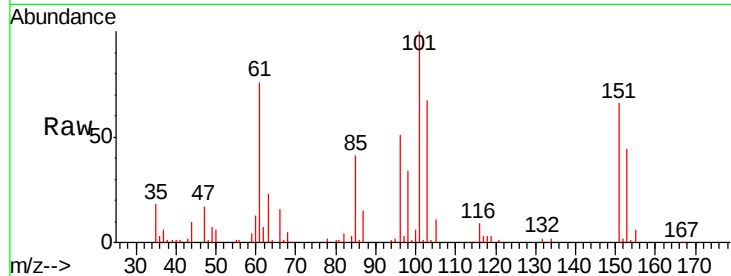
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.552 ug/l
RT: 3.11 min Scan# 161
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	40.7	32.7	49.1
151	65.8	46.6	69.8

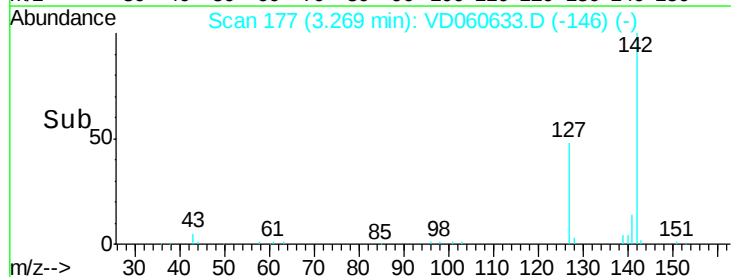
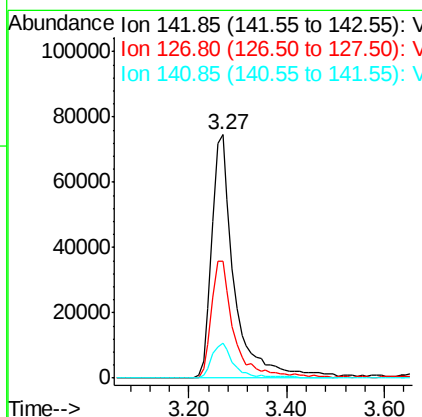
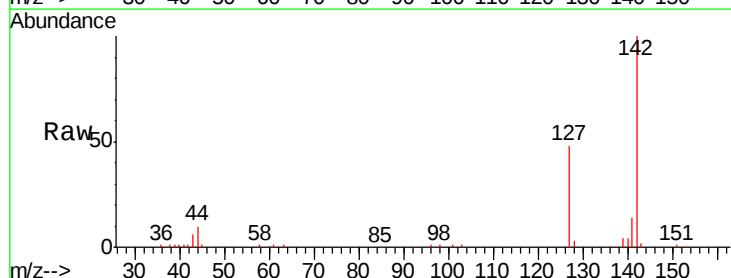
Manual Integrations
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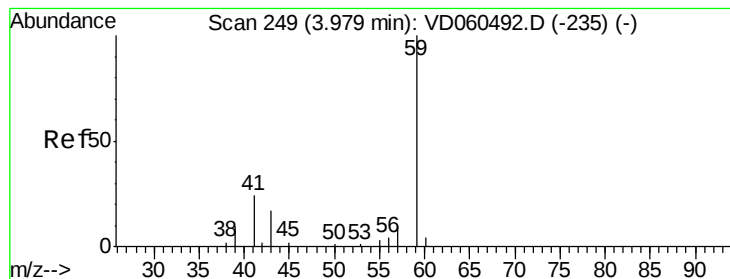
apatel
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#10
Methyl Iodide
Concen: 22.548 ug/l
RT: 3.27 min Scan# 177
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	48.2	41.2	61.8
141	14.1	11.9	17.9





#11

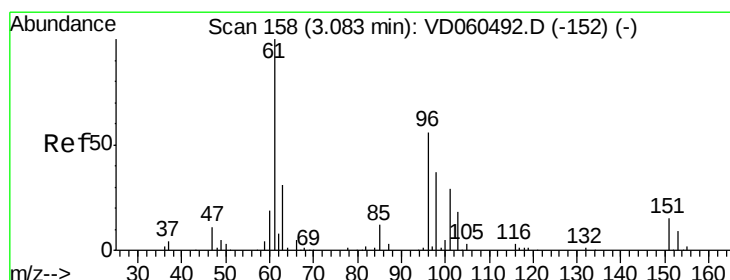
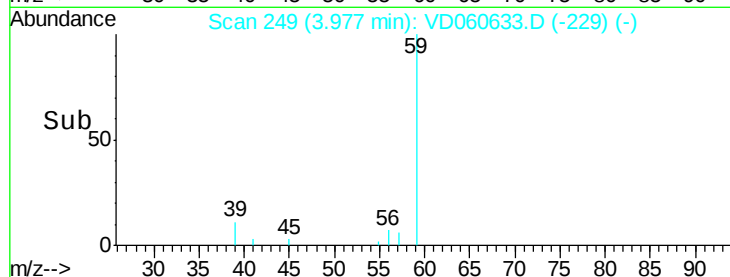
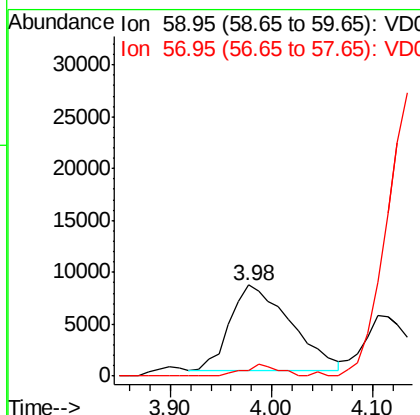
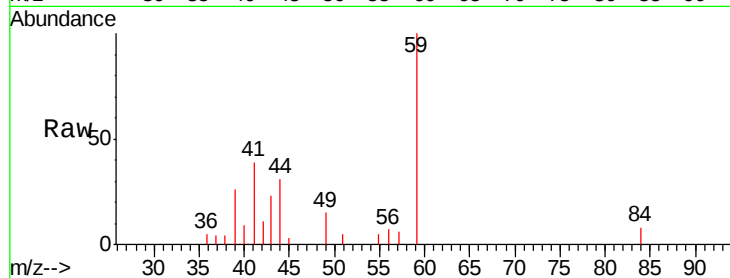
Tert butyl alcohol
Concen: 80.136 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 59 Resp: 34452
Ion Ratio Lower Upper
59 100
57 6.3 8.1 12.1#

Manual Integrations
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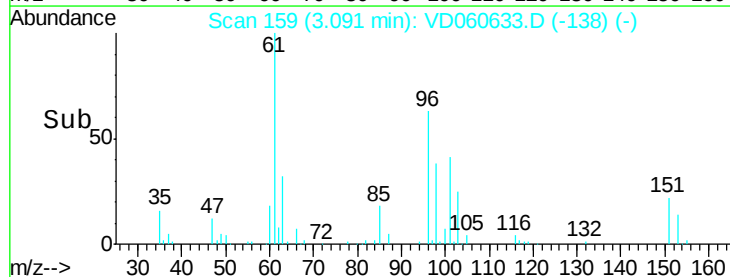
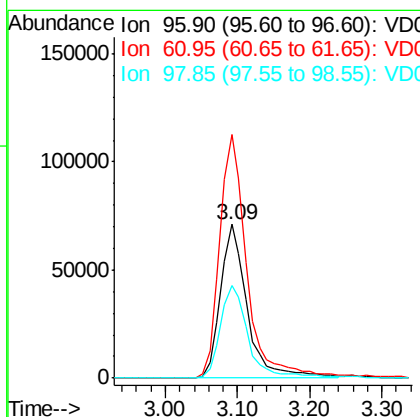
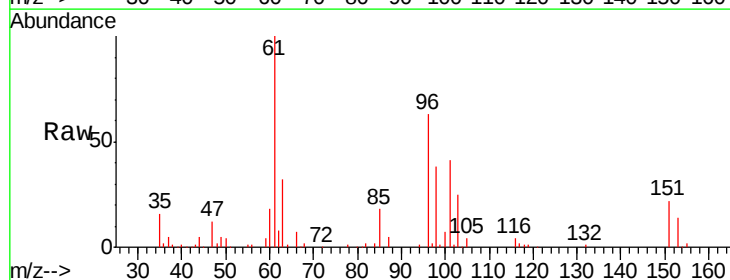
apatel
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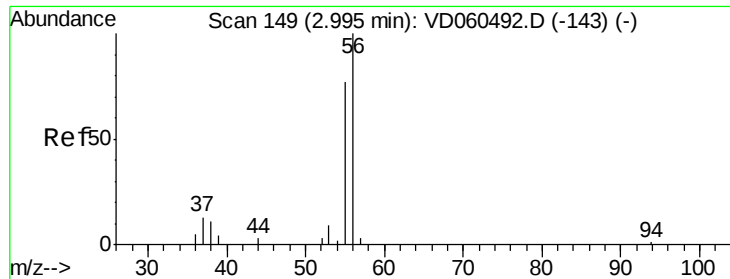


#12

1,1-Dichloroethene
Concen: 24.477 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 96 Resp: 182653
Ion Ratio Lower Upper
96 100
61 158.5 143.0 214.4
98 60.1 53.4 80.0





#13

Acrolein

Concen: 89.498 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 56 Resp: 42043

Ion Ratio Lower Upper

56 100

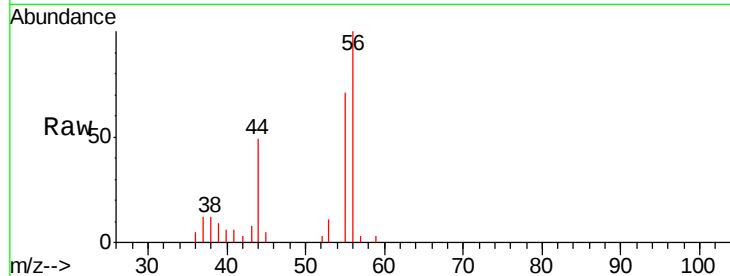
55 70.9 62.0 93.0

Manual Integrations

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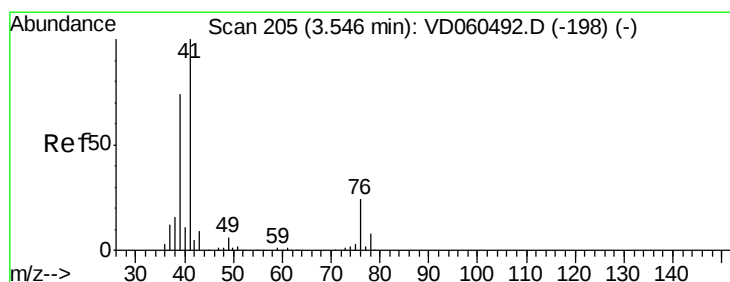
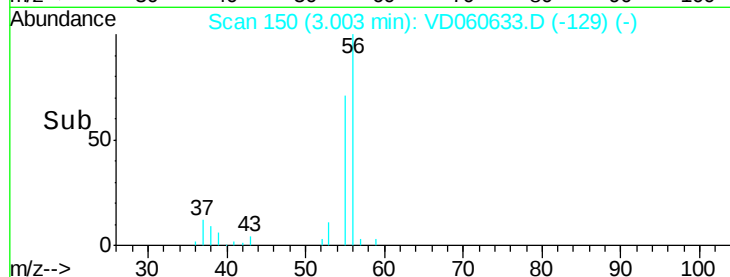
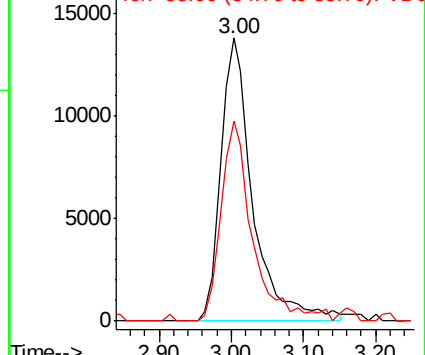
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.517 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

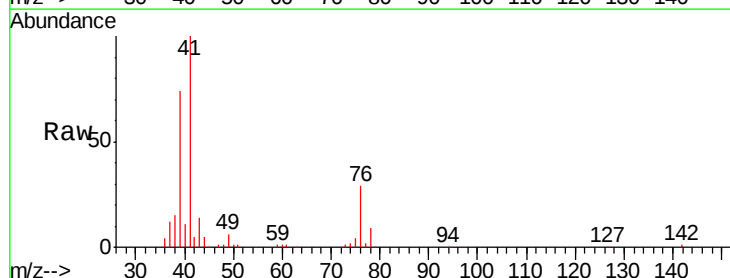
Tgt Ion: 41 Resp: 347125

Ion Ratio Lower Upper

41 100

39 74.1 59.3 88.9

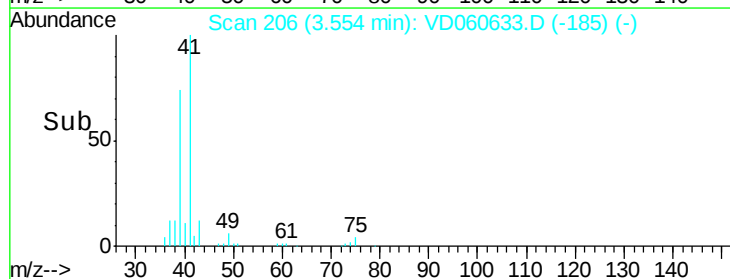
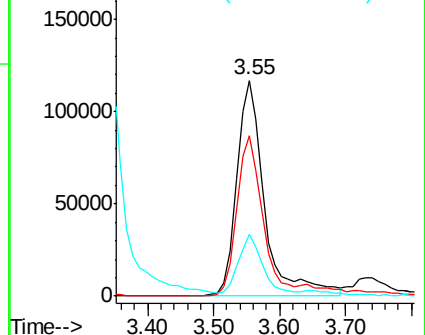
76 28.8 21.0 31.6

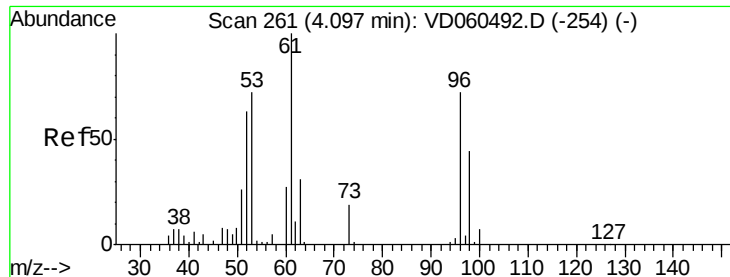


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.422 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

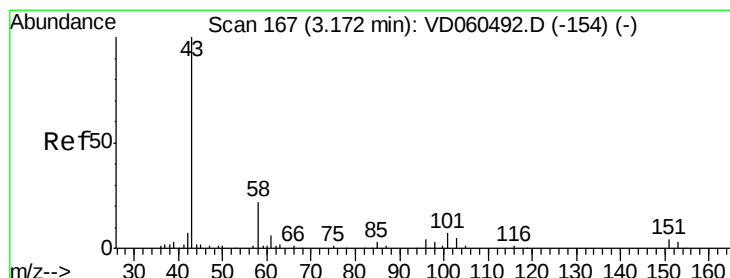
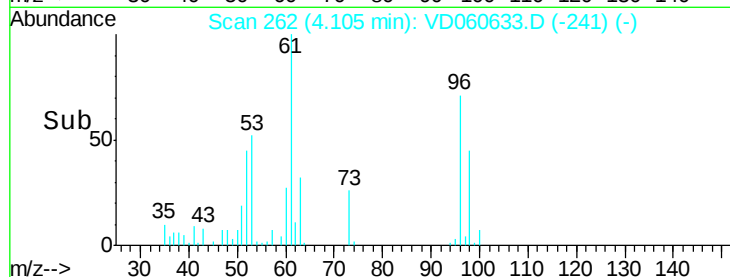
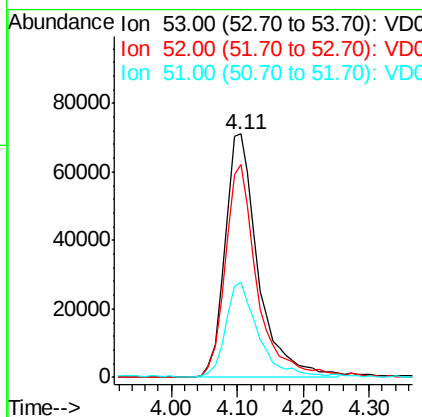
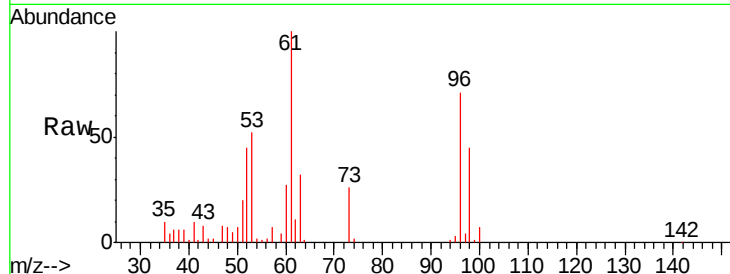
ClientSampleId :

VD1219SBS01

Tgt Ion:	53	Resp:	250024
Ion Ratio	Lower	Upper	
53	100		
52	87.6	70.0	105.0
51	39.1	28.8	43.2

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#16

Acetone

Concen: 103.092 ug/l

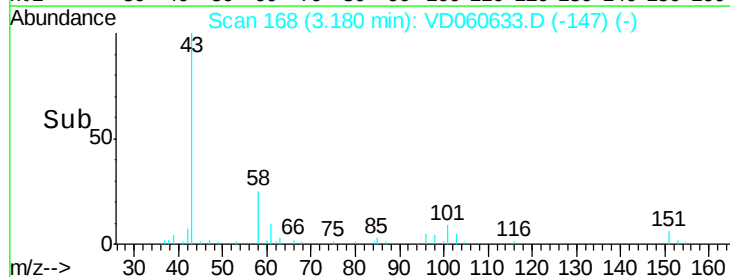
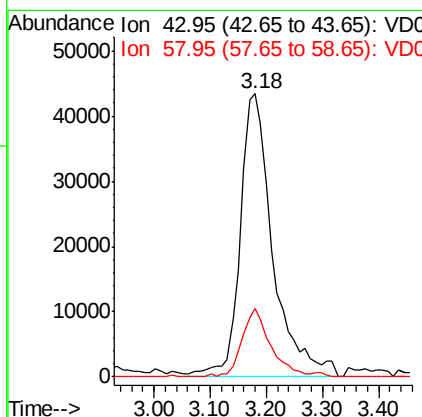
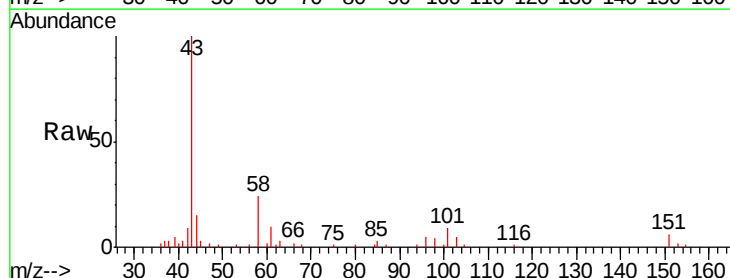
RT: 3.18 min Scan# 168

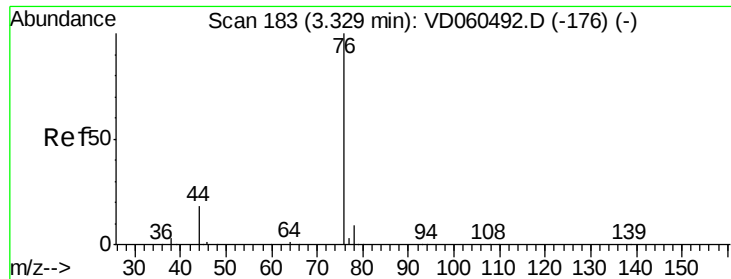
Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion:	43	Resp:	174867
Ion Ratio	Lower	Upper	
43	100		
58	24.3	17.3	25.9





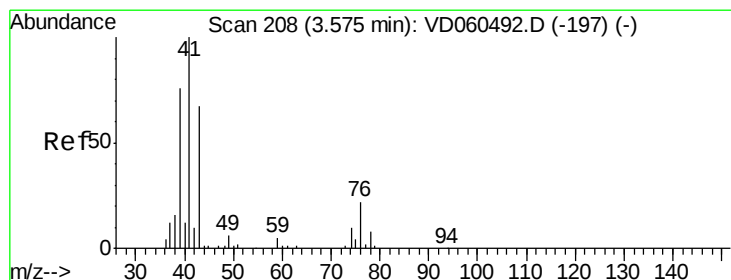
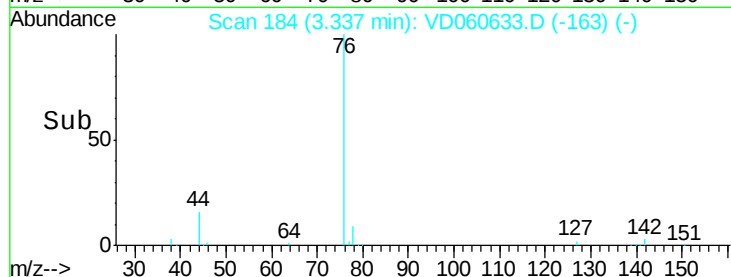
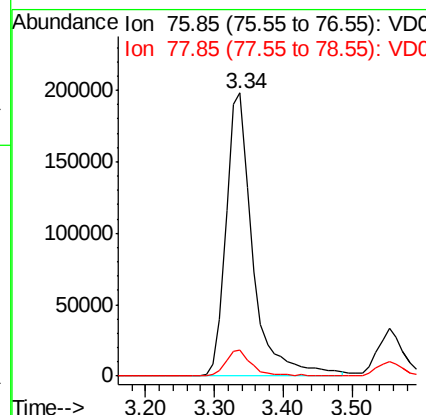
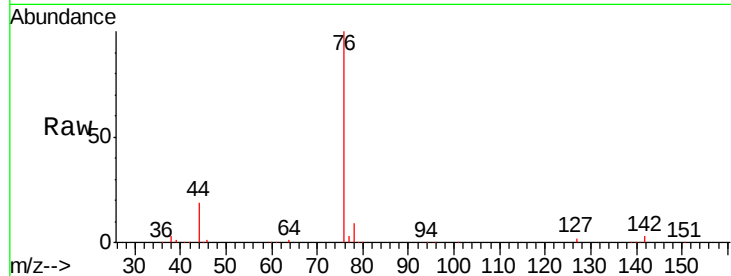
#17
Carbon Disulfide
Concen: 21.874 ug/l
RT: 3.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 76 Resp: 530219
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

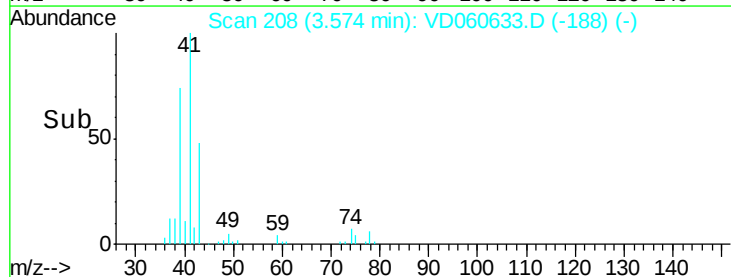
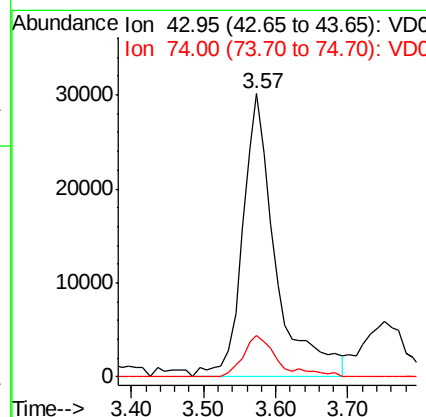
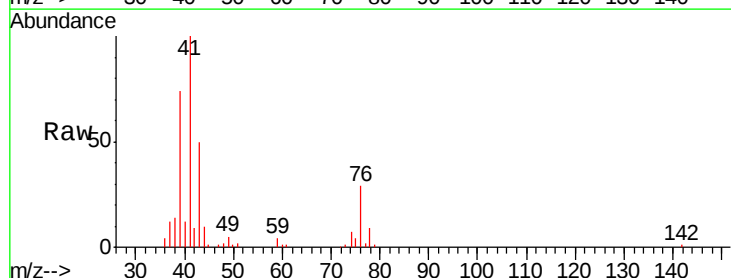
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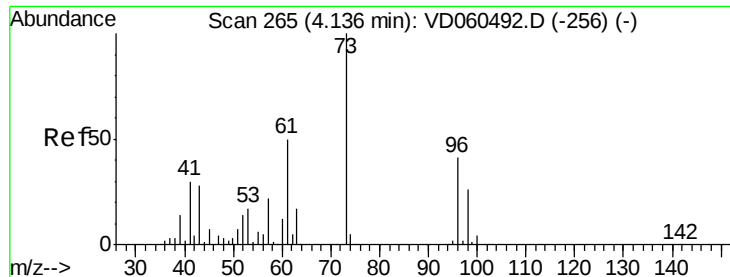
apatel
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#18
Methyl Acetate
Concen: 23.957 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 96577
Ion Ratio Lower Upper
43 100
74 14.5 12.0 18.0





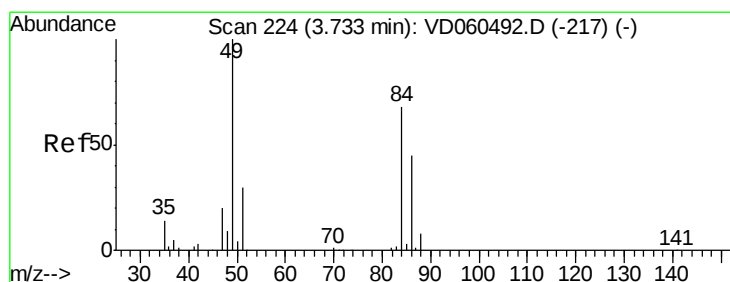
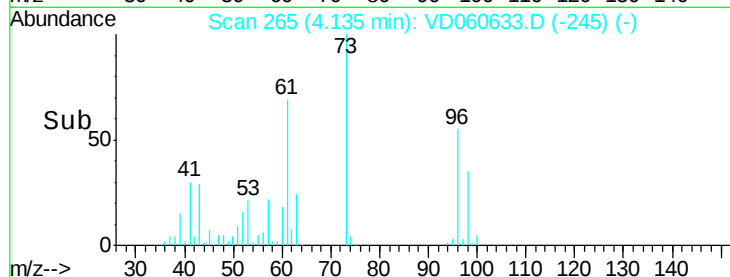
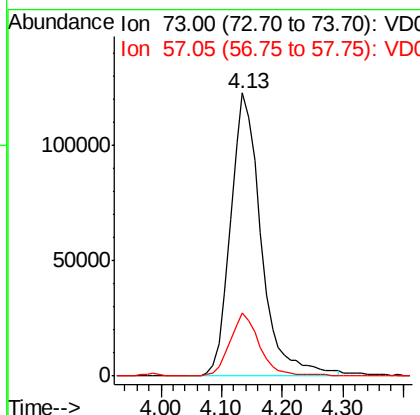
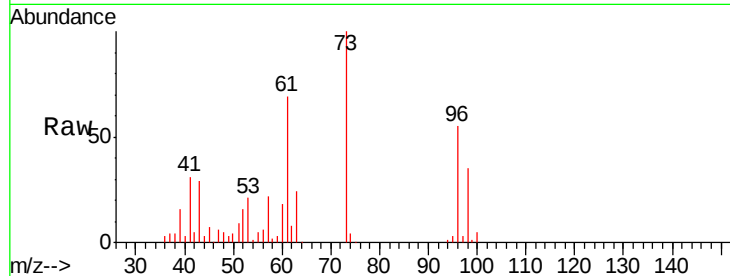
#19
Methyl tert-butyl Ether
Concen: 20.864 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 73 Resp: 431762
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6

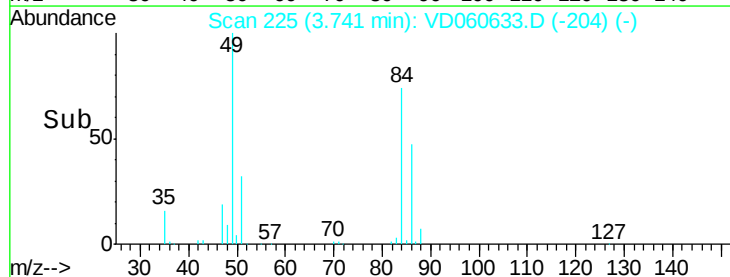
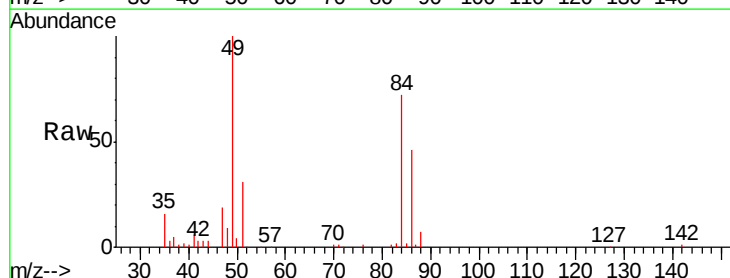
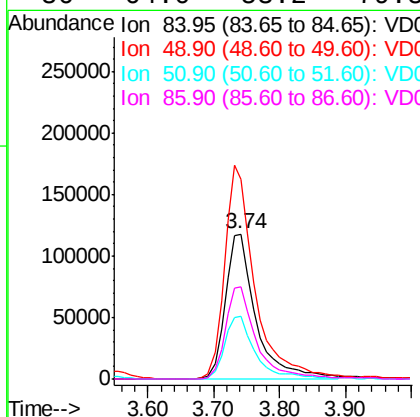
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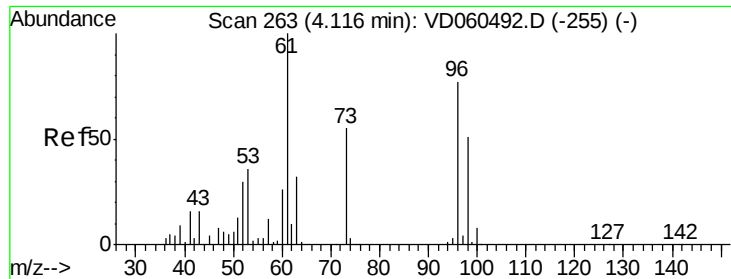
apatel
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#20
Methylene Chloride
Concen: 21.898 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 84 Resp: 380205
Ion Ratio Lower Upper
84 100
49 138.1 117.2 175.8
51 43.4 35.3 52.9
86 64.0 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.159 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 96 Resp: 343463

Ion Ratio Lower Upper

96 100

61 133.5 104.2 156.4

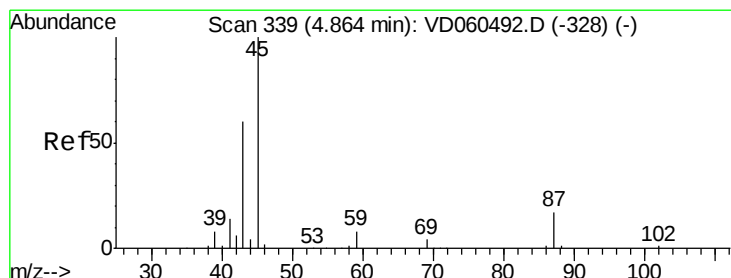
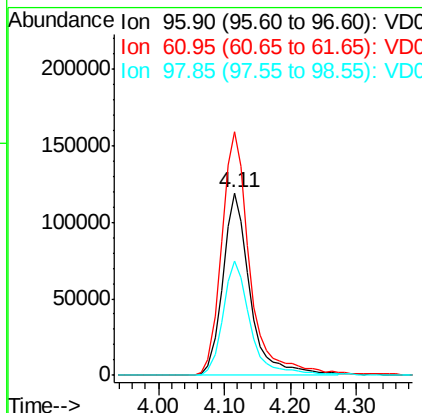
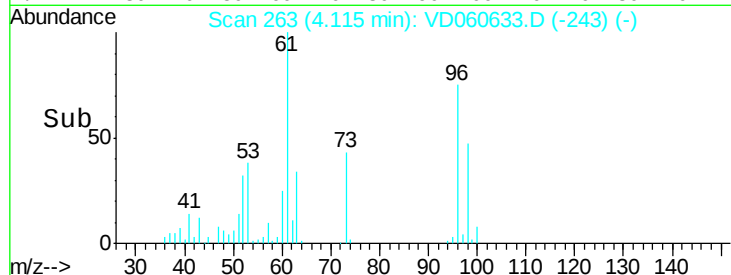
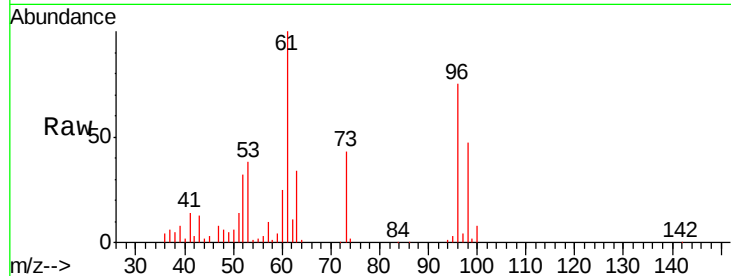
98 63.0 52.8 79.2

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#22

Diisopropyl ether

Concen: 21.376 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion: 45 Resp: 1086627

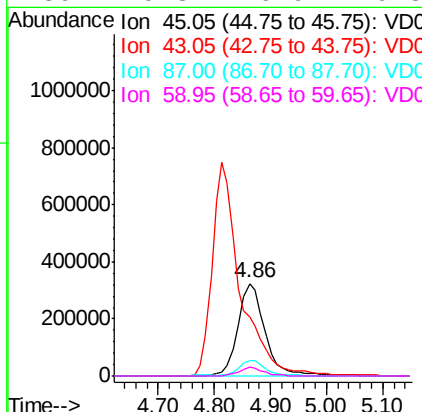
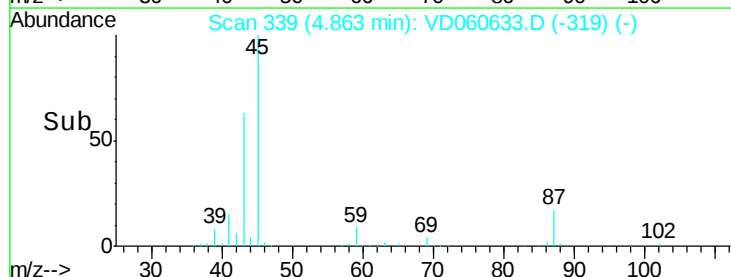
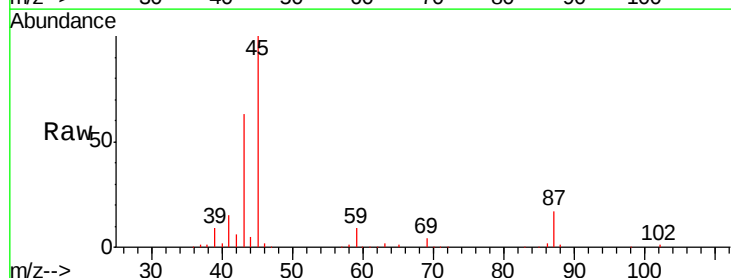
Ion Ratio Lower Upper

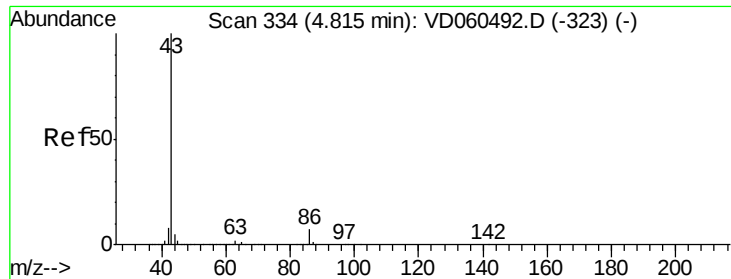
45 100

43 63.3 48.6 73.0

87 17.1 14.0 21.0

59 9.3 6.9 10.3





#23

Vinyl Acetate

Concen: 103.374 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 2603581

Ion Ratio Lower Upper

43 100

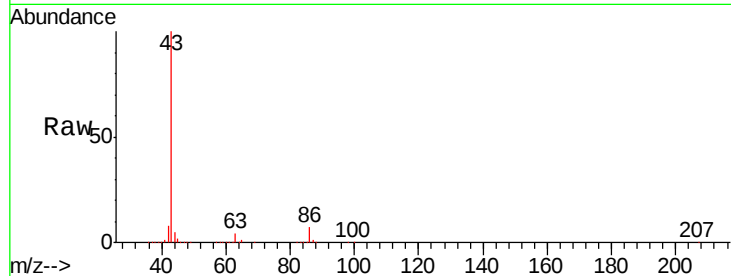
86 6.7 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

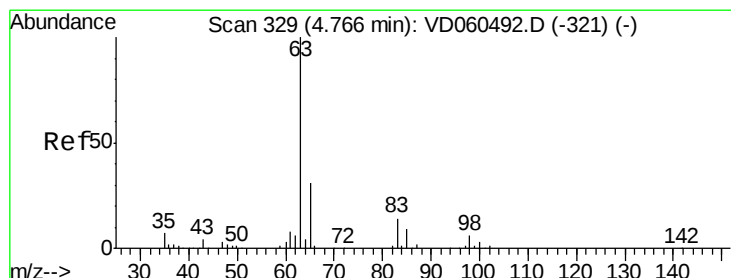
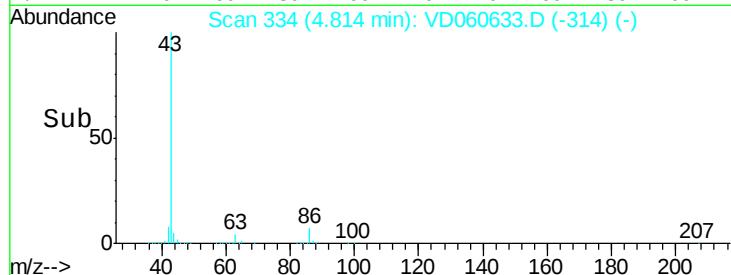
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.103 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

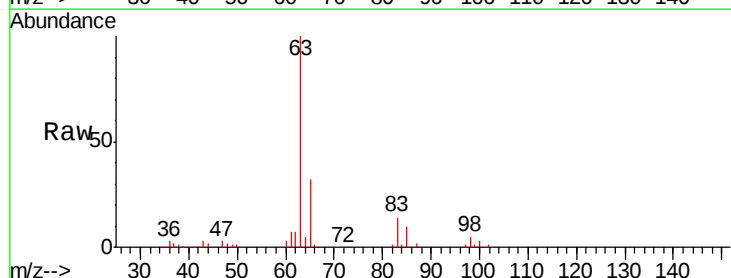
Tgt Ion: 63 Resp: 583712

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.1 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

250000

200000

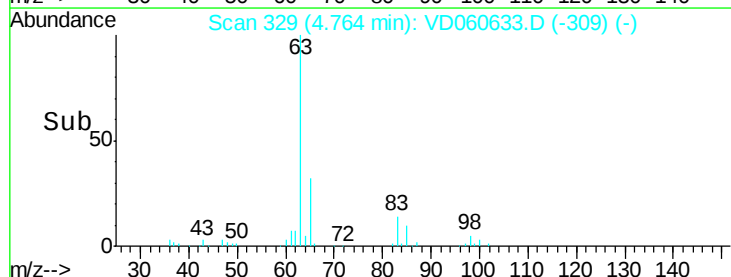
150000

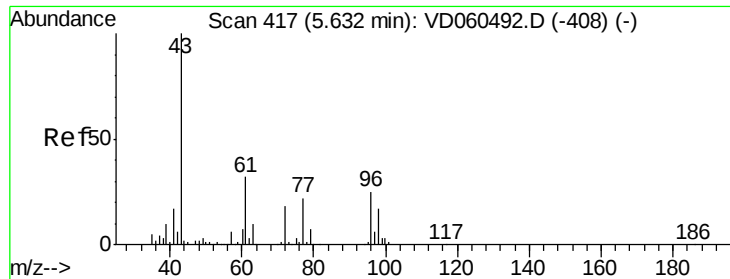
100000

50000

0

Time-->





#25

2-Butanone

Concen: 99.154 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 330895

Ion Ratio Lower Upper

43 100

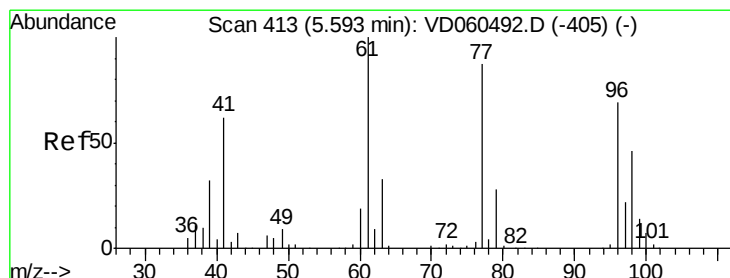
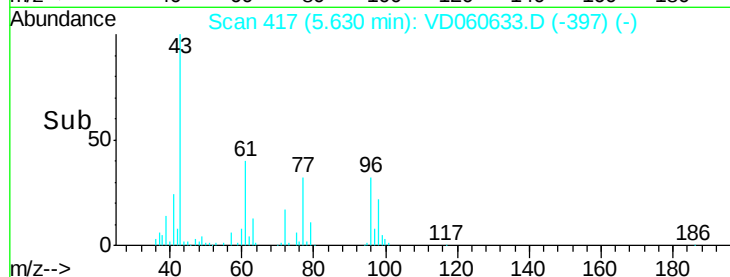
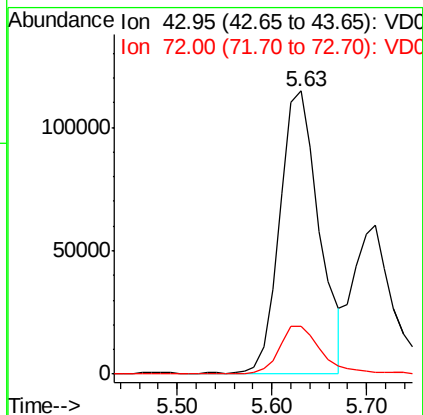
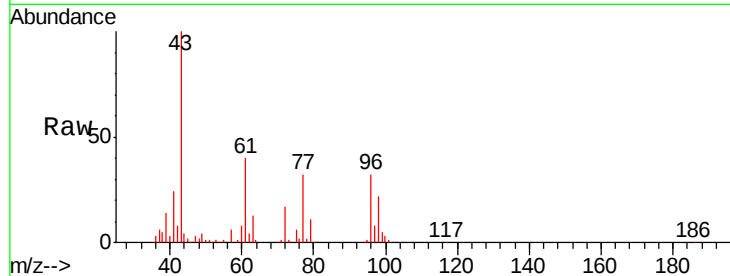
72 16.7 14.6 21.8

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#26

2,2-Dichloropropane

Concen: 22.602 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060633.D

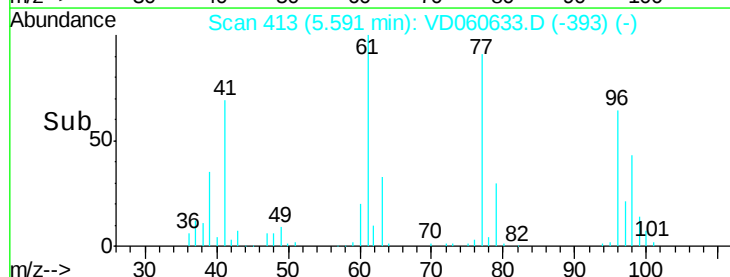
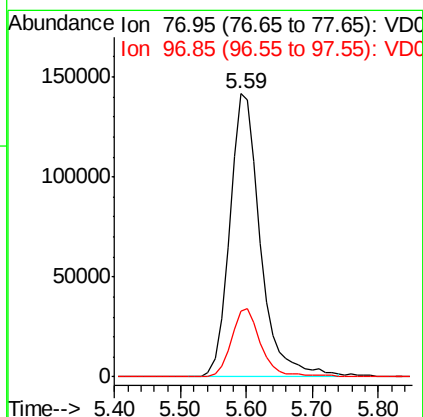
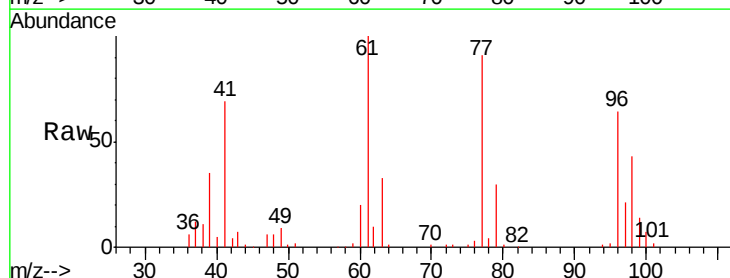
Acq: 19 Dec 2018 11:49

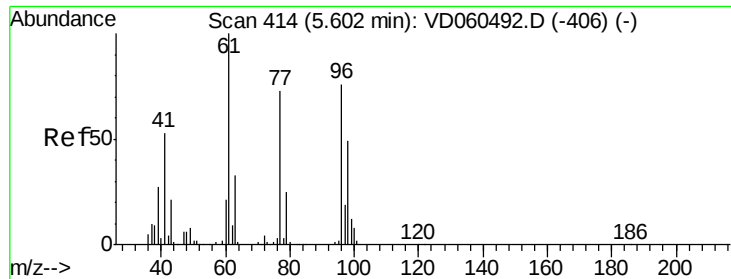
Tgt Ion: 77 Resp: 461099

Ion Ratio Lower Upper

77 100

97 23.2 12.7 38.0





#27

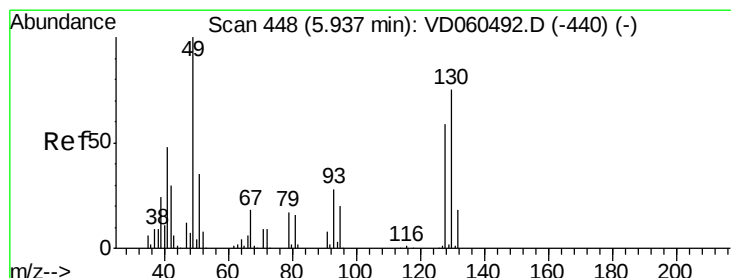
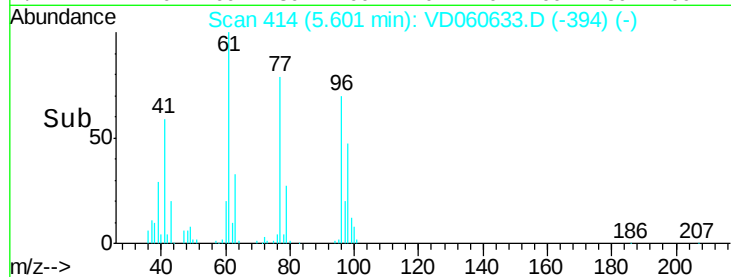
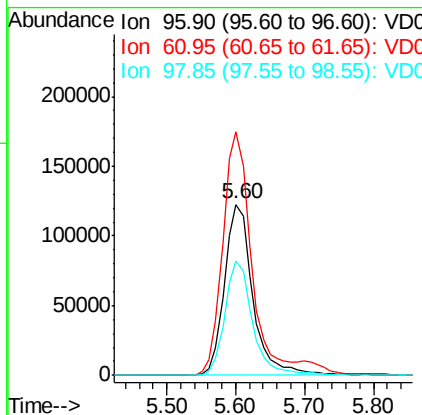
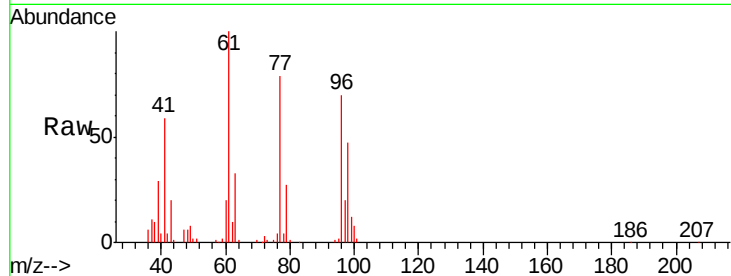
cis-1,2-Dichloroethene
 Concen: 21.189 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	349710		
61	142.2	0.0	263.6	
98	67.1	0.0	128.2	

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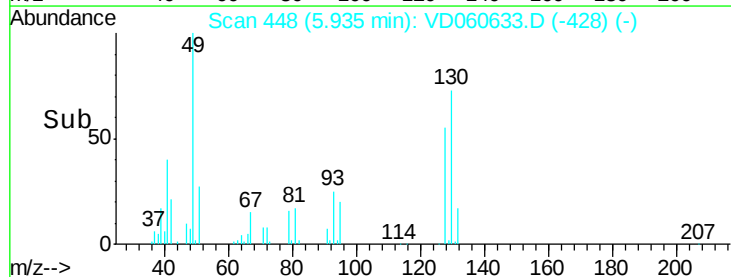
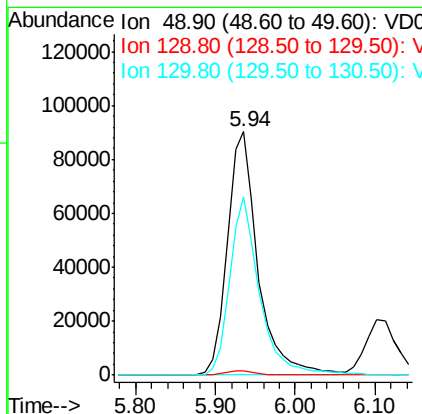
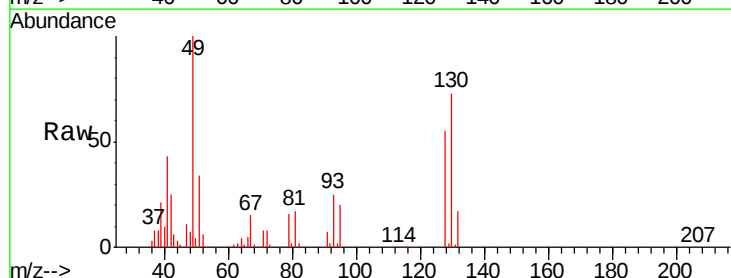
apatel
 12/20/2018 11:59:54 AM

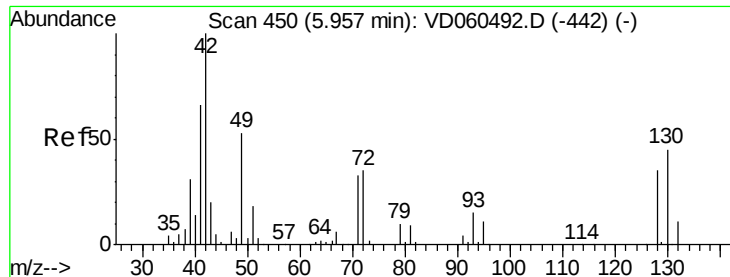


#28

Bromochloromethane
 Concen: 20.707 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	242240		
129	1.8	0.0	3.4	
130	73.4	59.8	89.6	





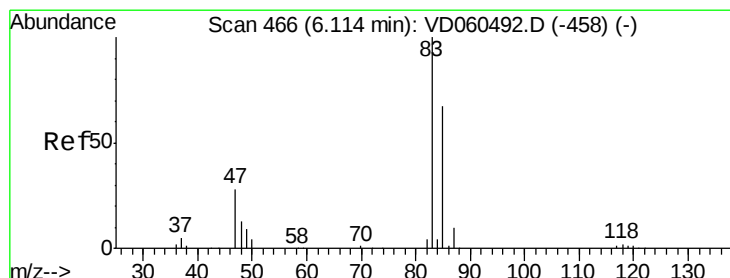
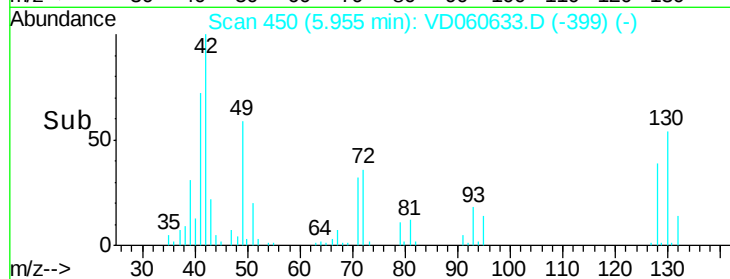
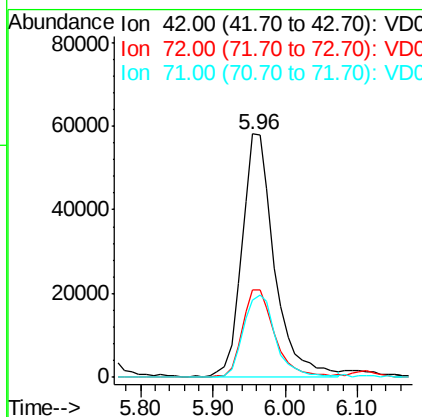
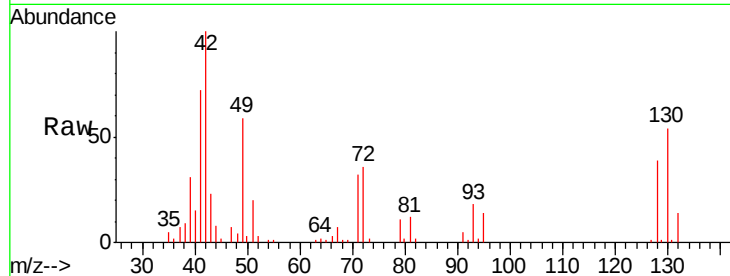
#29
Tetrahydrofuran
Concen: 97.249 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.0	42.0
71	33.9	27.2	40.8

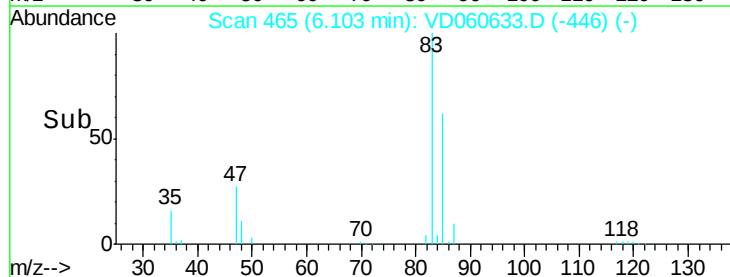
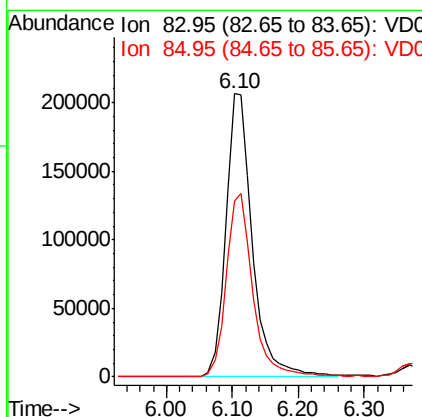
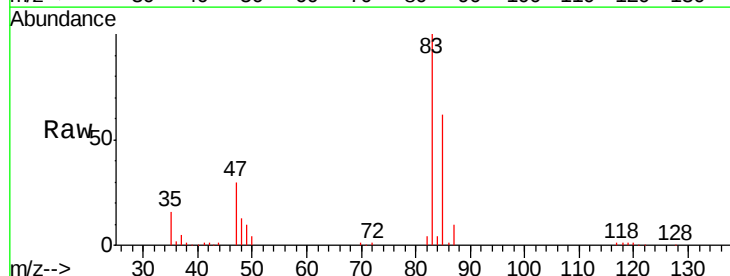
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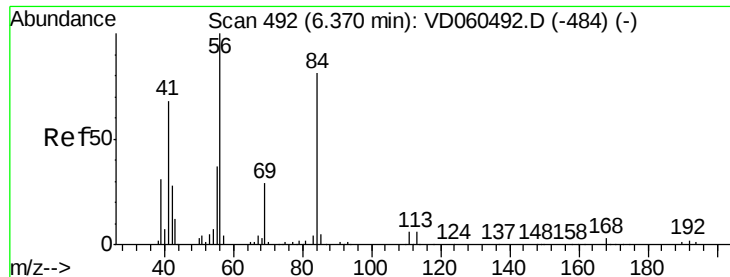
apatel
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#30
Chloroform
Concen: 21.860 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.4	80.2





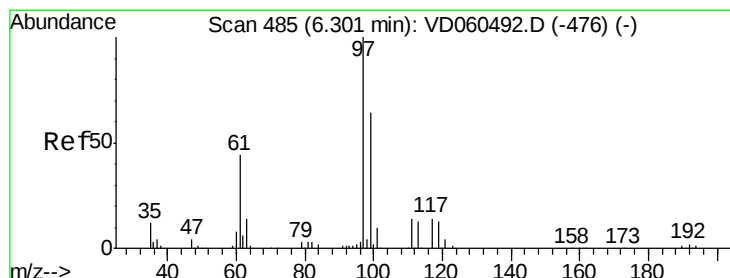
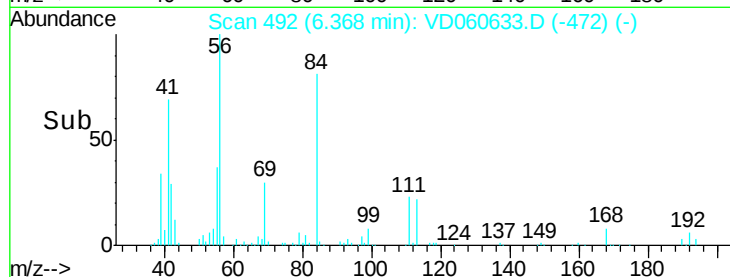
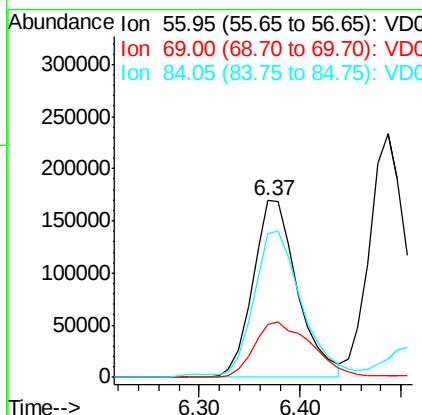
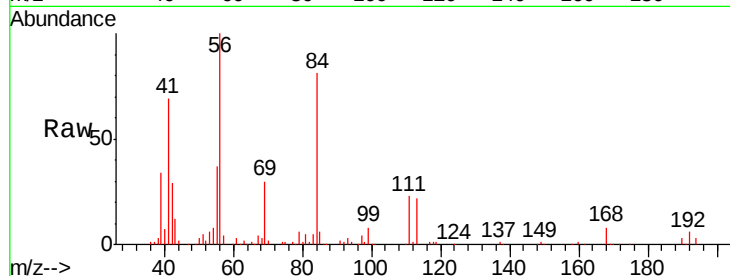
#31
Cyclohexane
Concen: 20.733 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.8	34.2
84	81.0	65.1	97.7

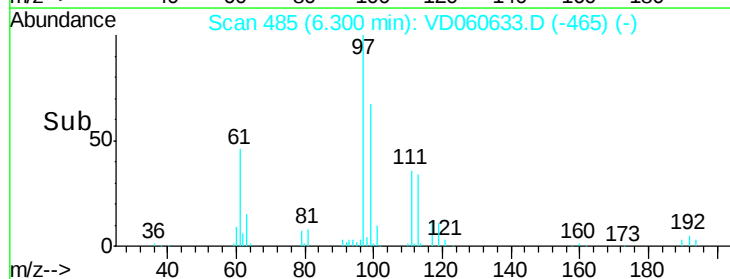
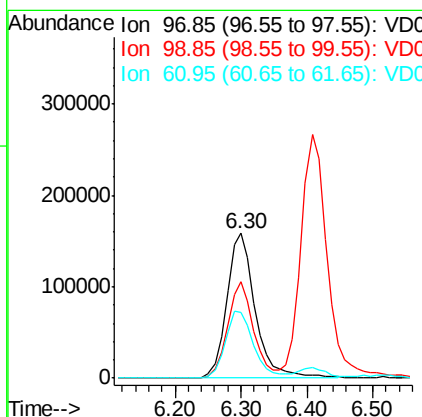
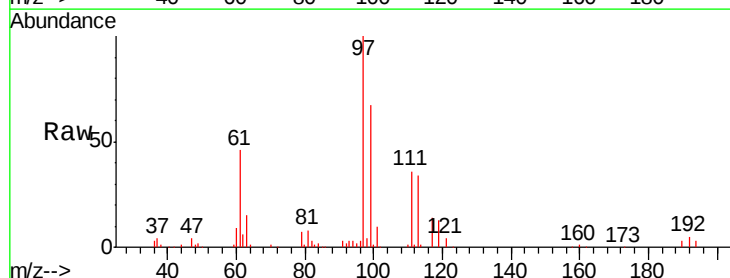
Manual Integrations
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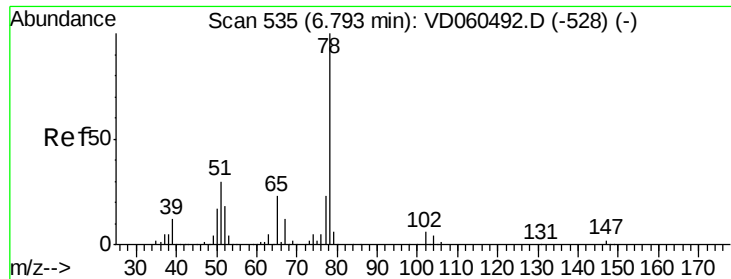
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.763 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.0	76.4
61	45.6	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 21.763 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 65 Resp: 548440

Ion Ratio Lower Upper

65 100

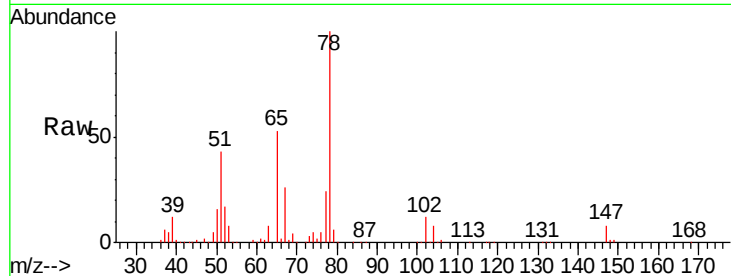
67 50.3 0.0 106.8

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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

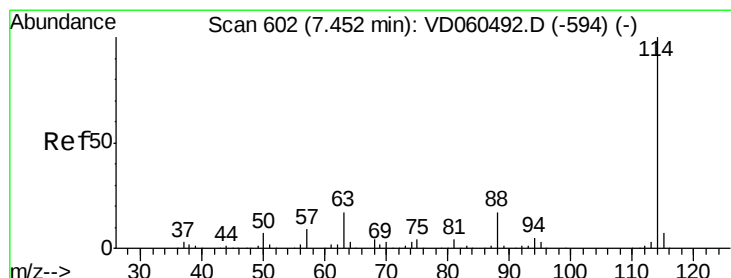
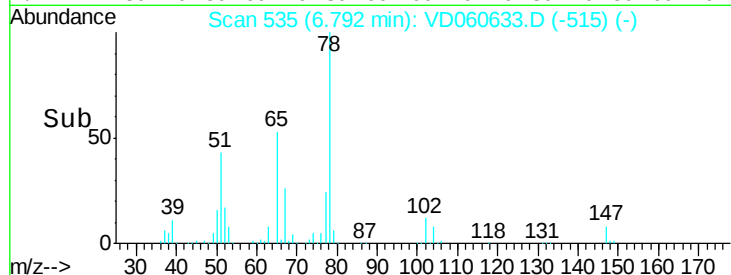
100000

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: VD060633.D

Acq: 19 Dec 2018 11:49

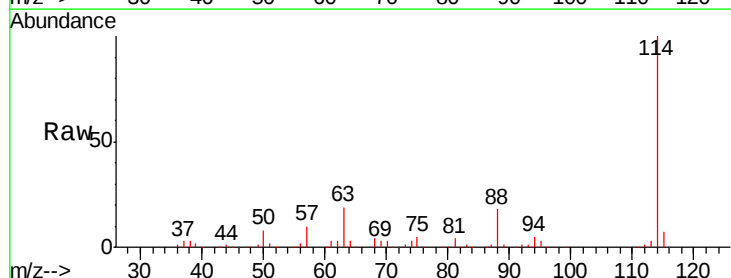
Tgt Ion: 114 Resp: 2055928

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

88 18.3 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

1000000

800000

600000

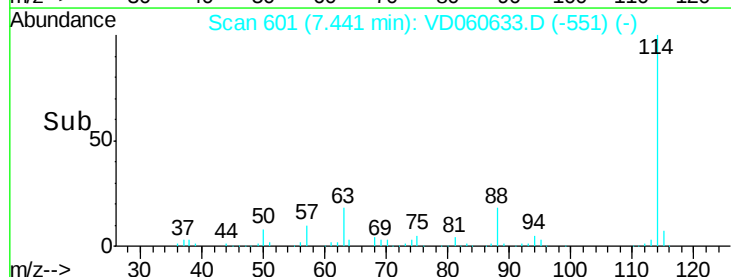
400000

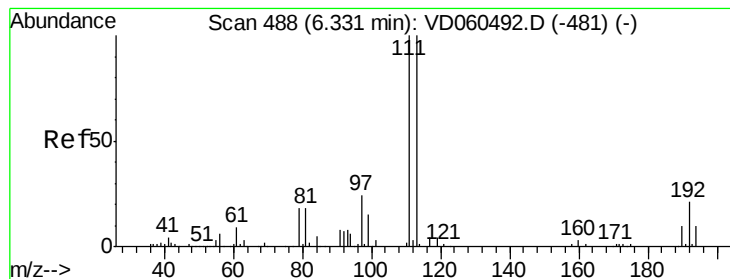
200000

0

7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

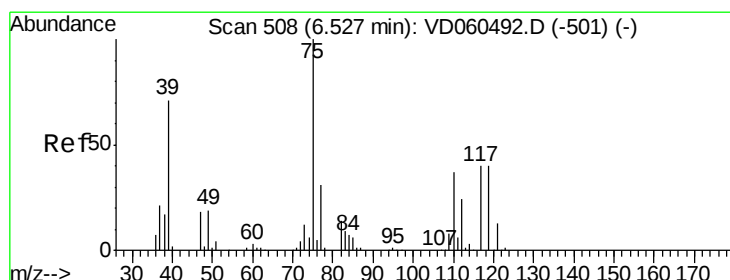
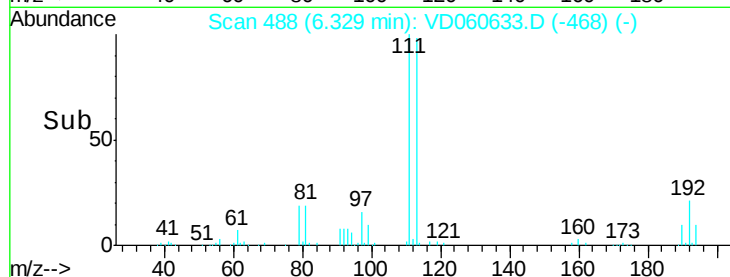
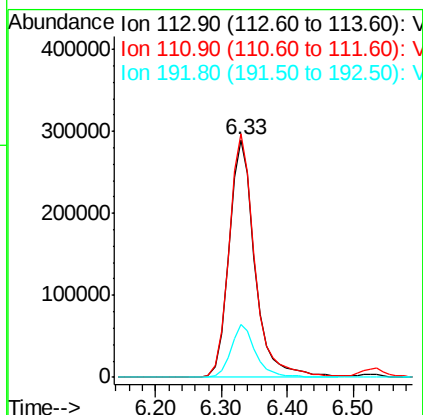
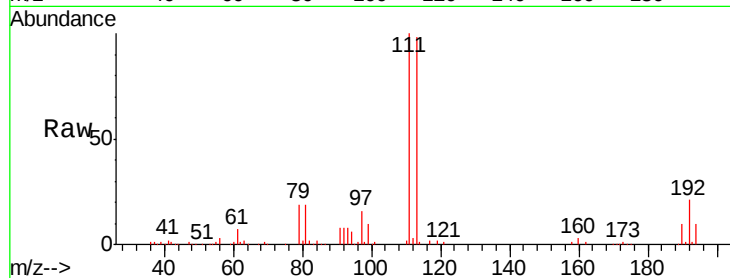
ClientSampleId :

VD1219SBS01

Tgt Ion:	113	Resp:	794448
Ion Ratio	Lower	Upper	
113	100		
111	102.4	80.2	120.4
192	22.0	16.6	24.8

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#36

1,1-Dichloropropene

Concen: 22.657 ug/l

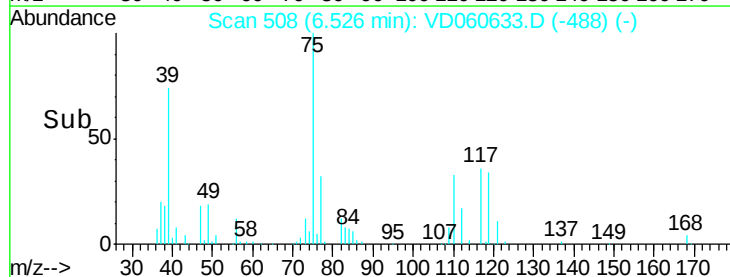
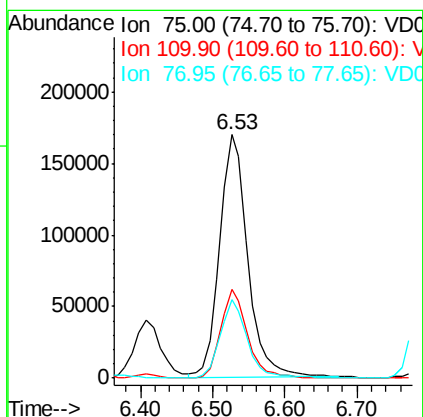
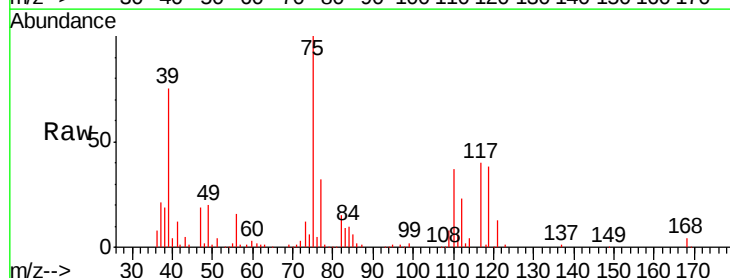
RT: 6.53 min Scan# 508

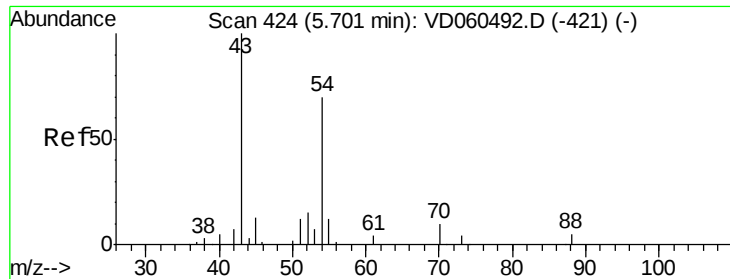
Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion:	75	Resp:	455324
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.3	54.8
77	32.1	24.6	37.0





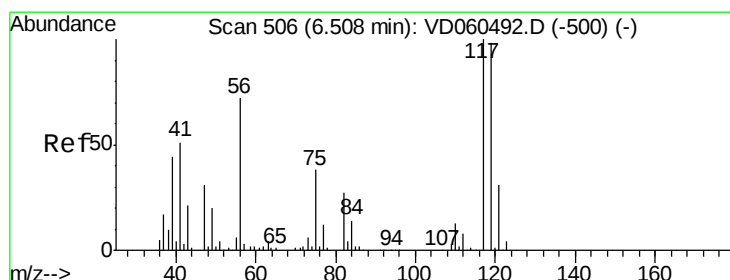
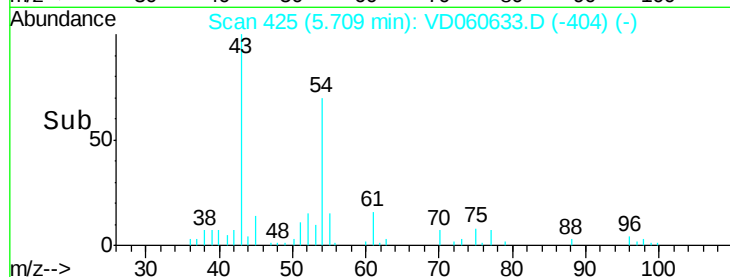
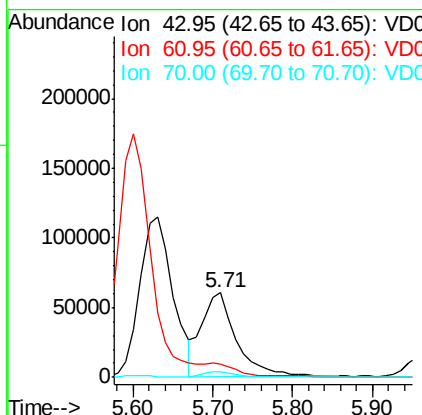
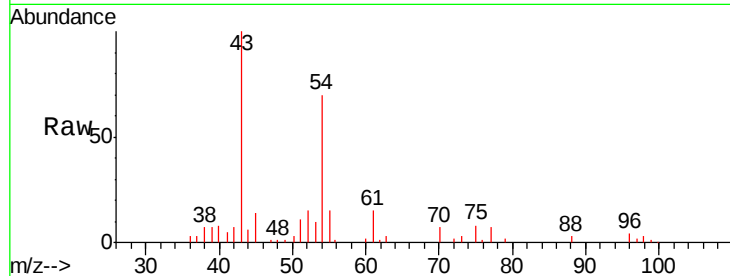
#37
Ethyl Acetate
Concen: 20.771 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	7.0	5.4	8.0

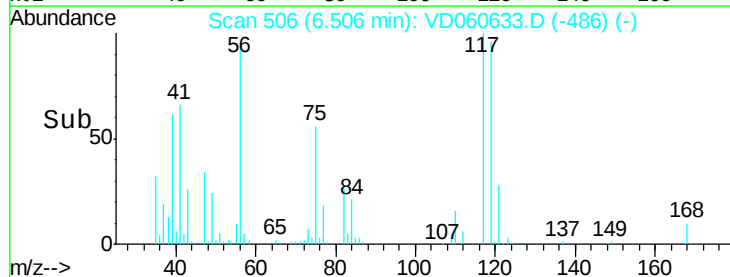
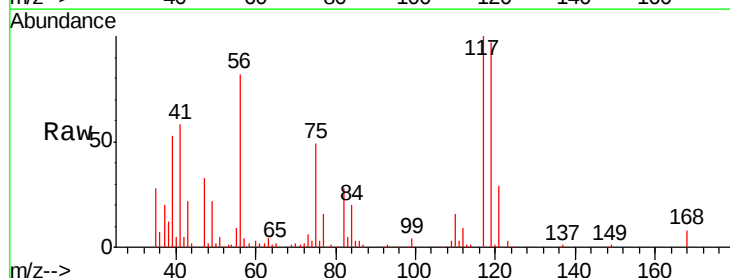
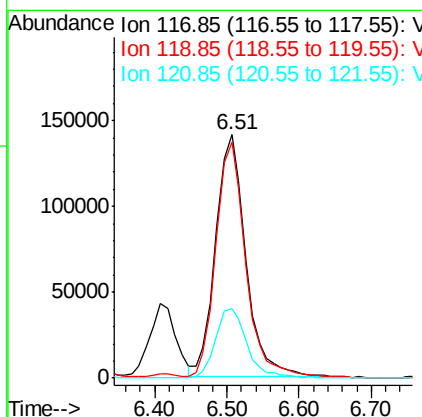
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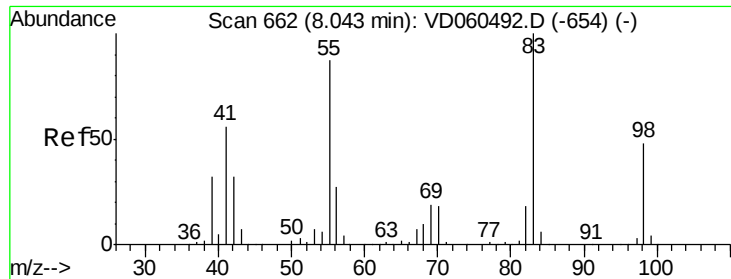
apatel
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#38
Carbon Tetrachloride
Concen: 22.484 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	28.6	24.4	36.6





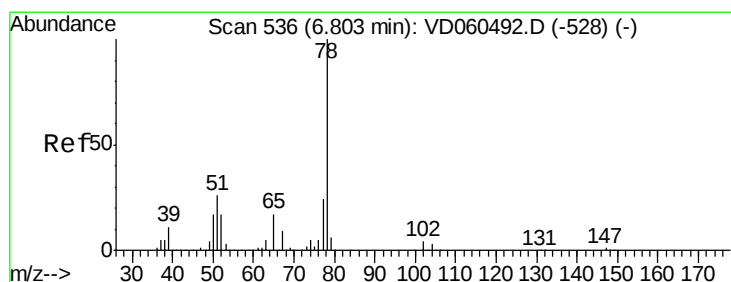
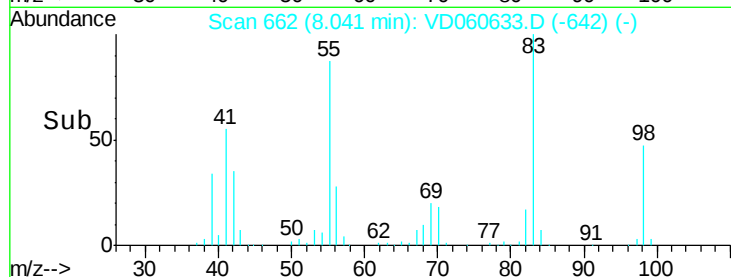
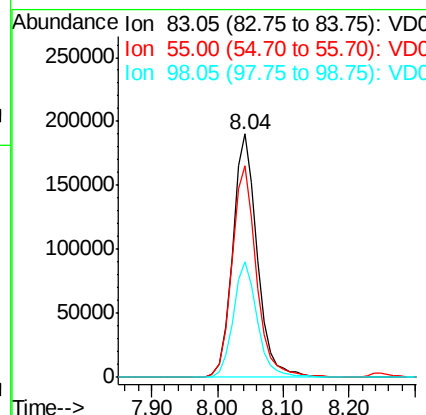
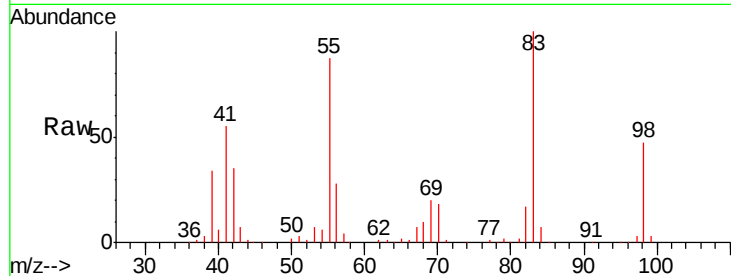
#39
Methylcyclohexane
Concen: 21.673 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.0	69.8	104.8
98	47.4	38.4	57.6

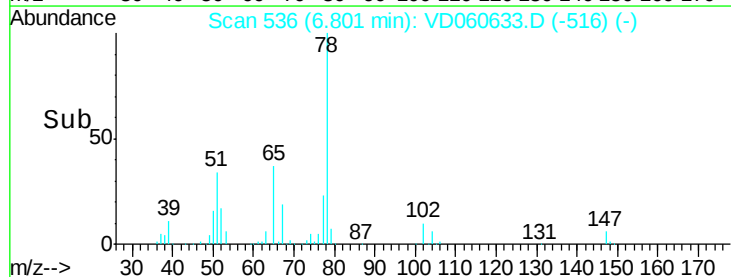
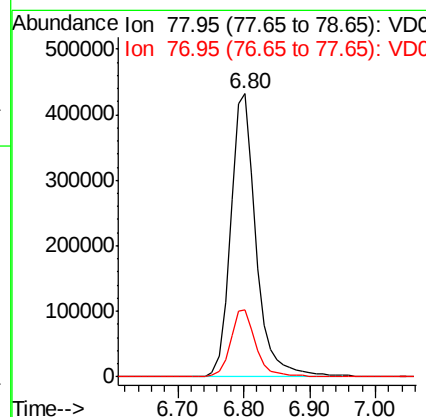
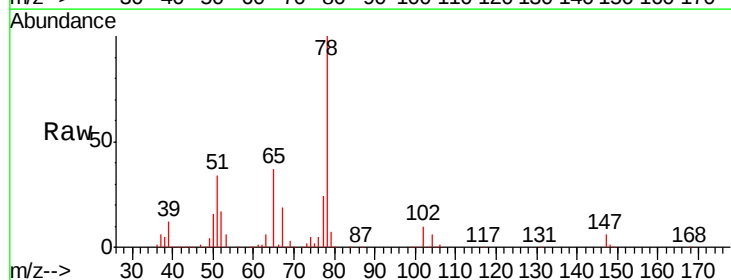
Manual Integrations
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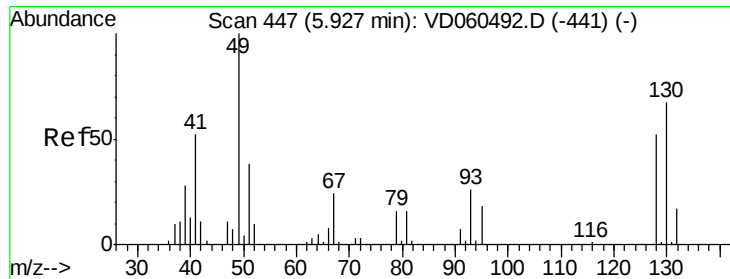
apatel
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#40
Benzene
Concen: 22.596 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





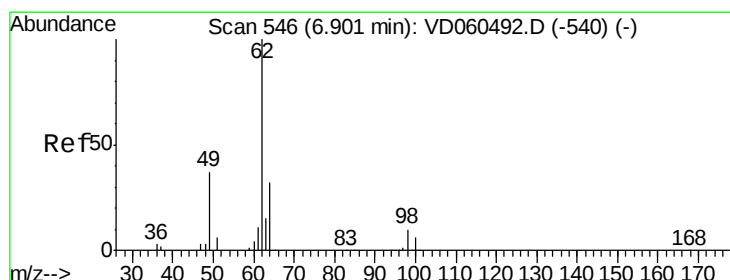
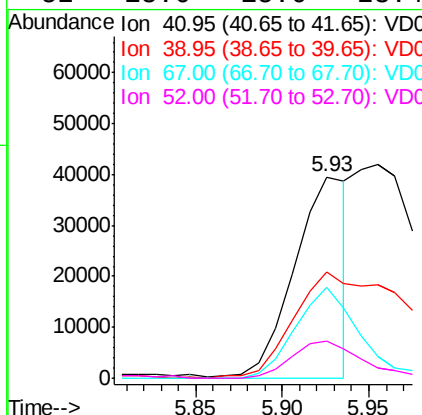
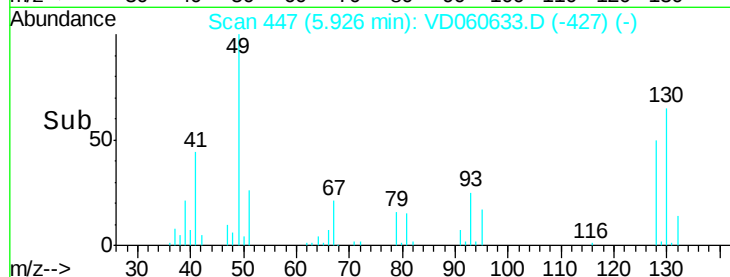
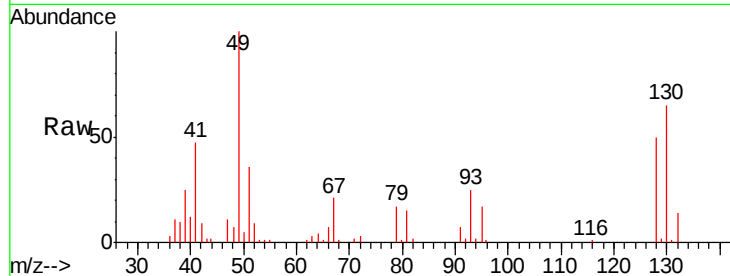
#41
Methacrylonitrile
Concen: 18.309 ug/l m
RT: 5.93 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	45.0	36.2	54.4
52	18.6	15.6	23.4

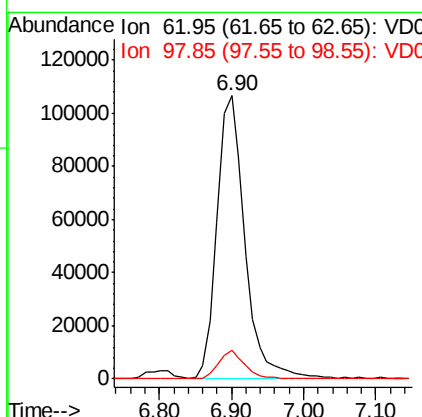
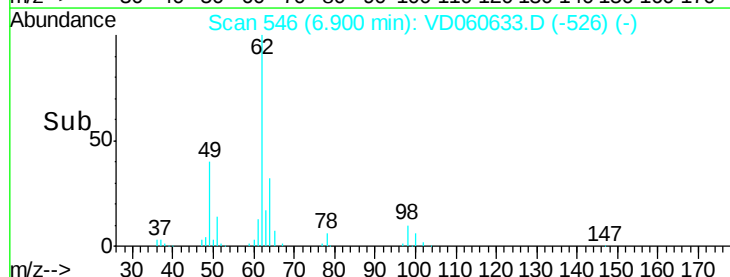
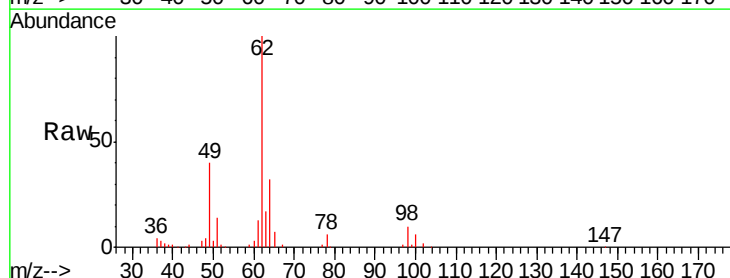
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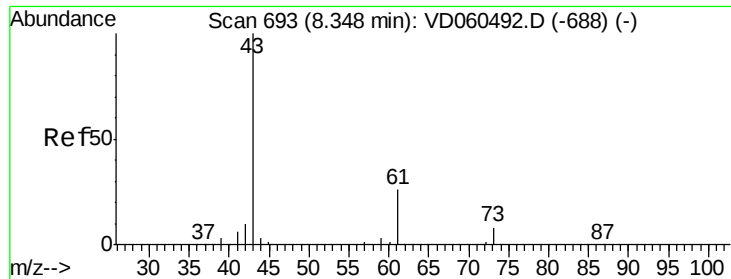
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#42
1,2-Dichloroethane
Concen: 21.622 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.522 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

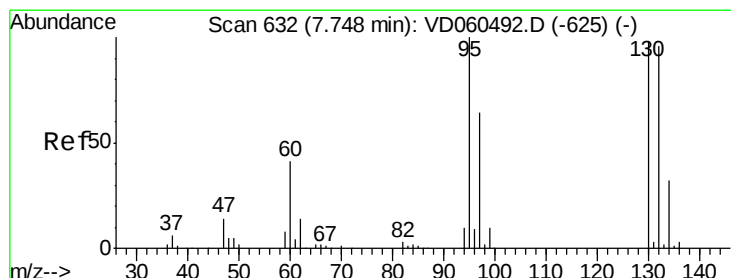
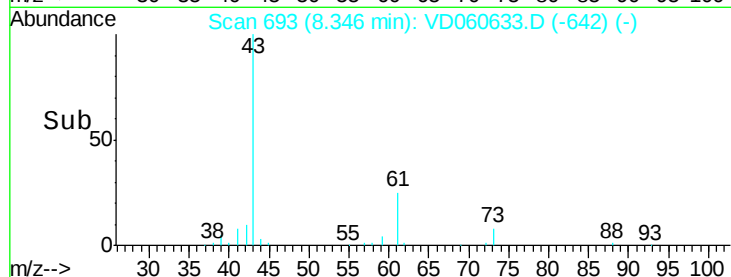
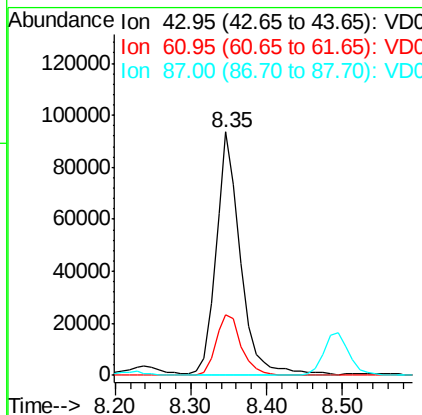
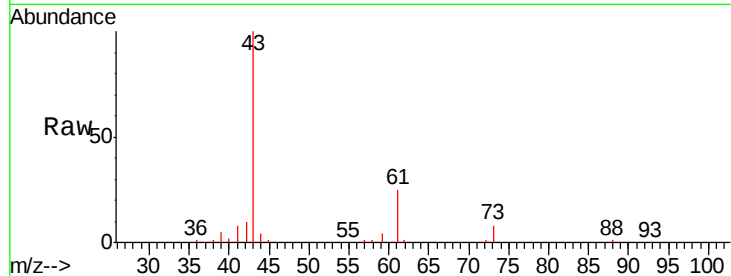
ClientSampleId :

VD1219SBS01

Tgt Ion:	43	Resp:	210030
Ion	Ratio	Lower	Upper
43	100		
61	25.0	21.0	31.4
87	0.0	0.2	0.2#

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#44

Trichloroethene

Concen: 21.977 ug/l

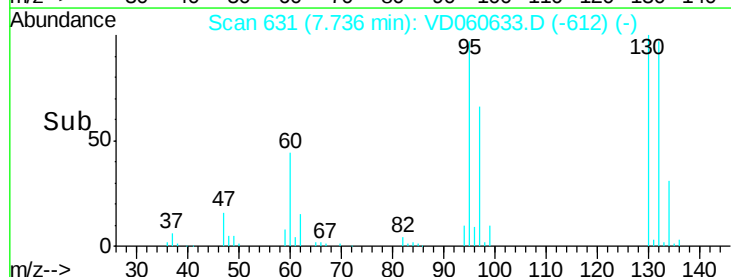
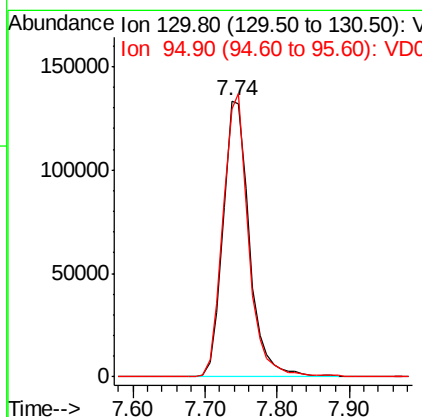
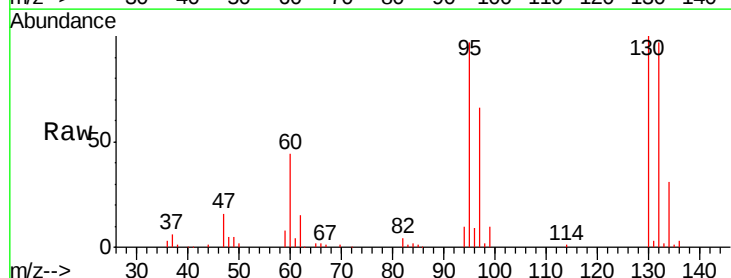
RT: 7.74 min Scan# 631

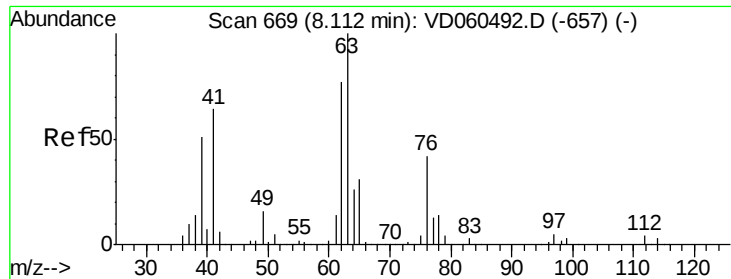
Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion:	130	Resp:	337332
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	203.8





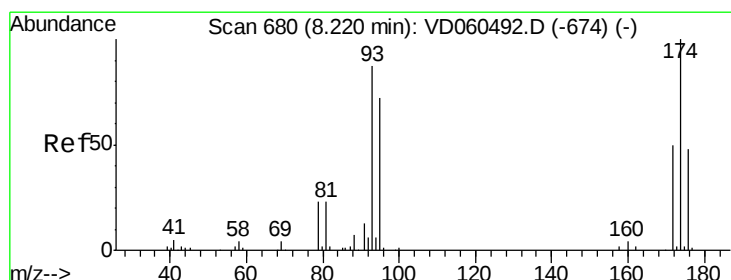
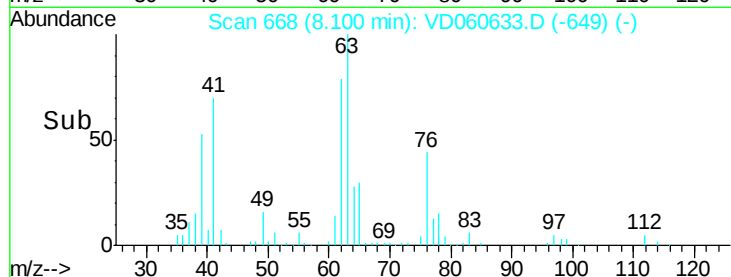
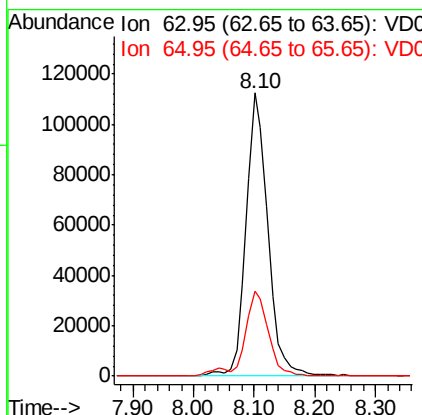
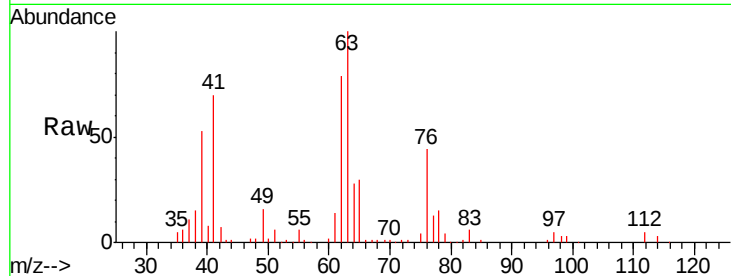
#45
 1,2-Dichloropropane
 Concen: 22.162 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion: 63 Resp: 281512
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

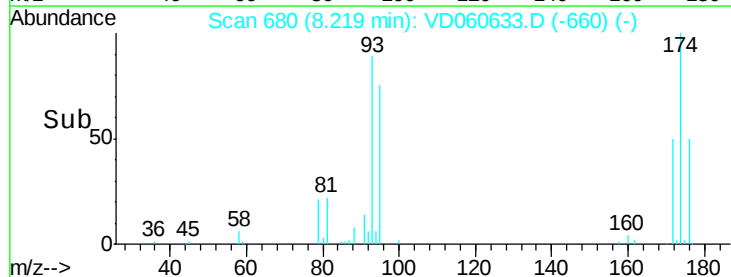
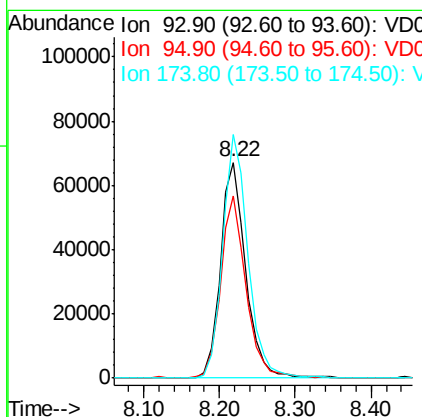
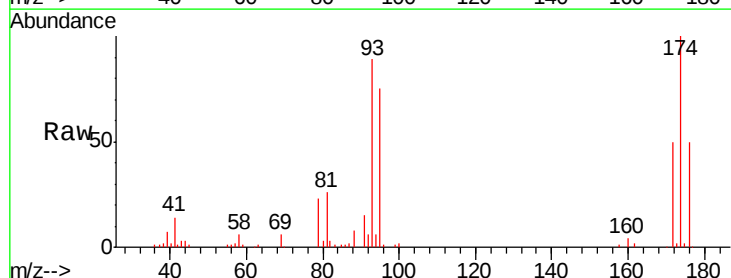
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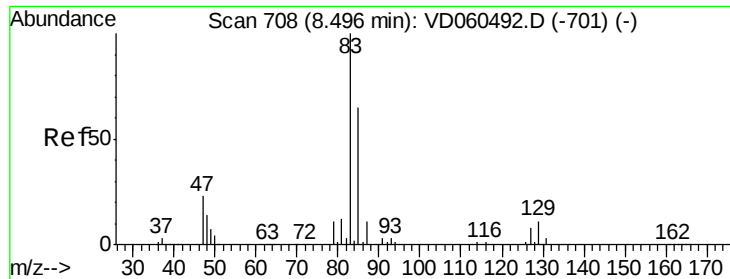
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#46
 Dibromomethane
 Concen: 21.157 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 93 Resp: 155272
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.6 98.4
 174 113.0 91.7 137.5





#47

Bromodichloromethane

Concen: 21.915 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

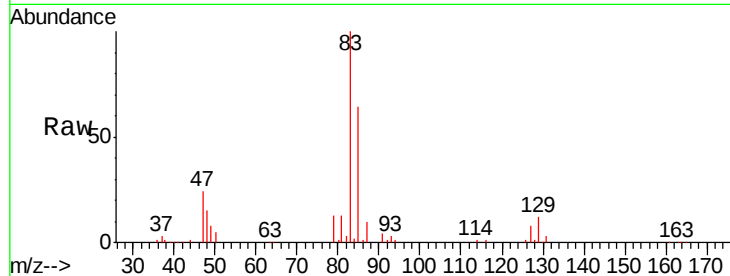
ClientSampleId :

VD1219SBS01

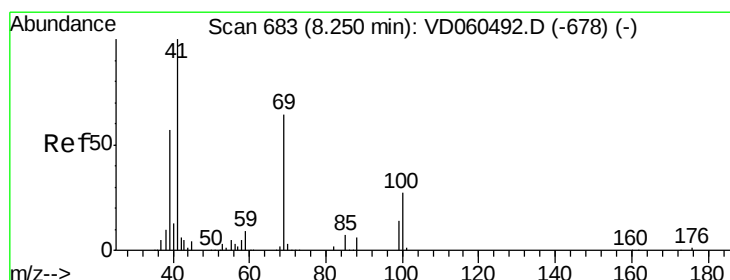
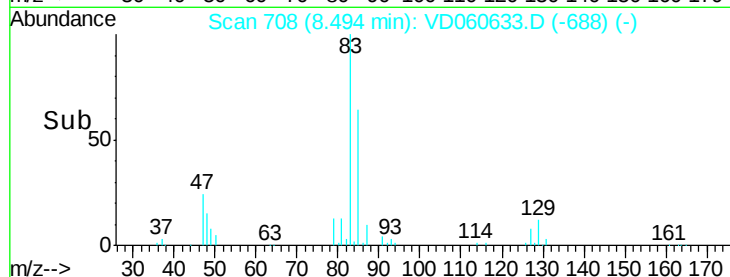
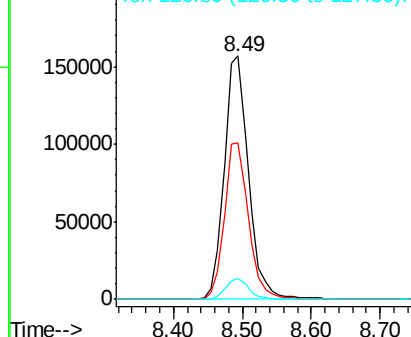
Tgt Ion:	83	Resp:	381618
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4
127	8.5	6.7	10.1

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.309 ug/l

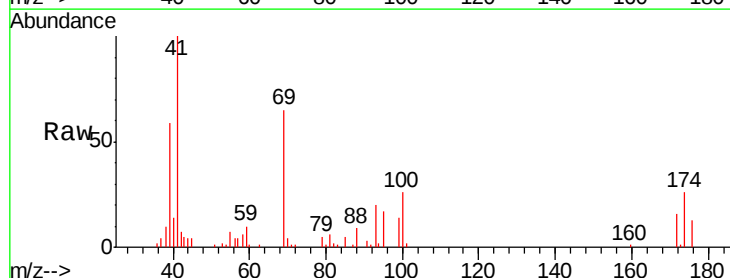
RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

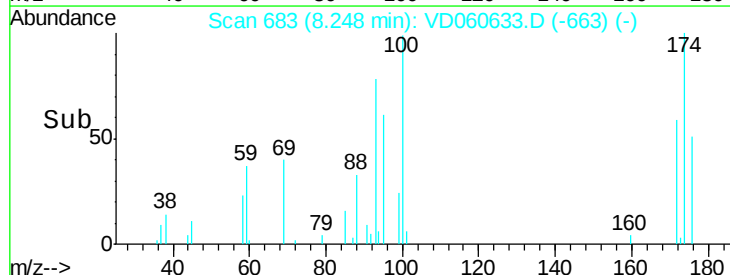
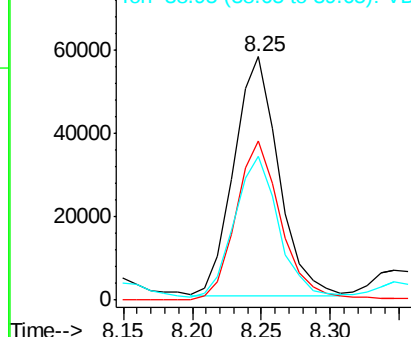
Lab File: VD060633.D

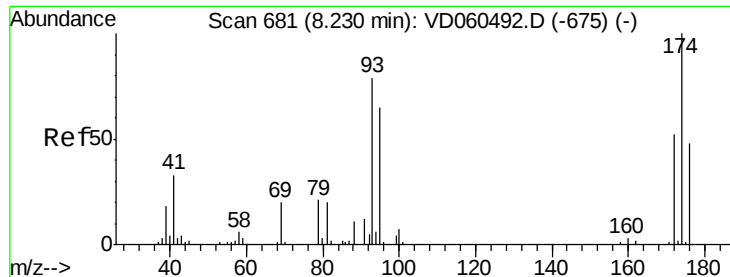
Acq: 19 Dec 2018 11:49

Tgt Ion:	41	Resp:	129283
Ion Ratio	Lower	Upper	
41	100		
69	65.2	50.2	75.4
39	59.2	46.1	69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





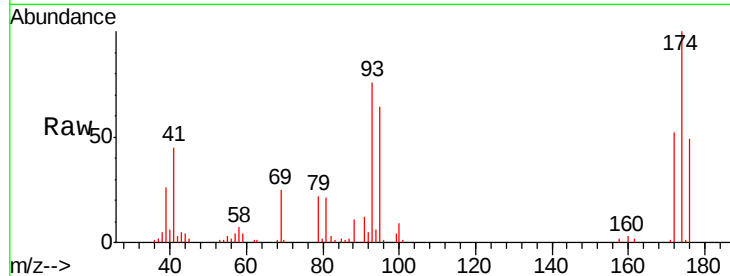
#49
1,4-Dioxane
Concen: 415.823 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

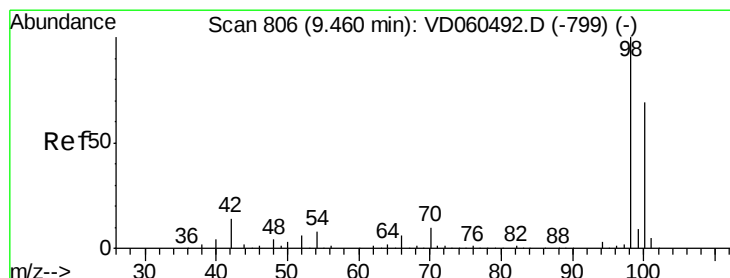
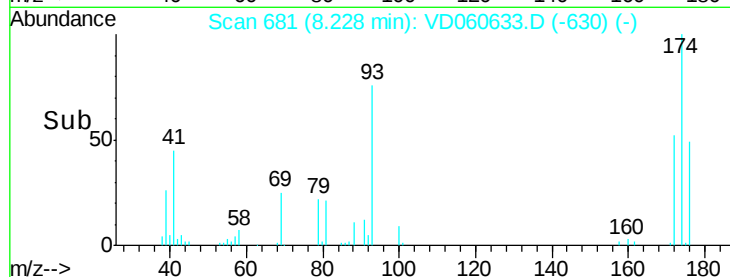
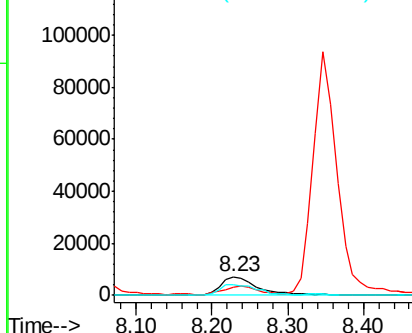
Tgt Ion	Ratio	Lower	Upper
88	100		
43	45.6	32.9	49.3
58	59.2	47.7	71.5

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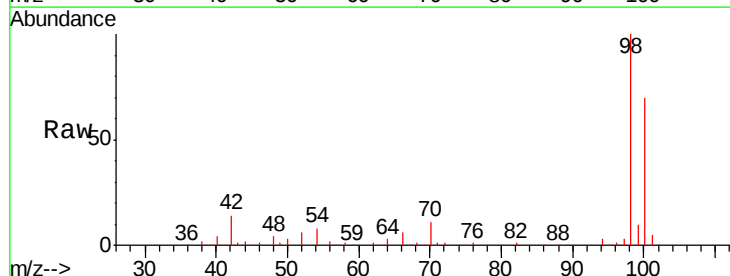


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

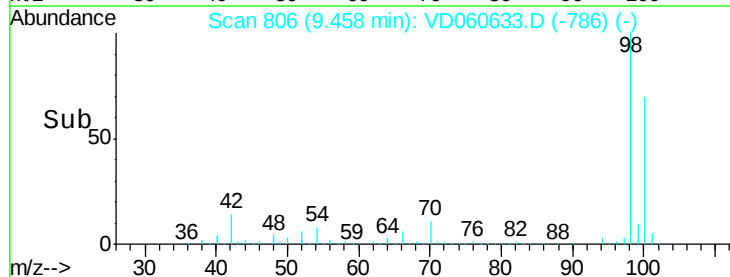
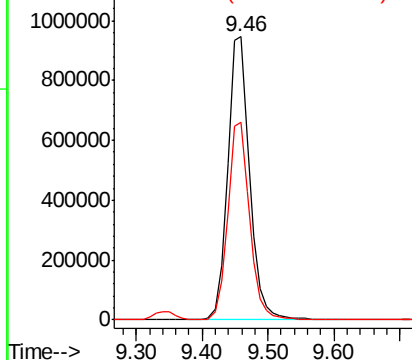


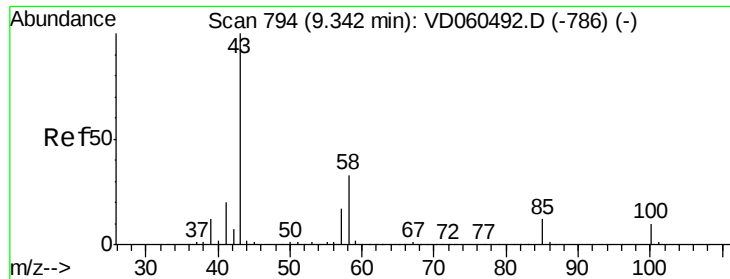
#50
Toluene-d8
Concen: 415.823 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	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: 101.988 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 43 Resp: 682539

Ion Ratio Lower Upper

43 100

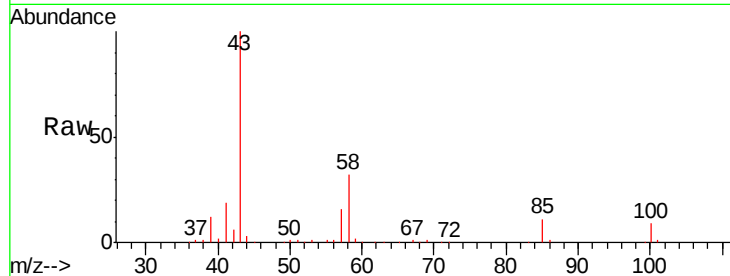
58 32.5 26.3 39.5

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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

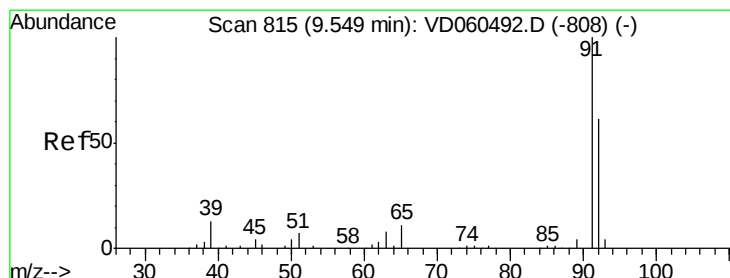
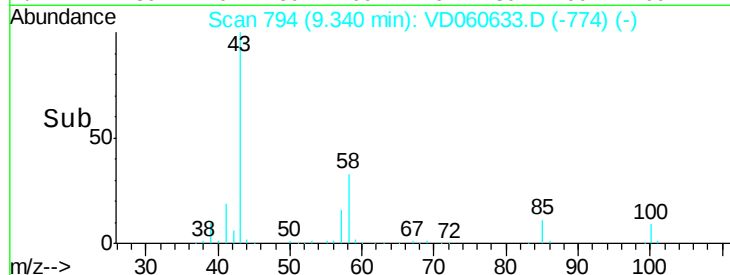
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.599 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060633.D

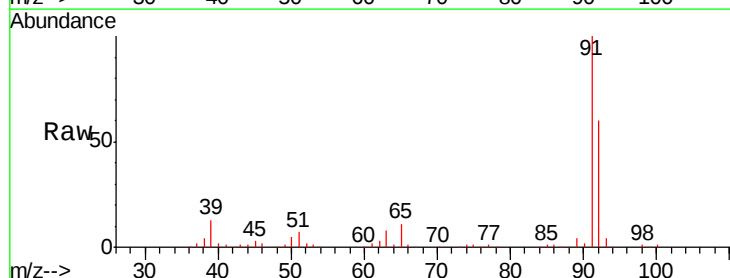
Acq: 19 Dec 2018 11:49

Tgt Ion: 92 Resp: 693370

Ion Ratio Lower Upper

92 100

91 167.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

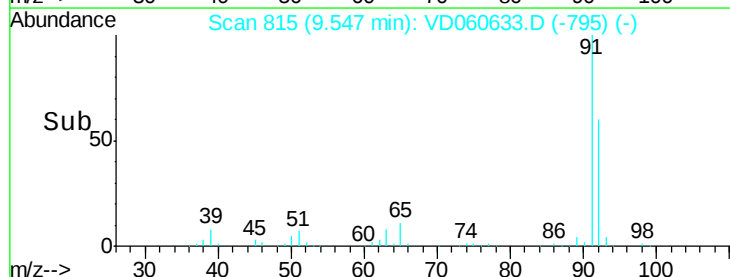
300000

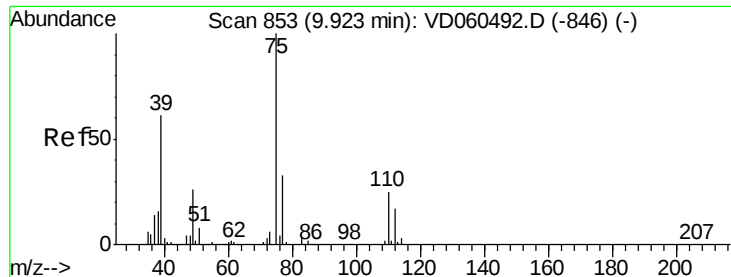
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.485 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 75 Resp: 307419

Ion Ratio Lower Upper

75 100

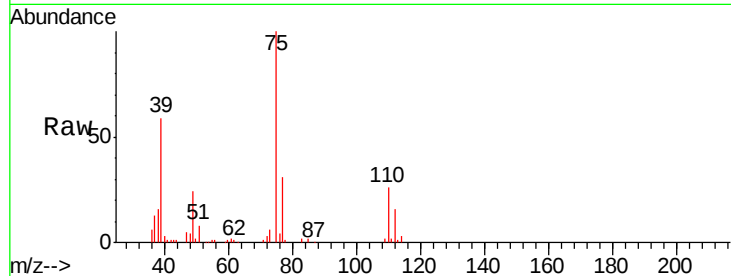
77 30.9 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

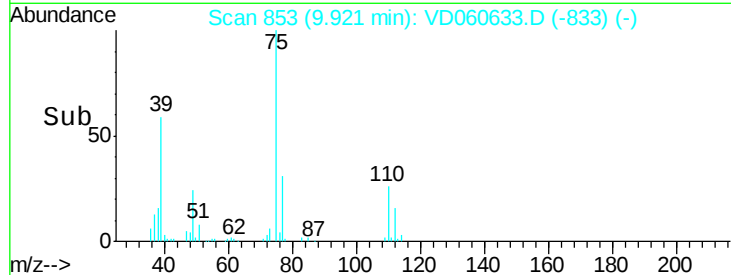
150000

100000

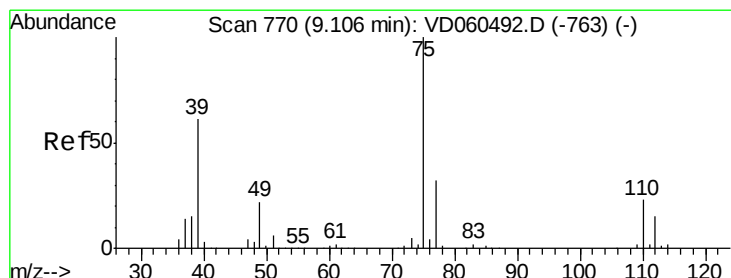
50000

0

9.80 9.90 10.00



Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.542 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

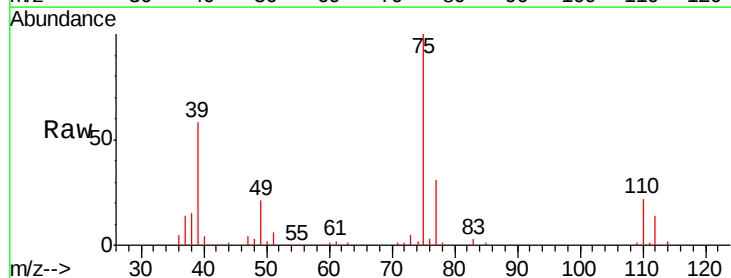
Tgt Ion: 75 Resp: 404984

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 58.3 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

250000

200000

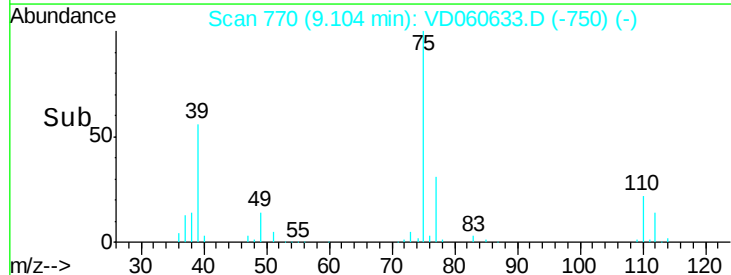
150000

100000

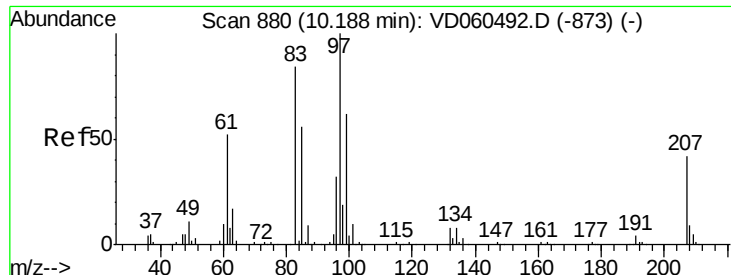
50000

0

9.00 9.10 9.20



Time-->



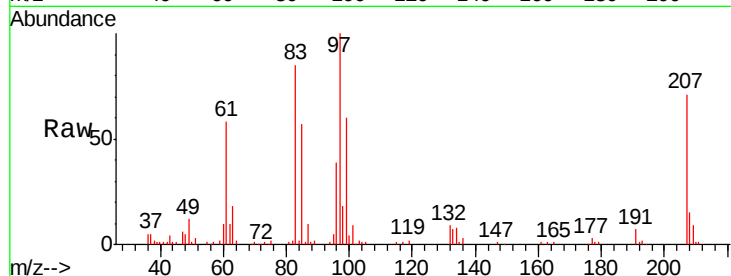
#55
 1,1,2-Trichloroethane
 Concen: 21.016 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

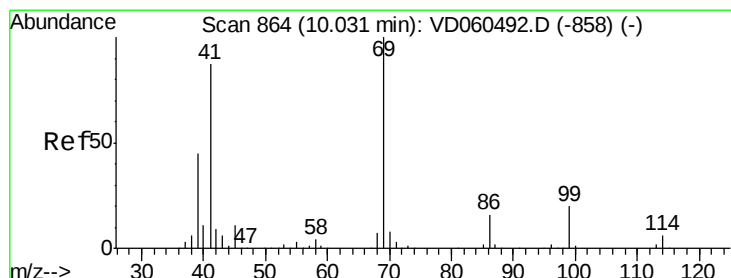
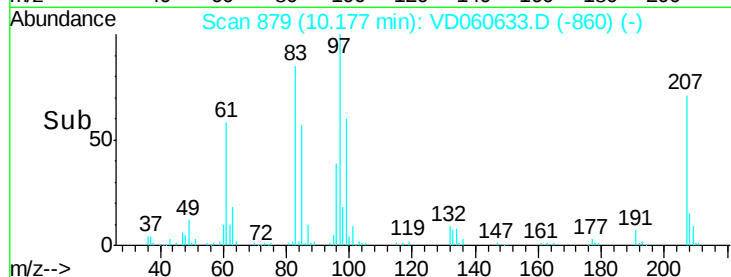
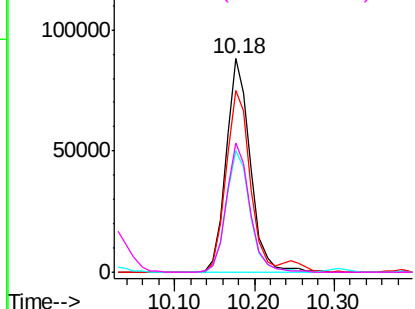
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	187873		
83	85.0	67.2	100.8	
85	57.1	44.5	66.7	
99	60.3	49.3	73.9	

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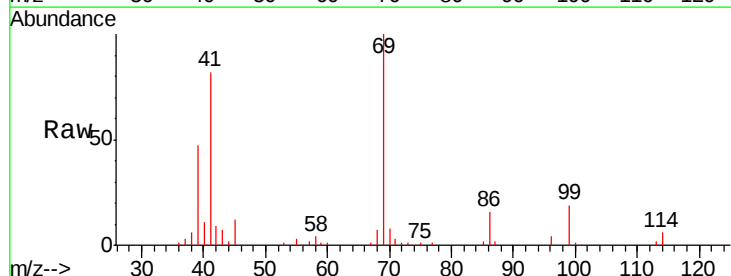


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

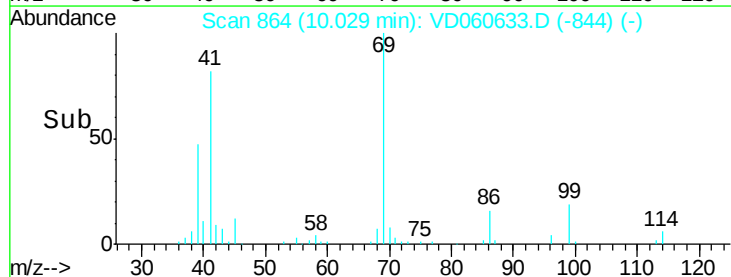
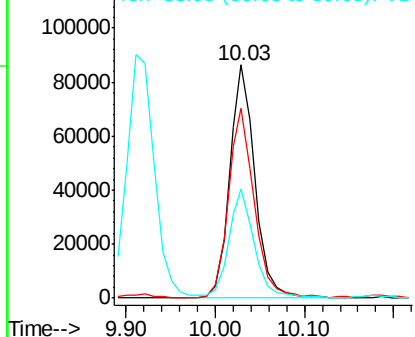


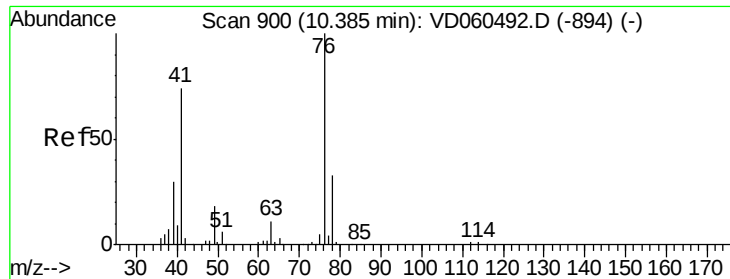
#56
 Ethyl methacrylate
 Concen: 21.058 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	170367		
41	81.8	69.8	104.8	
39	46.7	37.5	56.3	



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





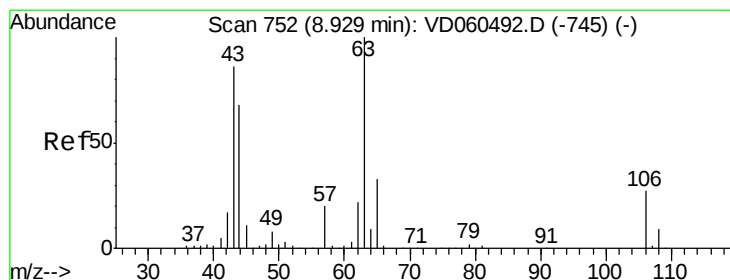
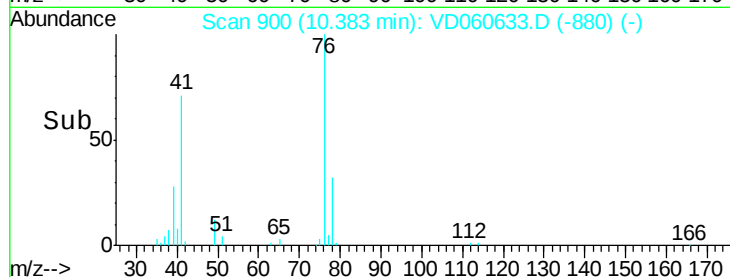
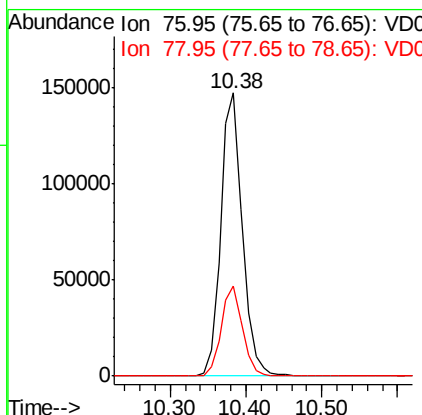
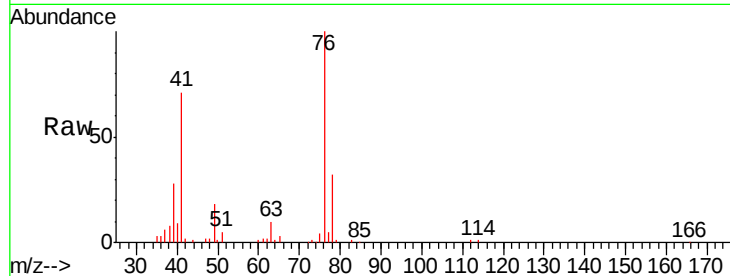
#57
 1,3-Dichloropropane
 Concen: 21.000 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion: 76 Resp: 290208
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

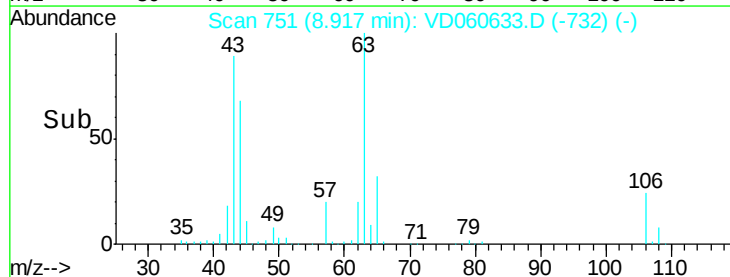
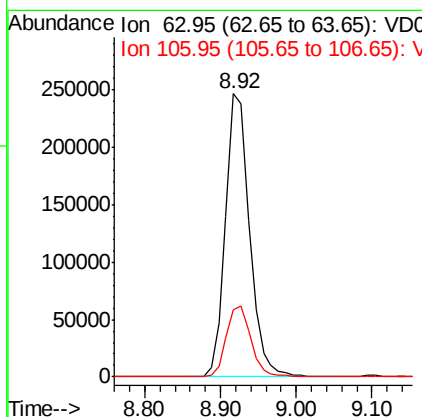
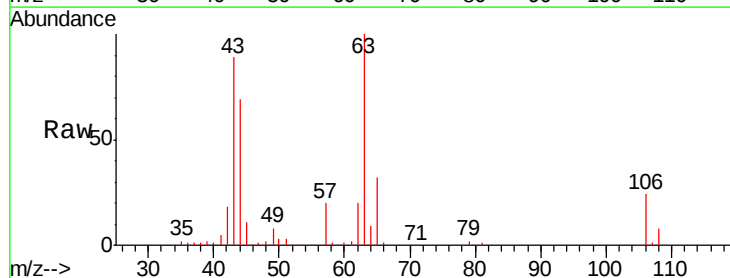
Manual Integrations
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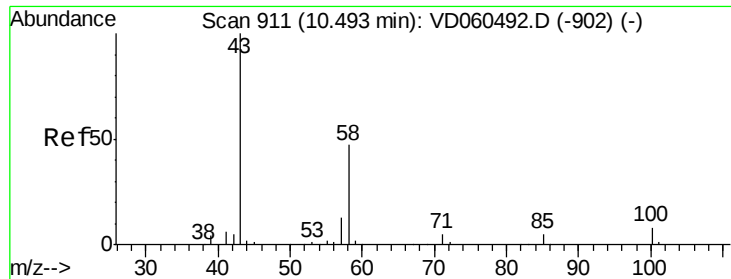
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.592 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 63 Resp: 545049
 Ion Ratio Lower Upper
 63 100
 106 23.9 21.6 32.4





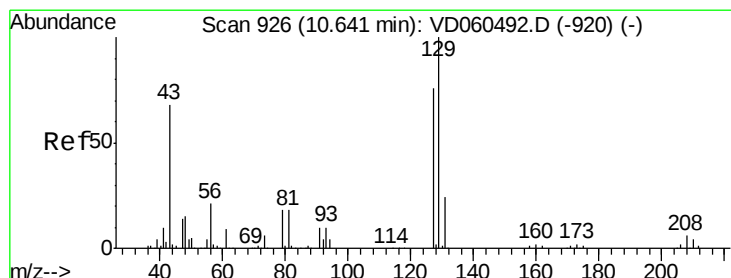
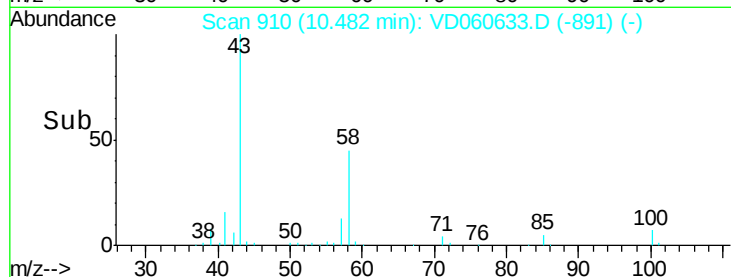
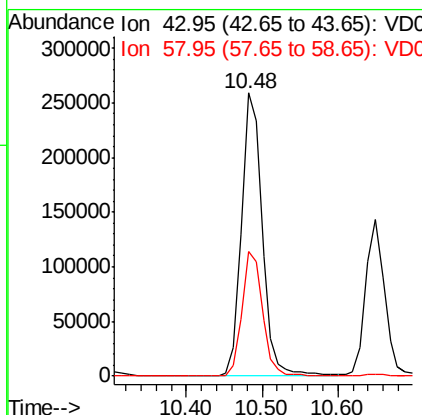
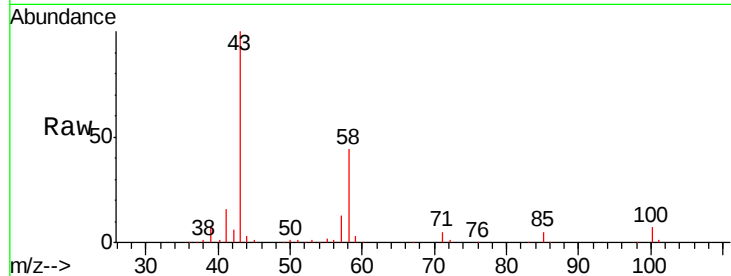
#59
2-Hexanone
Concen: 104.796 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 43 Resp: 490214
Ion Ratio Lower Upper
43 100
58 44.2 23.4 70.2

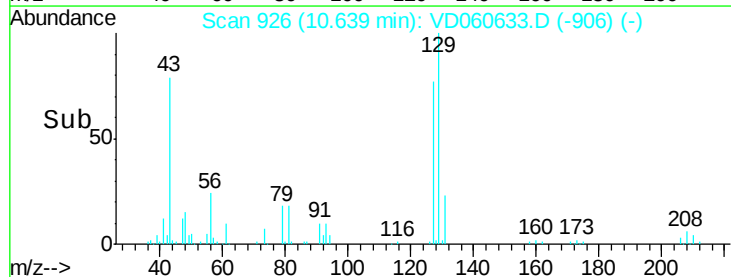
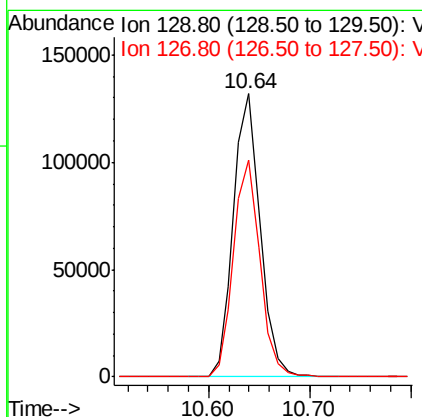
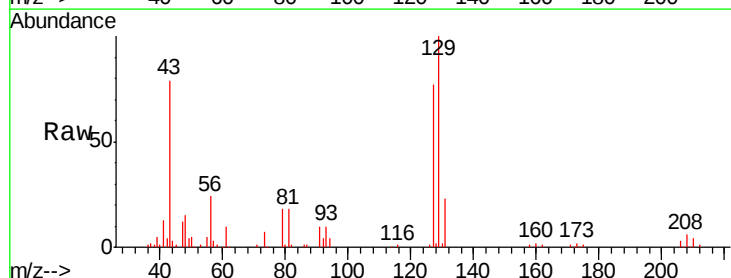
Manual Integrations
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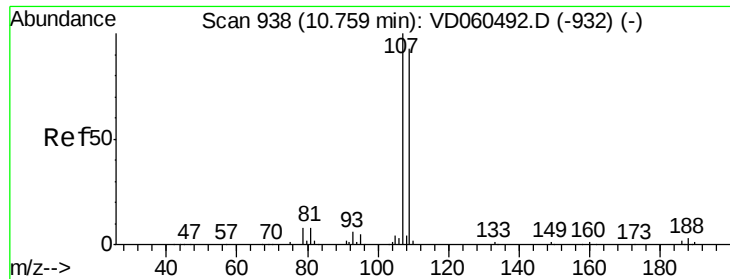
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#60
Dibromochloromethane
Concen: 21.786 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 129 Resp: 243504
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





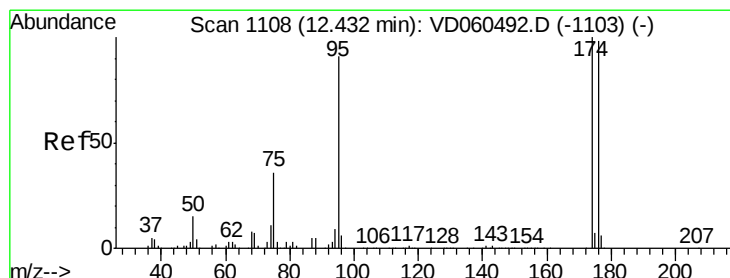
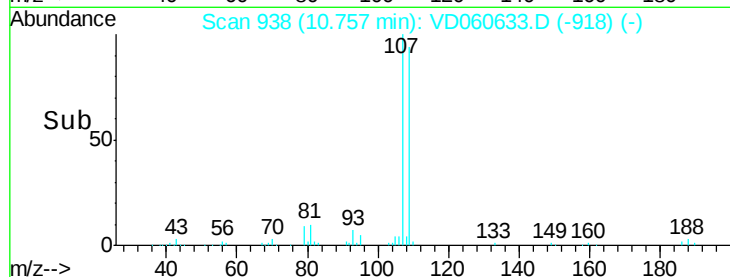
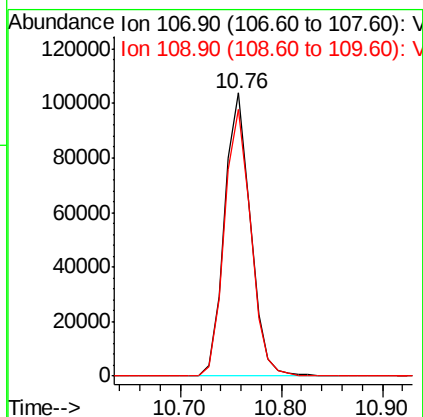
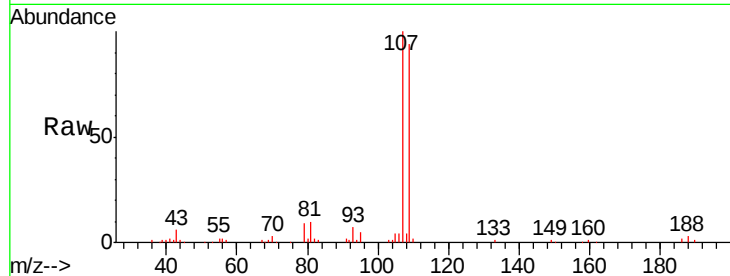
#61
1,2-Dibromoethane
Concen: 20.389 ug/l
RT: 10.76 min Scan# 938
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	185755		
109	94.2	74.7	112.1	

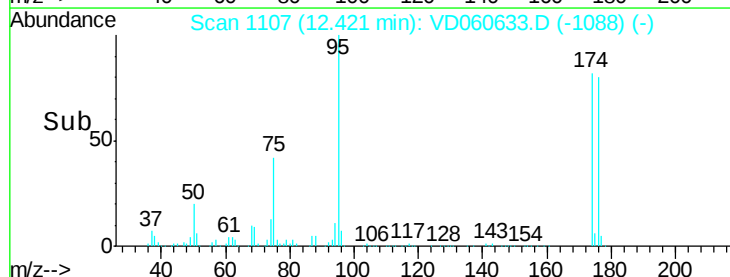
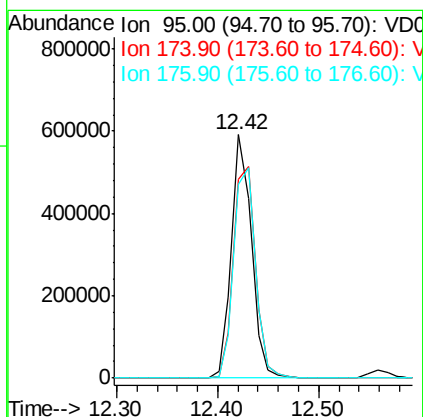
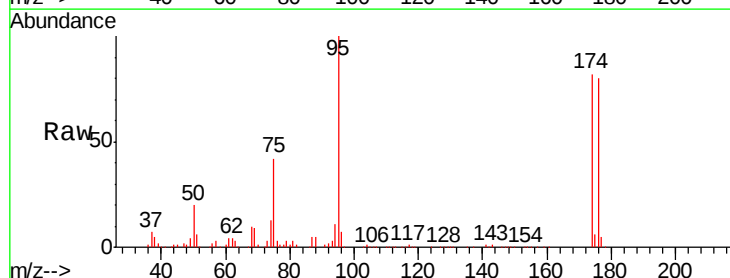
Manual Integrations
APPROVED

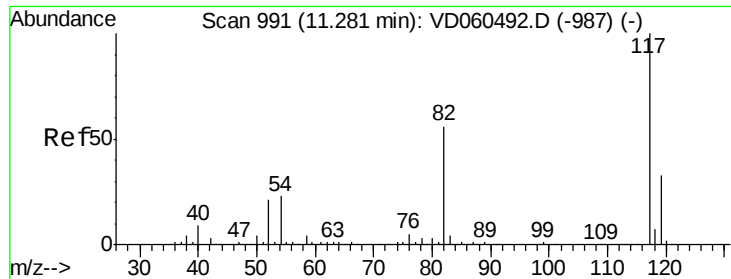
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#62
4-Bromofluorobenzene
Concen: 20.389 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	814717		
174	81.7	0.0	219.4	
176	79.7	0.0	214.6	





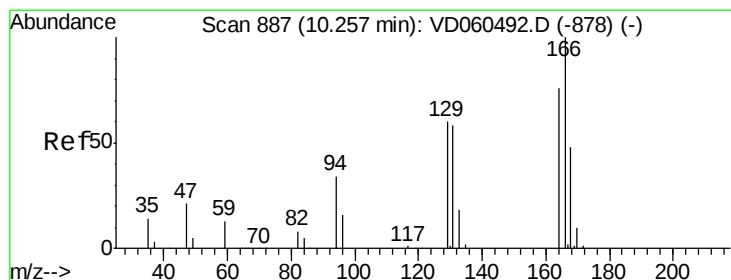
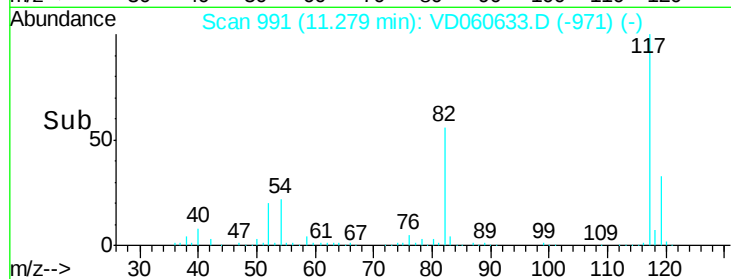
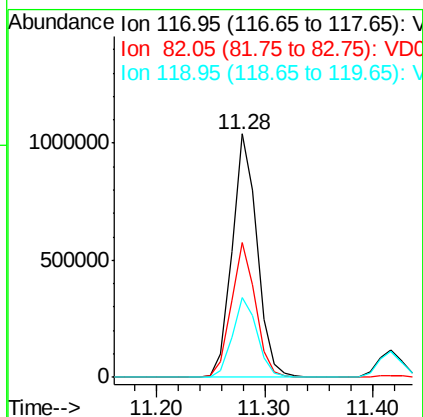
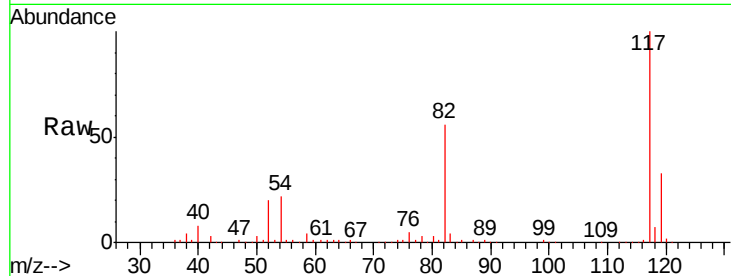
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion:117 Resp: 1674376
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.8 26.1 39.1

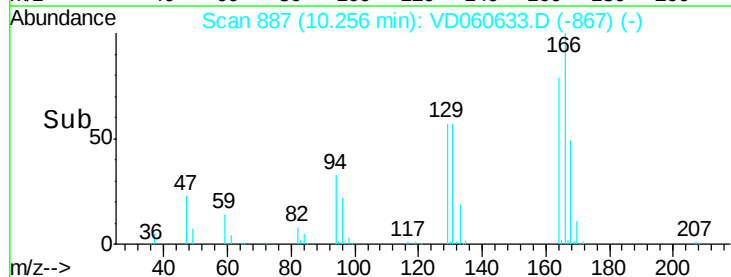
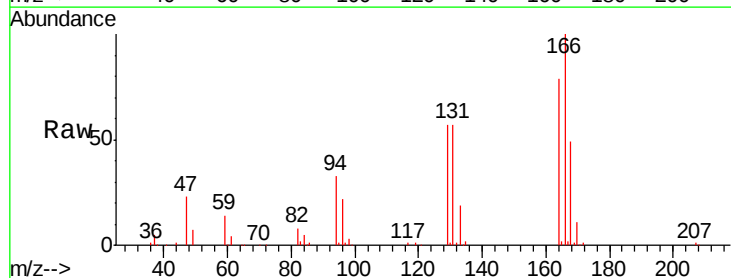
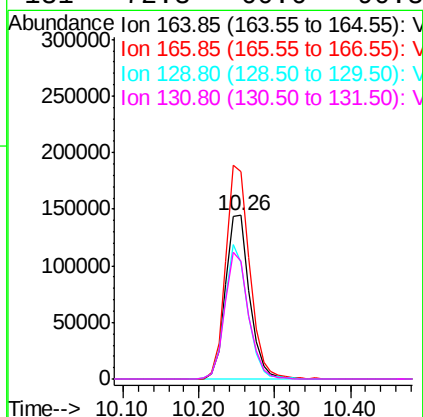
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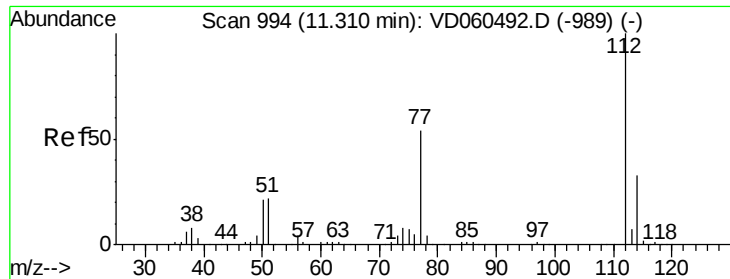
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#64
Tetrachloroethene
Concen: 21.304 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:164 Resp: 315859
Ion Ratio Lower Upper
164 100
166 126.8 105.0 157.6
129 71.7 63.0 94.4
131 72.3 60.6 90.8





#65

Chlorobenzene

Concen: 21.532 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion:112 Resp: 762713

Ion Ratio Lower Upper

112 100

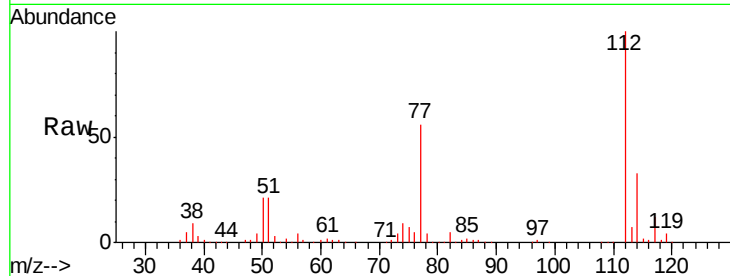
114 32.7 26.2 39.4

Manual Integrations

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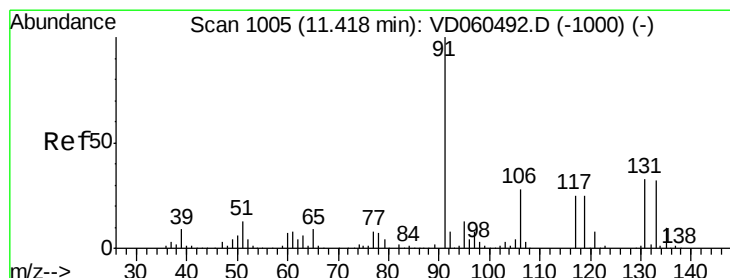
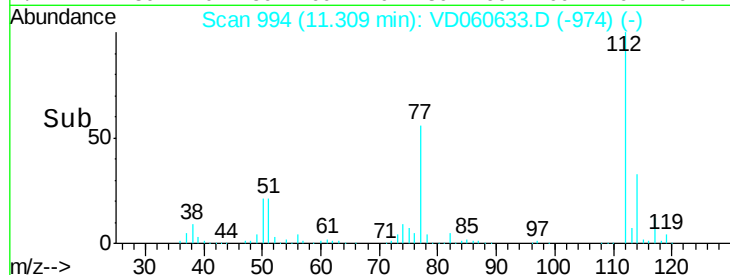
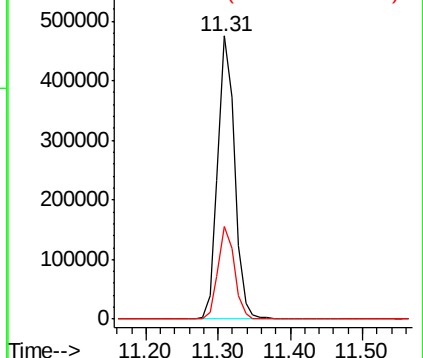
apatel

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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: 22.748 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

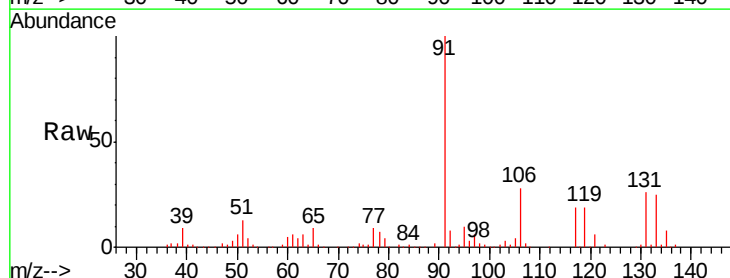
Tgt Ion:131 Resp: 259723

Ion Ratio Lower Upper

131 100

133 96.7 49.1 147.3

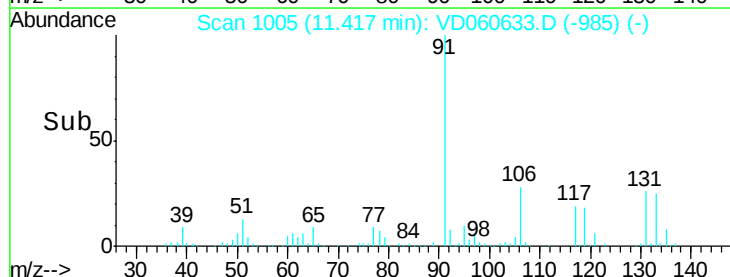
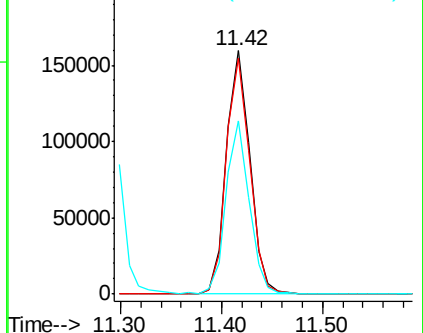
119 71.1 37.5 112.3

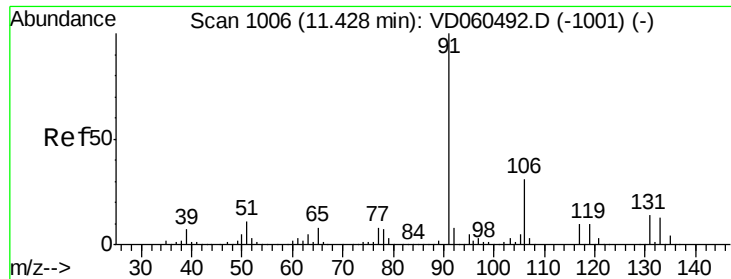


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 22.622 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 91 Resp: 1366808

Ion Ratio Lower Upper

91 100

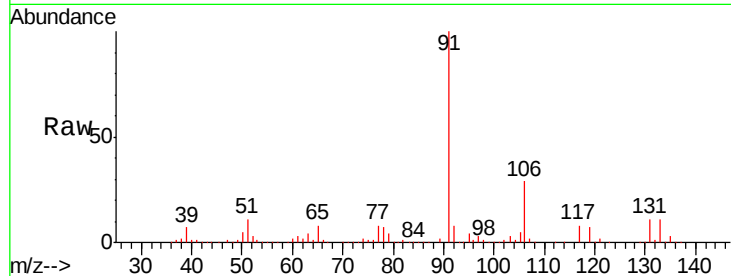
106 29.0 24.6 37.0

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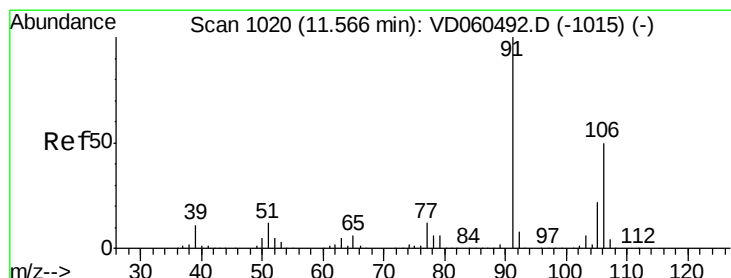
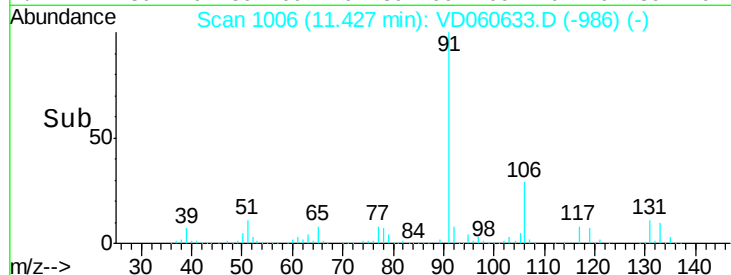
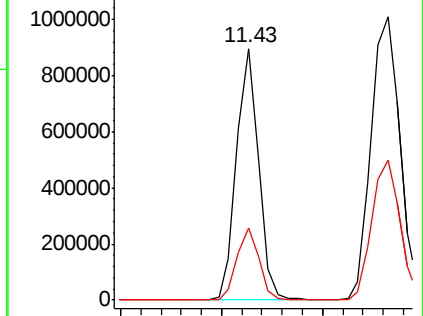
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 43.819 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD060633.D

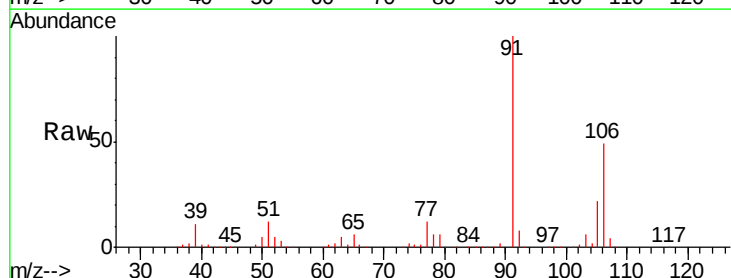
Acq: 19 Dec 2018 11:49

Tgt Ion: 106 Resp: 979478

Ion Ratio Lower Upper

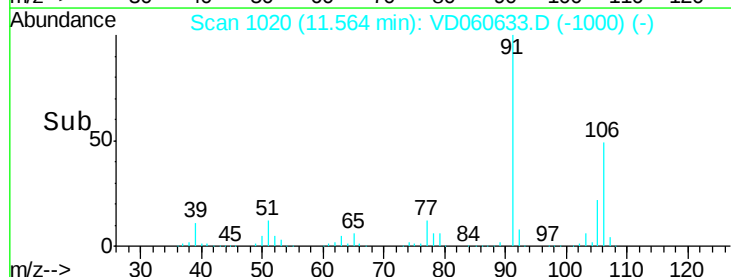
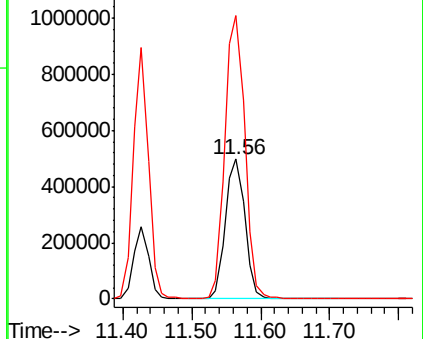
106 100

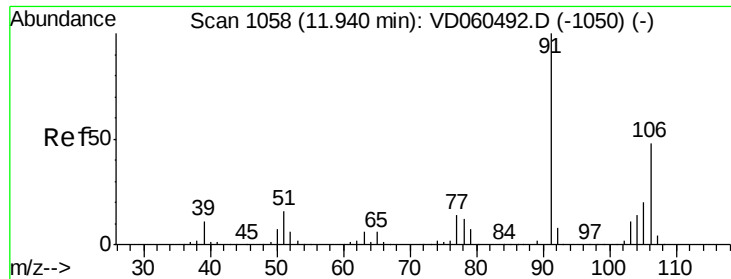
91 203.0 160.5 240.7



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC





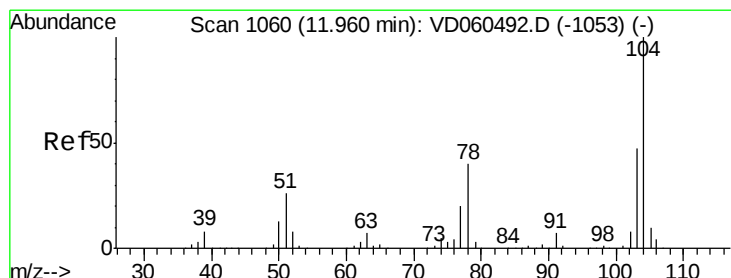
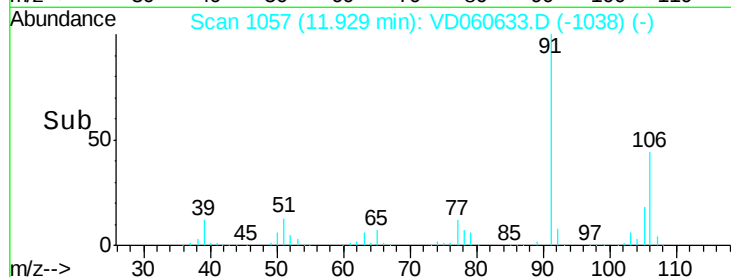
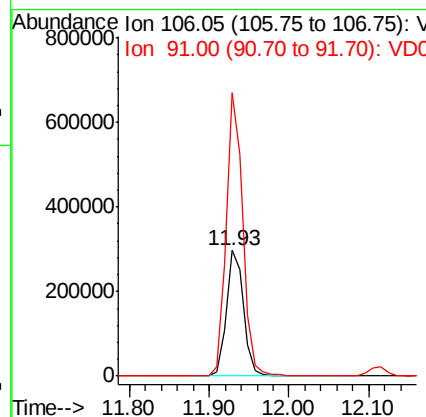
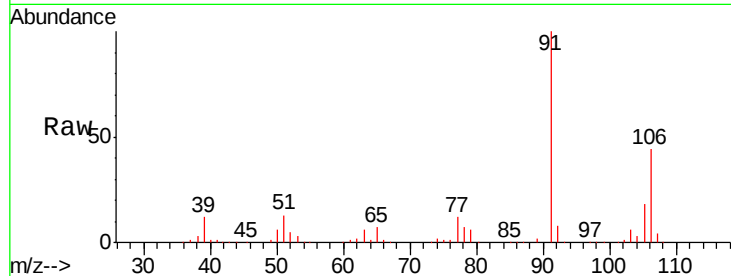
#69
o-Xylene
Concen: 21.280 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion:106 Resp: 453317
Ion Ratio Lower Upper
106 100
91 224.9 103.4 310.1

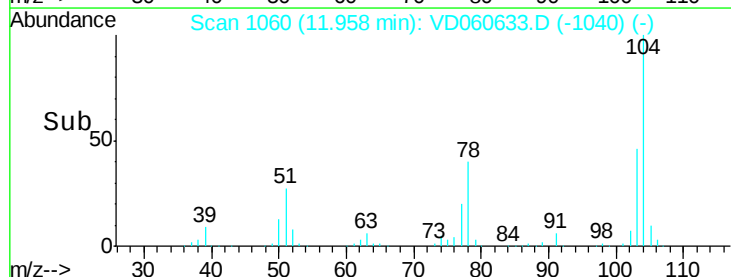
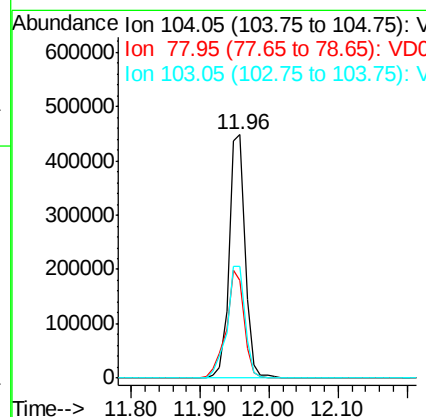
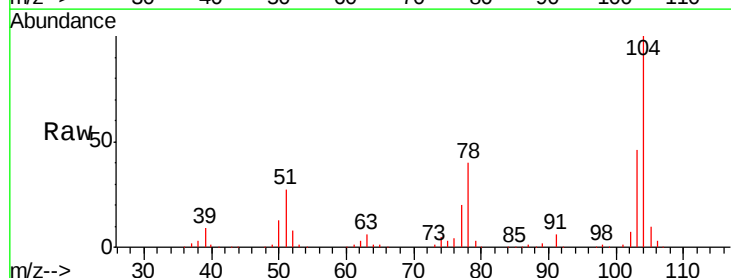
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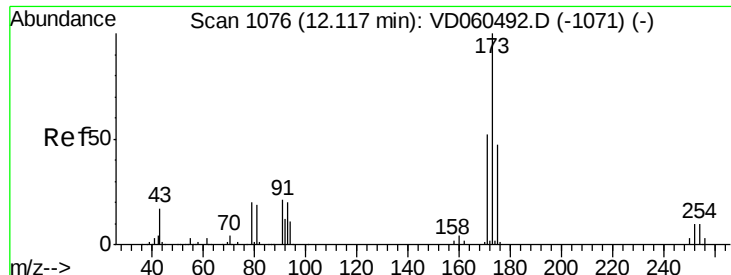
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#70
Styrene
Concen: 21.063 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:104 Resp: 720213
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 45.7 37.2 55.8





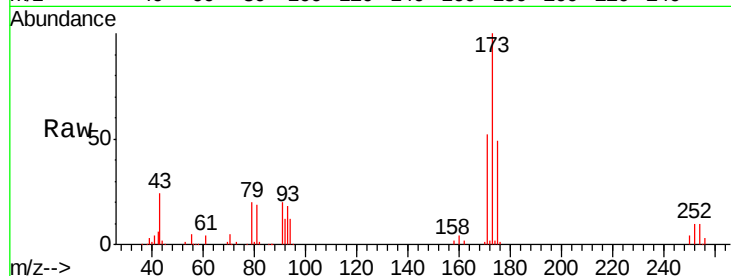
#71
Bromoform
Concen: 19.603 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

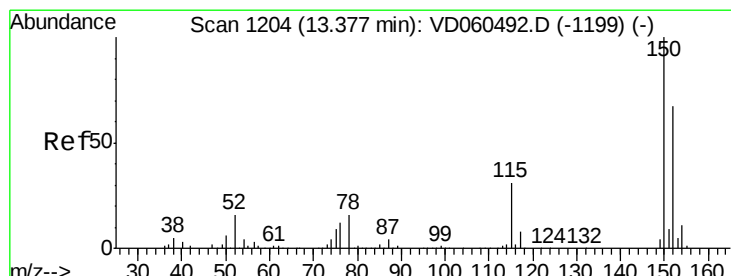
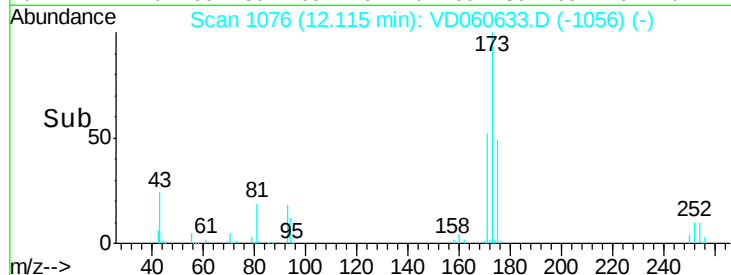
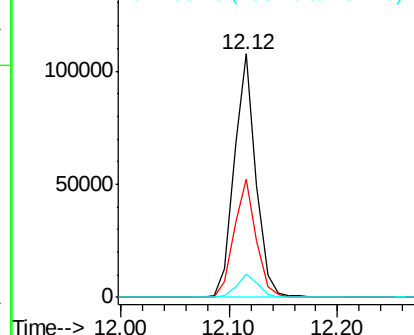
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	149319		
175	48.6	23.5	70.6	
254	9.7	7.8	11.8	

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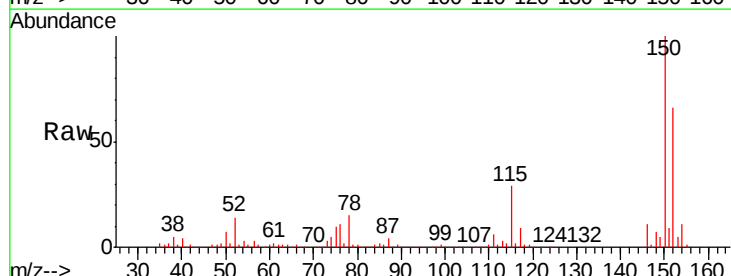


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

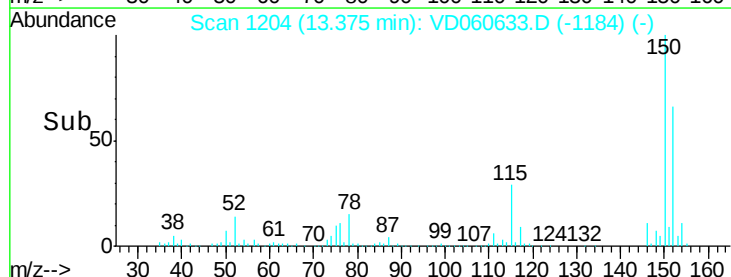
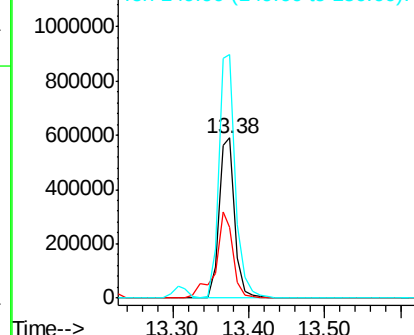


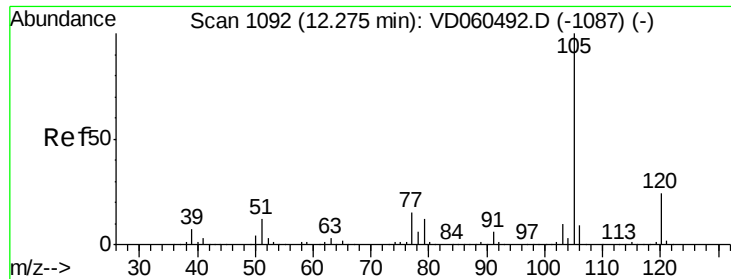
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	871358		
115	44.0	24.6	74.0	
150	152.0	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: 21.064 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 105 Resp: 1298803

Ion Ratio Lower Upper

105 100

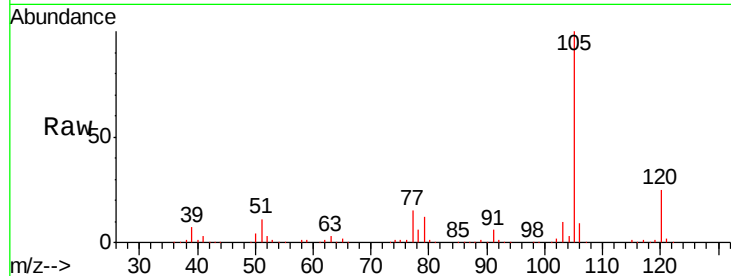
120 24.8 11.9 35.9

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

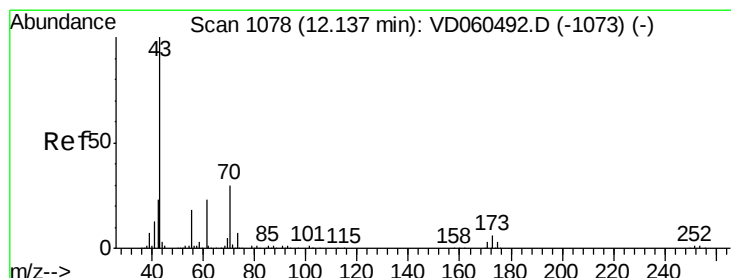
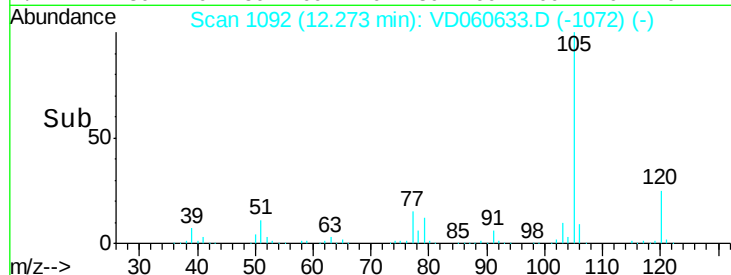
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.836 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 280701

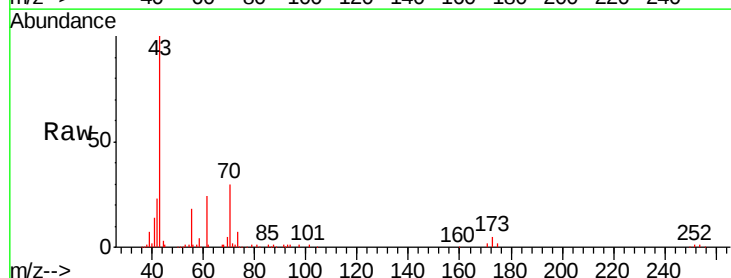
Ion Ratio Lower Upper

43 100

70 29.8 23.8 35.8

55 17.5 14.2 21.2

61 24.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

250000

200000

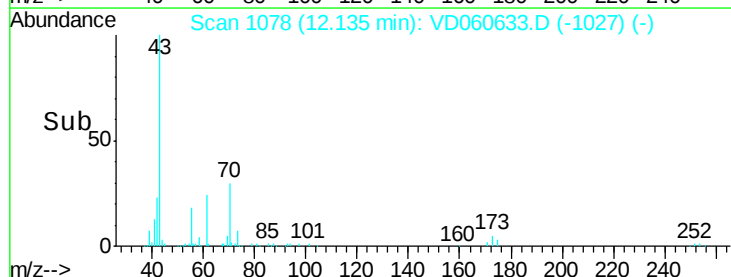
150000

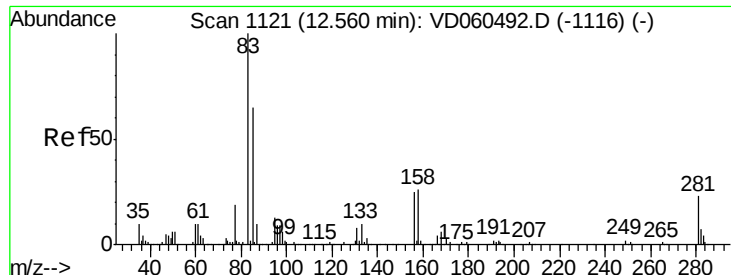
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.132 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 83 Resp: 198730
Ion Ratio Lower Upper

83 100

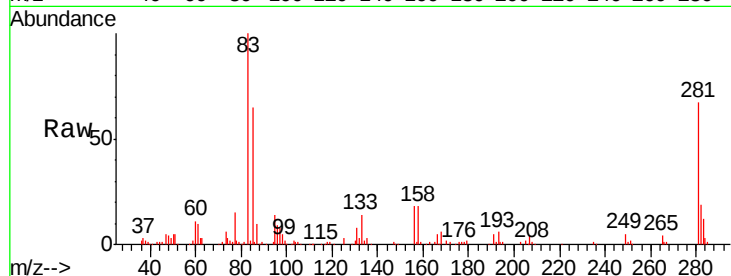
131 8.3 3.8 11.4

85 64.7 32.3 96.9

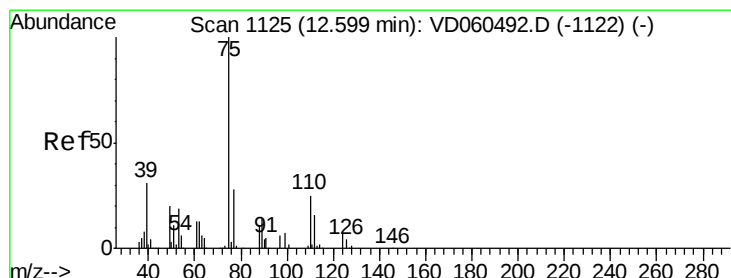
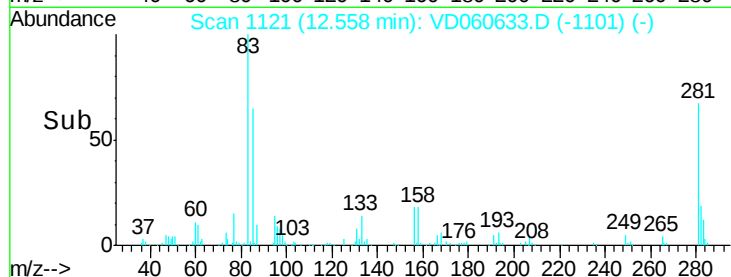
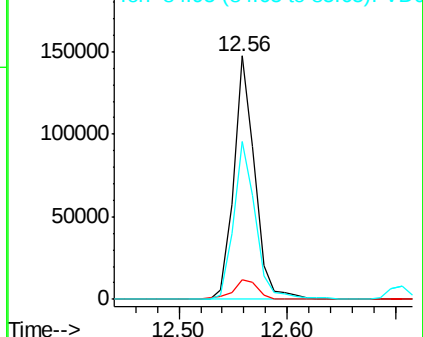
Manual Integrations
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.125 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

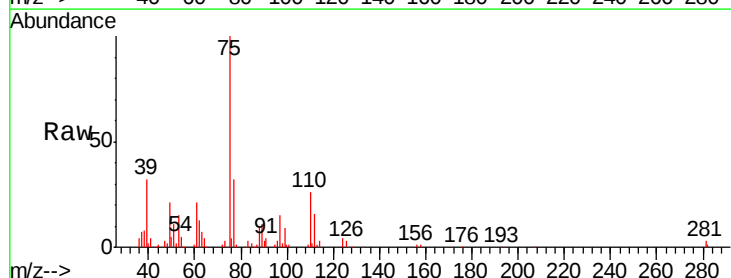
Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

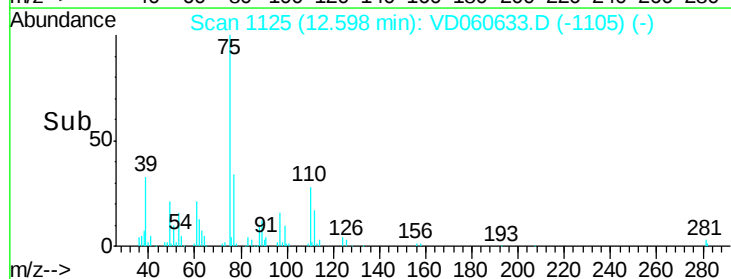
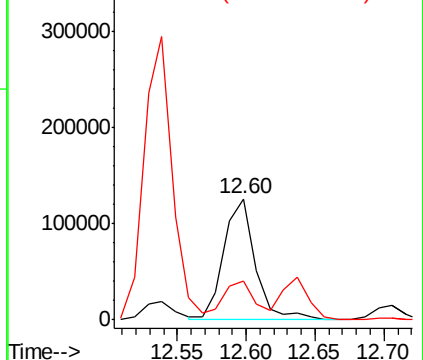
Tgt Ion: 75 Resp: 198699
Ion Ratio Lower Upper

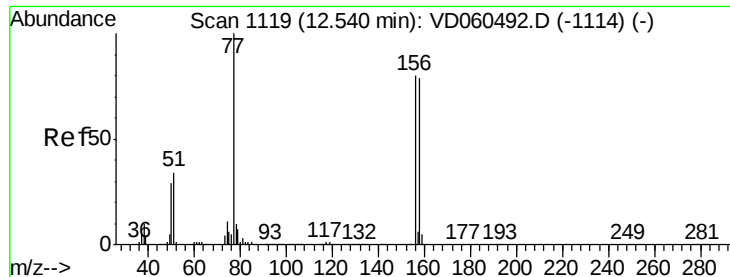
75 100

77 32.4 16.4 49.4



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





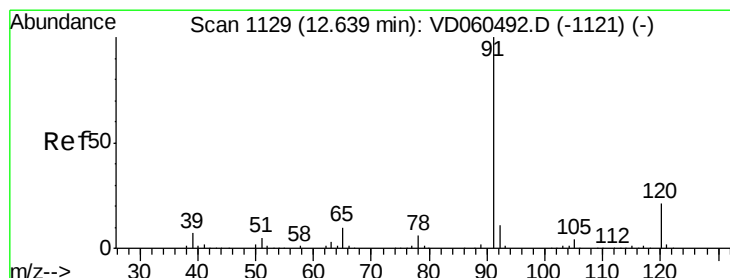
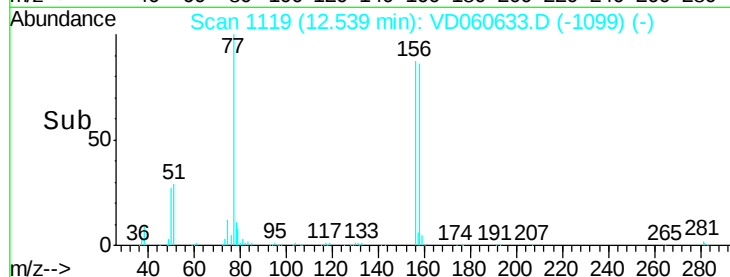
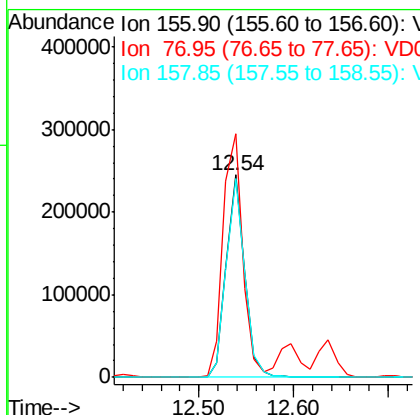
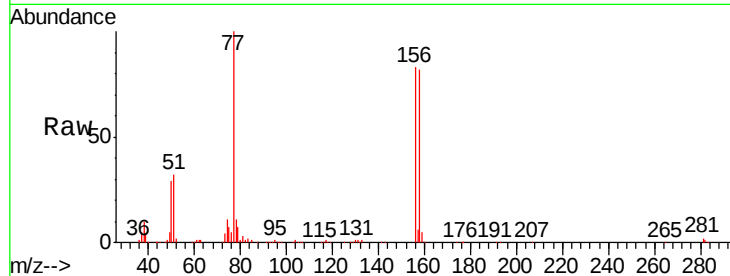
#77
Bromobenzene
Concen: 20.374 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	330213		
77	120.3	62.5	187.6	
158	98.0	49.4	148.2	

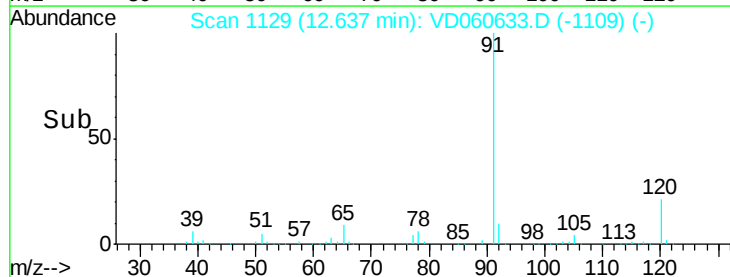
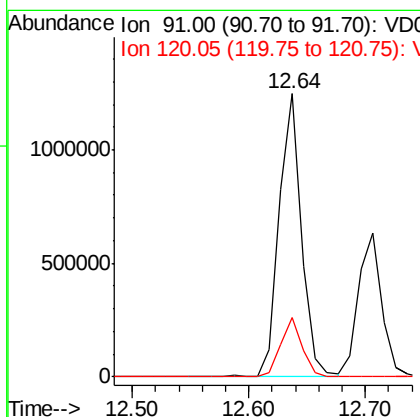
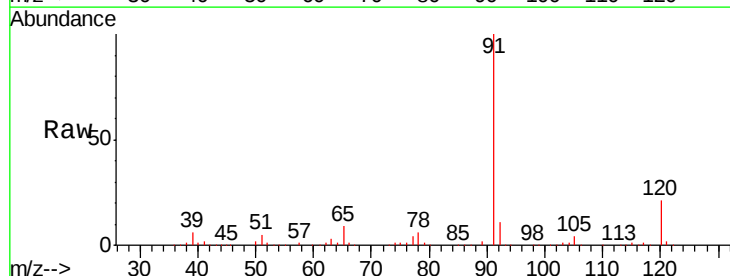
Manual Integrations
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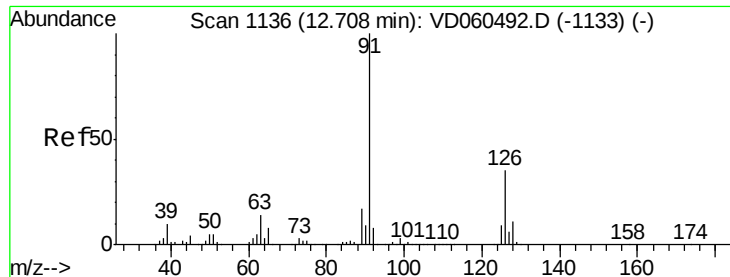
apatel
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#78
n-propylbenzene
Concen: 21.322 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1661947		
120	21.0	10.4	31.1	





#79

2-Chlorotoluene

Concen: 20.839 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD1219SBS01

Tgt Ion: 91 Resp: 881377

Ion Ratio Lower Upper

91 100

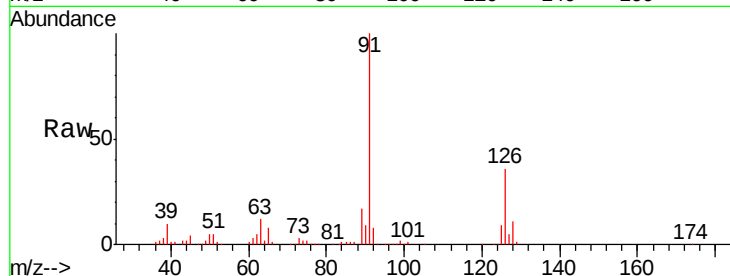
126 35.7 17.3 52.0

Manual Integrations

APPROVED

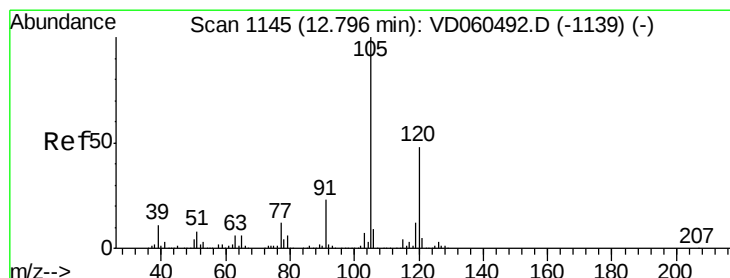
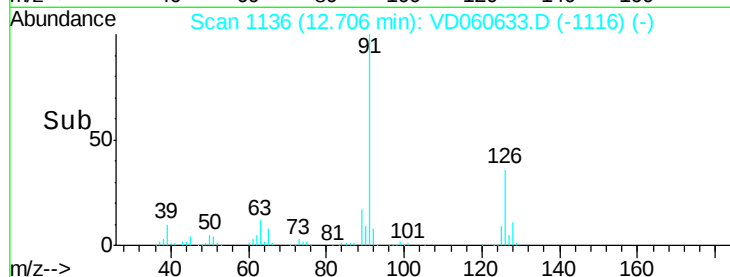
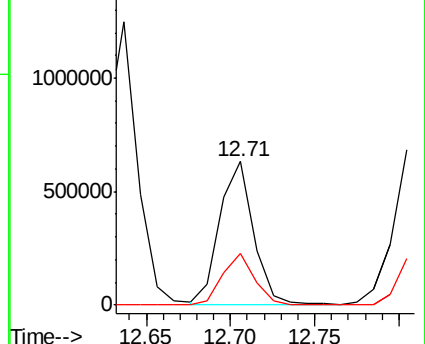
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060633.D

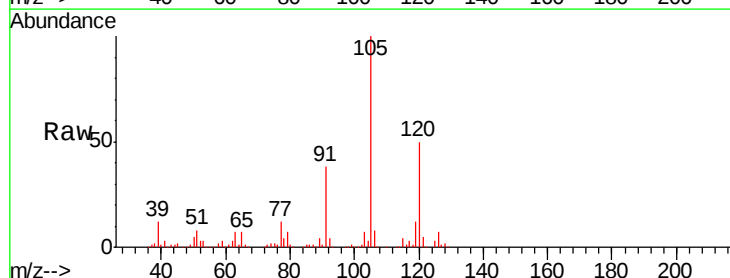
Acq: 19 Dec 2018 11:49

Tgt Ion: 105 Resp: 993127

Ion Ratio Lower Upper

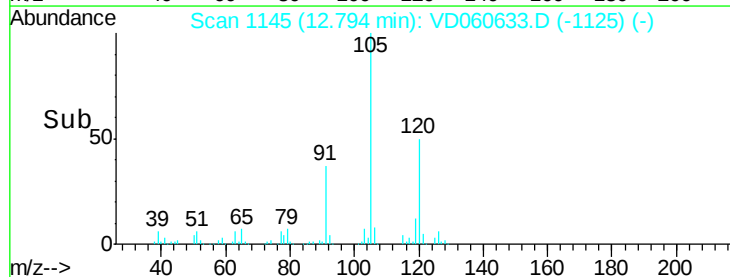
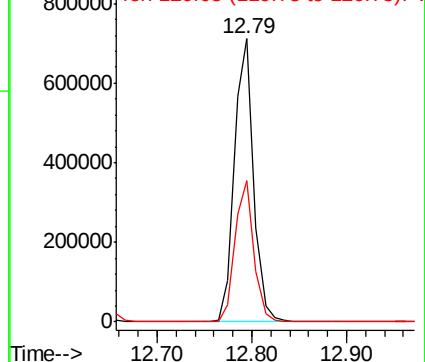
105 100

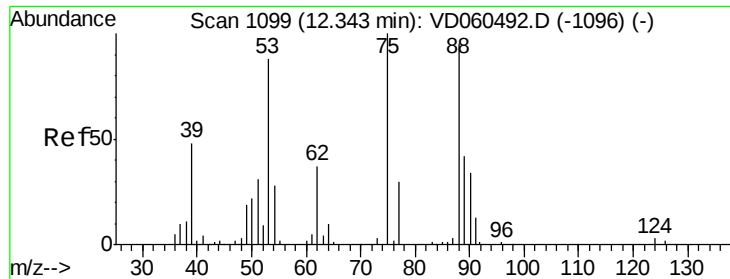
120 49.7 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





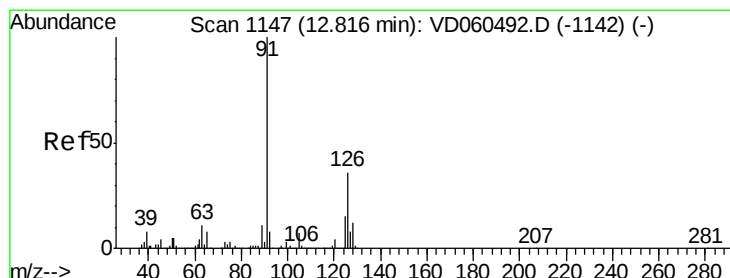
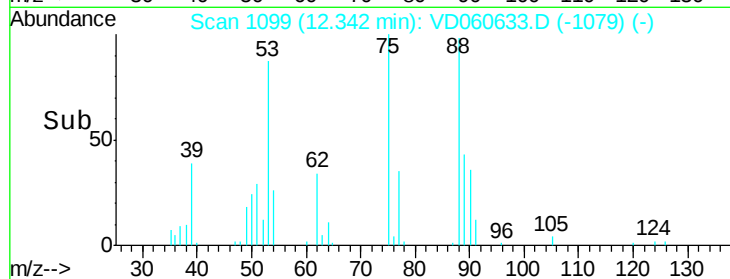
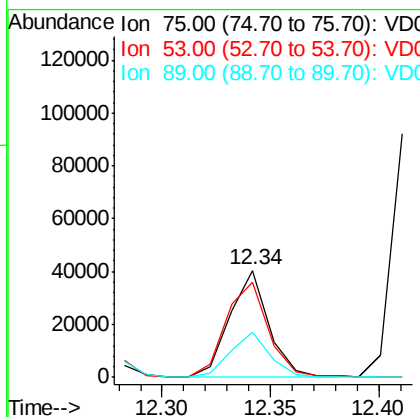
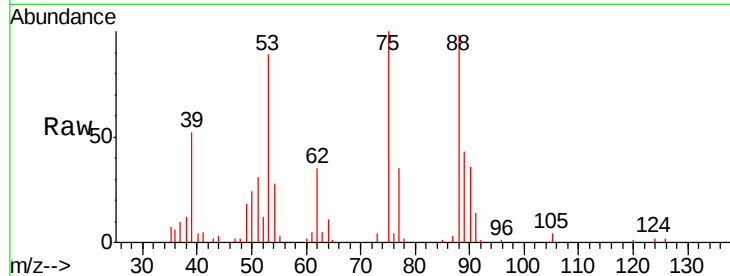
#81
trans-1,4-Dichloro-2-butene
Concen: 18.568 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 75 Resp: 51129
Ion Ratio Lower Upper
75 100
53 88.9 70.5 105.7
89 42.8 33.6 50.4

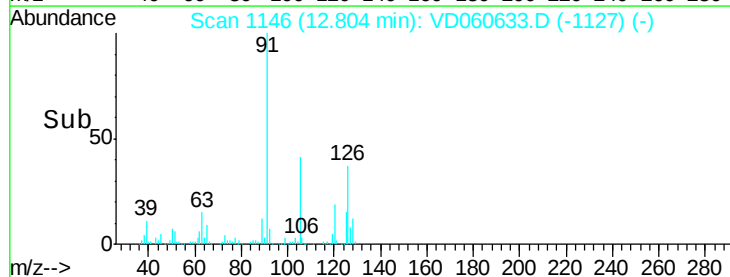
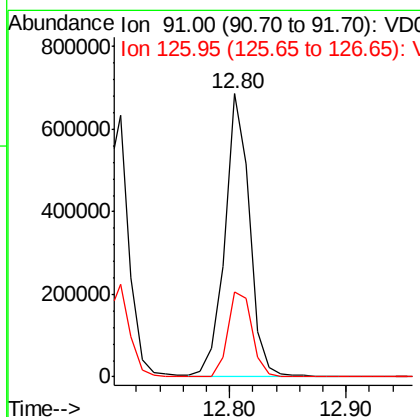
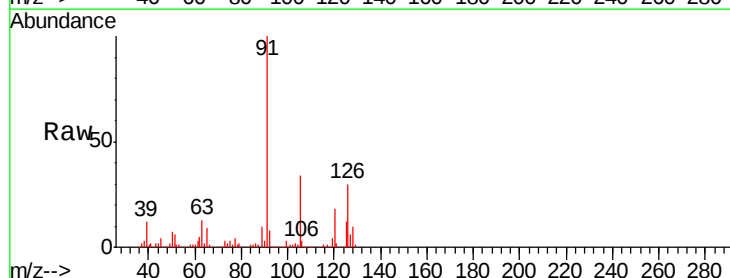
Manual Integrations
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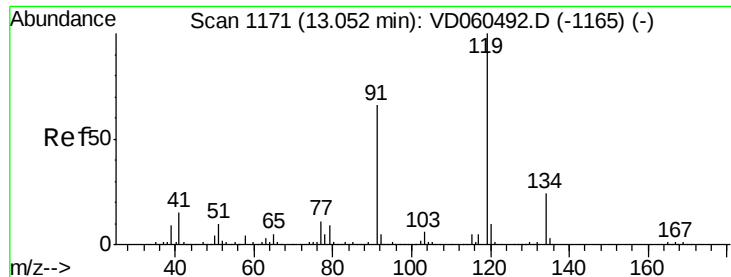
apatel
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#82
4-Chlorotoluene
Concen: 20.992 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 91 Resp: 997200
Ion Ratio Lower Upper
91 100
126 30.2 17.8 53.4





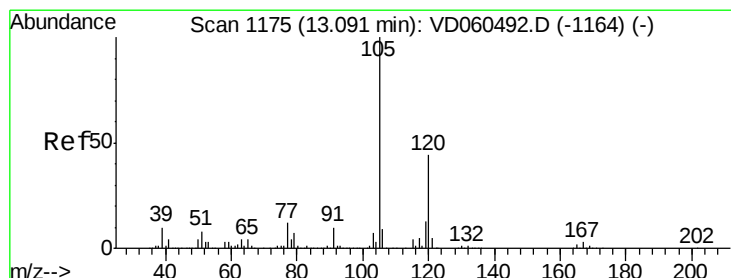
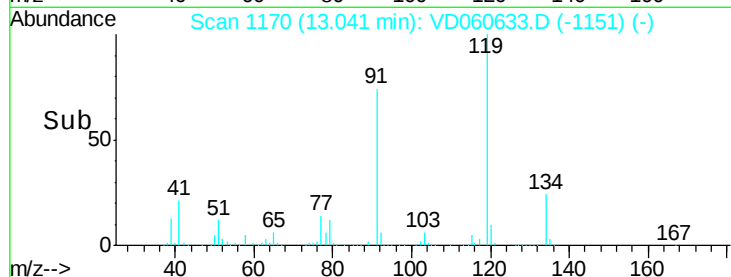
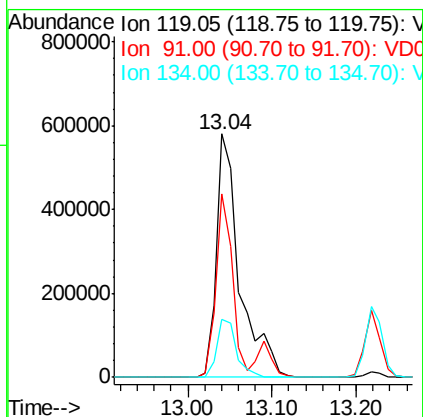
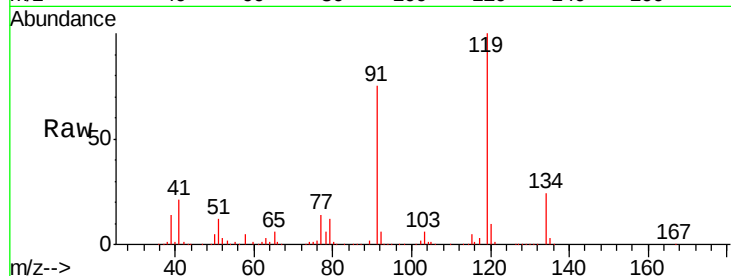
#83
tert-Butylbenzene
Concen: 21.167 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion:119 Resp: 1118206
Ion Ratio Lower Upper
119 100
91 75.4 33.1 99.2
134 24.1 12.0 36.0

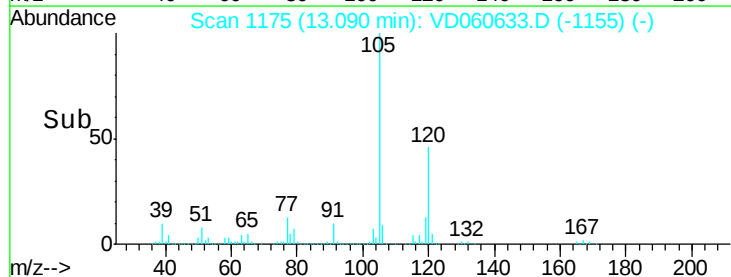
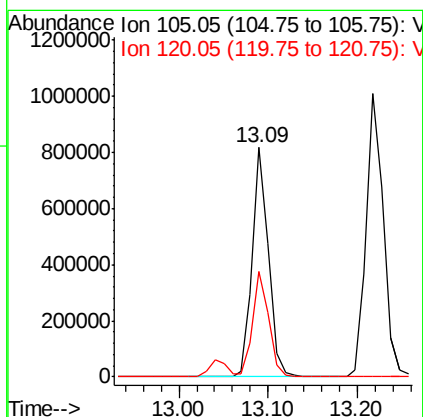
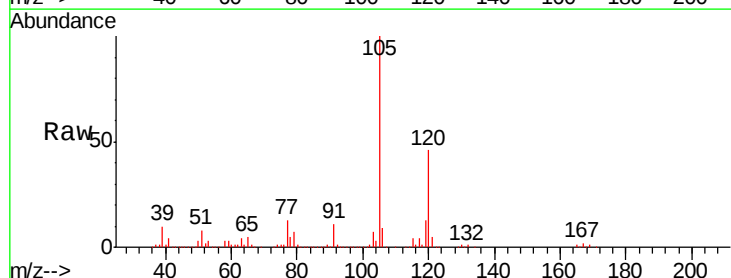
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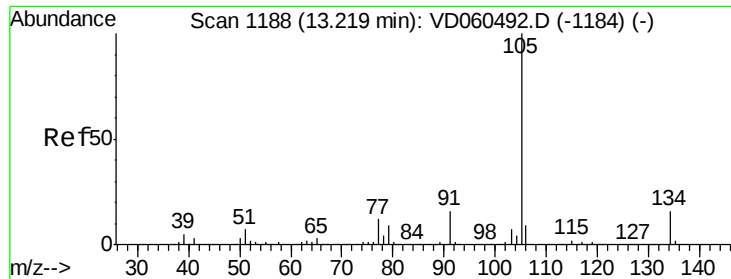
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 21.008 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:105 Resp: 1024877
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8





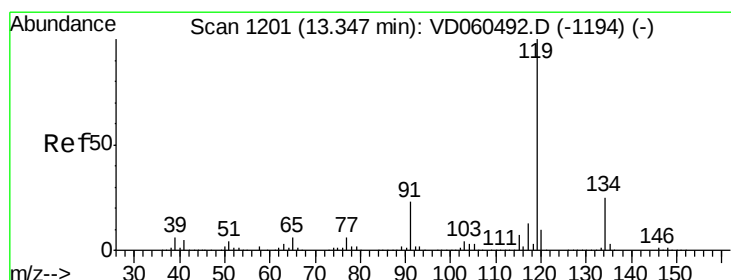
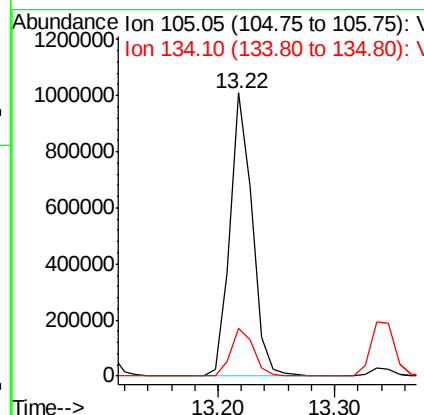
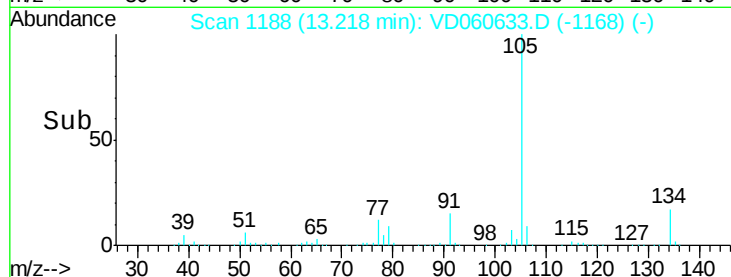
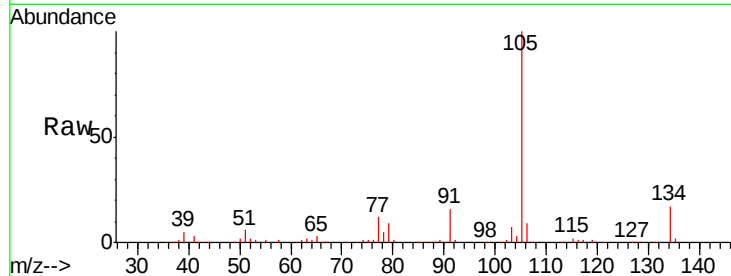
#85
 sec-Butylbenzene
 Concen: 20.180 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion:105 Resp: 1328748
 Ion Ratio Lower Upper
 105 100
 134 16.9 7.9 23.7

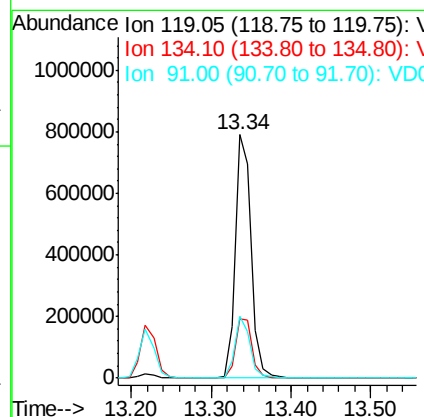
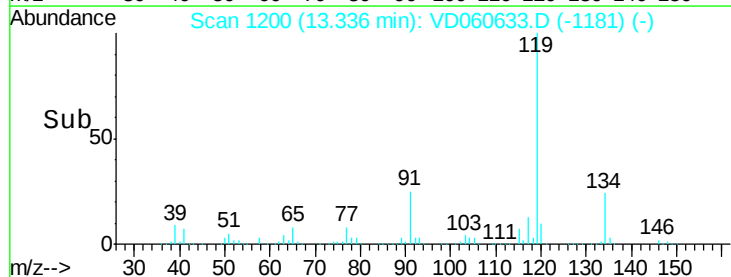
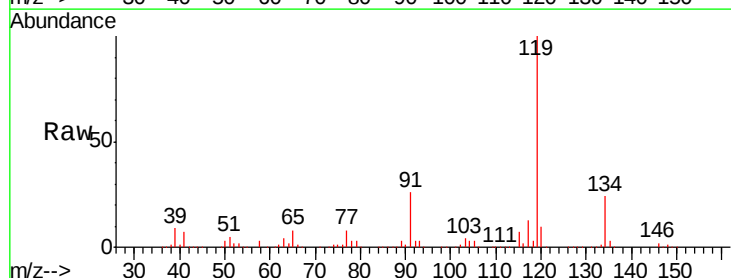
Manual Integrations
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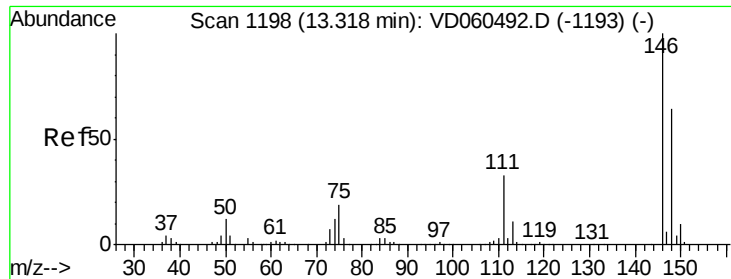
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.221 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion:119 Resp: 1107605
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 25.5 11.5 34.4





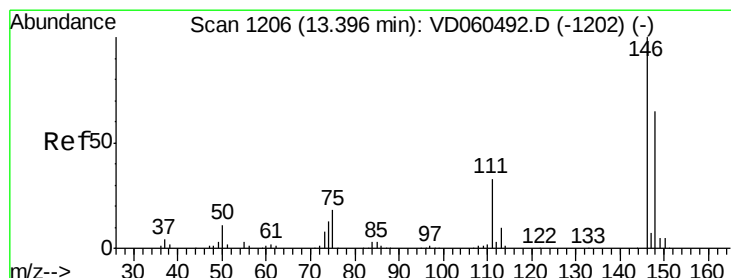
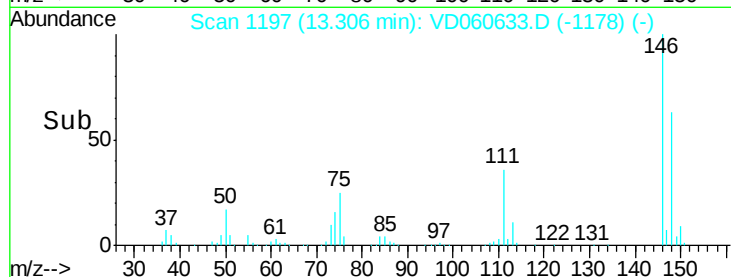
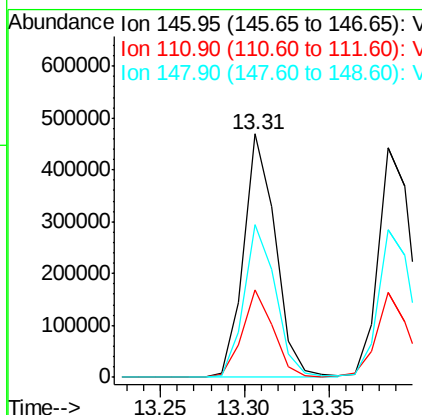
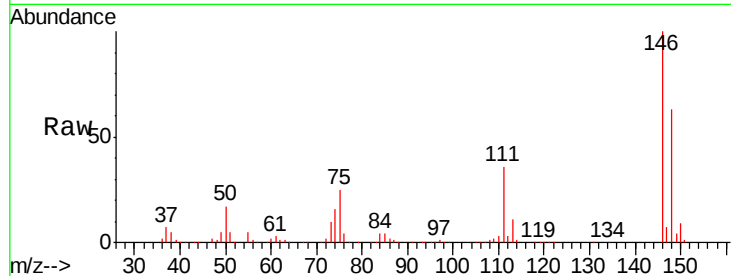
#87
 1,3-Dichlorobenzene
 Concen: 20.960 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	615081		
111	36.1	16.5	49.5	
148	62.5	32.3	96.8	

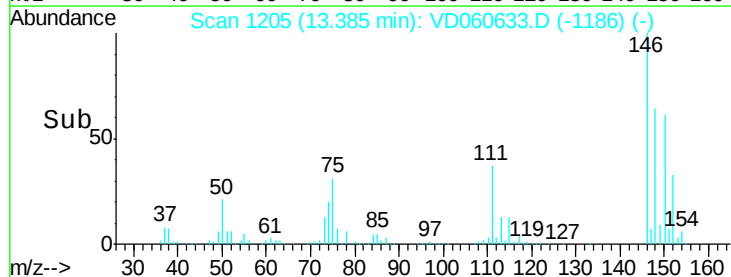
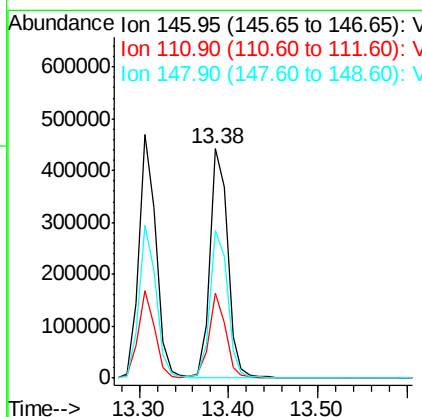
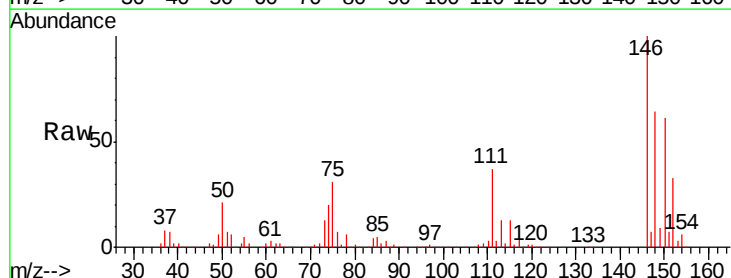
Manual Integrations
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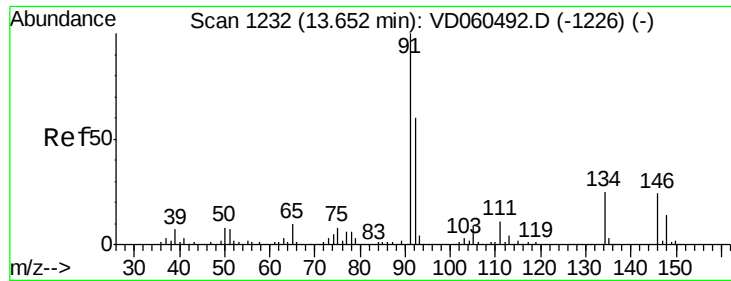
apatel
 12/20/2018 11:59:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.137 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	608491		
111	36.9	16.4	49.1	
148	64.4	32.6	98.0	





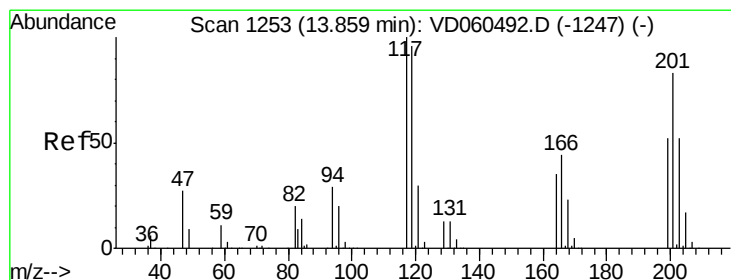
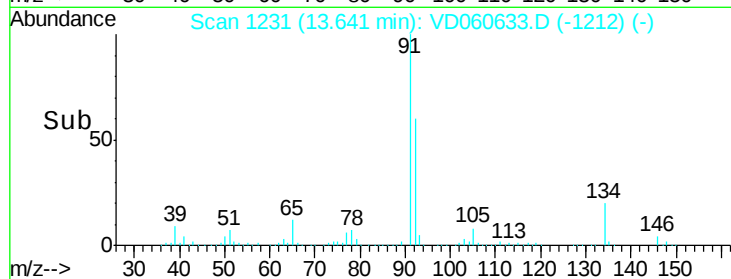
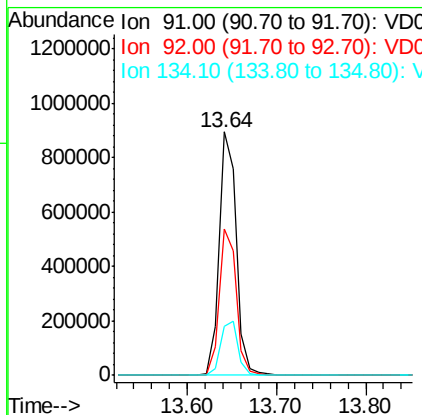
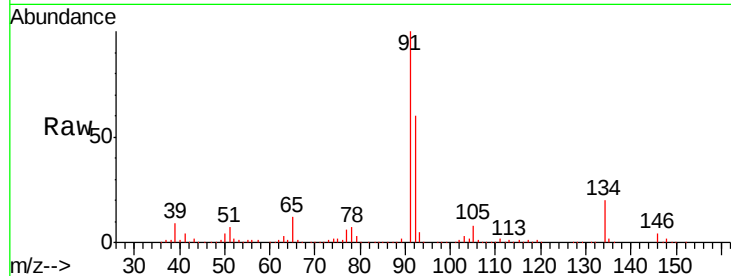
#89
n-Butylbenzene
Concen: 20.920 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD1219SBS01

Tgt Ion: 91 Resp: 1211703
Ion Ratio Lower Upper
91 100
92 59.9 30.0 90.1
134 20.3 12.5 37.5

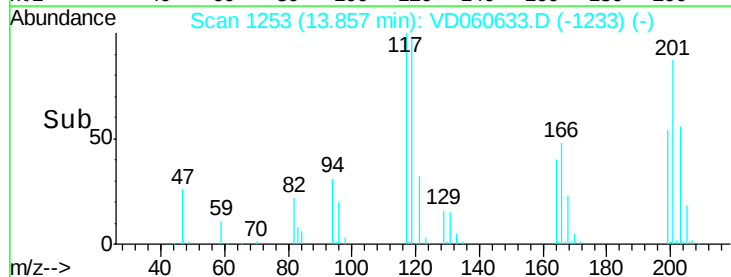
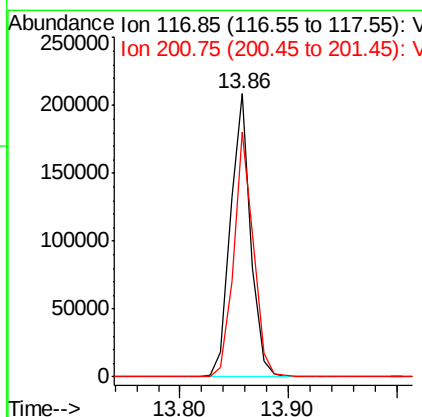
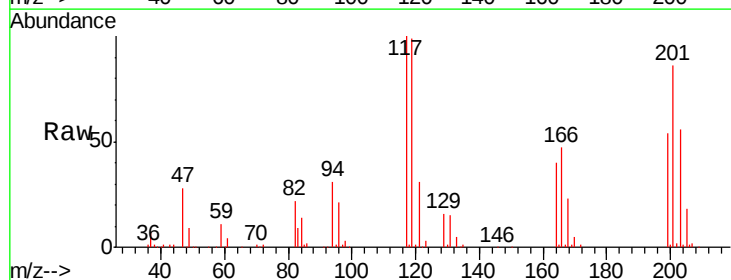
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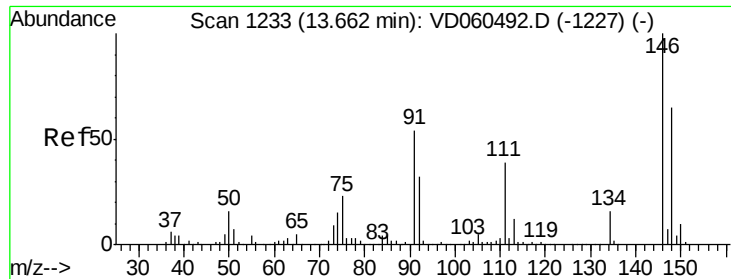
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#90
Hexachloroethane
Concen: 20.571 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 117 Resp: 269209
Ion Ratio Lower Upper
117 100
201 86.5 41.3 123.9





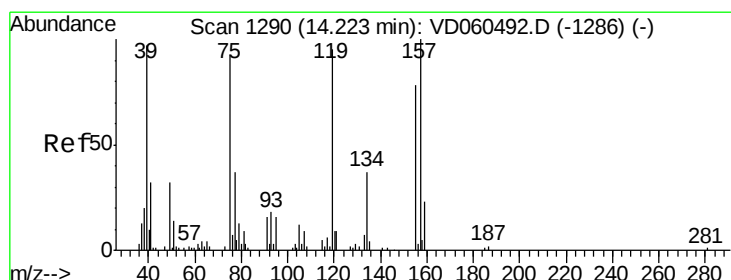
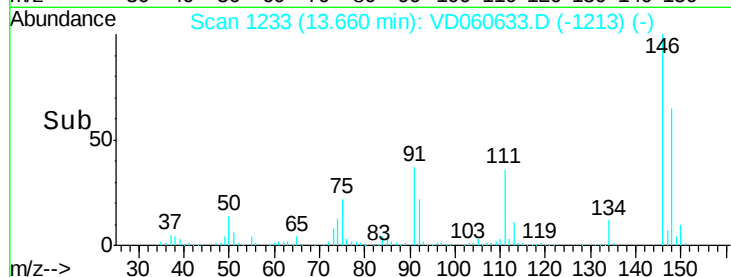
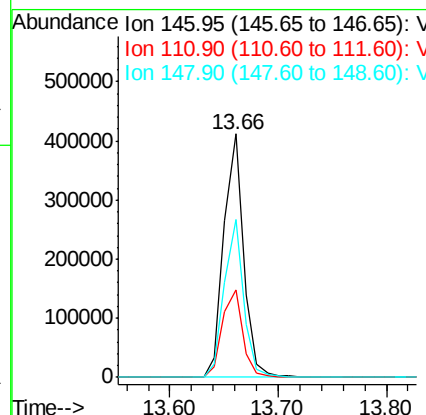
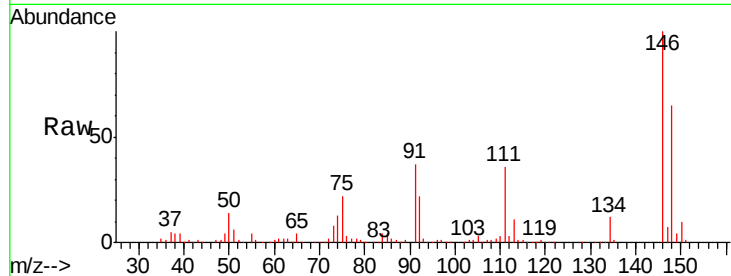
#91
 1,2-Dichlorobenzene
 Concen: 22.029 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1219SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.3	57.8
148	64.8	32.3	96.8

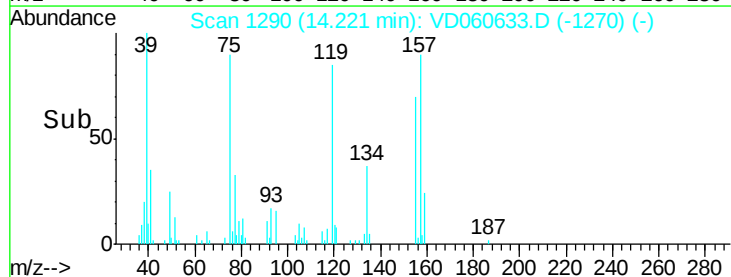
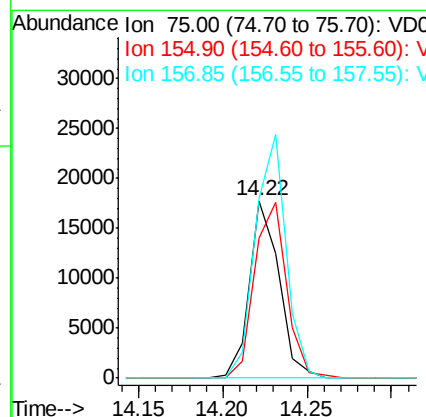
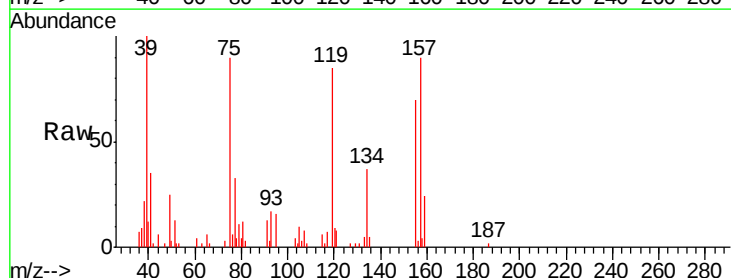
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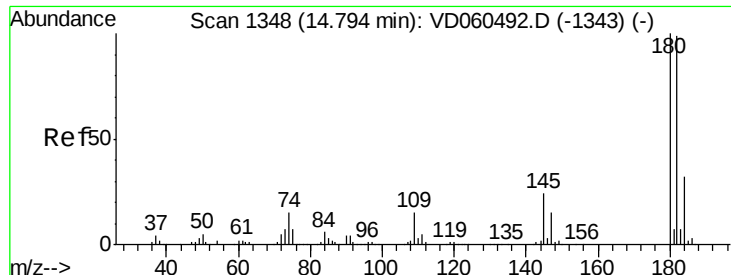
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.143 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	41.6	124.9
157	100.9	53.6	160.8





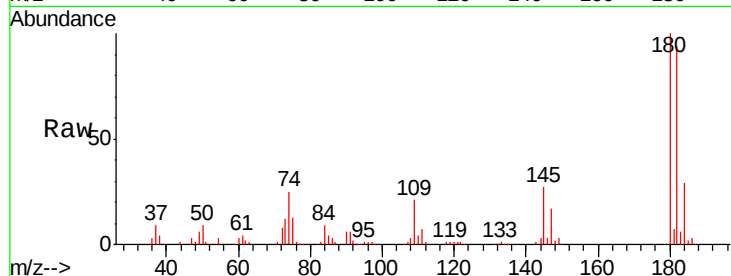
#93
 1,2,4-Trichlorobenzene
 Concen: 19.708 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

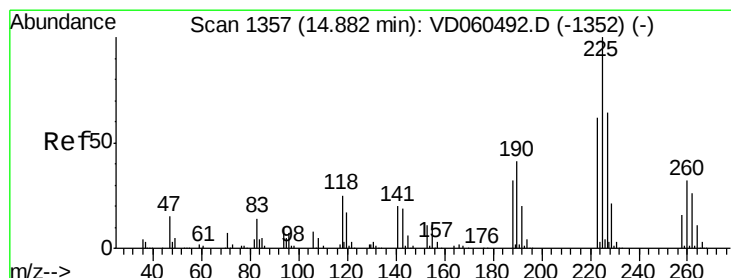
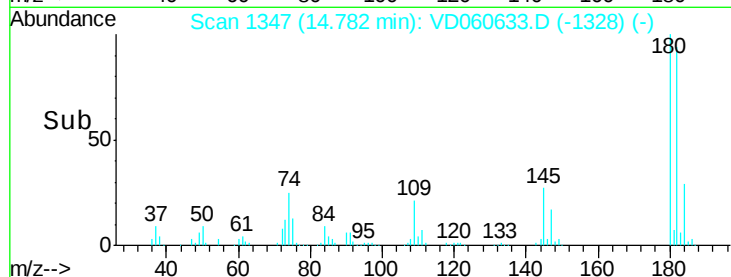
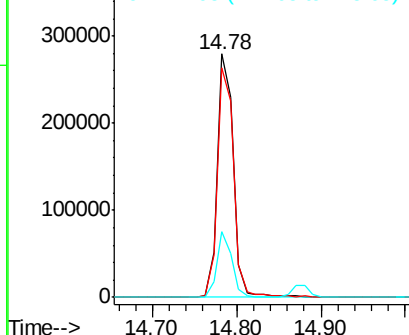
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	369482		
182	94.1	49.4	148.0	
145	27.1	11.9	35.9	

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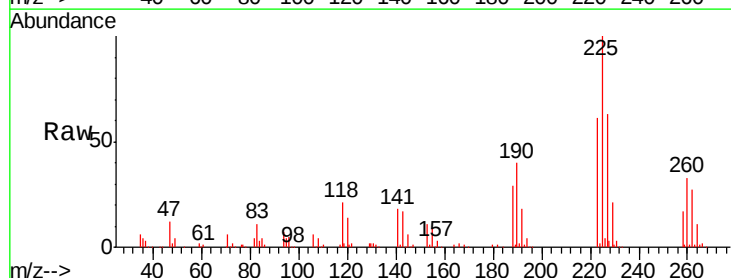


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

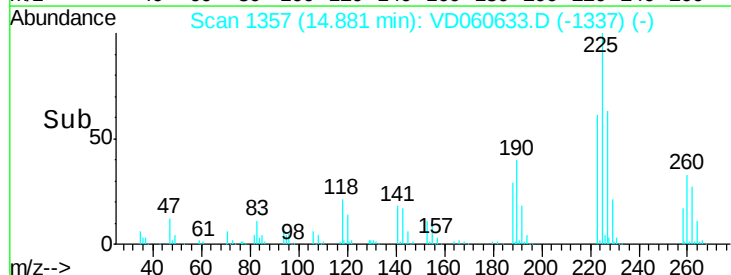
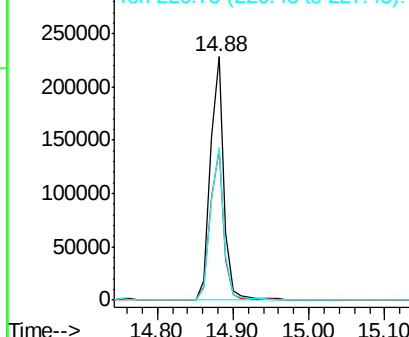


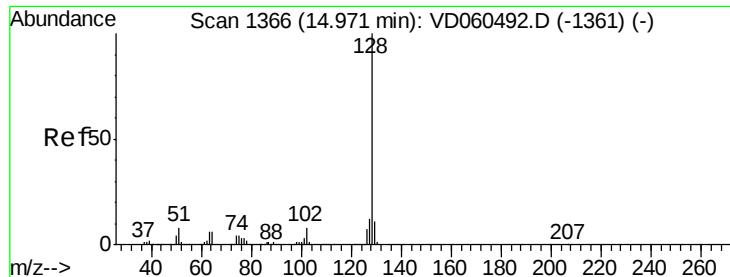
#94
 Hexachlorobutadiene
 Concen: 20.900 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	289093		
223	61.4	31.2	93.6	
227	62.5	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 19.082 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

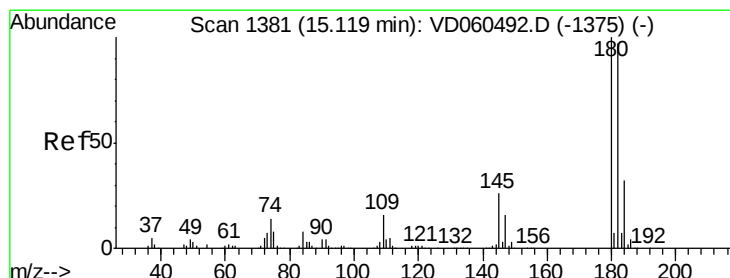
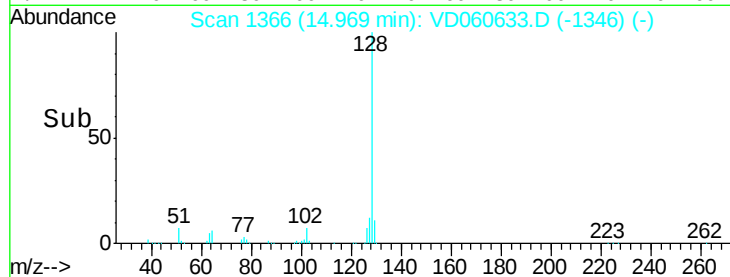
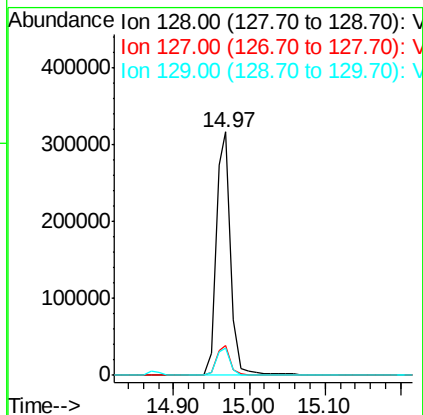
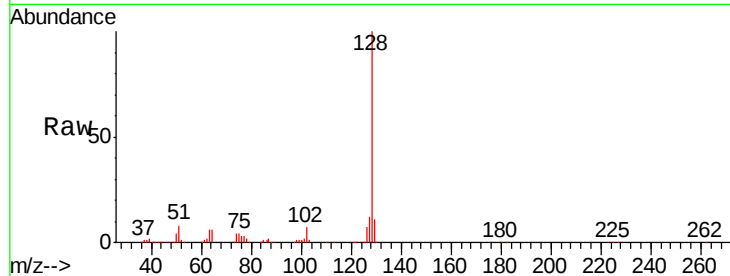
ClientSampleId :

VD1219SBS01

Tgt Ion:	128	Resp:	425583
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.8	14.8
129	11.2	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 19.528 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion:	180	Resp:	291713
Ion Ratio	Lower	Upper	
180	100		
182	99.2	48.5	145.5
145	24.8	12.9	38.7

