

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069051.D
 Acq On : 03 May 2021 19:42
 Operator : VA/SY
 Sample : M2237-01
 Misc : 7.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 04 04:16:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	9281	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	19087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	19873	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	8582	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15549	132.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	265.32%#
35) Dibromofluoromethane	7.914	113	9779	77.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	154.94%#
50) Toluene-d8	10.338	98	22515	48.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.32%
62) 4-Bromofluorobenzene	12.626	95	8141	51.58	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.16%

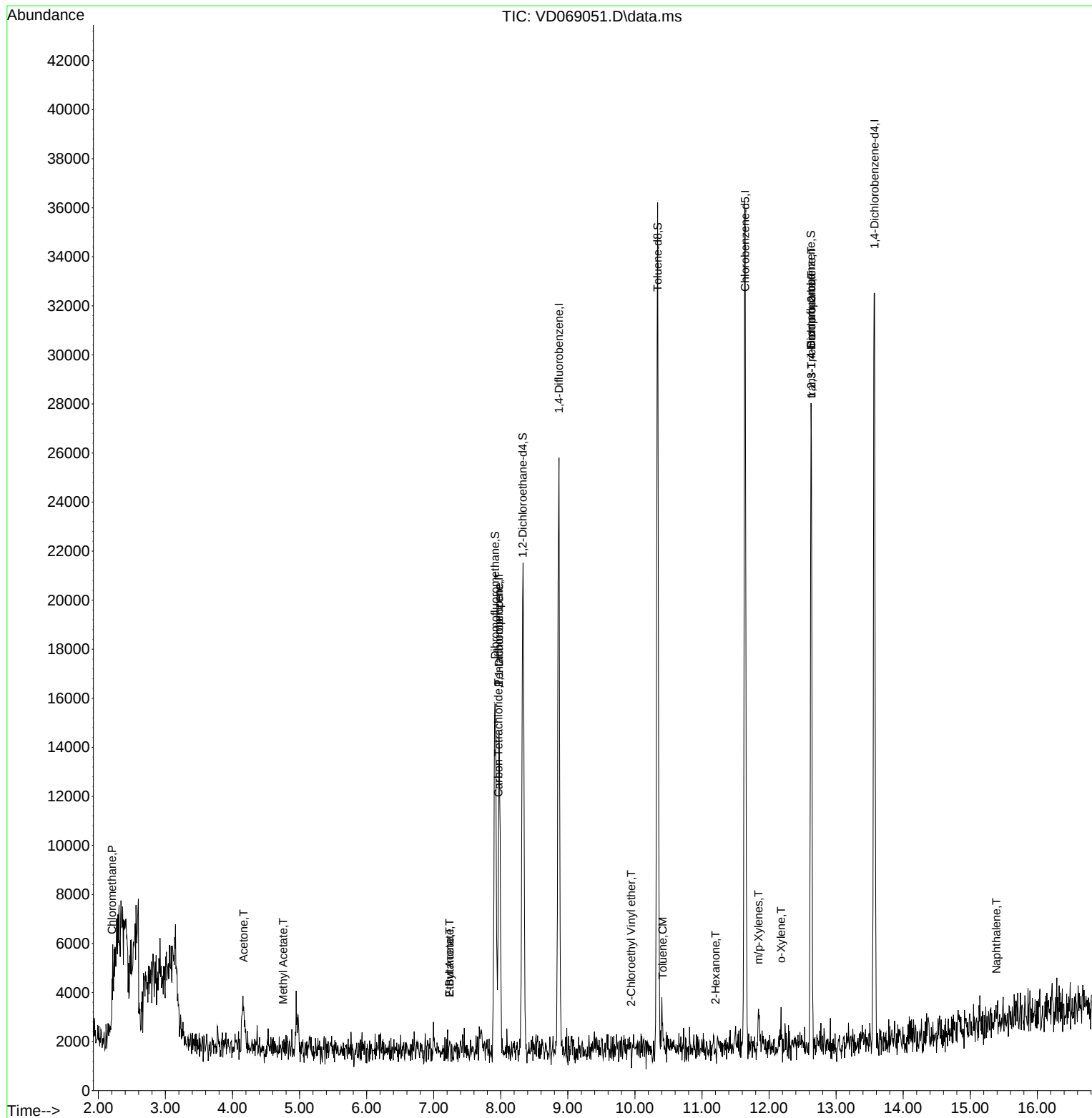
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.203	50	219	1.58	ug/l	# 36
11) Tert butyl alcohol	5.232	59	131	Below Cal	#	73
16) Acetone	4.167	43	2615	140.79	ug/l	# 80
18) Methyl Acetate	4.756	43	115	2.35	ug/l	# 43
20) Methylene Chloride	4.938	84	332	Below Cal	#	12
25) 2-Butanone	7.238	43	182	6.96	ug/l	# 39
36) 1,1-Dichloropropene	7.973	75	896	4.72	ug/l	# 41
37) Ethyl Acetate	7.238	43	182	2.47	ug/l	# 64
38) Carbon Tetrachloride	7.967	117	456	2.24	ug/l	# 12
52) Toluene	10.414	92	490	1.43	ug/l	# 50
58) 2-Chloroethyl Vinyl ether	9.944	63	103	1.69	ug/l	# 44
59) 2-Hexanone	11.202	43	54	1.09	ug/l	# 19
68) m/p-Xylenes	11.844	106	566	2.11	ug/l	# 72
69) o-Xylene	12.179	106	322	1.32	ug/l	# 93
76) 1,2,3-Trichloropropane	12.632	75	4342	53.00	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	4342	125.47	ug/l	# 16
95) Naphthalene	15.390	128	559	2.04	ug/l	# 69

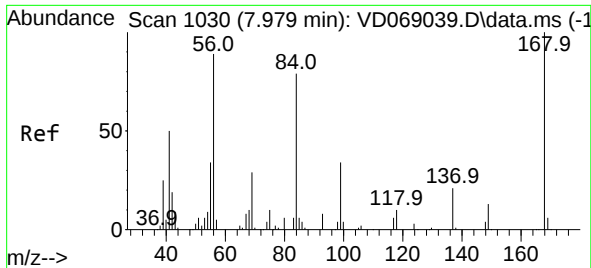
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD069051.D
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Misc : 7.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

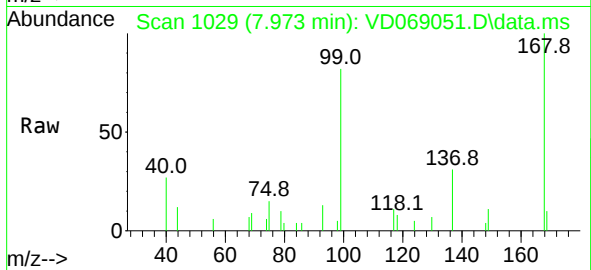
Quant Time: May 04 04:16:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
Quant Title : SW846 8260
QLast Update : Tue May 04 03:51:01 2021
Response via : Initial Calibration



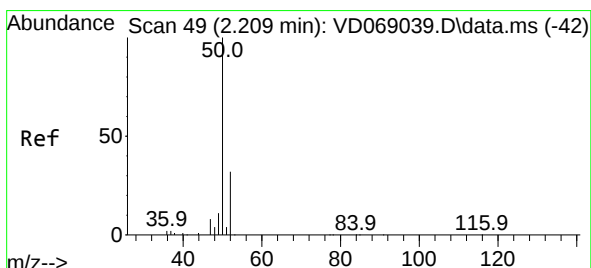
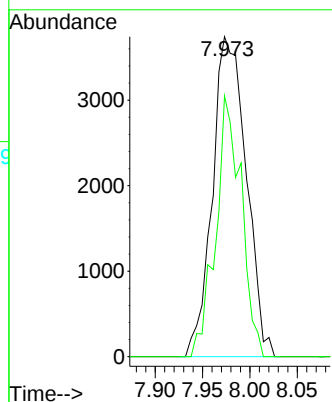
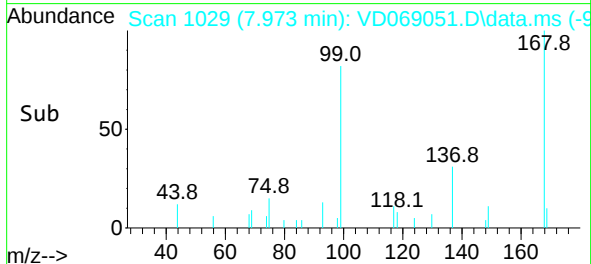


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

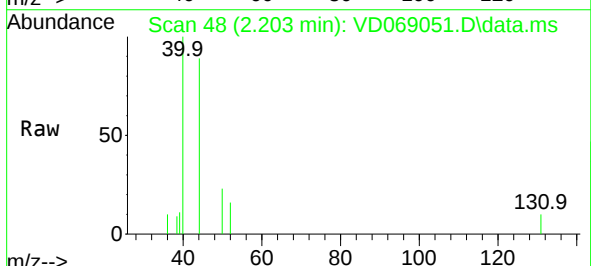
Instrument :
MSVOA_D
ClientSampled :



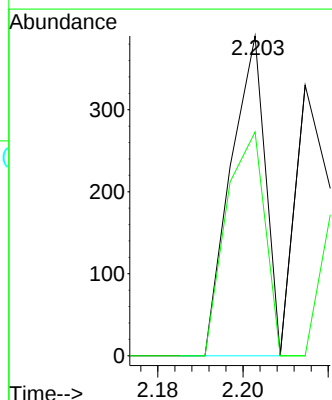
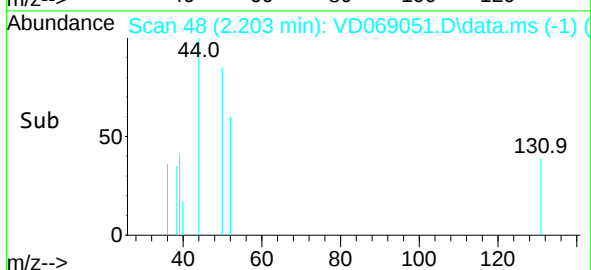
Tgt Ion:168 Resp: 9281
Ion Ratio Lower Upper
168 100
99 81.5 46.2 69.2#

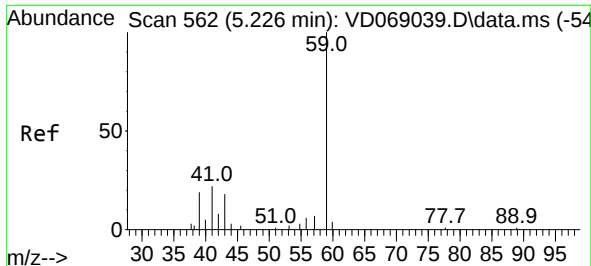


#3
Chloromethane
Concen: 1.58 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42



Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 70.0 26.7 40.1#



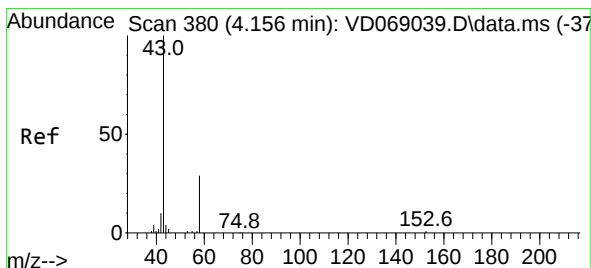
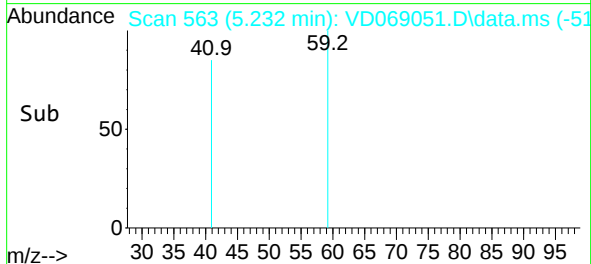
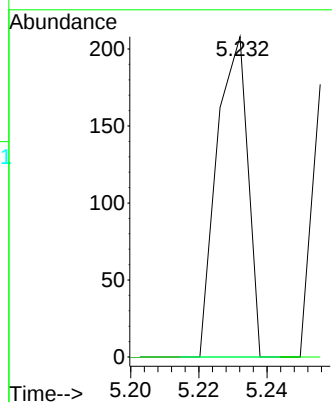
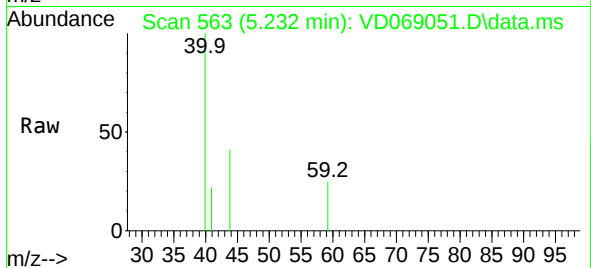


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

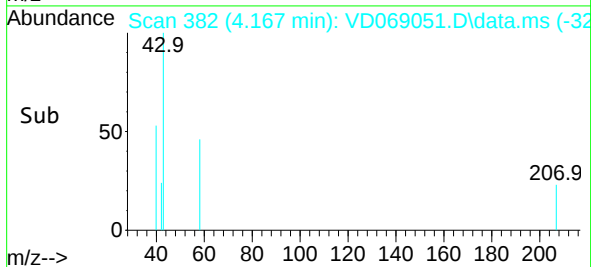
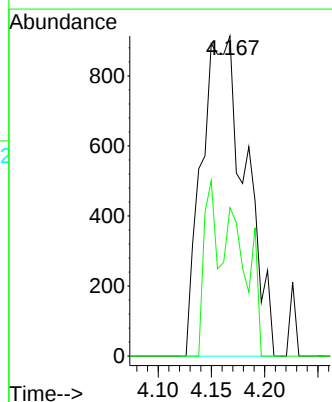
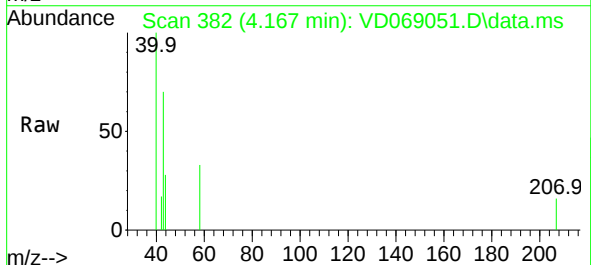
Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

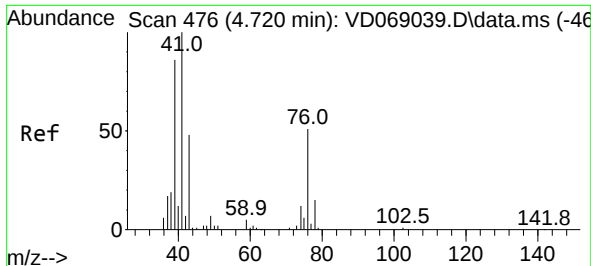


#16

Acetone
Concen: 140.79 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

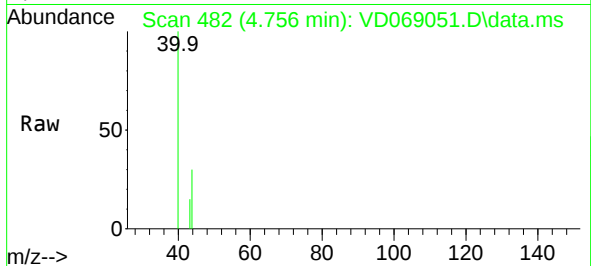
Tgt Ion: 43 Resp: 2615
Ion Ratio Lower Upper
43 100
58 46.4 28.0 42.0#



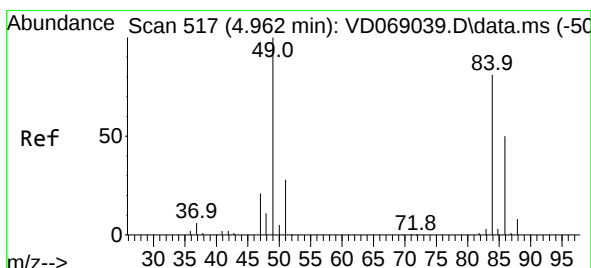
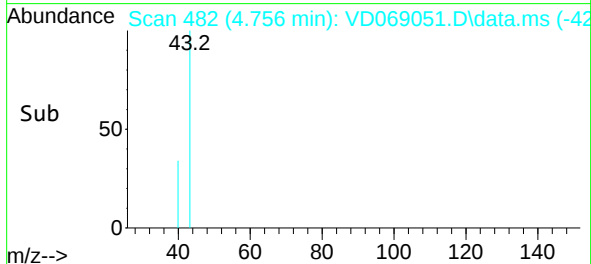
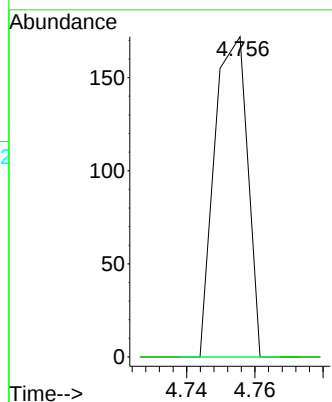


#18
Methyl Acetate
Concen: 2.35 ug/l
RT: 4.756 min Scan# 482
Delta R.T. 0.036 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampled :

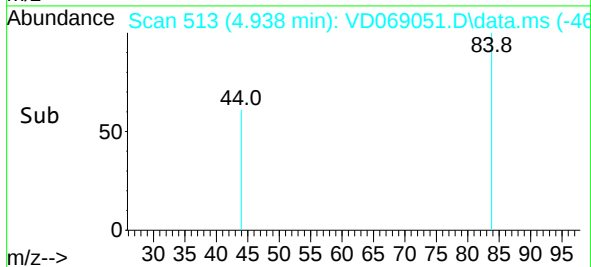
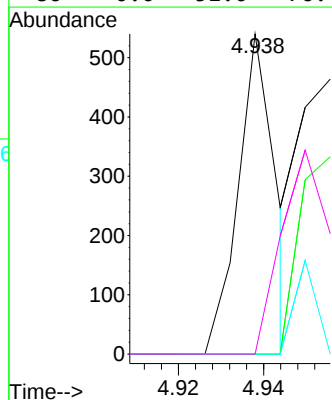
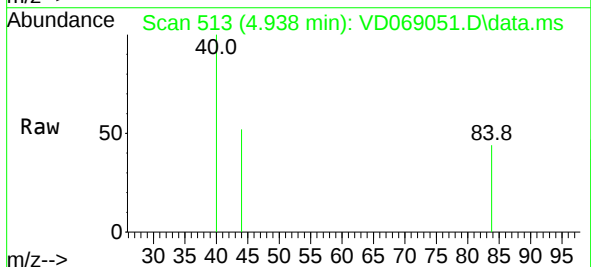


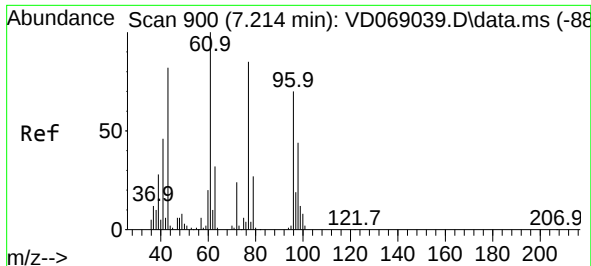
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.938 min Scan# 513
Delta R.T. -0.024 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

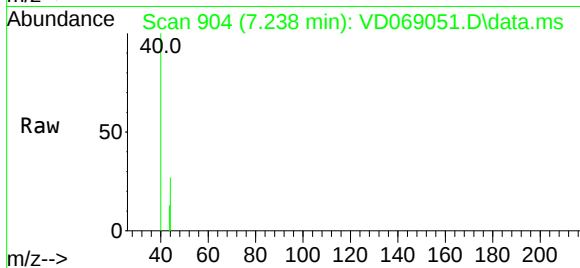
Tgt Ion: 84 Resp: 332
Ion Ratio Lower Upper
84 100
49 0.0 83.4 125.0#
51 0.0 23.4 35.2#
86 0.0 51.0 76.4#



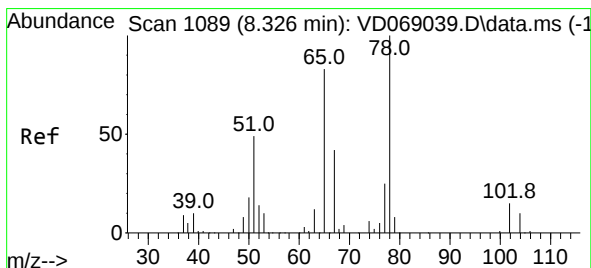
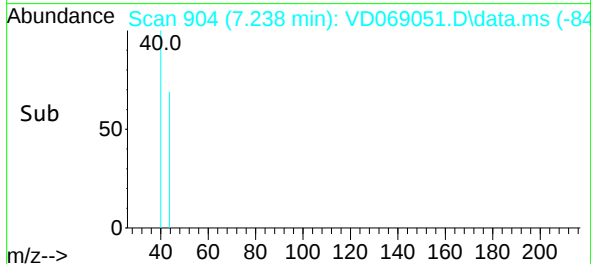
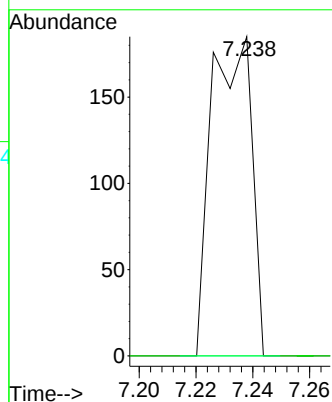


#25
2-Butanone
Concen: 6.96 ug/l
RT: 7.238 min Scan# 904
Delta R.T. 0.024 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampled :

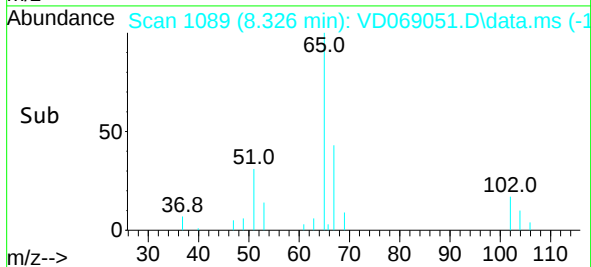
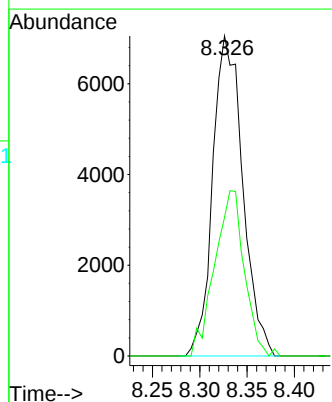
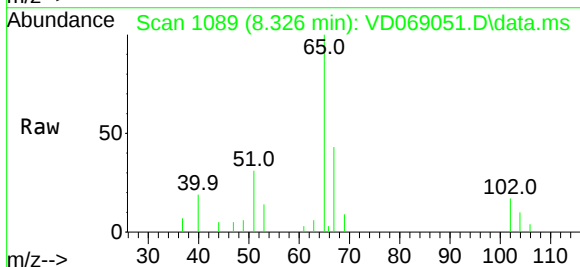


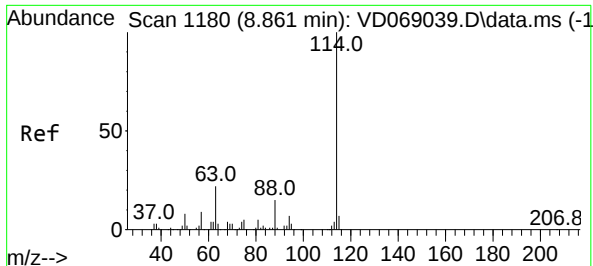
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#



#33
1,2-Dichloroethane-d4
Concen: 132.66 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

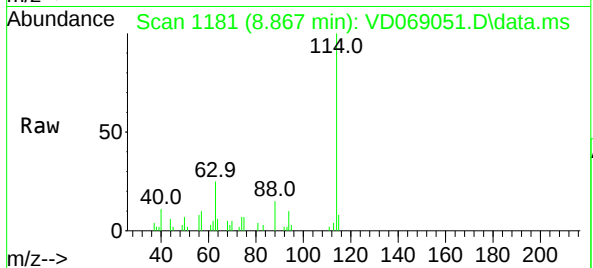
Tgt Ion: 65 Resp: 15549
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.0



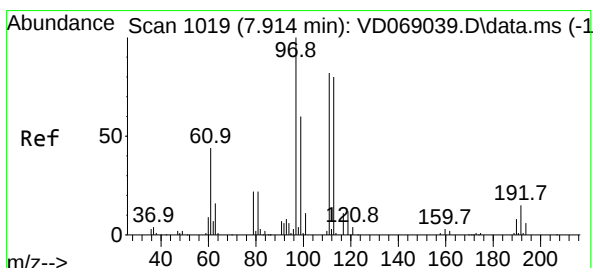
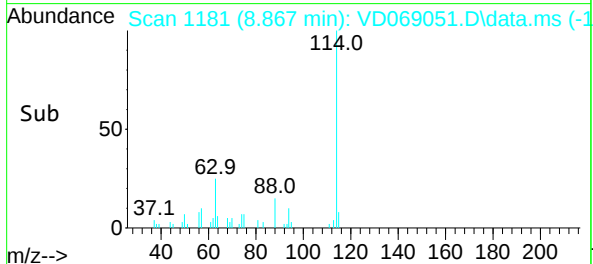
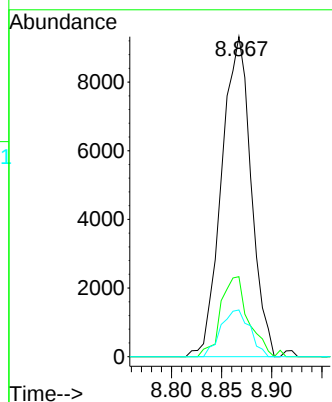


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampled :

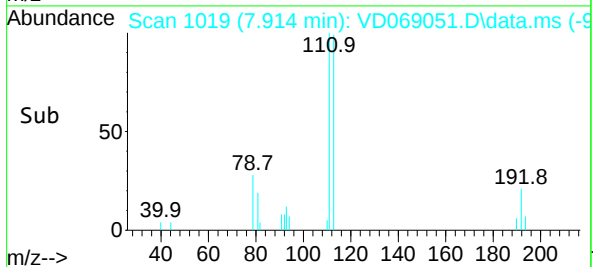
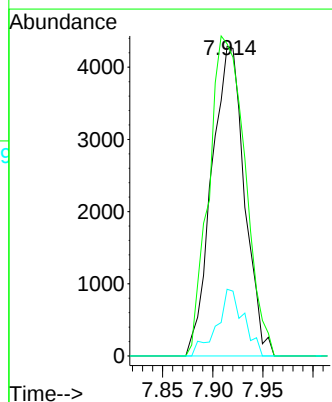
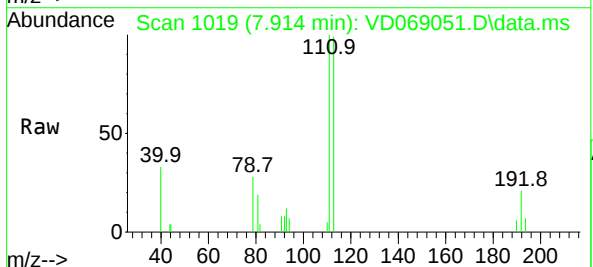


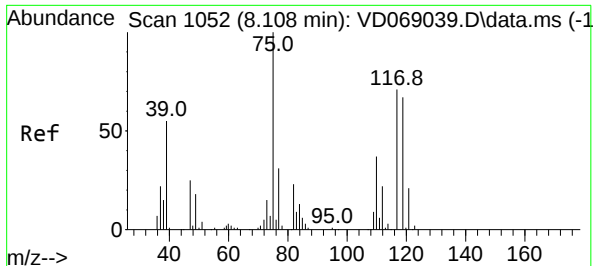
Tgt Ion:114 Resp: 19087
Ion Ratio Lower Upper
114 100
63 25.0 0.0 38.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 77.47 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion:113 Resp: 9779
Ion Ratio Lower Upper
113 100
111 113.8 82.5 123.7
192 17.5 15.1 22.7

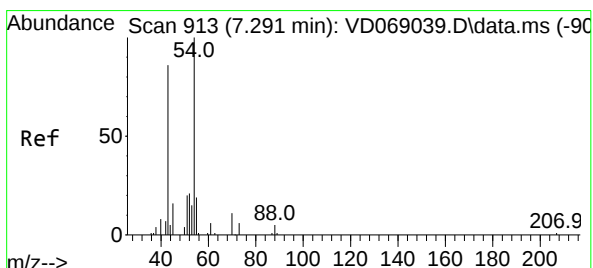
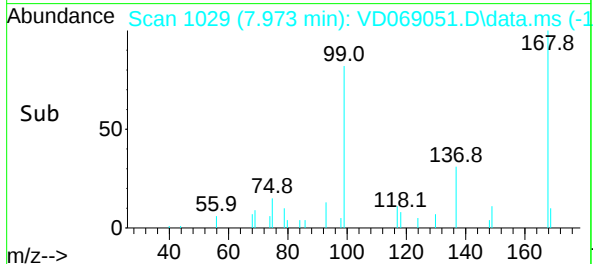
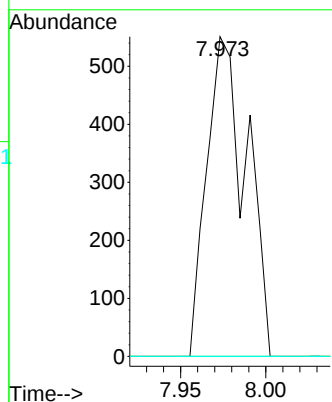
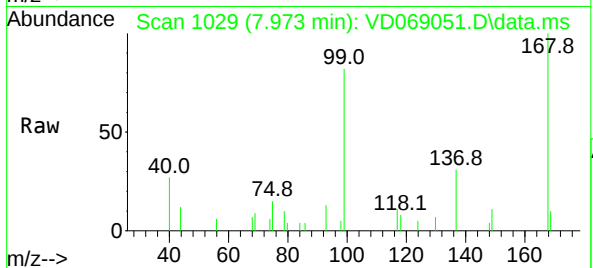




#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

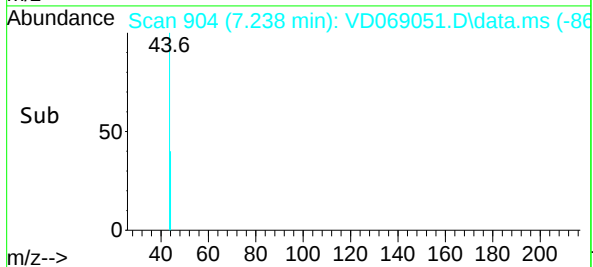
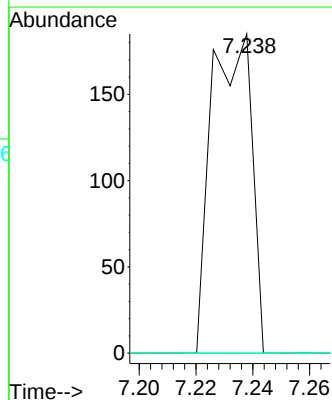
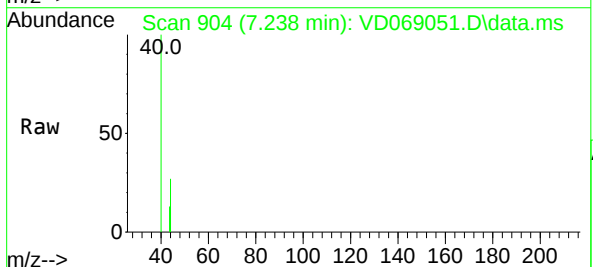
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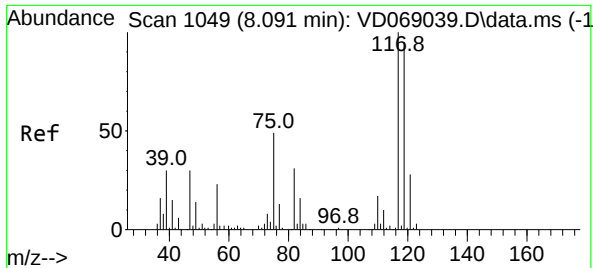
Tgt Ion: 75 Resp: 896
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.47 ug/l
RT: 7.238 min Scan# 904
Delta R.T. -0.053 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

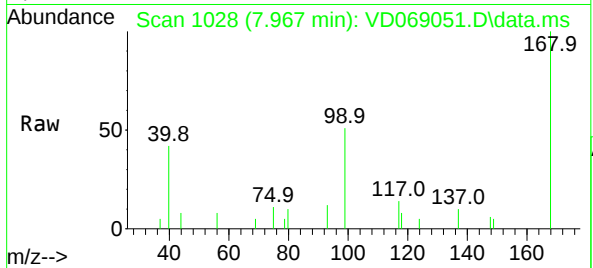
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
70 0.0 9.4 14.0#



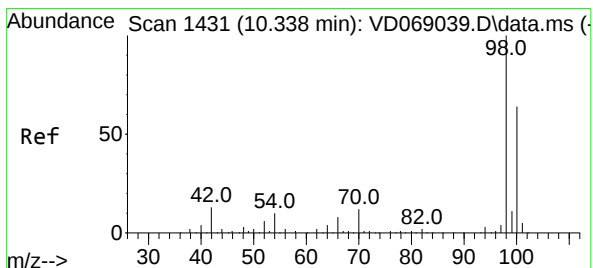
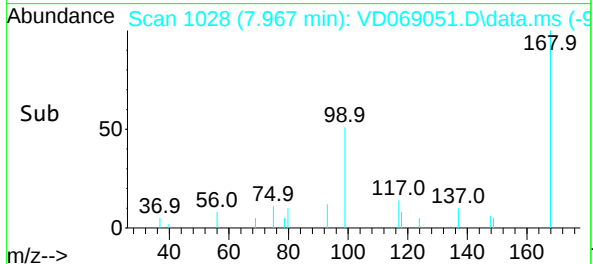
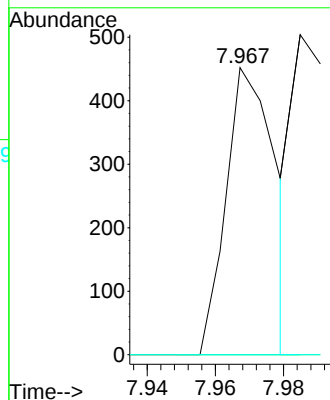


#38
Carbon Tetrachloride
Concen: 2.24 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

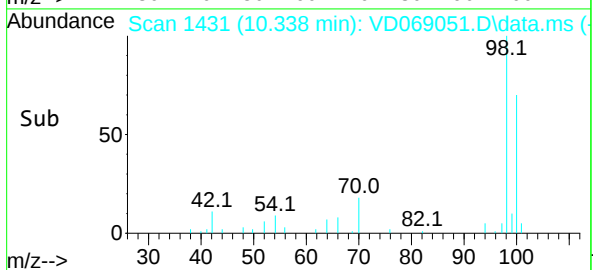
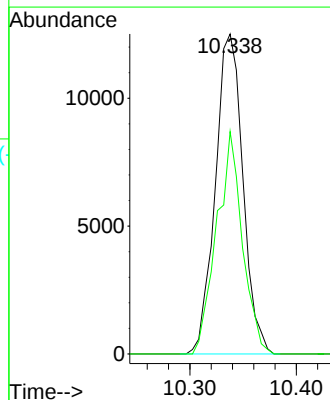
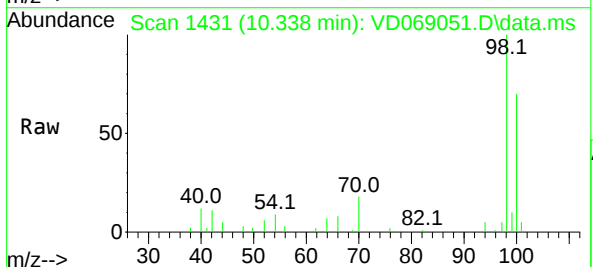


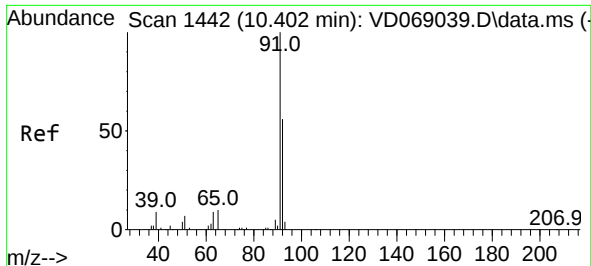
Tgt Ion:117 Resp: 456
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 48.16 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion: 98 Resp: 22515
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

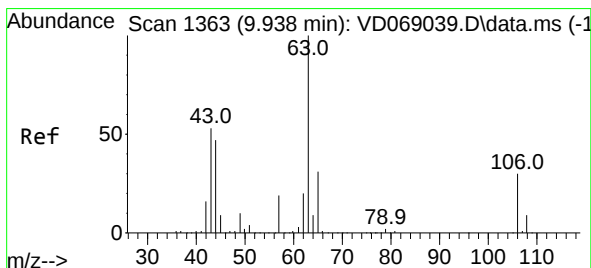
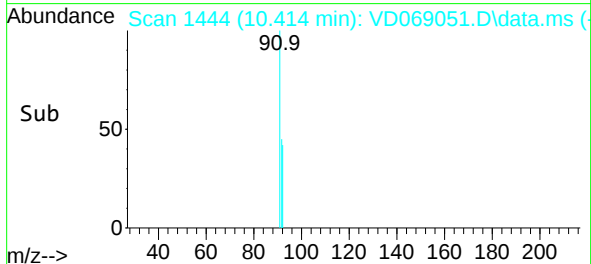
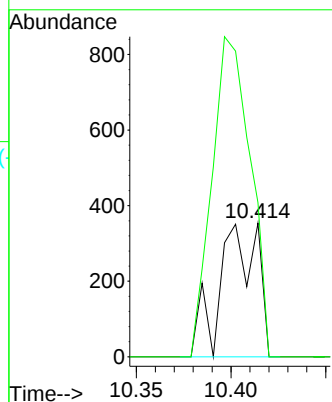
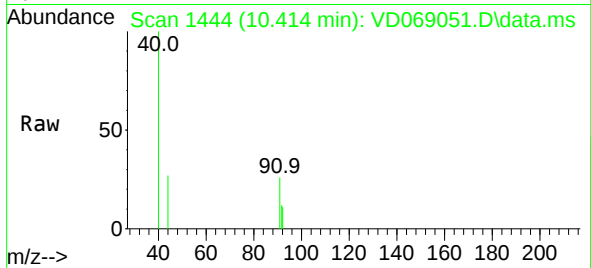




#52
Toluene
Concen: 1.43 ug/l
RT: 10.414 min Scan# 1444
Delta R.T. 0.012 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

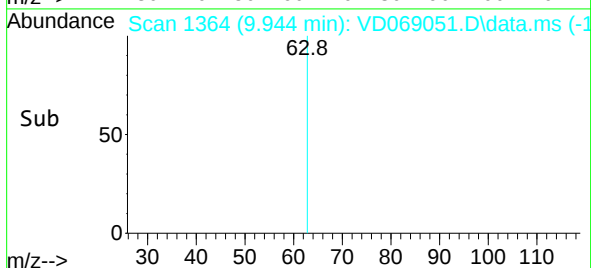
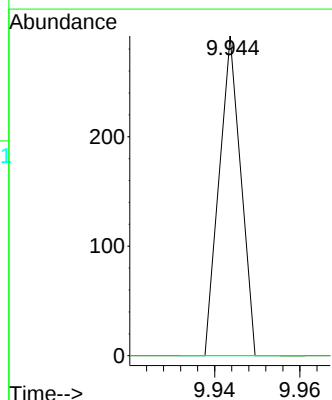
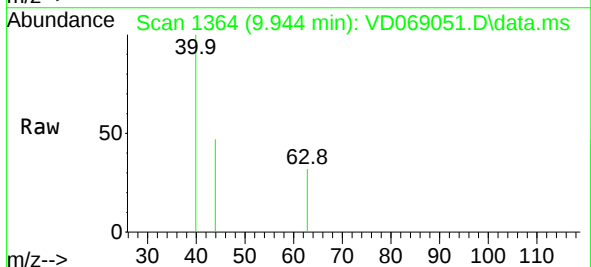
Instrument :
MSVOA_D
ClientSampleId :

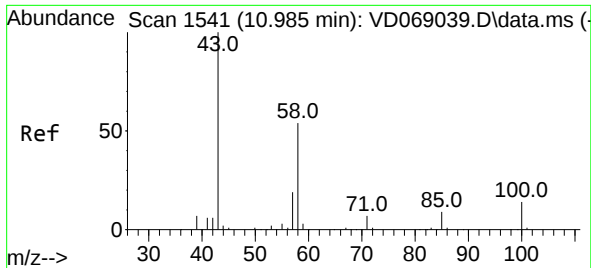
Tgt Ion: 92 Resp: 490
Ion Ratio Lower Upper
92 100
91 243.5 139.1 208.7#



#58
2-Chloroethyl Vinyl ether
Concen: 1.69 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion: 63 Resp: 103
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

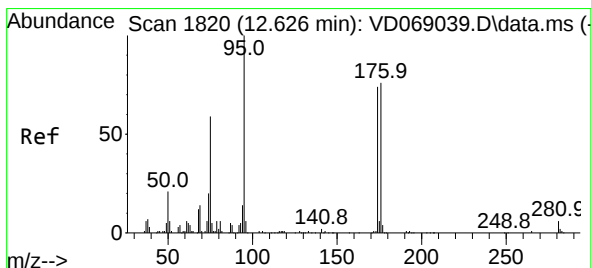
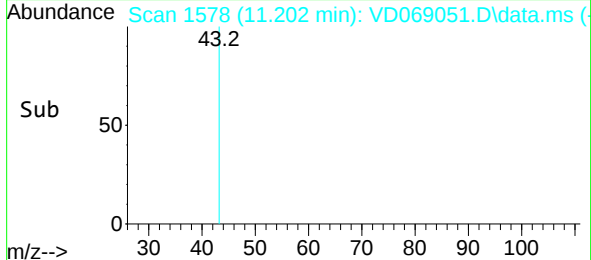
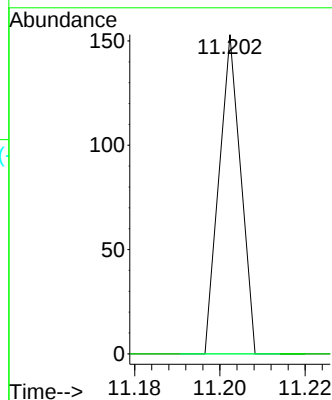
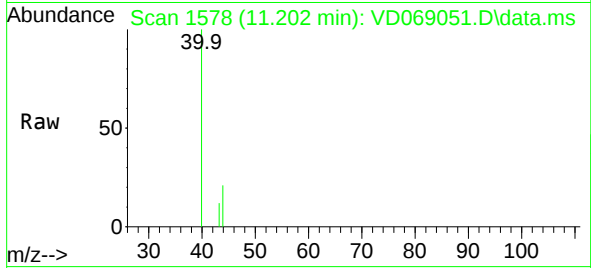




#59
2-Hexanone
Concen: 1.09 ug/l
RT: 11.202 min Scan# 1578
Delta R.T. 0.217 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

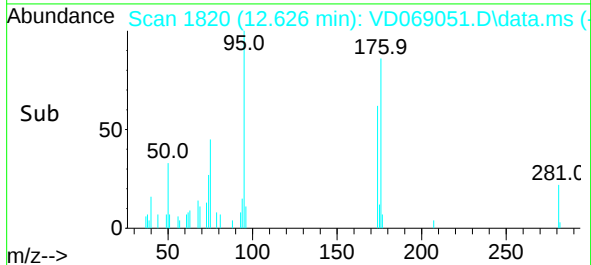
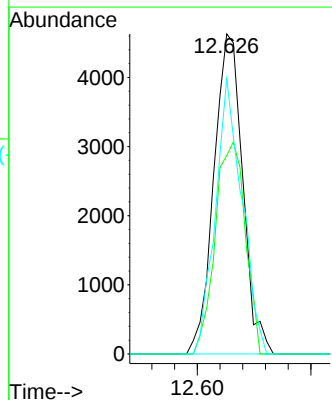
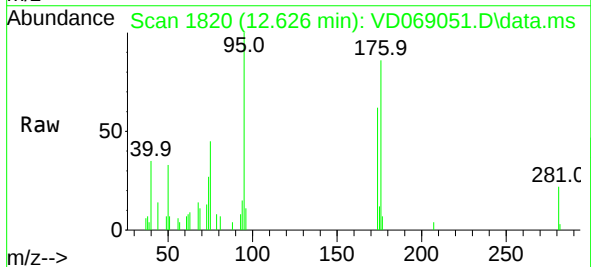
Instrument :
MSVOA_D
ClientSampled :

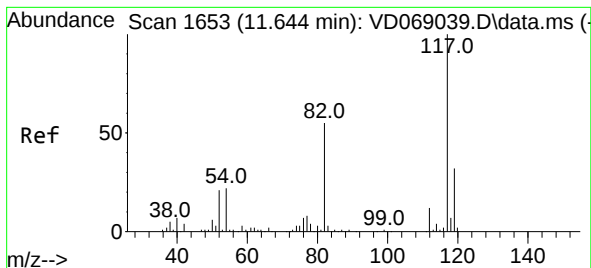
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 51.58 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion: 95 Resp: 8141
Ion Ratio Lower Upper
95 100
174 69.1 0.0 168.0
176 79.6 0.0 160.2

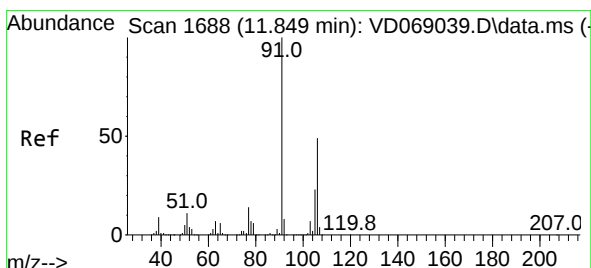
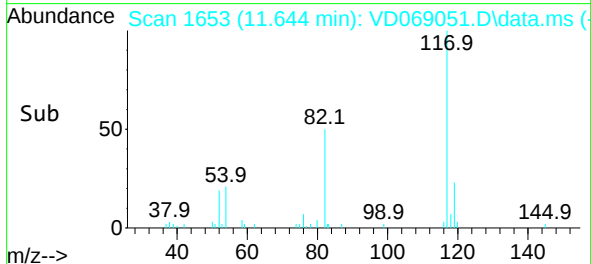
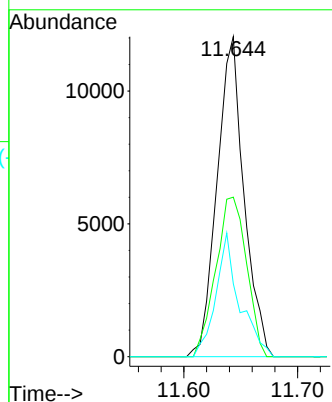
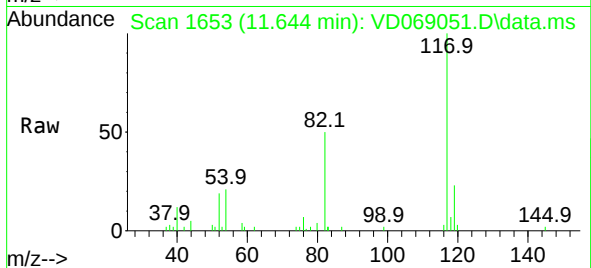




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

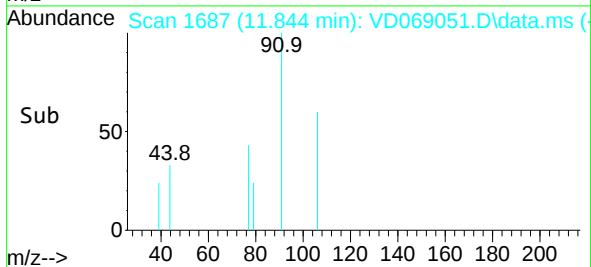
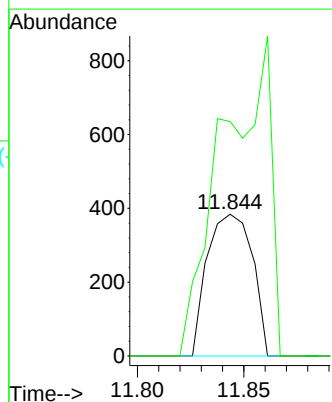
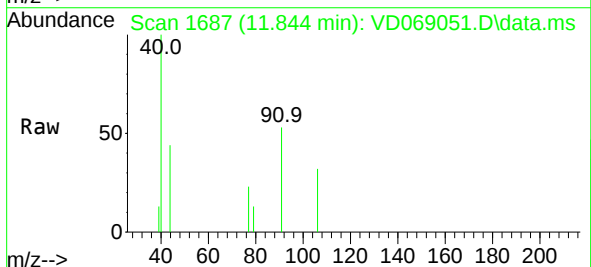
Instrument :
MSVOA_D
ClientSampleId :

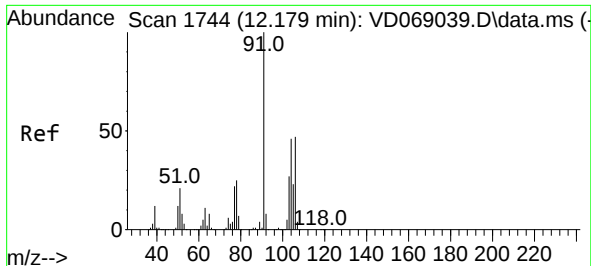
Tgt Ion:117 Resp: 19873
Ion Ratio Lower Upper
117 100
82 49.9 43.5 65.3
119 22.8 26.7 40.1#



#68
m/p-Xylenes
Concen: 2.11 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.005 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion:106 Resp: 566
Ion Ratio Lower Upper
106 100
91 240.6 158.6 238.0#

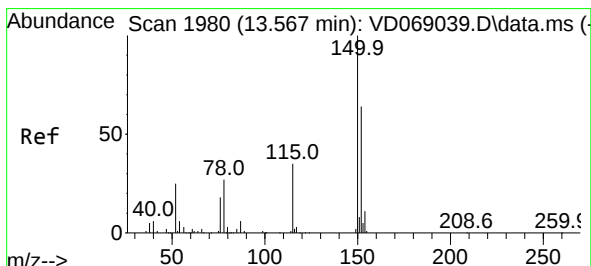
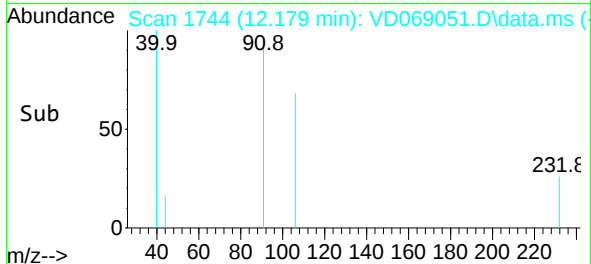
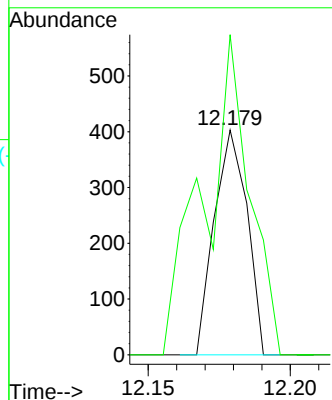
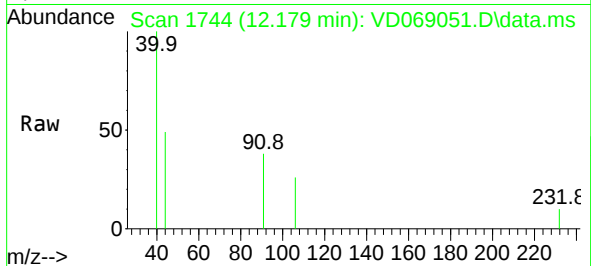




#69
o-Xylene
Concen: 1.32 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

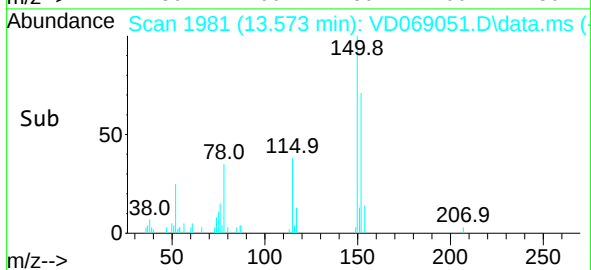
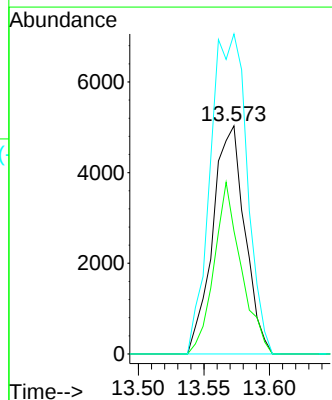
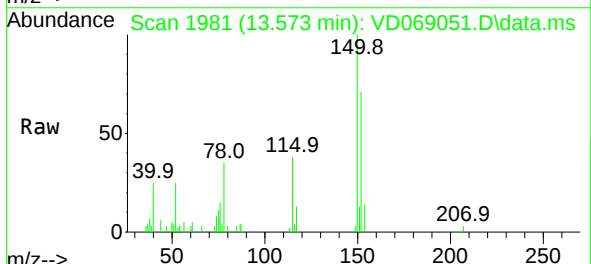
Instrument :
MSVOA_D
ClientSampleId :

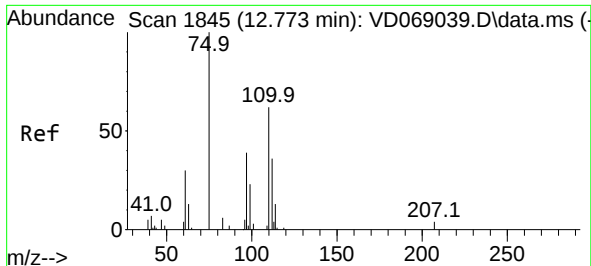
Tgt Ion:106 Resp: 322
Ion Ratio Lower Upper
106 100
91 198.4 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Tgt Ion:152 Resp: 8582
Ion Ratio Lower Upper
152 100
115 63.3 29.3 87.8
150 160.4 0.0 347.6

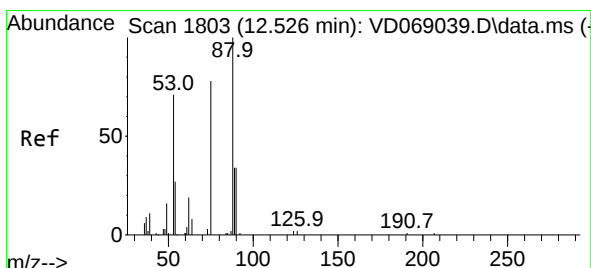
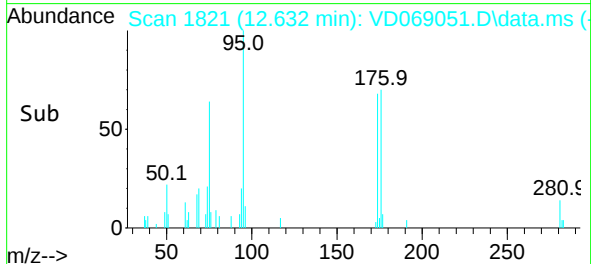
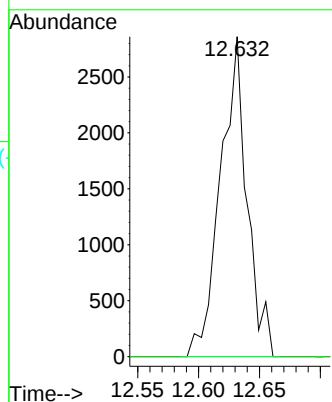
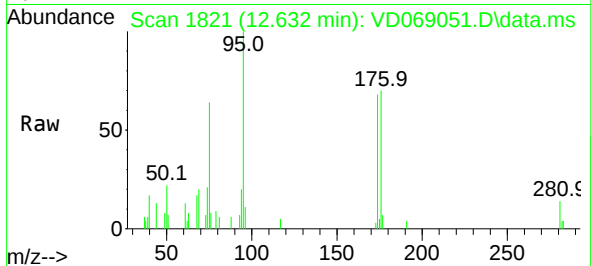




#76
1,2,3-Trichloropropane
Concen: 53.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

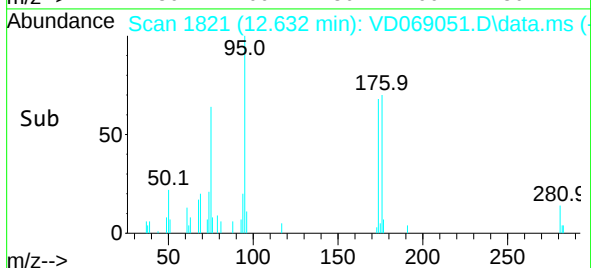
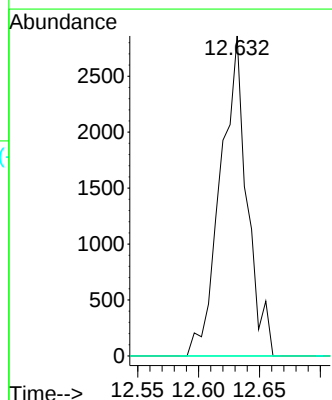
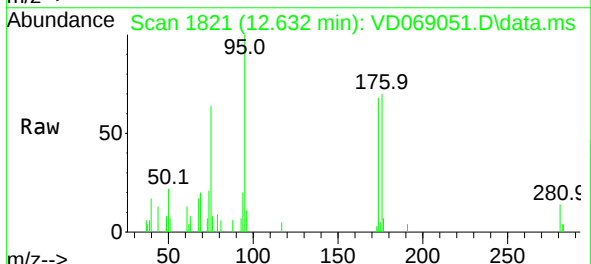
Instrument :
MSVOA_D
ClientSampleId :

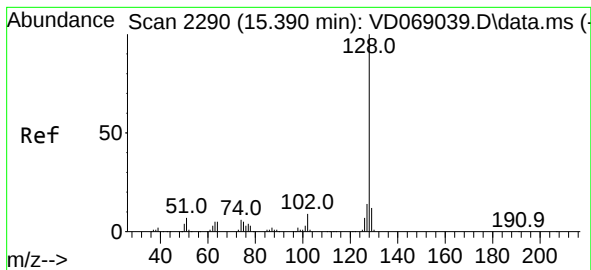
Tgt Ion: 75 Resp: 4342
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 125.47 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

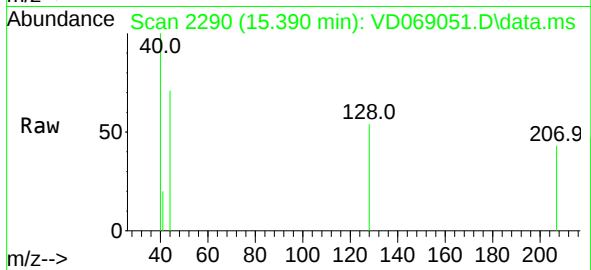
Tgt Ion: 75 Resp: 4342
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#





#95
Naphthalene
Concen: 2.04 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069051.D
Acq: 03 May 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.9	13.3#

