

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069225.D
 Acq On : 20 May 2021 18:18
 Operator : VA/SY
 Sample : M2472-10
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 00:56:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

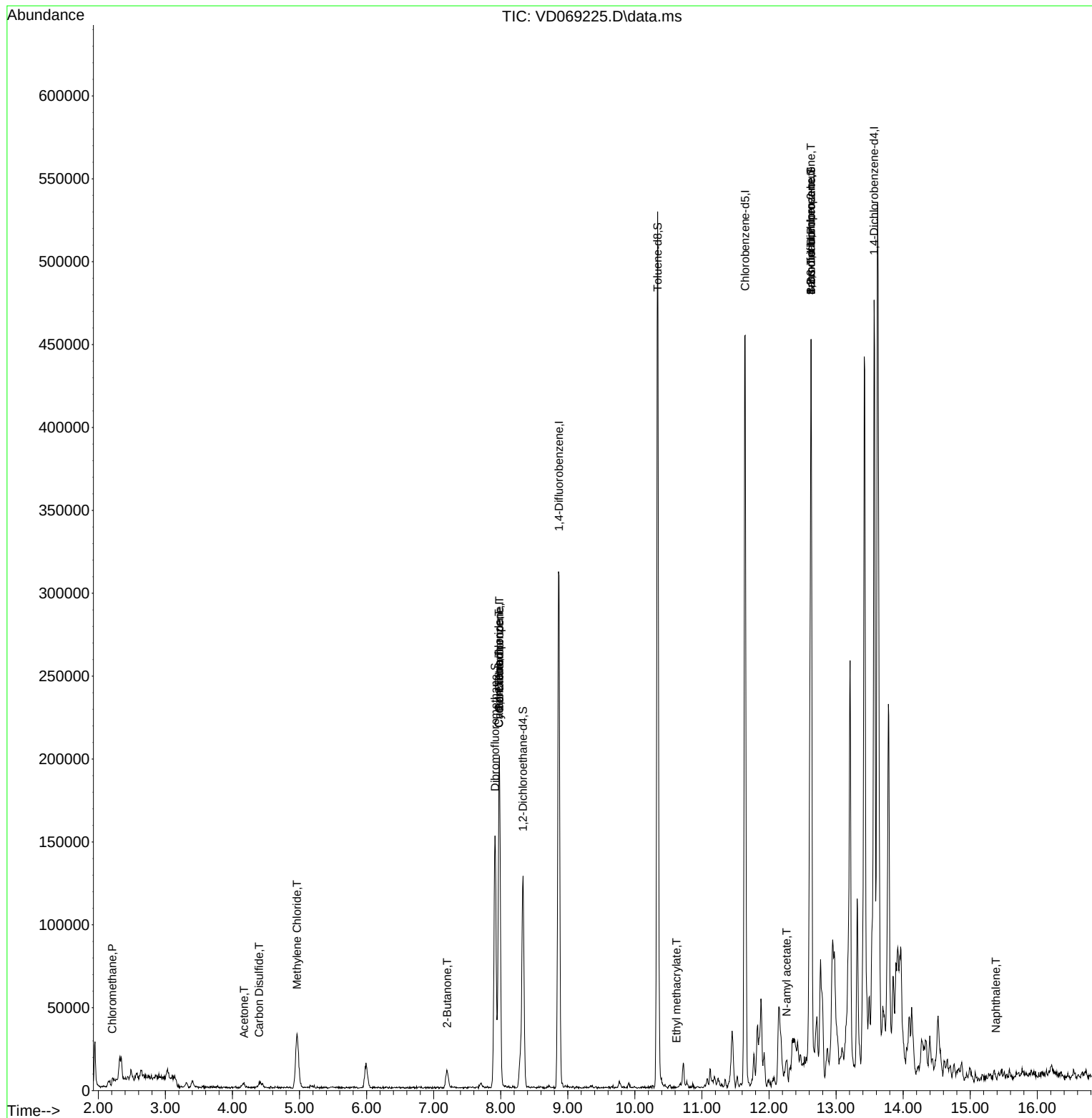
Internal Standards						
1) Pentafluorobenzene	7.979	168	146604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	273023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	273232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	114572	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	99156	67.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.94%			
35) Dibromofluoromethane	7.914	113	106669	60.04	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.08%			
50) Toluene-d8	10.338	98	352177	53.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.88%			
62) 4-Bromofluorobenzene	12.626	95	122710	58.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.82%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1986	1.11	ug/l	97
11) Tert butyl alcohol	5.220	59	308	Below Cal	#	73
16) Acetone	4.173	43	4980	22.12	ug/l	90
17) Carbon Disulfide	4.397	76	5611	1.15	ug/l #	87
20) Methylene Chloride	4.962	84	28149	7.69	ug/l	89
25) 2-Butanone	7.203	43	1195	3.92	ug/l #	38
31) Cyclohexane	7.973	56	3596	1.65	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	13043	4.91	ug/l #	48
38) Carbon Tetrachloride	7.973	117	14487	4.88	ug/l #	19
56) Ethyl methacrylate	10.620	69	71	1.36	ug/l #	32
71) Bromoform	12.626	173	1223	1.10	ug/l #	28
74) N-amyl acetate	12.261	43	2864	2.19	ug/l #	62
76) 1,2,3-Trichloropropane	12.626	75	63276	73.47	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	63276	148.41	ug/l #	14
95) Naphthalene	15.385	128	854	2.26	ug/l #	90

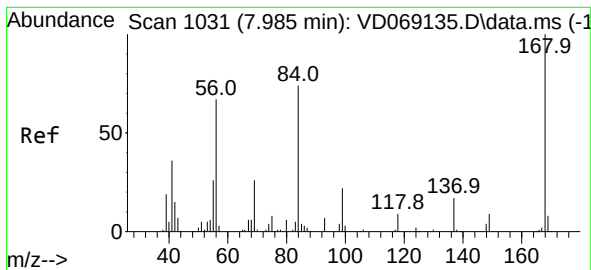
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 00:56:07 2021
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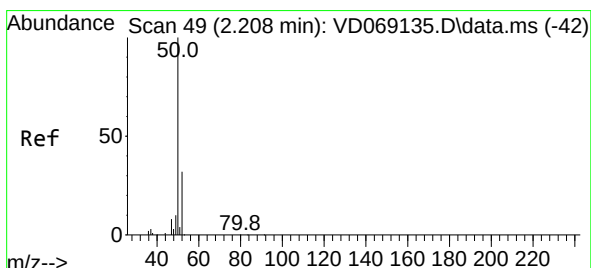
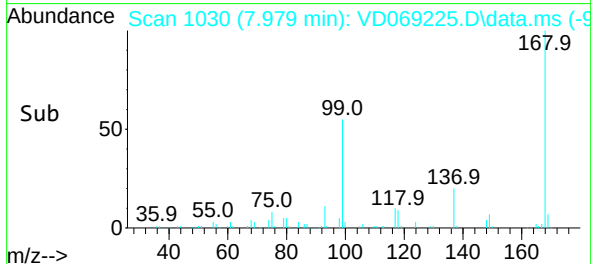
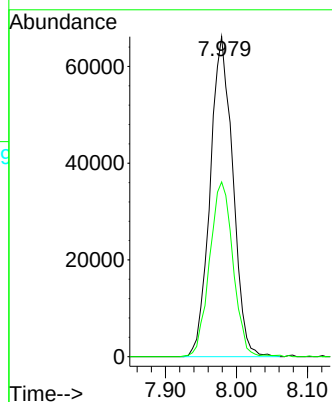
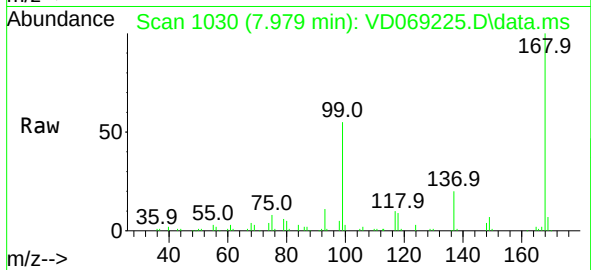




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

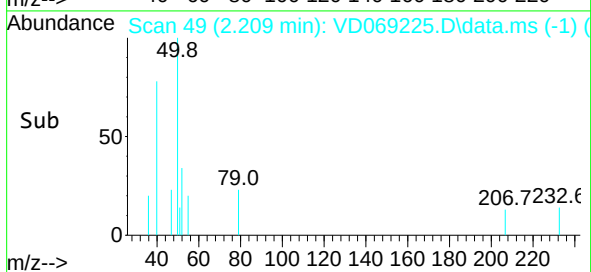
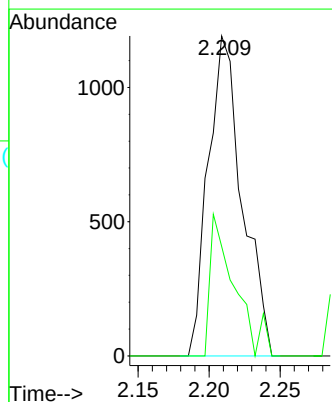
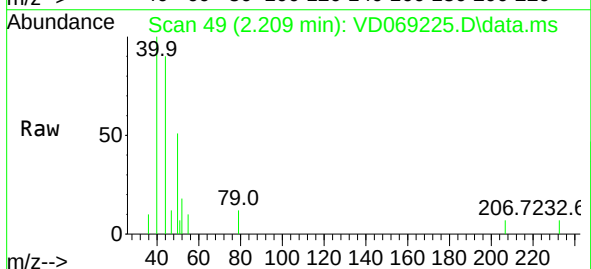
Instrument :
MSVOA_D
ClientSampleId :

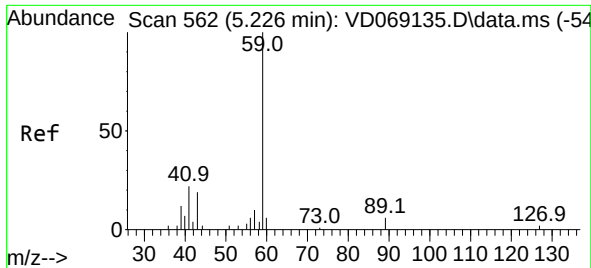
Tgt Ion:168 Resp: 146604
Ion Ratio Lower Upper
168 100
99 54.6 47.2 70.8



#3
Chloromethane
Concen: 1.11 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 50 Resp: 1986
Ion Ratio Lower Upper
50 100
52 34.2 25.8 38.8

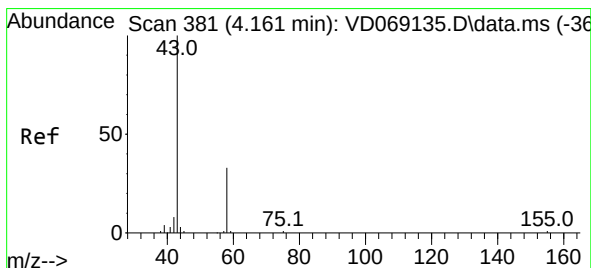
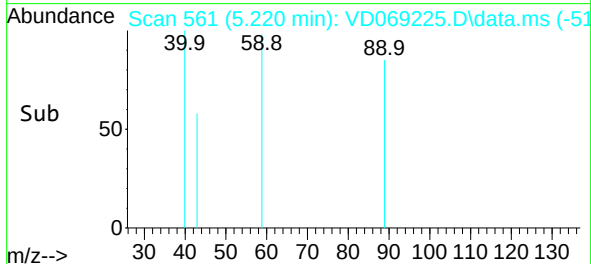
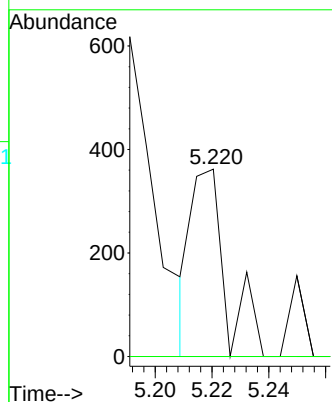
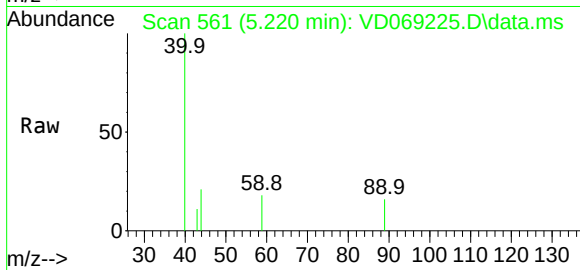




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

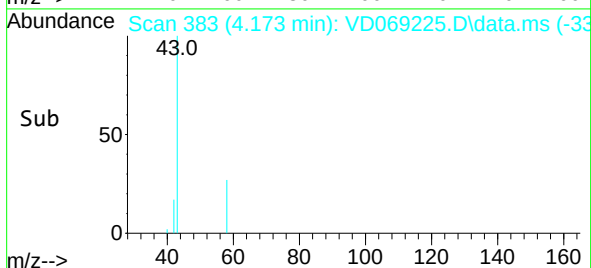
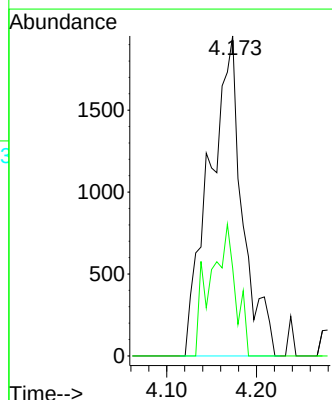
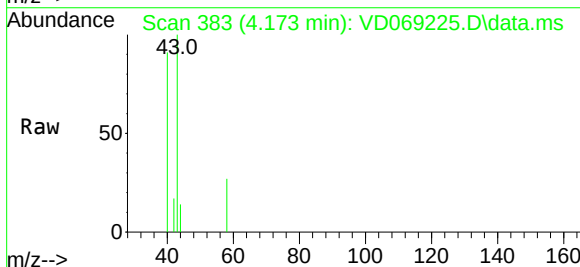
Instrument :
MSVOA_D
ClientSampled :

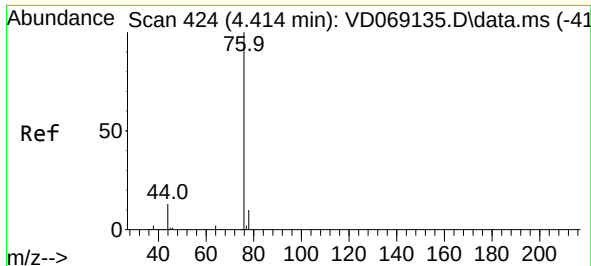
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 22.12 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 43 Resp: 4980
Ion Ratio Lower Upper
43 100
58 27.4 26.7 40.1

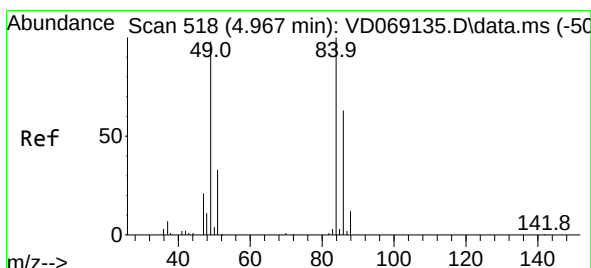
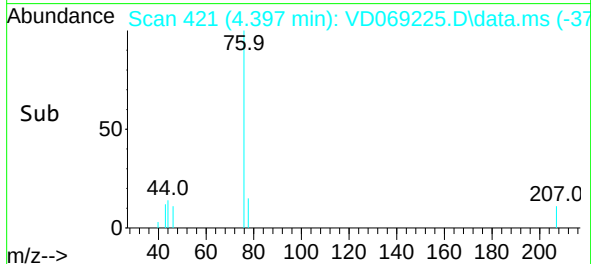
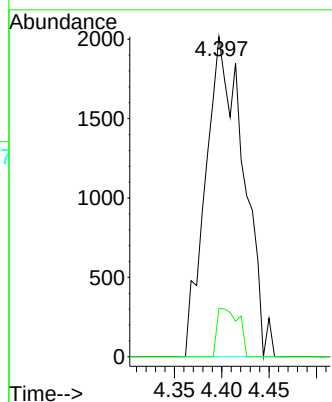
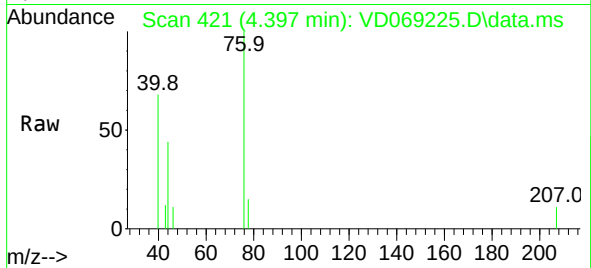




#17
Carbon Disulfide
Concen: 1.15 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.017 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

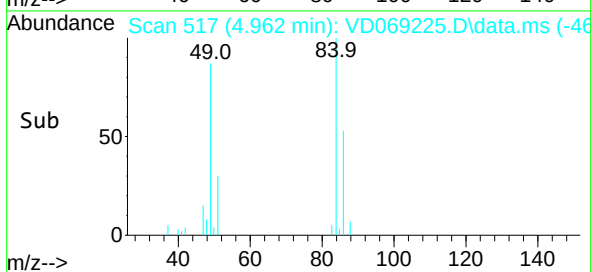
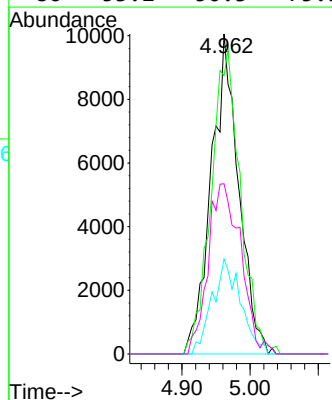
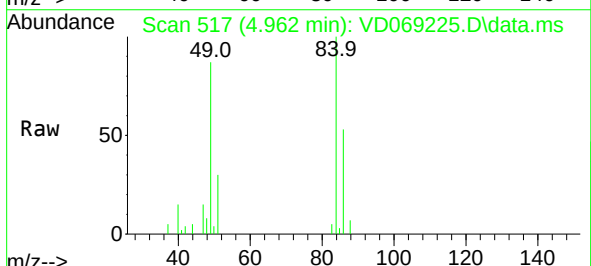
Instrument :
MSVOA_D
ClientSampleId :

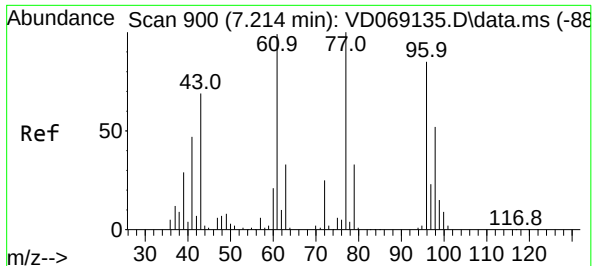
Tgt Ion: 76 Resp: 5611
Ion Ratio Lower Upper
76 100
78 15.1 8.1 12.1#



#20
Methylene Chloride
Concen: 7.69 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 84 Resp: 28149
Ion Ratio Lower Upper
84 100
49 87.0 78.6 117.8
51 29.7 26.7 40.1
86 53.2 50.3 75.5

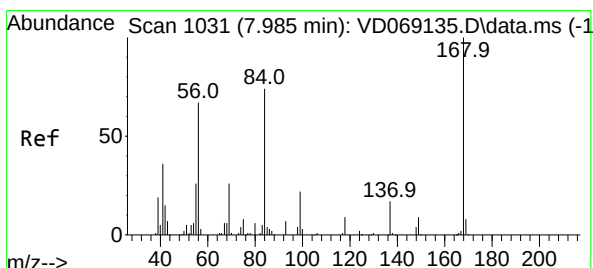
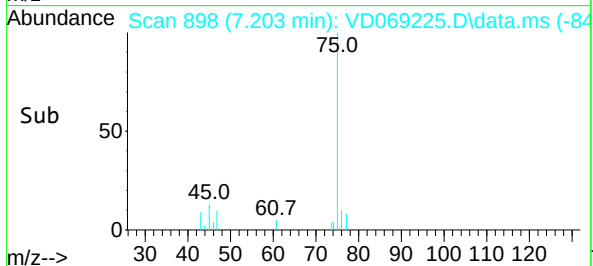
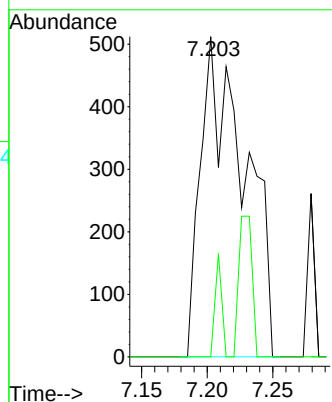
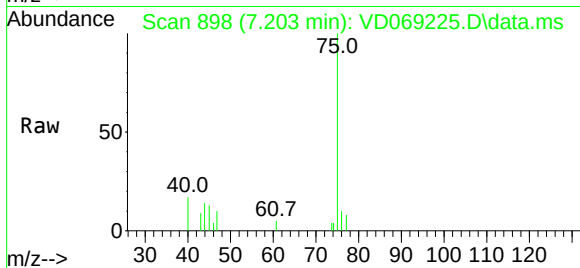




#25
2-Butanone
Concen: 3.92 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

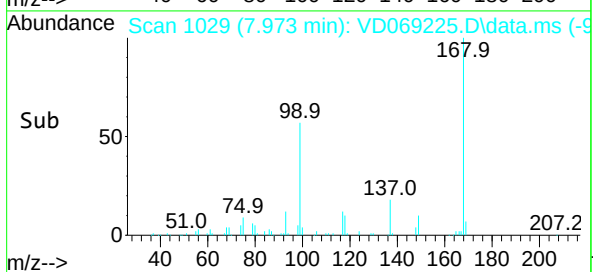
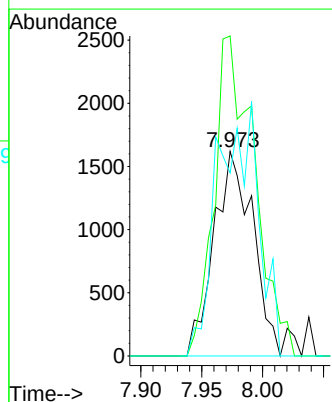
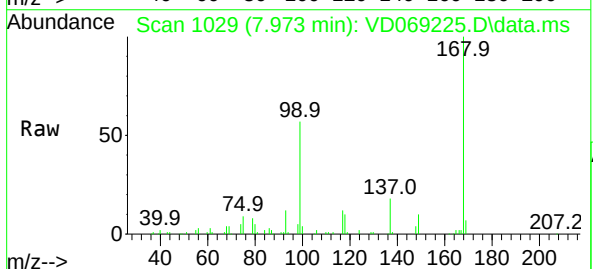
Instrument :
MSVOA_D
ClientSampled :

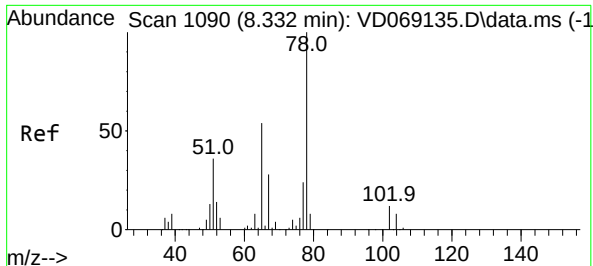
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 56 Resp: 3596
Ion Ratio Lower Upper
56 100
69 167.6 30.6 46.0#
84 89.5 88.0 132.0

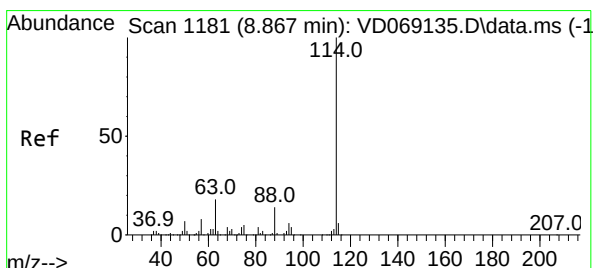
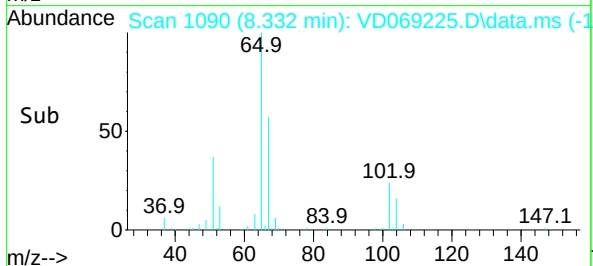
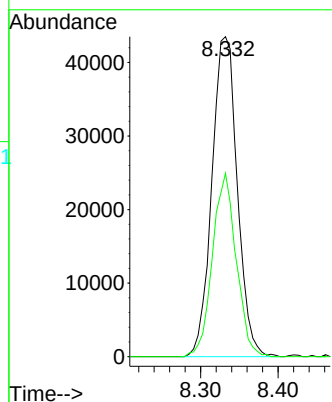
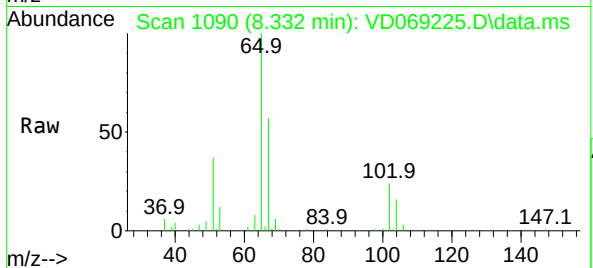




#33
1,2-Dichloroethane-d4
Concen: 67.47 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

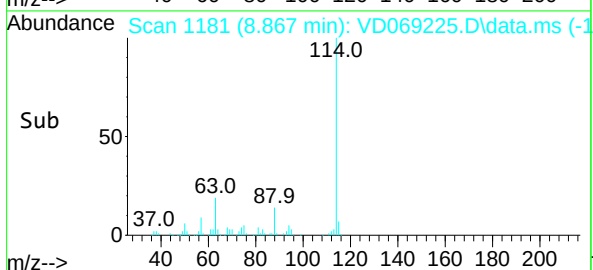
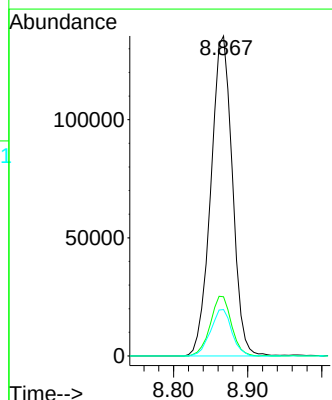
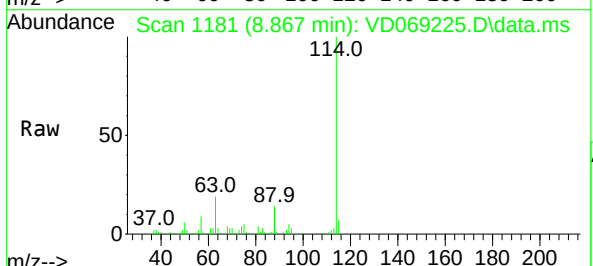
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MSVOA_D
ClientSampleId :

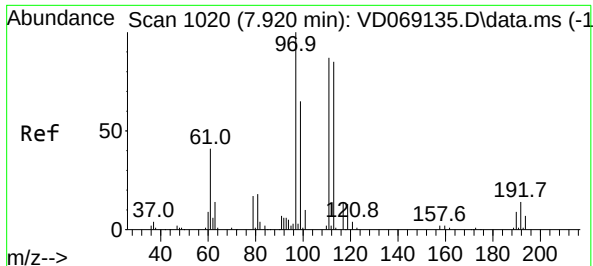
Tgt Ion: 65 Resp: 99156
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 114 Resp: 273023
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.4
88 14.5 0.0 28.2





#35

Dibromofluoromethane

Concen: 60.04 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD069225.D

Acq: 20 May 2021 18:18

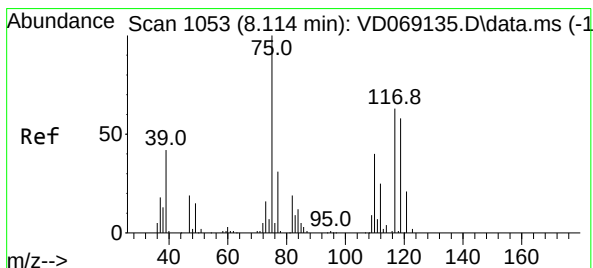
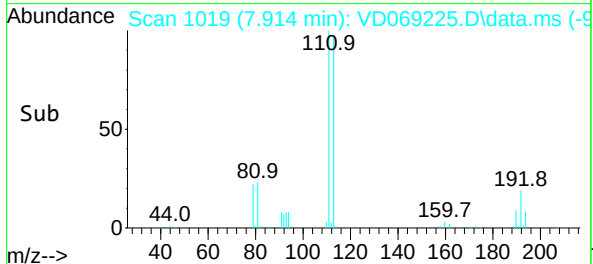
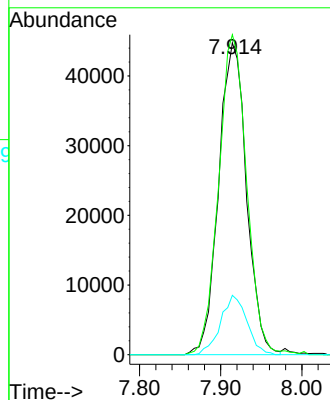
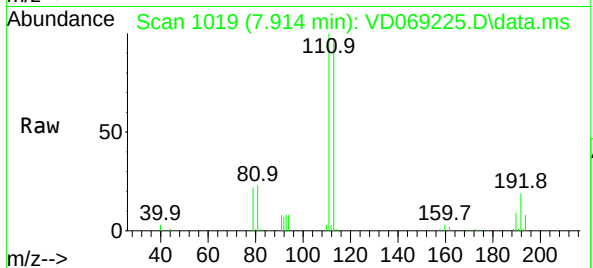
Tgt Ion:113 Resp: 106669

Ion Ratio Lower Upper

113 100

111 103.5 80.6 120.8

192 18.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.91 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069225.D

Acq: 20 May 2021 18:18

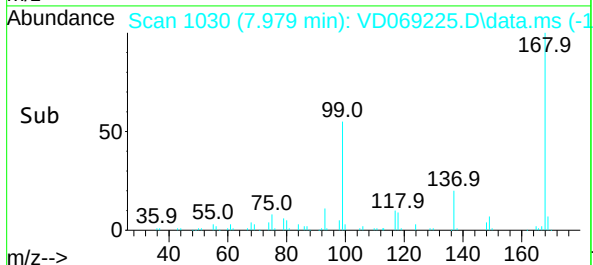
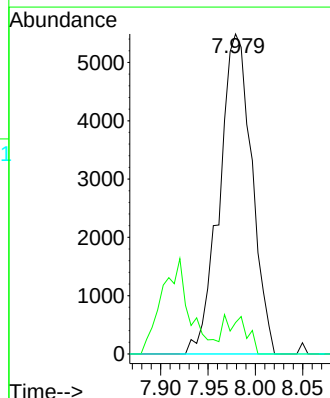
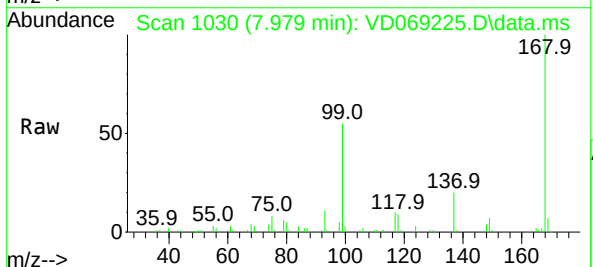
Tgt Ion: 75 Resp: 13043

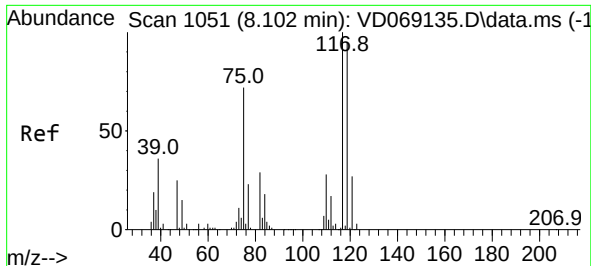
Ion Ratio Lower Upper

75 100

110 9.1 18.8 56.4#

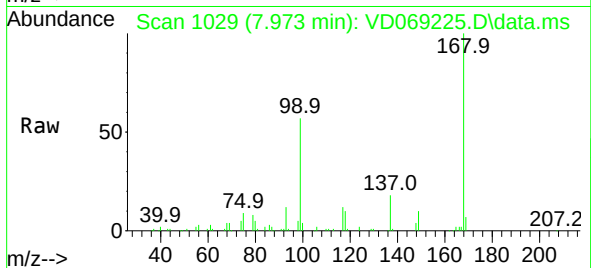
77 0.0 25.2 37.8#



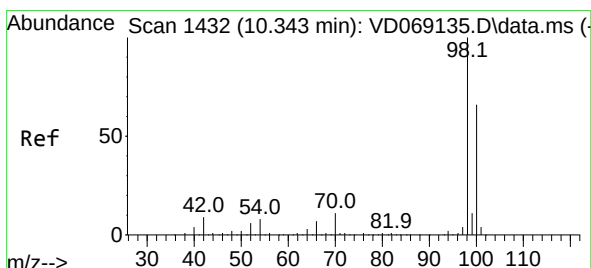
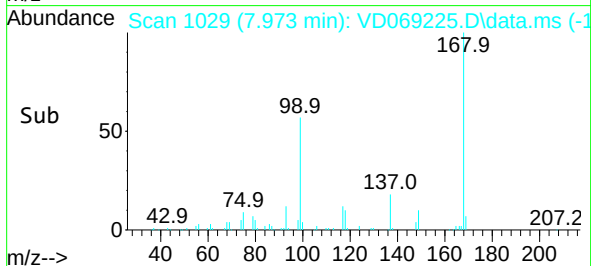
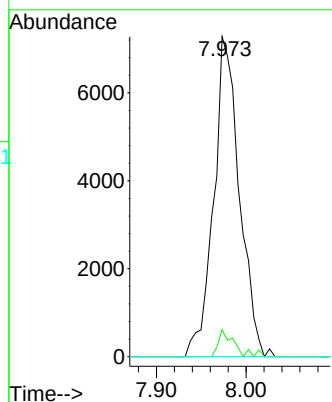


#38
Carbon Tetrachloride
Concen: 4.88 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Instrument :
MSVOA_D
ClientSampleId :

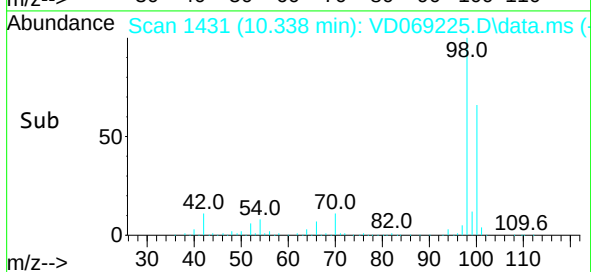
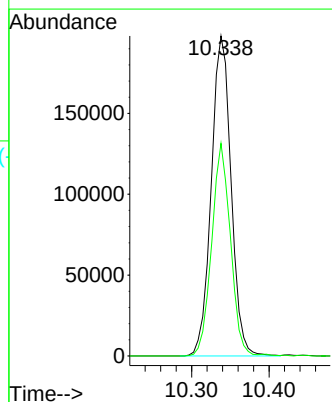
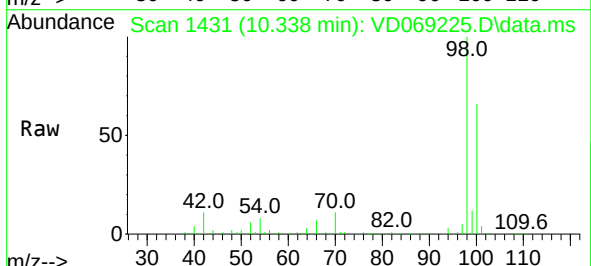


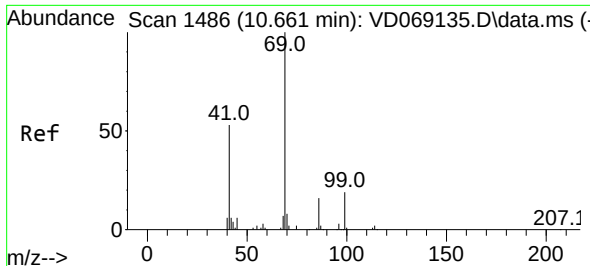
Tgt Ion:117 Resp: 14487
Ion Ratio Lower Upper
117 100
119 8.5 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 53.94 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 98 Resp: 352177
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.8

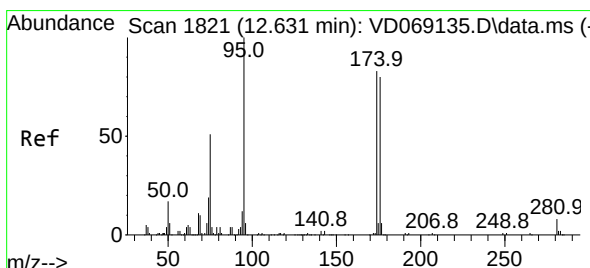
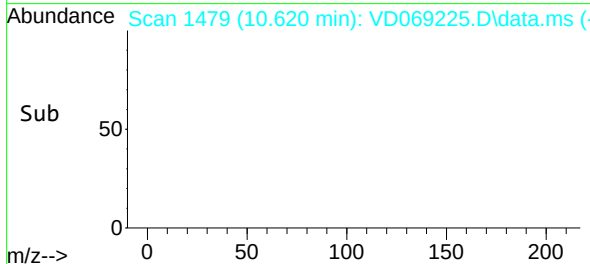
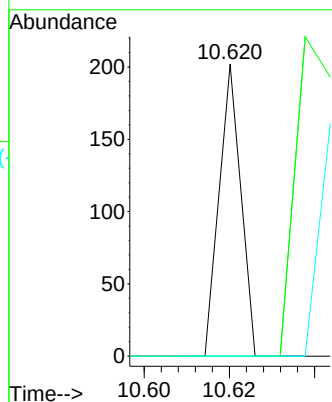
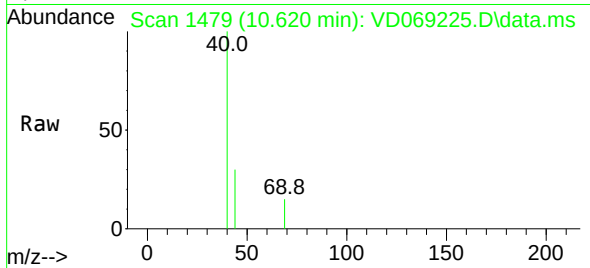




#56
Ethyl methacrylate
Concen: 1.36 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.041 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

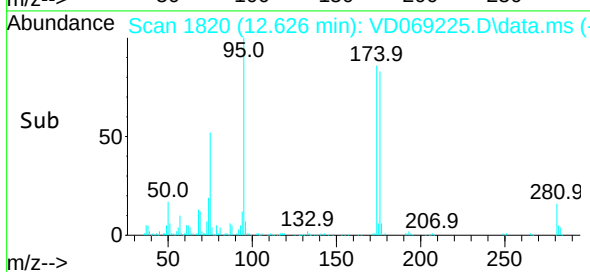
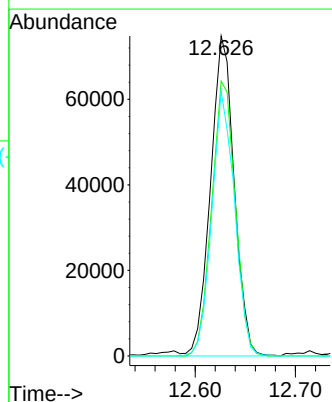
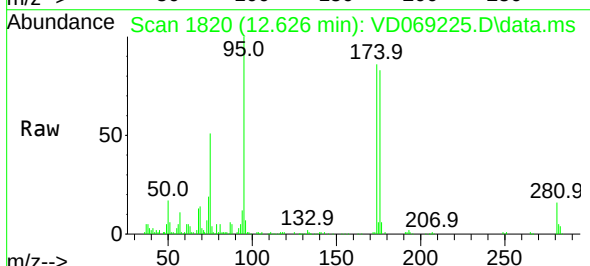
Instrument :
MSVOA_D
ClientSampled :

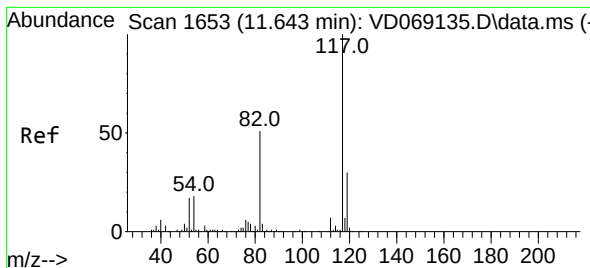
Tgt Ion: 69	Resp:	71
Ion Ratio	Lower	Upper
69	100	
41	0.0	42.2 63.2#
39	0.0	26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 58.41 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 95	Resp:	122710
Ion Ratio	Lower	Upper
95	100	
174	85.9	0.0 171.8
176	79.5	0.0 165.4

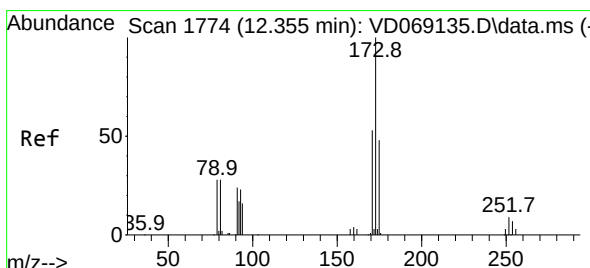
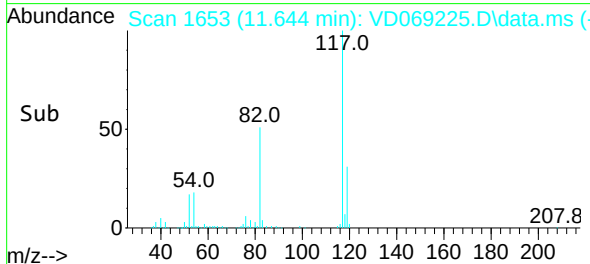
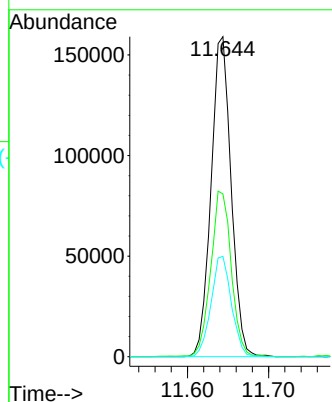
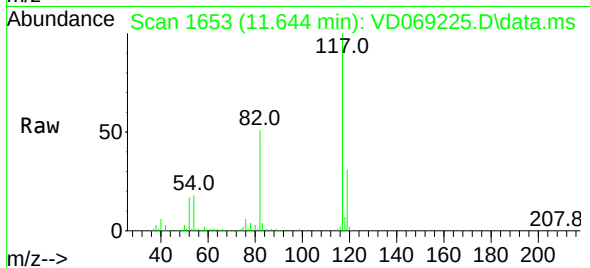




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

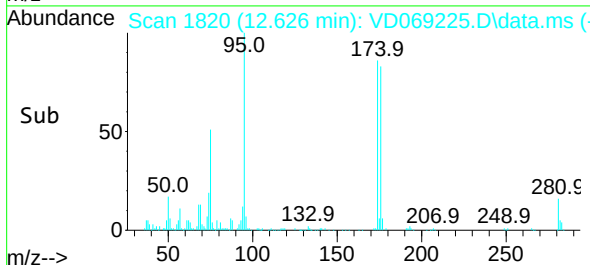
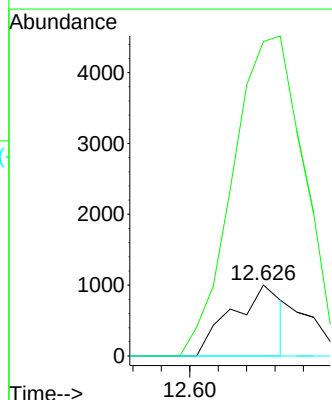
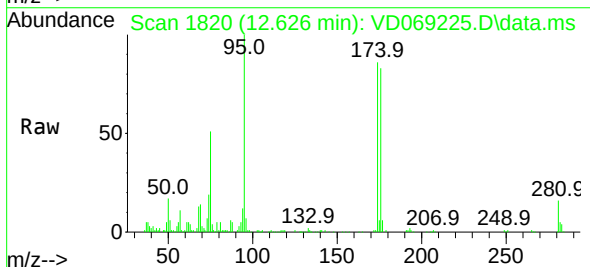
Instrument :
MSVOA_D
ClientSampleId :

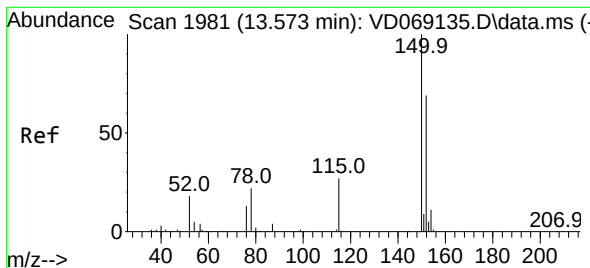
Tgt Ion:117 Resp: 273232
Ion Ratio Lower Upper
117 100
82 50.8 40.5 60.7
119 31.4 24.2 36.4



#71
Bromoform
Concen: 1.10 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion:173 Resp: 1223
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

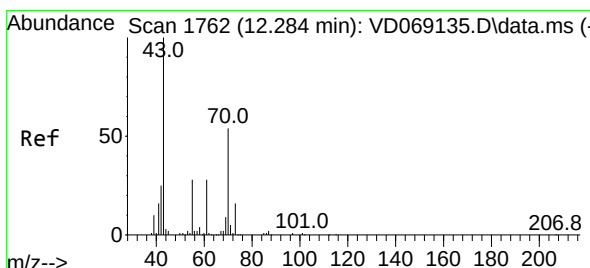
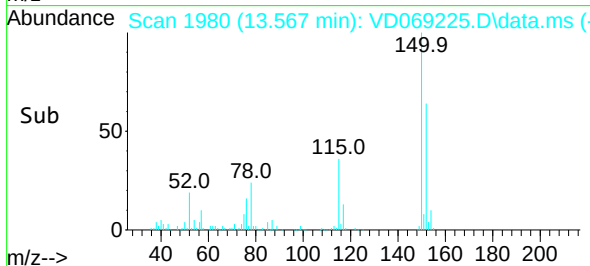
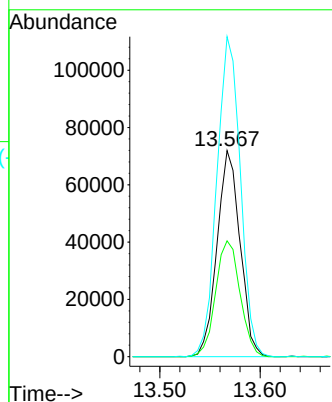
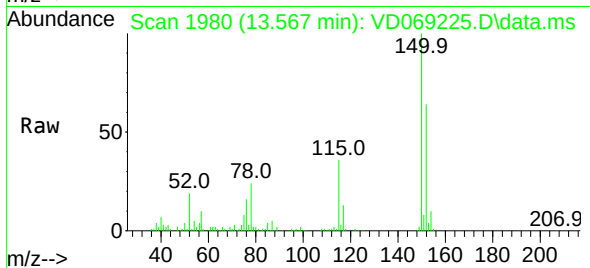




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

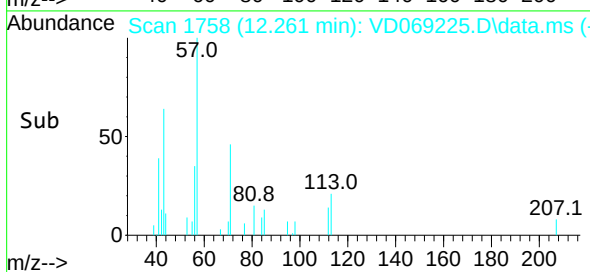
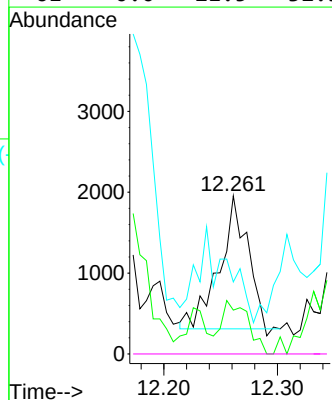
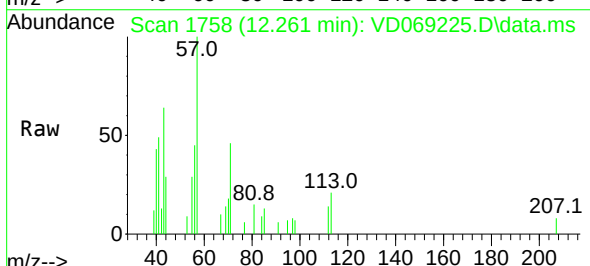
Instrument :
MSVOA_D
ClientSampleId :

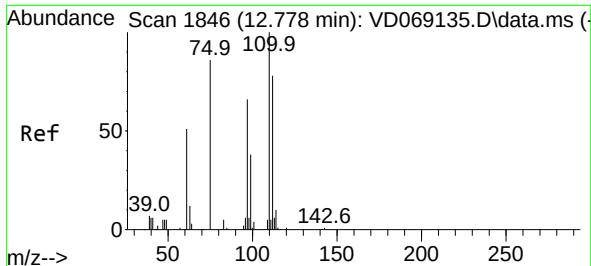
Tgt Ion:152 Resp: 114572
Ion Ratio Lower Upper
152 100
115 59.6 29.9 89.8
150 158.5 0.0 350.2



#74
N-ethyl acetate
Concen: 2.19 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.023 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Tgt Ion: 43 Resp: 2864
Ion Ratio Lower Upper
43 100
70 36.7 41.6 62.4#
55 0.0 22.6 34.0#
61 0.0 21.5 32.3#

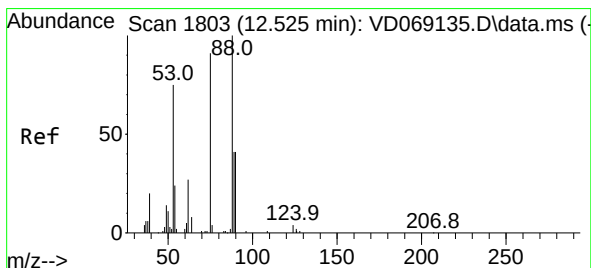
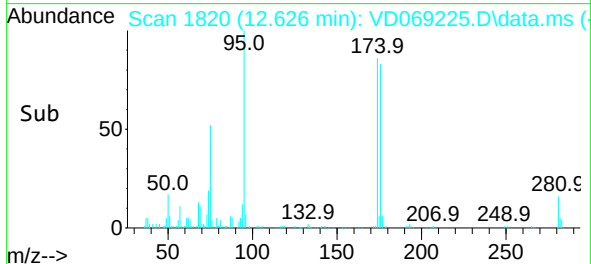
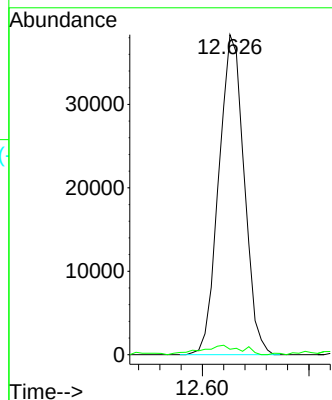
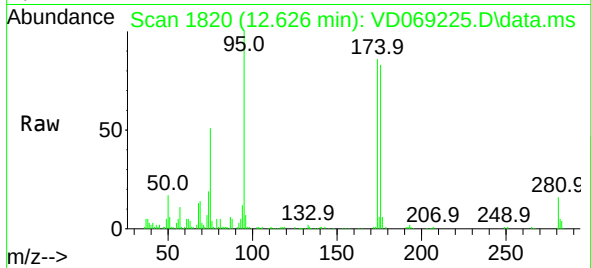




#76
1,2,3-Trichloropropane
Concen: 73.47 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

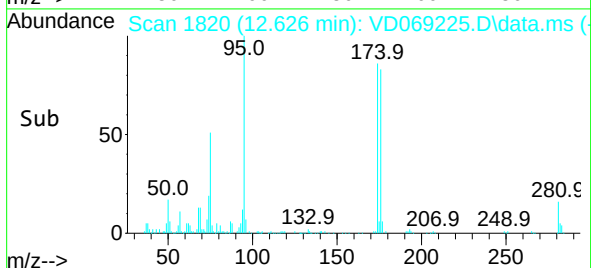
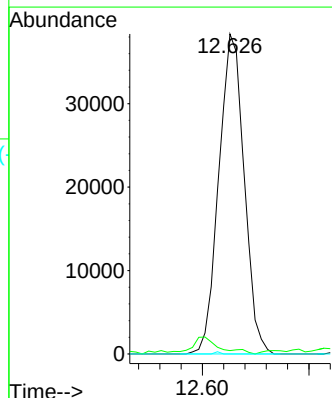
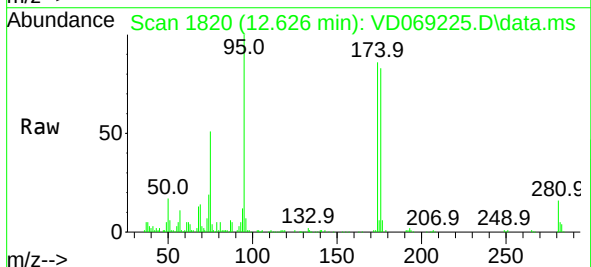
Instrument :
MSVOA_D
ClientSampleId :

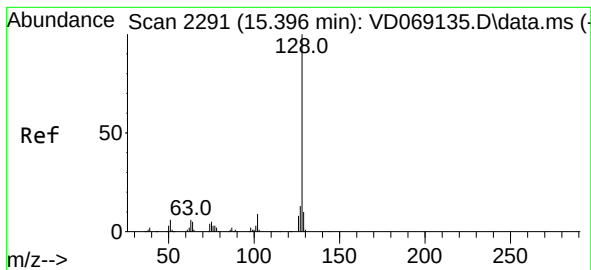
Tgt Ion: 75 Resp: 63276
Ion Ratio Lower Upper
75 100
77 4.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.41 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

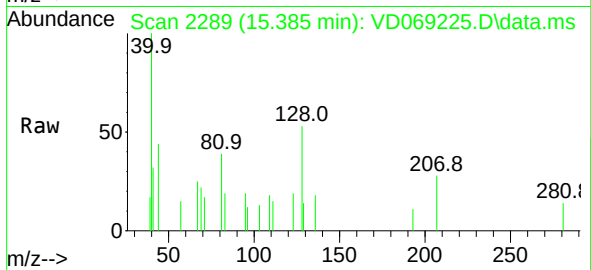
Tgt Ion: 75 Resp: 63276
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.2 40.2 60.2#





#95
Naphthalene
Concen: 2.26 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069225.D
Acq: 20 May 2021 18:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	854
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.5	15.7#
129	8.4	8.9	13.3#

