

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069477.D
 Acq On : 17 Jun 2021 13:56
 Operator : VA/SY
 Sample : M2735-03
 Misc : 6.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124035

Quant Time: Jun 18 01:26:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

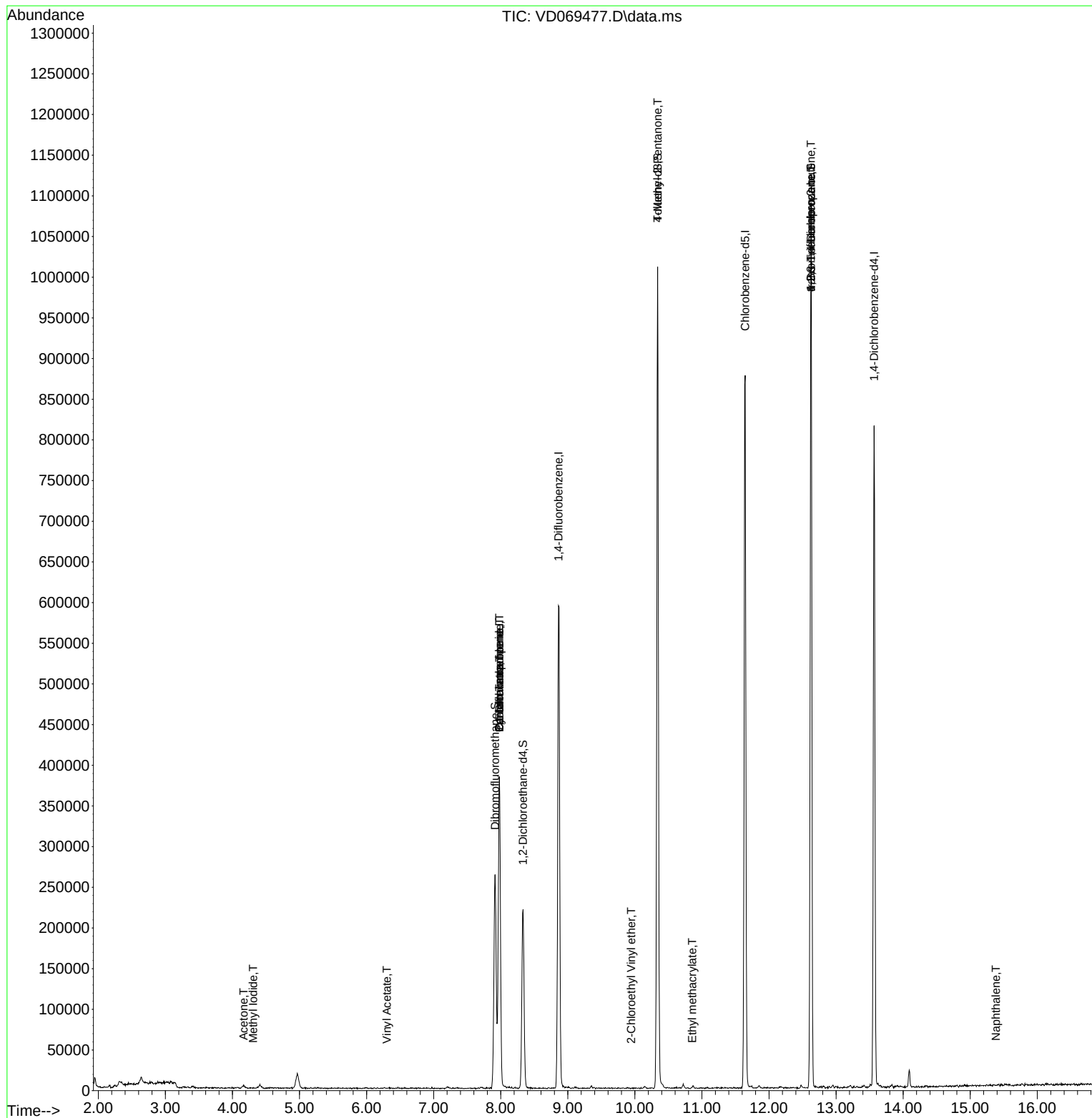
Internal Standards						
1) Pentafluorobenzene	7.979	168	287231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	539387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	545458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	221459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	179500	55.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.780%			
35) Dibromofluoromethane	7.914	113	194483	48.139	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.280%			
50) Toluene-d8	10.338	98	689179	46.641	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.280%			
62) 4-Bromofluorobenzene	12.626	95	231710	48.872	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.740%			
Target Compounds						
5) Bromomethane	2.791	94	867	Below Cal	#	70
10) Methyl Iodide	4.309	142	66	3.353	ug/l #	47
16) Acetone	4.167	43	5649	10.532	ug/l	98
18) Methyl Acetate	4.656	43	57	Below Cal	#	46
20) Methylene Chloride	4.973	84	14505	Below Cal	#	80
23) Vinyl Acetate	6.303	43	58	17.589	ug/l #	67
31) Cyclohexane	7.979	56	6052	1.374	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	23309	4.150	ug/l #	50
38) Carbon Tetrachloride	7.979	117	29456	4.841	ug/l #	14
51) 4-Methyl-2-Pentanone	10.338	43	2854	1.574	ug/l #	1
56) Ethyl methacrylate	10.855	69	59	2.839	ug/l #	7
58) 2-Chloroethyl Vinyl ether	9.944	63	121	12.004	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	113406	50.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	113406	134.747	ug/l #	19
95) Naphthalene	15.385	128	347	3.613	ug/l #	69

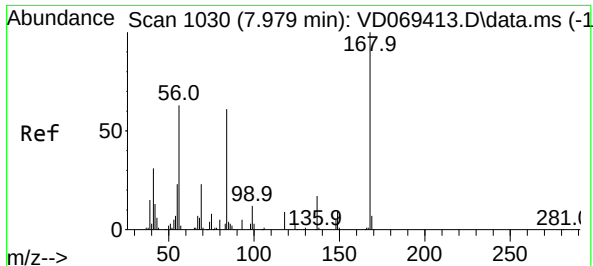
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

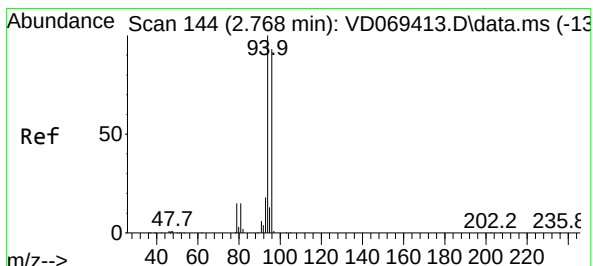
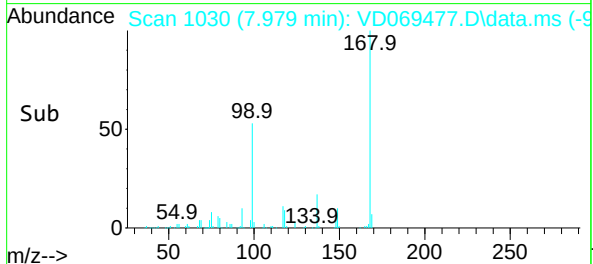
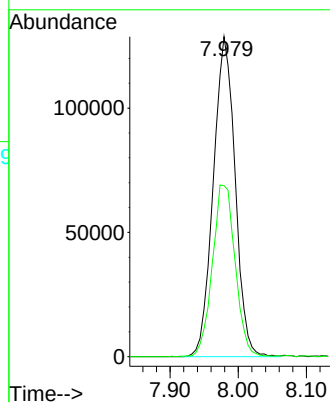
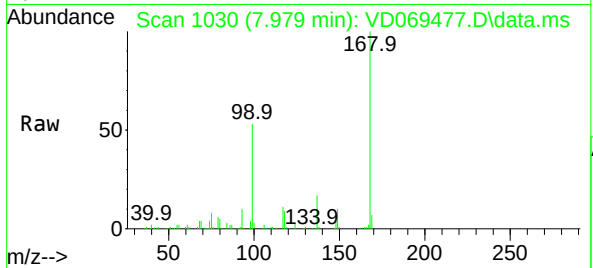




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

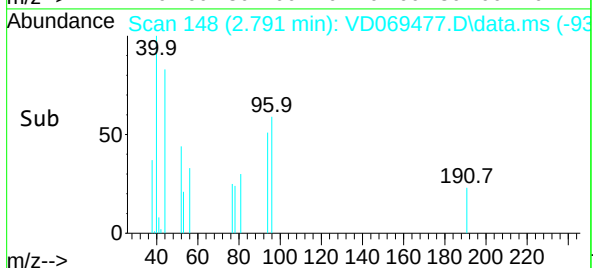
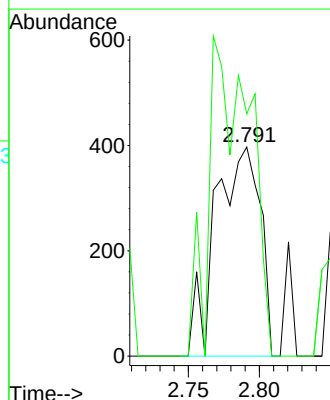
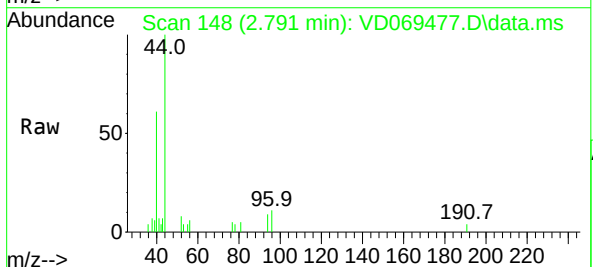
Instrument :
MSVOA_D
ClientSampled :
124035

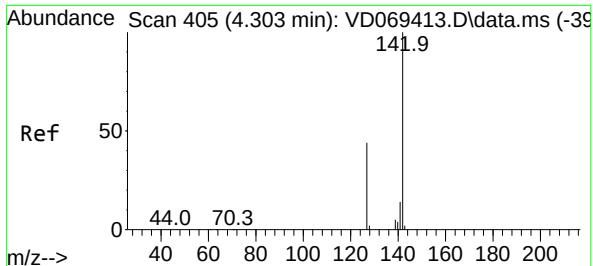
Tgt Ion:168 Resp: 287231
Ion Ratio Lower Upper
168 100
99 53.3 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 94 Resp: 867
Ion Ratio Lower Upper
94 100
96 115.9 70.3 105.5#

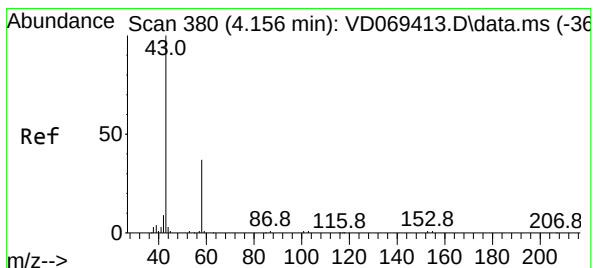
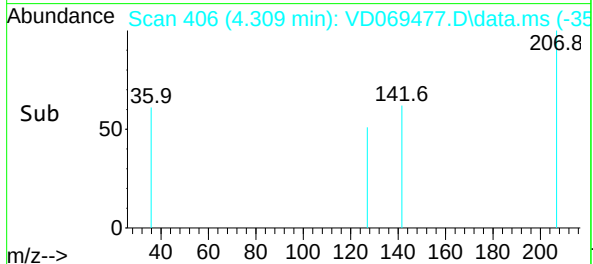
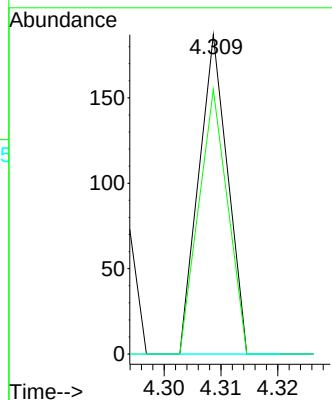
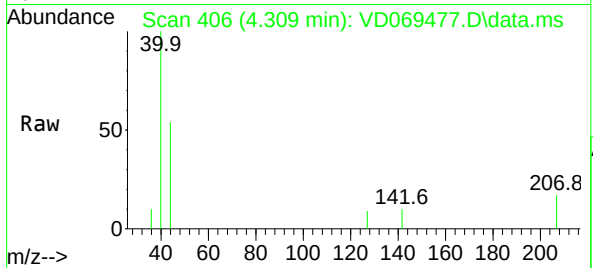




#10
Methyl Iodide
Concen: 3.353 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

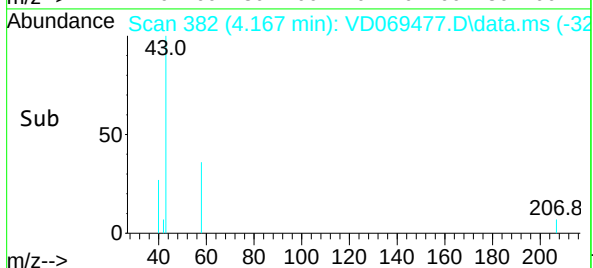
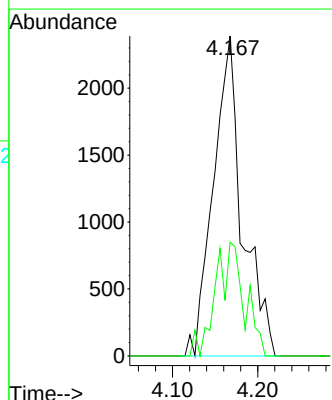
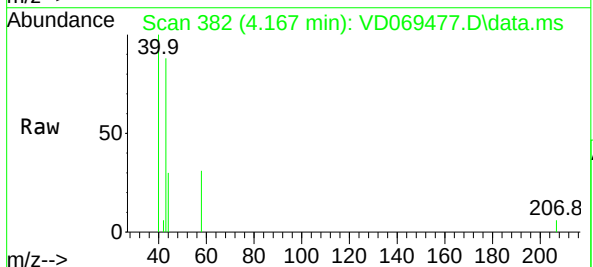
Instrument :
MSVOA_D
ClientSampleId :
124035

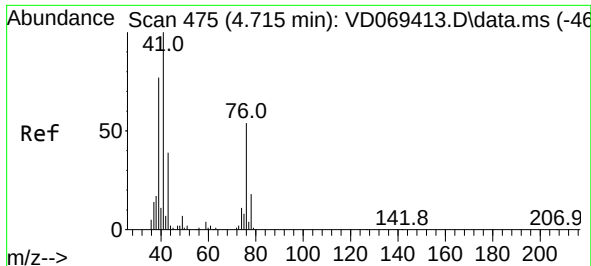
Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 83.3 36.2 54.2#
141 0.0 12.2 18.2#



#16
Acetone
Concen: 10.532 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

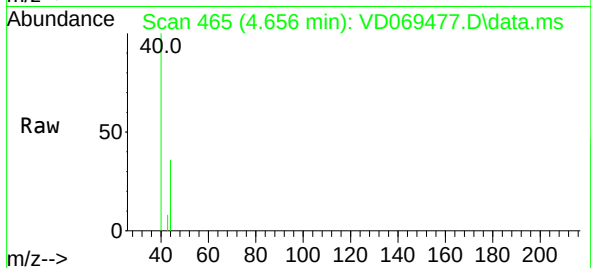
Tgt Ion: 43 Resp: 5649
Ion Ratio Lower Upper
43 100
58 35.6 27.5 41.3



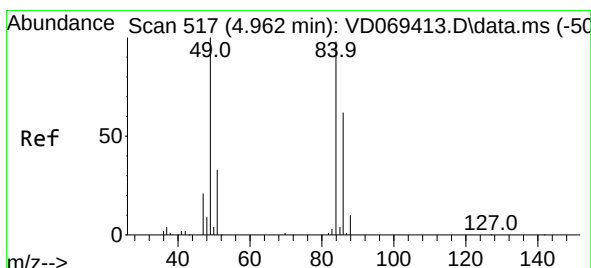
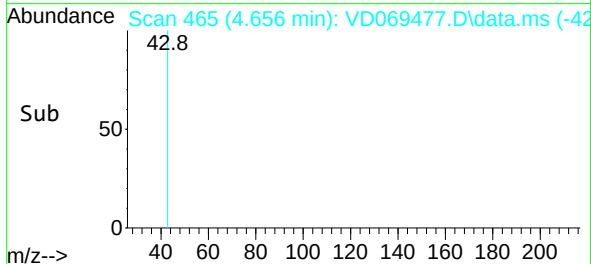
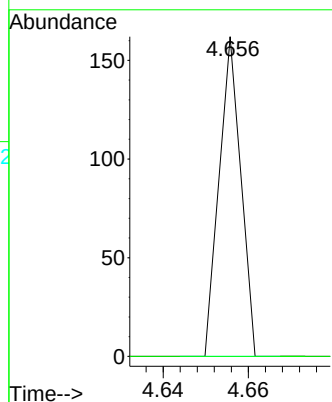


#18
Methyl Acetate
Concen: Below Cal
RT: 4.656 min Scan# 465
Delta R.T. -0.059 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :
124035

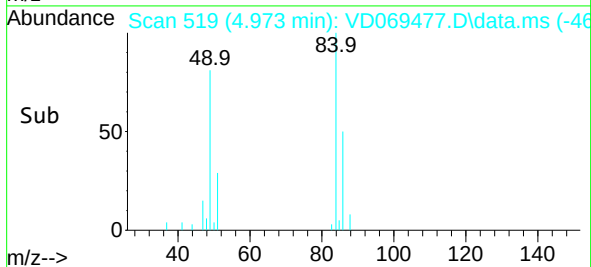
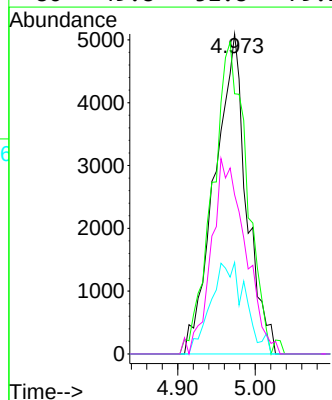
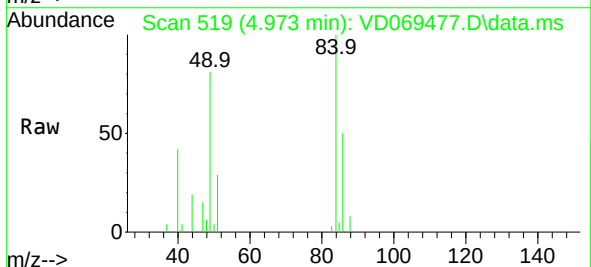


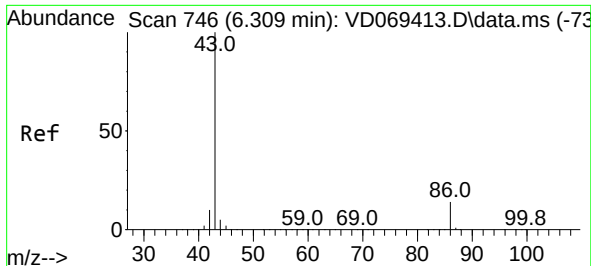
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 84 Resp: 14505
Ion Ratio Lower Upper
84 100
49 81.3 83.7 125.5#
51 28.6 26.4 39.6
86 49.8 52.8 79.2#

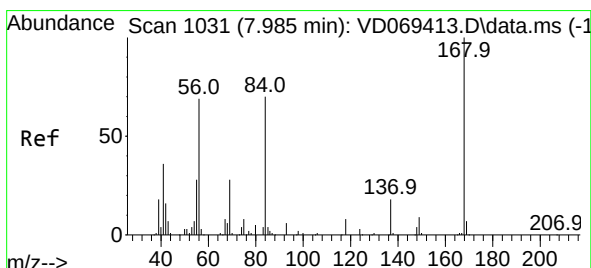
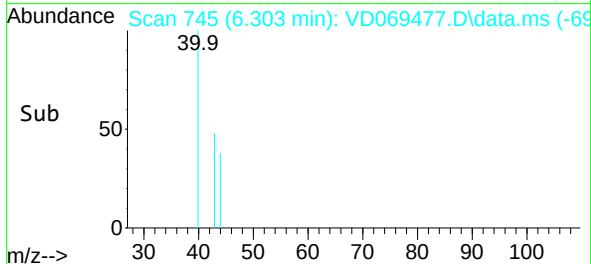
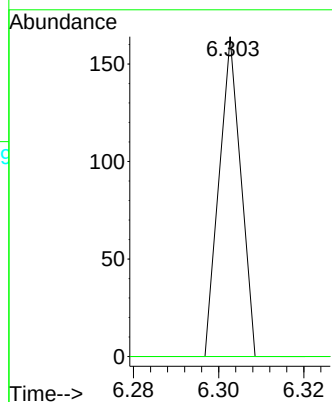
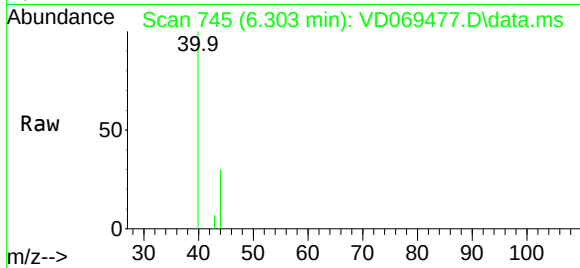




#23
 Vinyl Acetate
 Concen: 17.589 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069477.D
 Acq: 17 Jun 2021 13:56

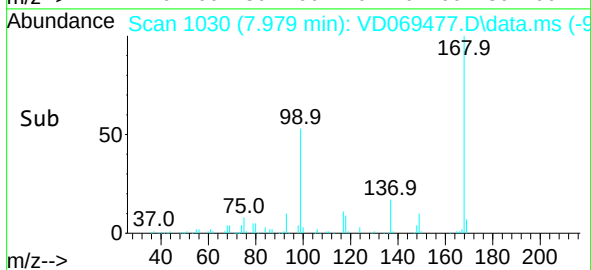
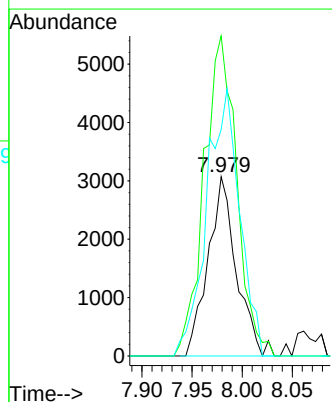
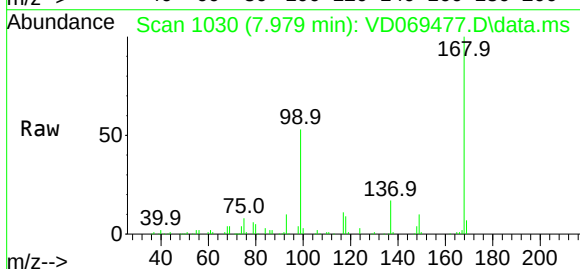
Instrument :
 MSVOA_D
 ClientSampleId :
 124035

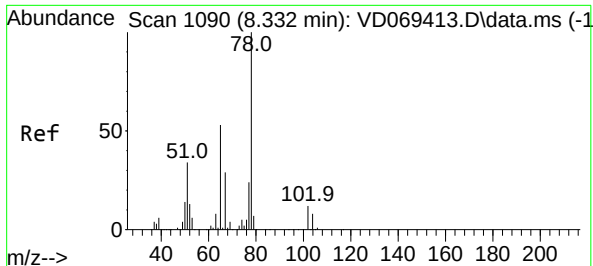
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#31
 Cyclohexane
 Concen: 1.374 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069477.D
 Acq: 17 Jun 2021 13:56

Tgt Ion: 56 Resp: 6052
 Ion Ratio Lower Upper
 56 100
 69 178.5 29.0 43.4#
 84 126.3 81.1 121.7#



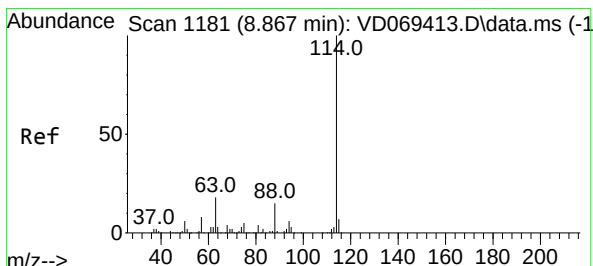
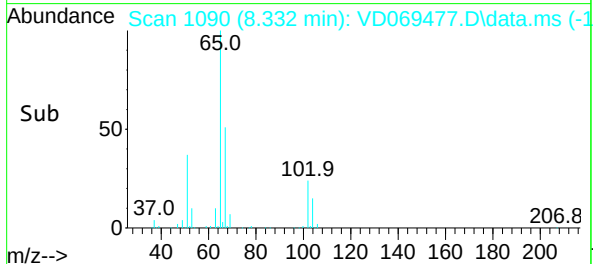
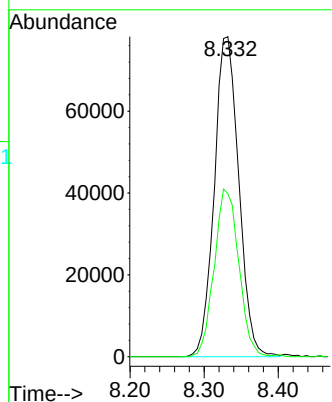
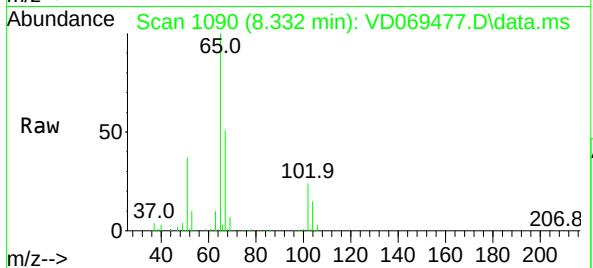


#33

1,2-Dichloroethane-d4
Concen: 55.394 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :
124035

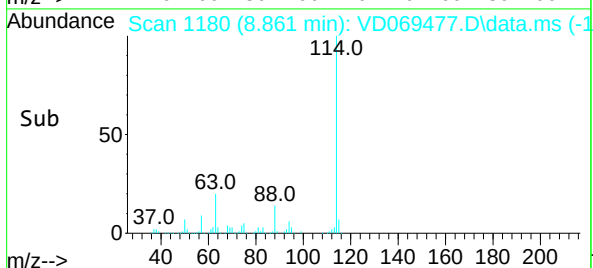
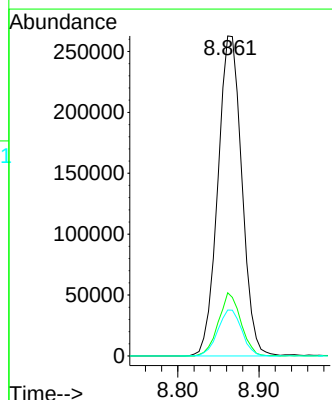
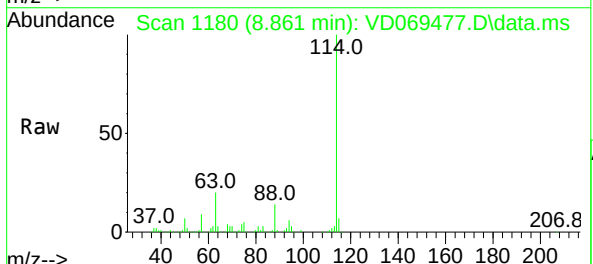
Tgt Ion: 65 Resp: 179500
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

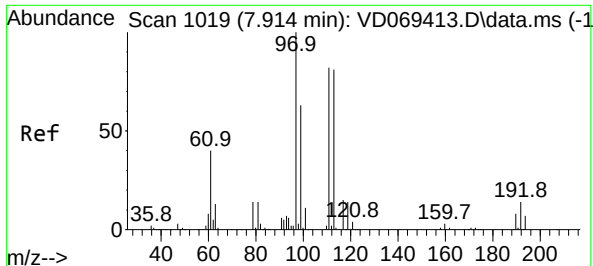


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 114 Resp: 539387
Ion Ratio Lower Upper
114 100
63 19.7 0.0 35.6
88 14.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.139 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069477.D

Acq: 17 Jun 2021 13:56

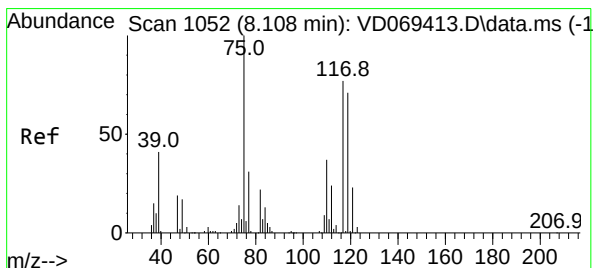
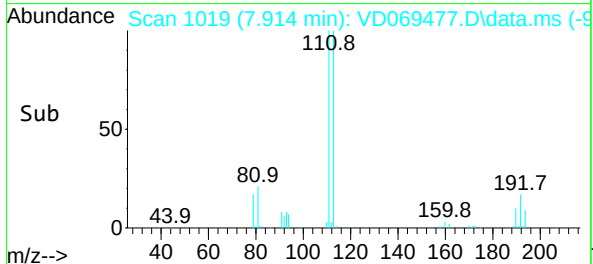
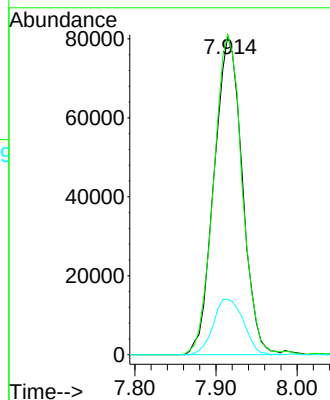
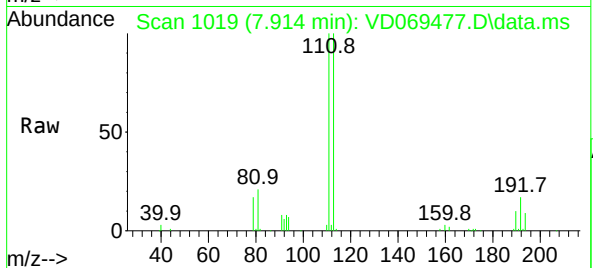
Tgt Ion:113 Resp: 194483

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.6

192 18.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.150 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069477.D

Acq: 17 Jun 2021 13:56

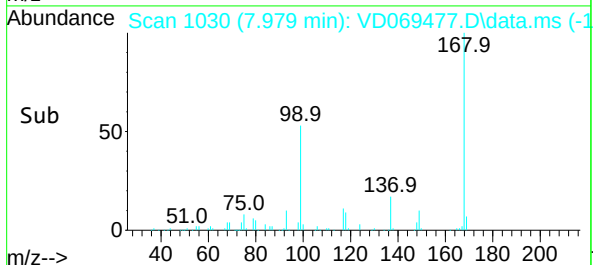
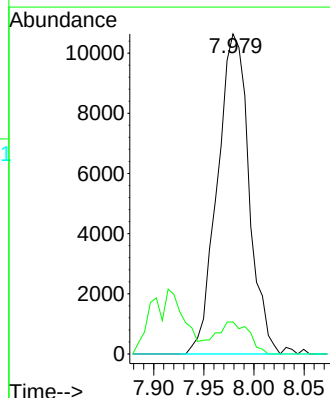
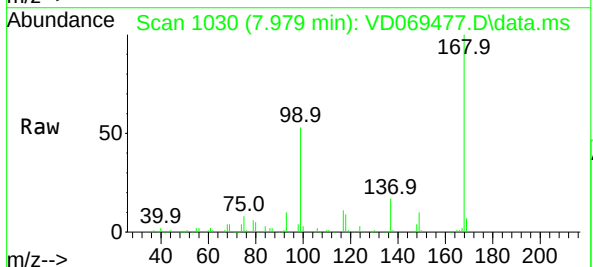
Tgt Ion: 75 Resp: 23309

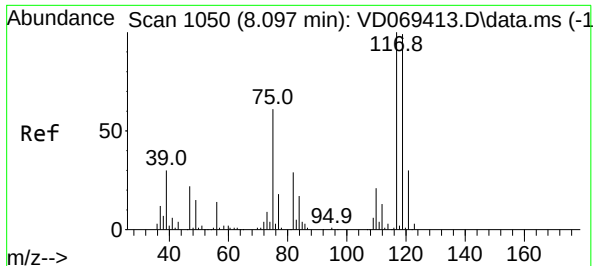
Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.2#

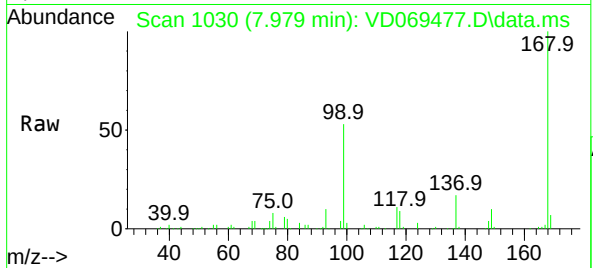
77 0.0 24.9 37.3#



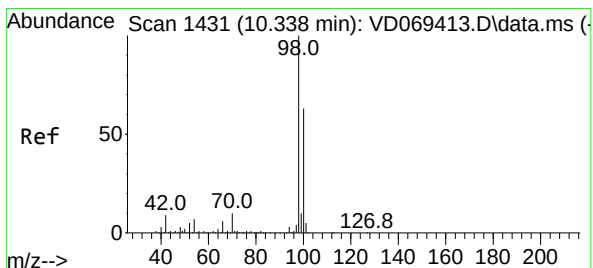
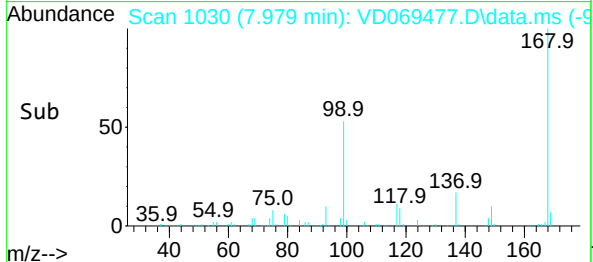
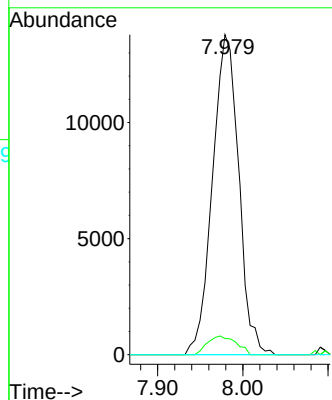


#38
Carbon Tetrachloride
Concen: 4.841 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :
124035

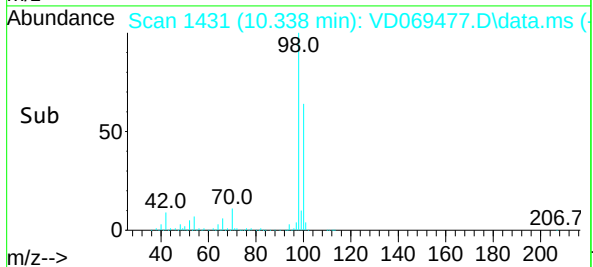
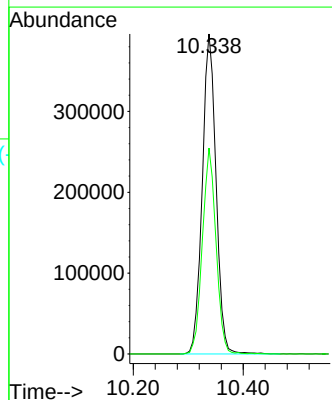
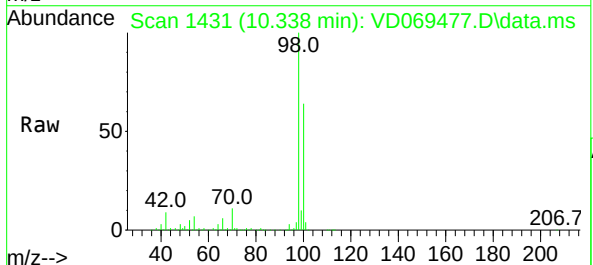


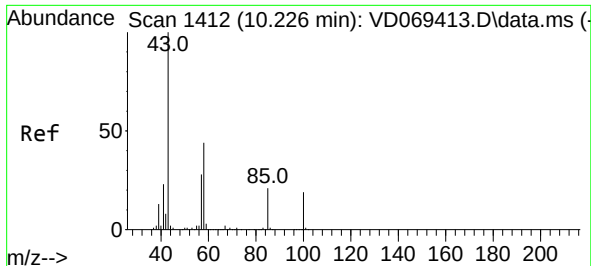
Tgt Ion:117 Resp: 29456
Ion Ratio Lower Upper
117 100
119 5.1 79.4 119.2#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 46.641 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 98 Resp: 689179
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1

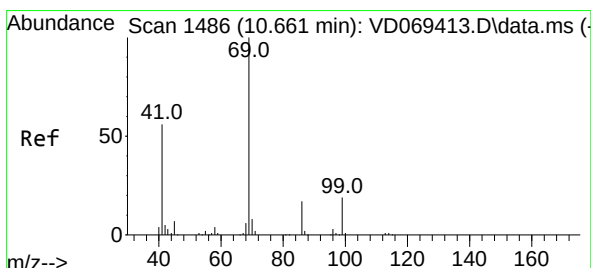
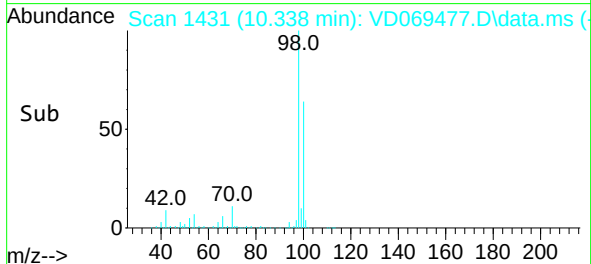
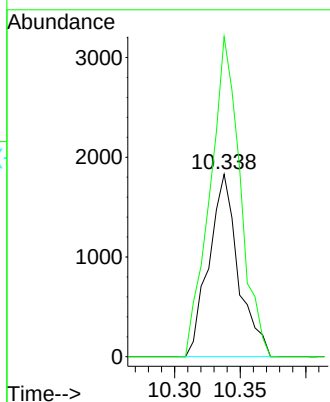
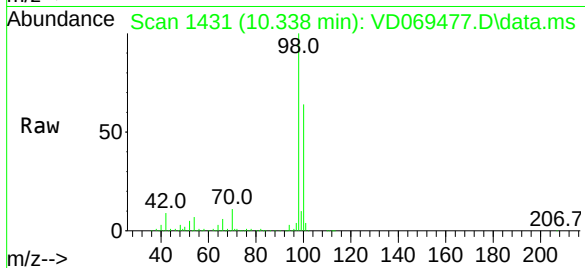




#51
4-Methyl-2-Pentanone
Concen: 1.574 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

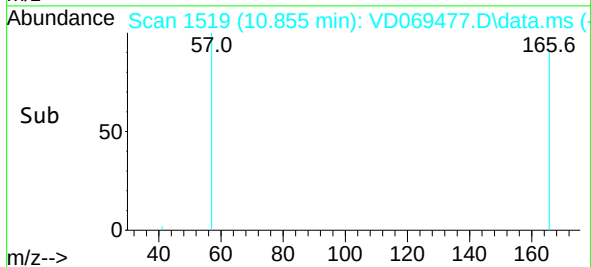
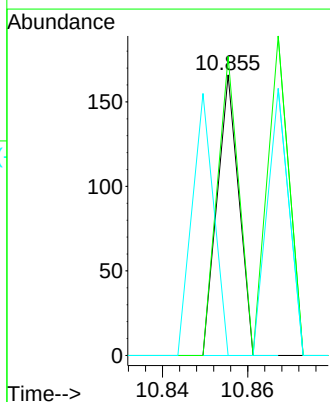
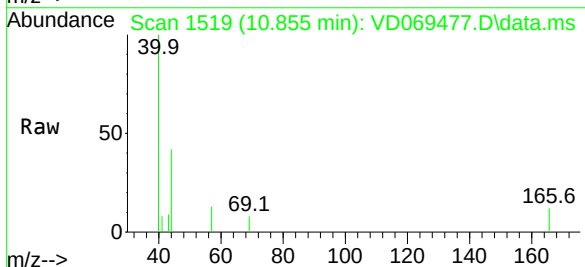
Instrument :
MSVOA_D
ClientSampleId :
124035

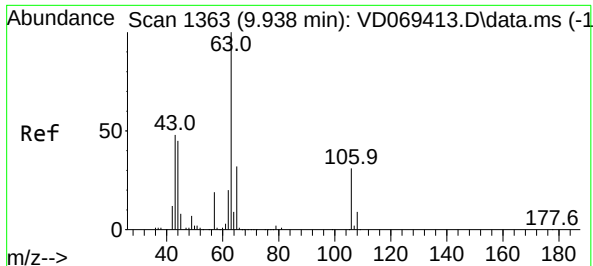
Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
58 180.1 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.839 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. 0.194 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 93.2 21.7 32.5#

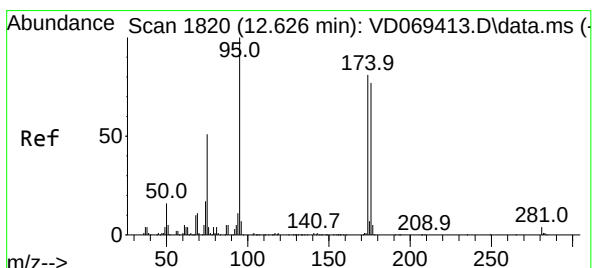
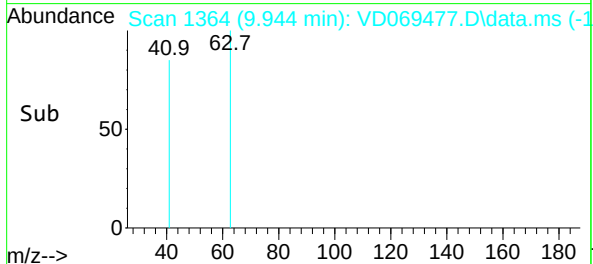
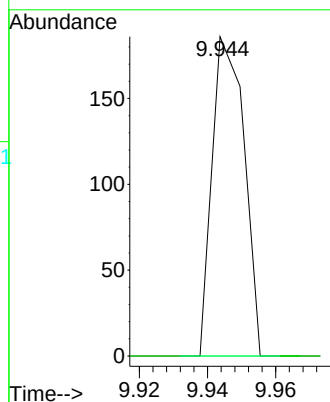
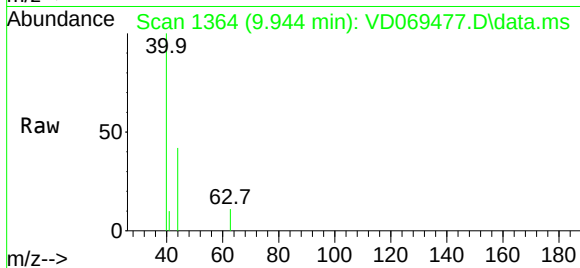




#58
2-Chloroethyl Vinyl ether
Concen: 12.004 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

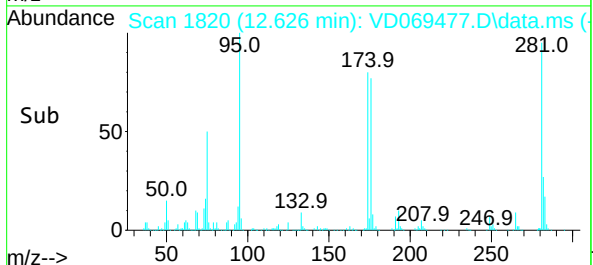
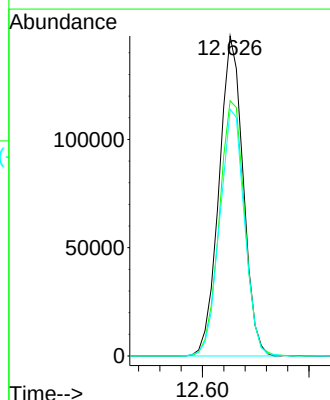
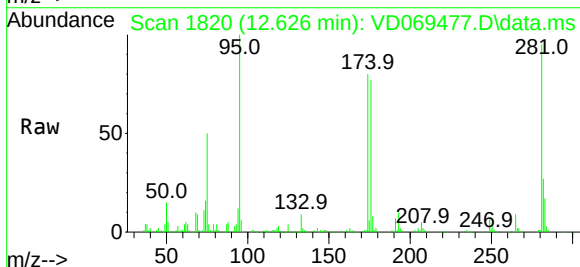
Instrument :
MSVOA_D
ClientSampleId :
124035

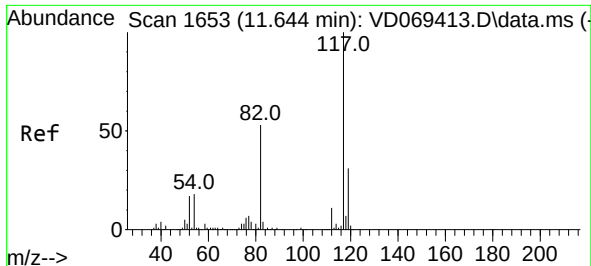
Tgt Ion: 63 Resp: 121
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#62
4-Bromofluorobenzene
Concen: 48.872 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion: 95 Resp: 231710
Ion Ratio Lower Upper
95 100
174 83.6 0.0 162.8
176 79.4 0.0 154.4

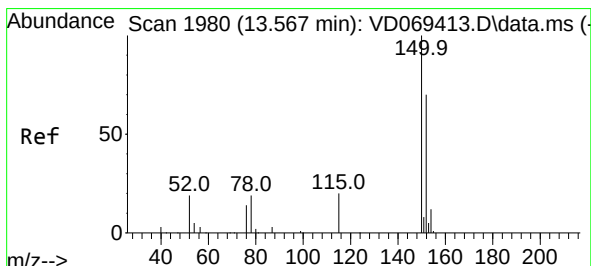
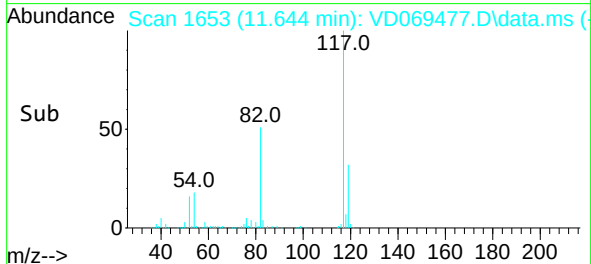
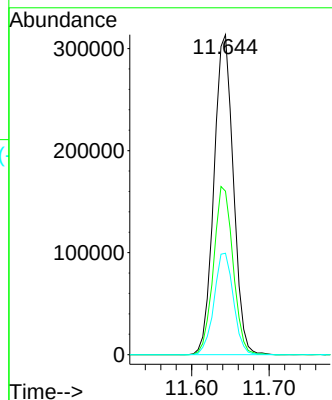
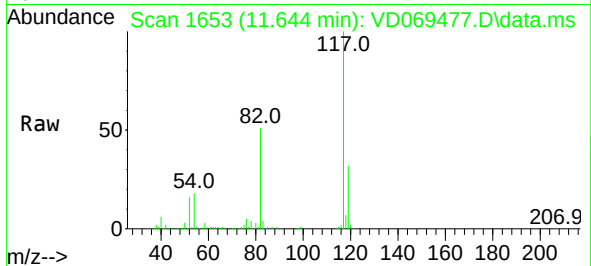




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

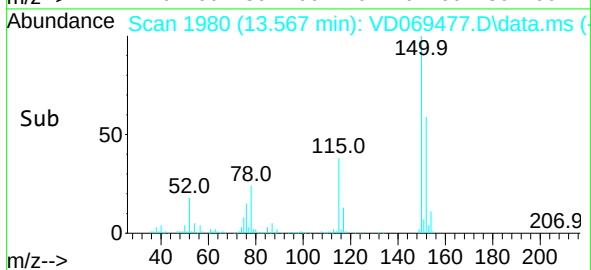
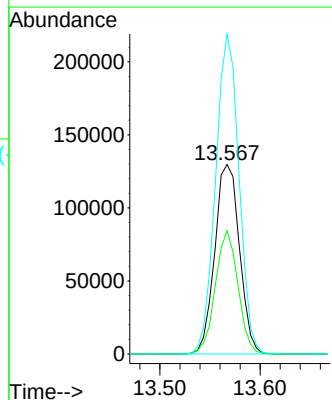
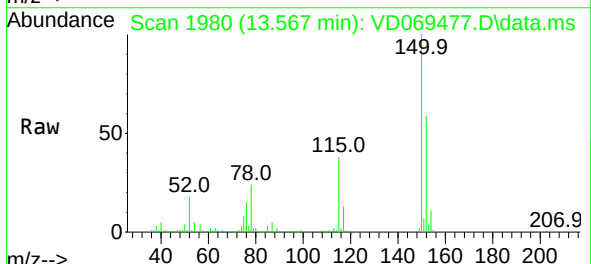
Instrument :
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ClientSampleId :
124035

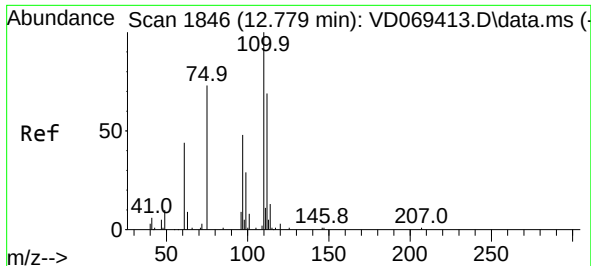
Tgt Ion:	117	Resp:	545458
Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.3	64.9
119	31.7	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Tgt Ion:	152	Resp:	221459
Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.3
150	160.1	0.0	355.0

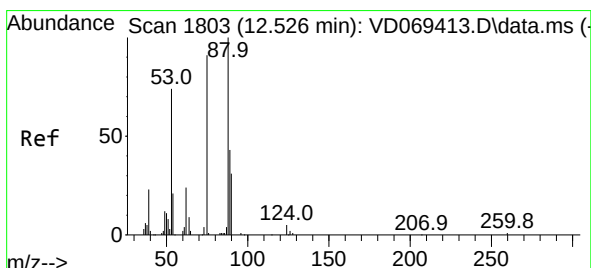
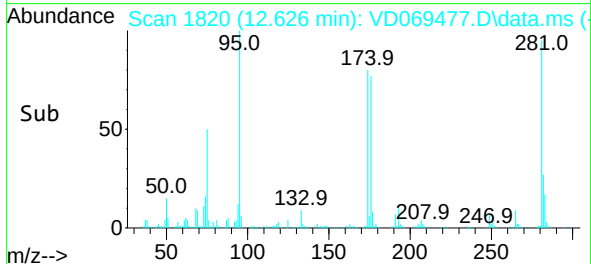
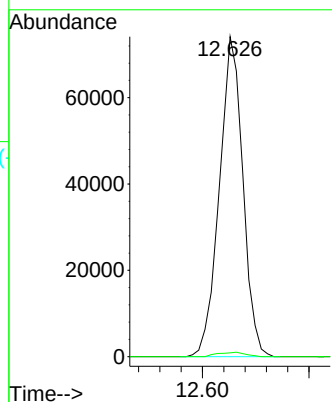
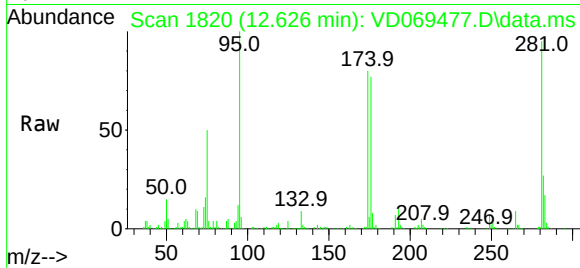




#76
1,2,3-Trichloropropane
Concen: 50.510 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

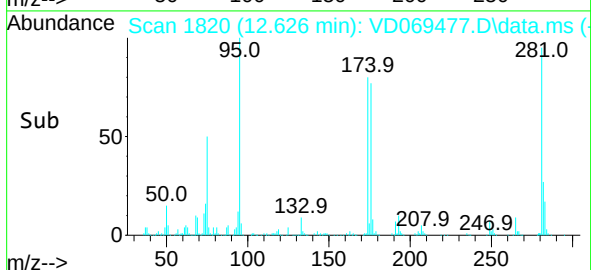
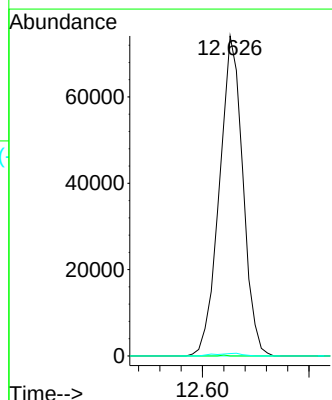
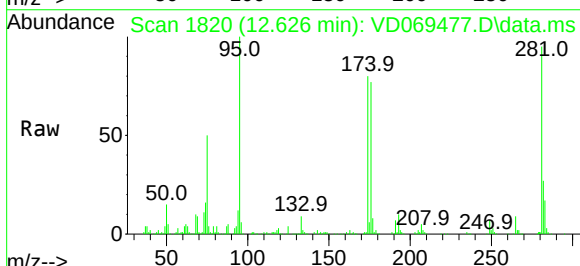
Instrument :
MSVOA_D
ClientSampleId :
124035

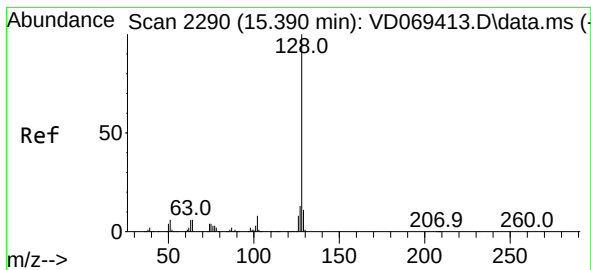
Tgt Ion: 75 Resp: 113406
Ion Ratio Lower Upper
75 100
77 1.6 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.747 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

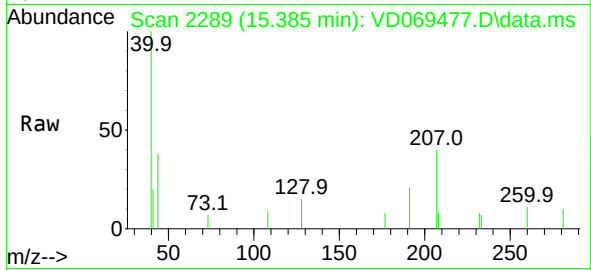
Tgt Ion: 75 Resp: 113406
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 1.0 35.6 53.4#





#95
Naphthalene
Concen: 3.613 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069477.D
Acq: 17 Jun 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :
124035



Tgt Ion:128 Resp: 347
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

