

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069305.D
 Acq On : 02 Jun 2021 16:58
 Operator : VA/SY
 Sample : M2580-06
 Misc : 15.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

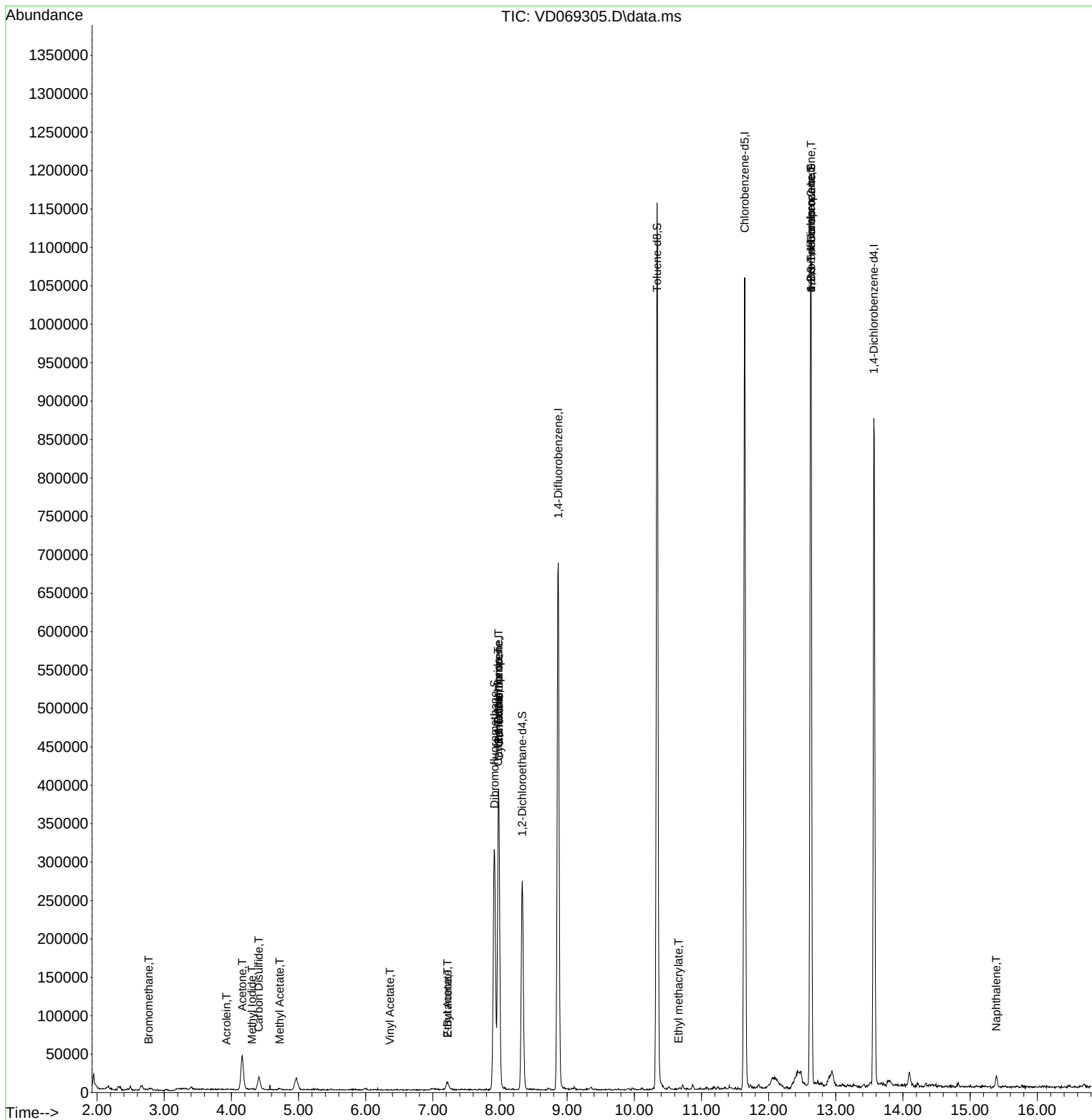
Quant Time: Jun 03 01:10:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

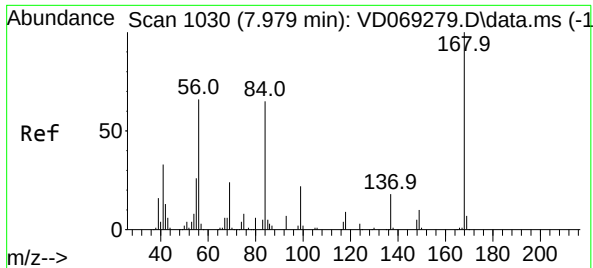
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	297613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	616124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	623149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	249551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	217314	76.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.20%			
35) Dibromofluoromethane	7.920	113	231385	59.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.60%			
50) Toluene-d8	10.337	98	806177	57.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.60%			
62) 4-Bromofluorobenzene	12.631	95	268565	58.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.50%			
Target Compounds					Qvalue	
5) Bromomethane	2.767	94	1913	1.09	ug/l #	56
10) Methyl Iodide	4.308	142	2092	3.10	ug/l #	70
11) Tert butyl alcohol	5.214	59	855	Below Cal	#	73
13) Acrolein	3.926	56	283	18.53	ug/l #	16
16) Acetone	4.161	43	76127	152.76	ug/l	99
17) Carbon Disulfide	4.408	76	34919	3.54	ug/l #	95
18) Methyl Acetate	4.720	43	2330	1.73	ug/l	98
20) Methylene Chloride	4.967	84	13011	Below Cal		97
23) Vinyl Acetate	6.361	43	65	11.63	ug/l #	67
25) 2-Butanone	7.220	43	16570	25.27	ug/l	98
31) Cyclohexane	7.985	56	6703	1.48	ug/l #	9
36) 1,1-Dichloropropene	7.979	75	23280	3.89	ug/l #	49
37) Ethyl Acetate	7.220	43	16570	8.15	ug/l #	67
38) Carbon Tetrachloride	7.973	117	29026	4.49	ug/l #	17
56) Ethyl methacrylate	10.661	69	292	2.71	ug/l #	1
76) 1,2,3-Trichloropropane	12.631	75	131852	60.81	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.631	75	131852	134.76	ug/l #	18
95) Naphthalene	15.390	128	13384	4.77	ug/l #	96

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

Quant Time: Jun 03 01:10:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

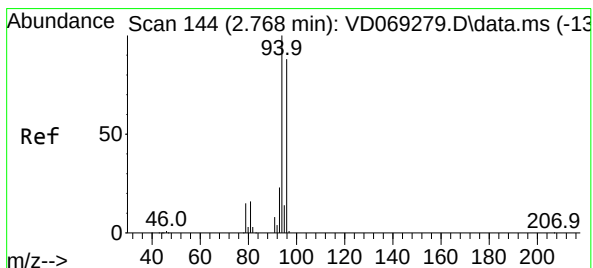
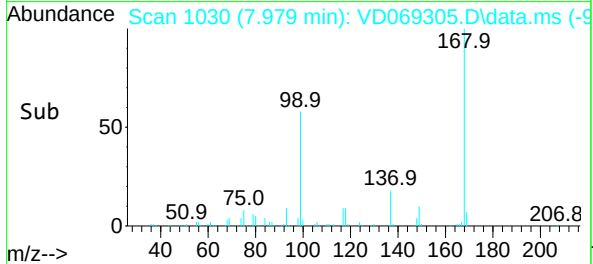
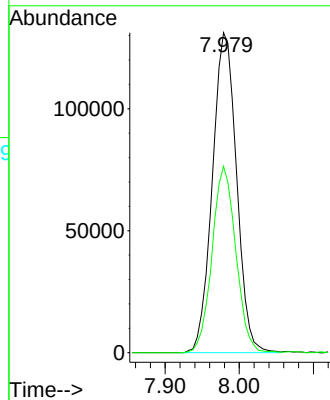
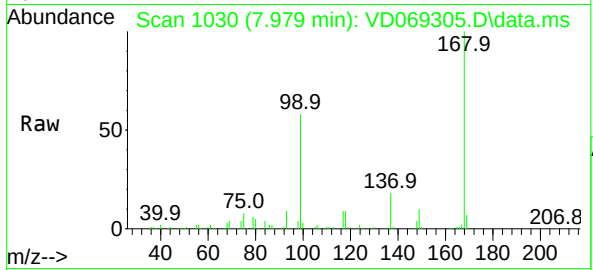




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

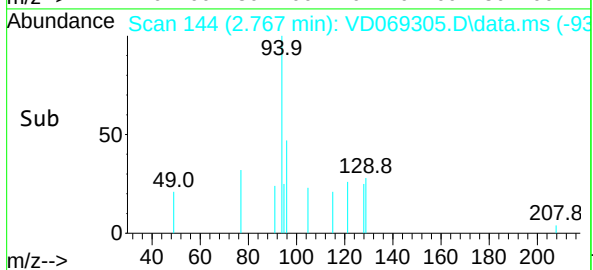
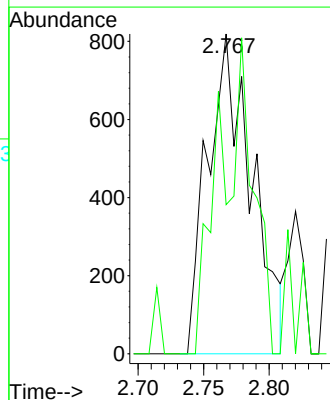
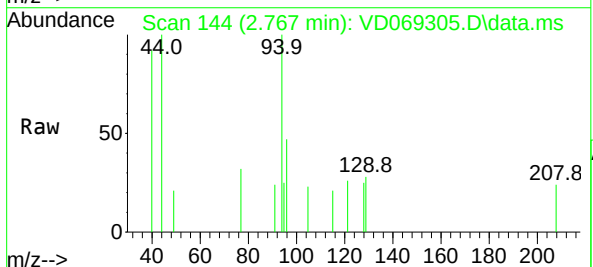
Instrument :
MSVOA_D
ClientSampled :

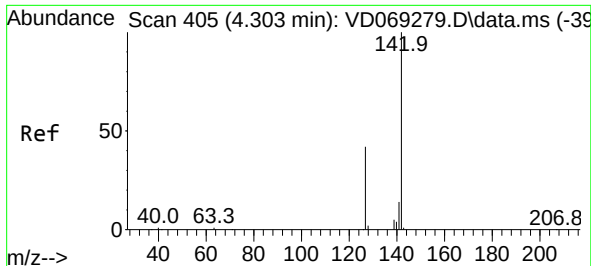
Tgt Ion:168 Resp: 297613
Ion Ratio Lower Upper
168 100
99 58.3 46.2 69.2



#5
Bromomethane
Concen: 1.09 ug/l
RT: 2.767 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

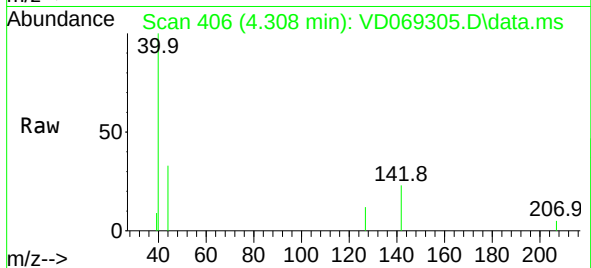
Tgt Ion: 94 Resp: 1913
Ion Ratio Lower Upper
94 100
96 46.6 70.3 105.5#



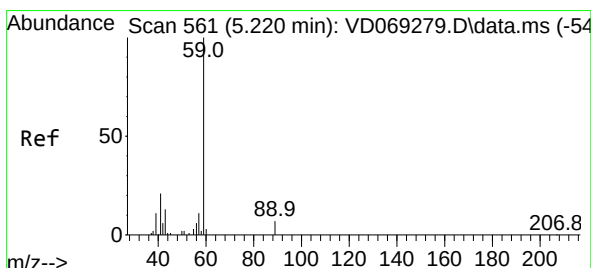
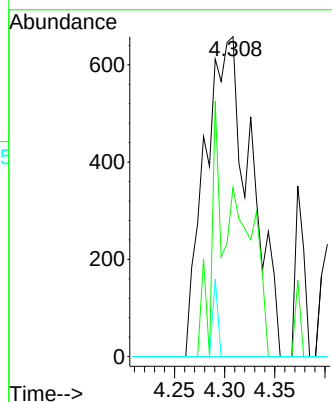
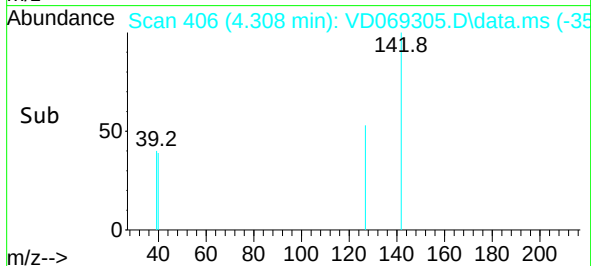


#10
Methyl Iodide
Concen: 3.10 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

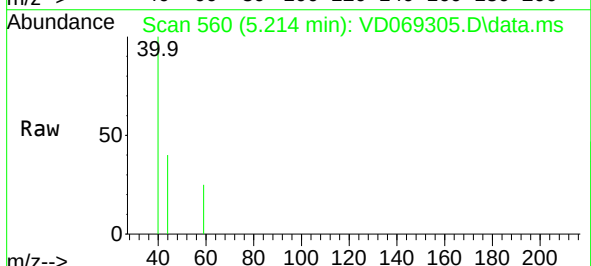
Instrument :
MSVOA_D
ClientSampled :



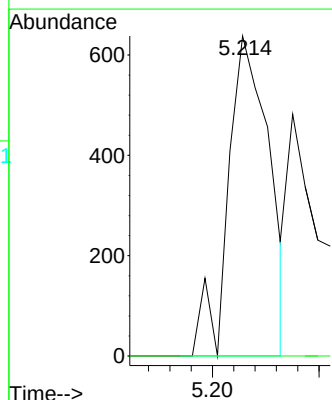
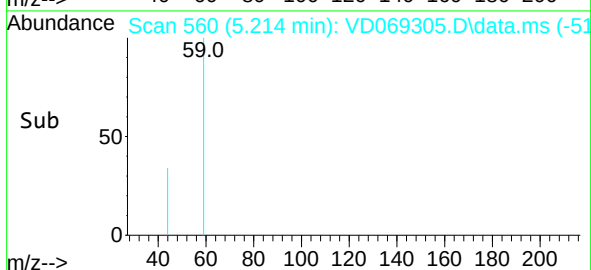
Tgt Ion:142 Resp: 2092
Ion Ratio Lower Upper
142 100
127 27.0 36.2 54.2#
141 0.0 12.2 18.2#

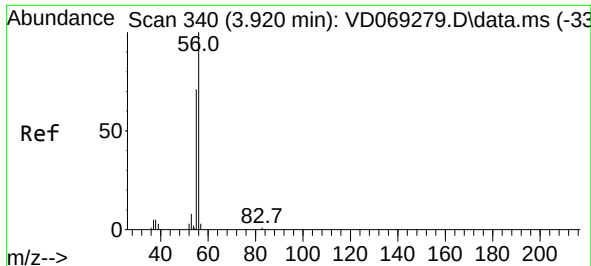


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58



Tgt Ion: 59 Resp: 855
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

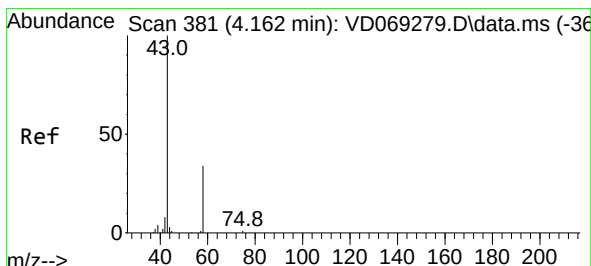
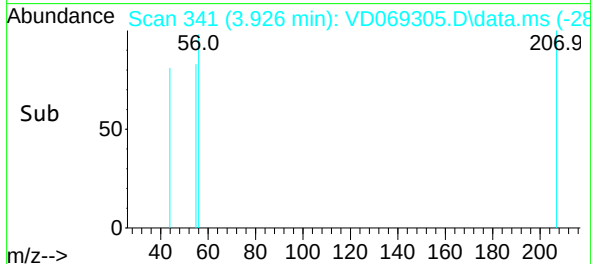
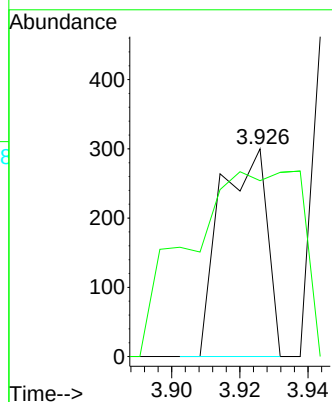
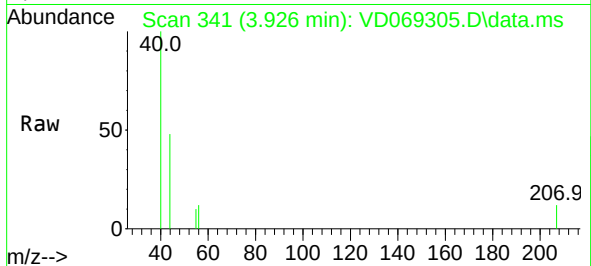




#13
Acrolein
Concen: 18.53 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

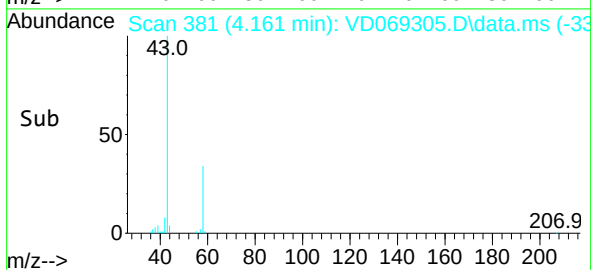
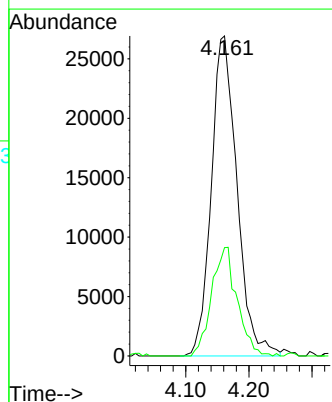
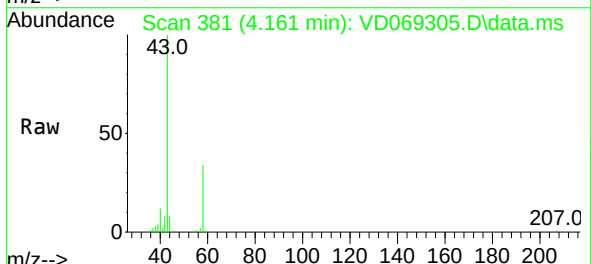
Instrument :
MSVOA_D
ClientSampled :

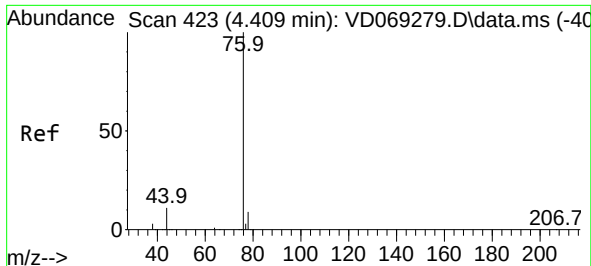
Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#



#16
Acetone
Concen: 152.76 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

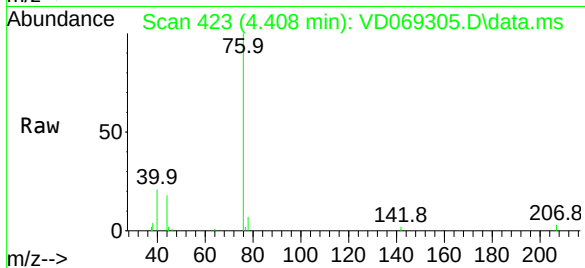
Tgt Ion: 43 Resp: 76127
Ion Ratio Lower Upper
43 100
58 33.9 27.5 41.3



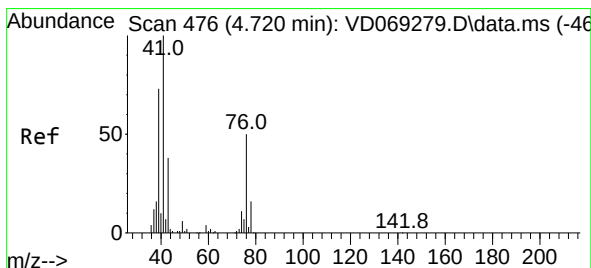
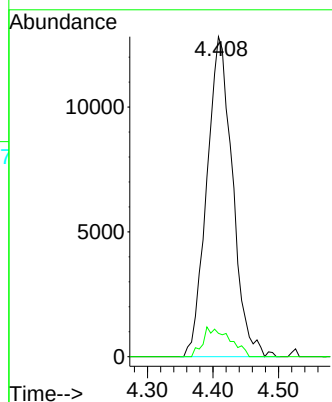
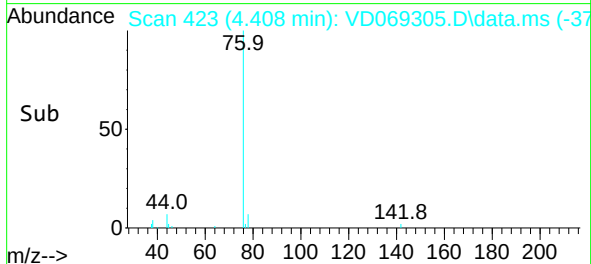


#17
Carbon Disulfide
Concen: 3.54 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

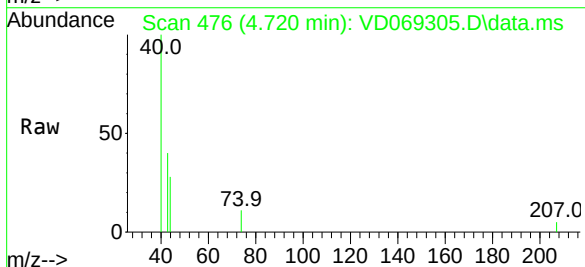
Instrument :
MSVOA_D
ClientSampled :



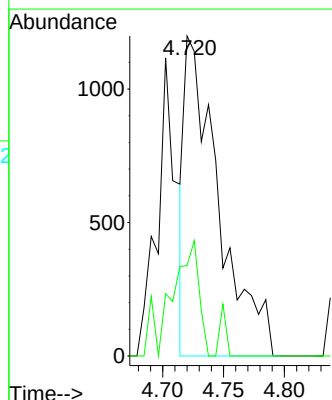
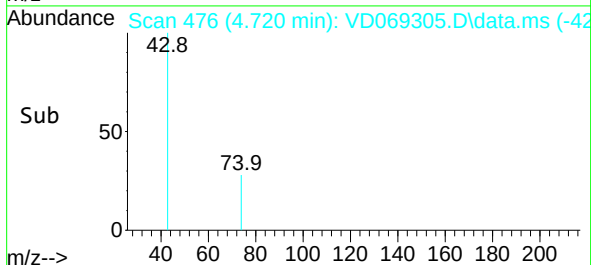
Tgt Ion: 76 Resp: 34919
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#

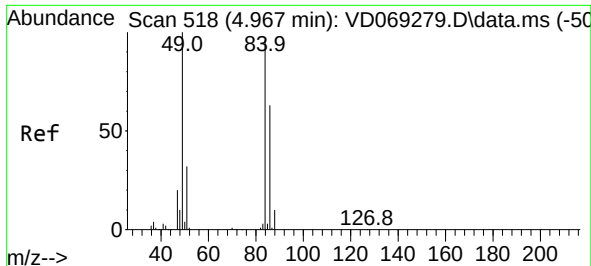


#18
Methyl Acetate
Concen: 1.73 ug/l
RT: 4.720 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58



Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 29.4 22.8 34.2

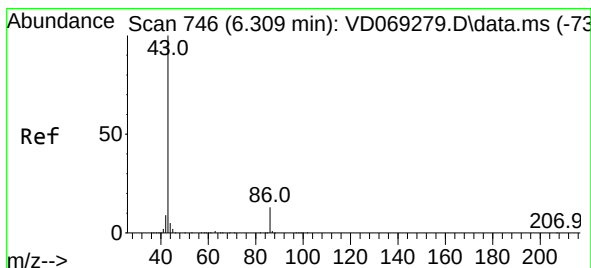
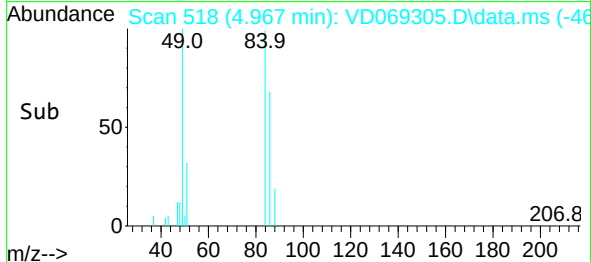
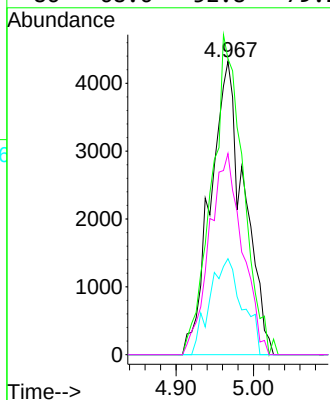
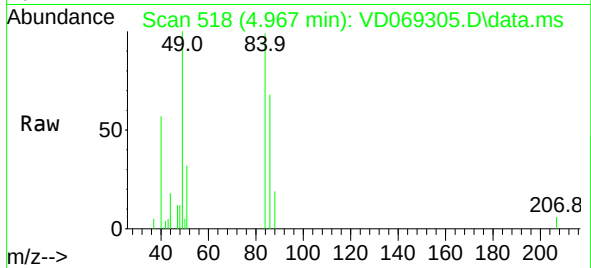




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

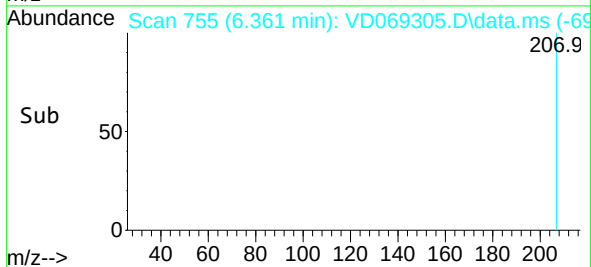
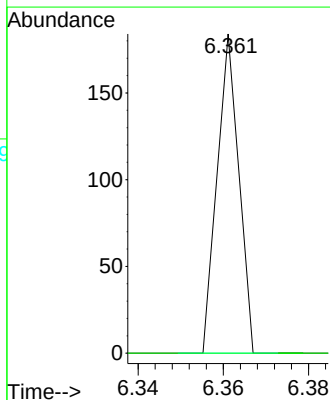
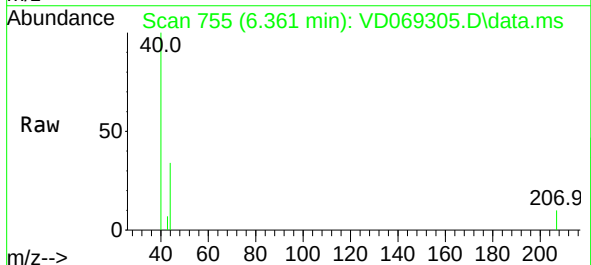
Instrument :
MSVOA_D
ClientSampled :

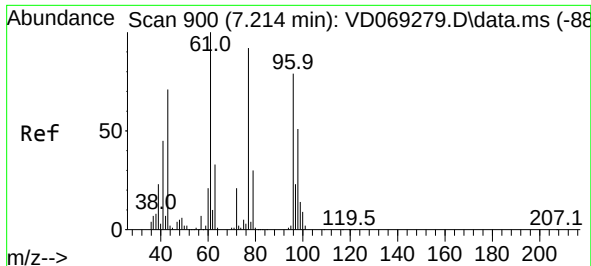
Tgt Ion:	84	Resp:	13011
Ion	Ratio	Lower	Upper
84	100		
49	100.9	83.7	125.5
51	32.7	26.4	39.6
86	68.6	52.8	79.2



#23
Vinyl Acetate
Concen: 11.63 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.052 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

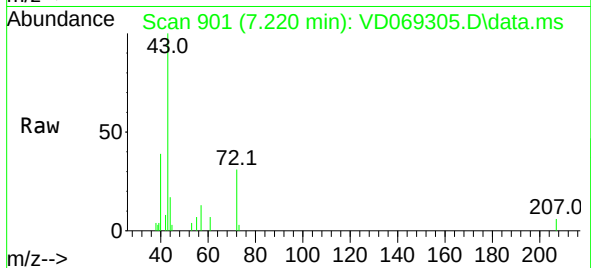
Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



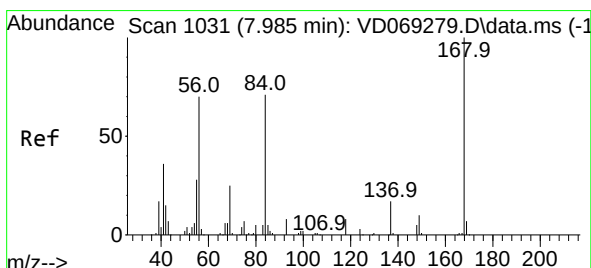
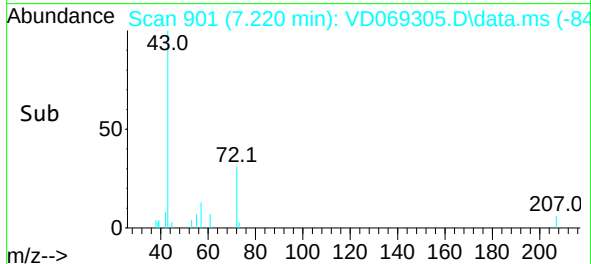
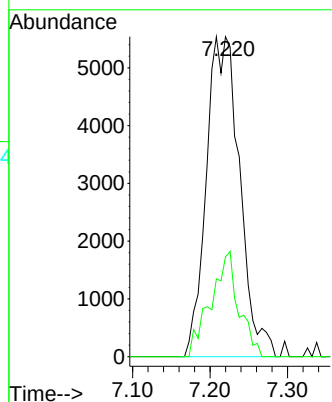


#25
2-Butanone
Concen: 25.27 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

Instrument :
MSVOA_D
ClientSampled :

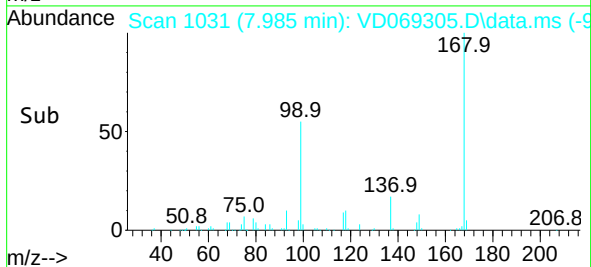
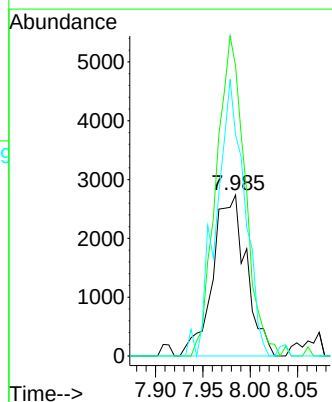
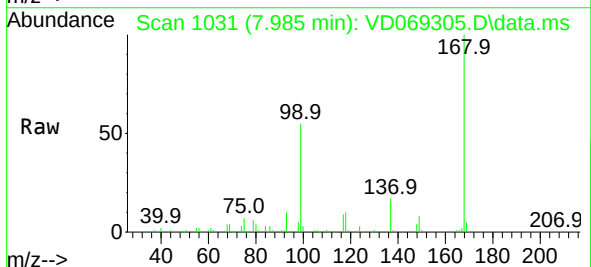


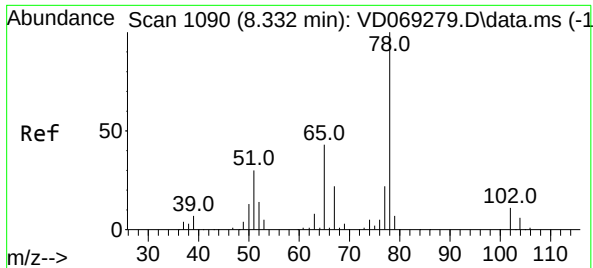
Tgt Ion: 43 Resp: 16570
Ion Ratio Lower Upper
43 100
72 31.2 23.9 35.9



#31
Cyclohexane
Concen: 1.48 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

Tgt Ion: 56 Resp: 6703
Ion Ratio Lower Upper
56 100
69 180.1 29.0 43.4#
84 137.5 81.1 121.7#

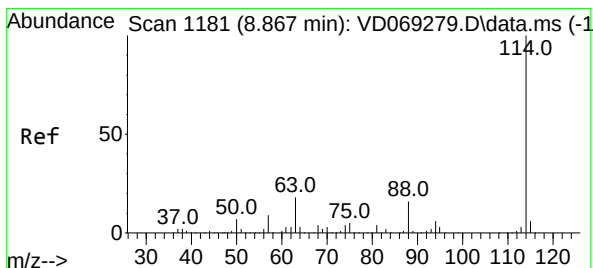
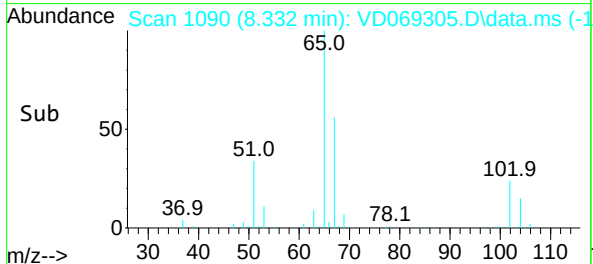
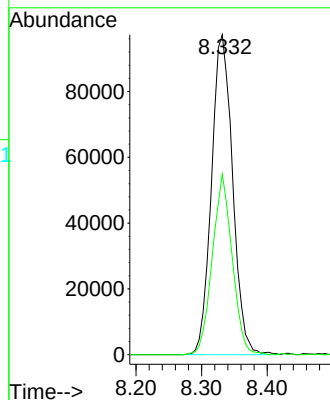
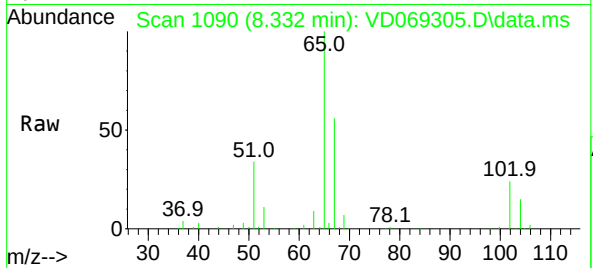




#33
1,2-Dichloroethane-d4
Concen: 76.10 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

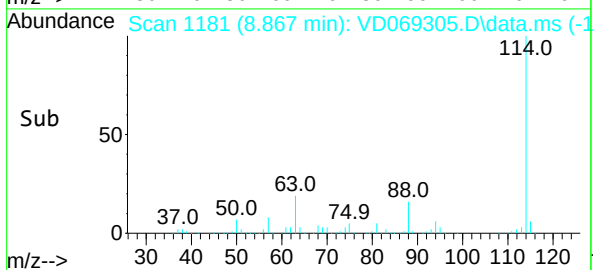
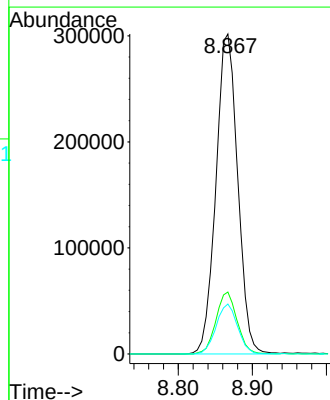
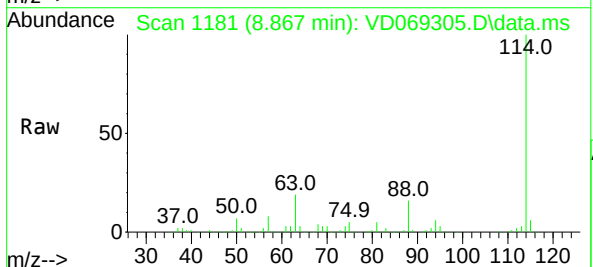
Instrument :
MSVOA_D
ClientSampled :

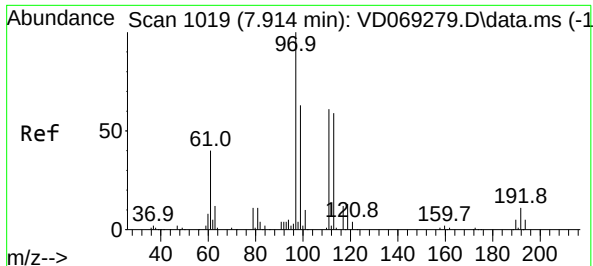
Tgt Ion: 65 Resp: 217314
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

Tgt Ion: 114 Resp: 616124
Ion Ratio Lower Upper
114 100
63 19.4 0.0 35.6
88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 59.80 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069305.D

Acq: 02 Jun 2021 16:58

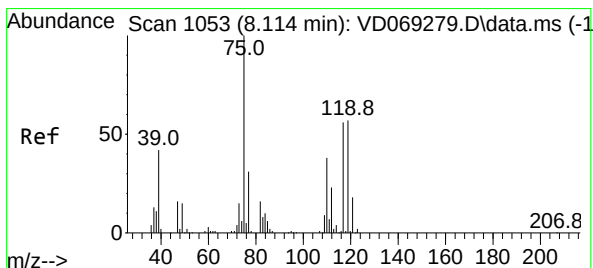
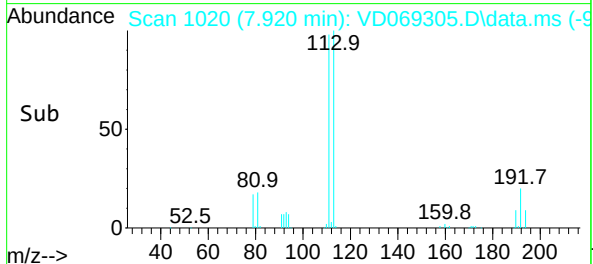
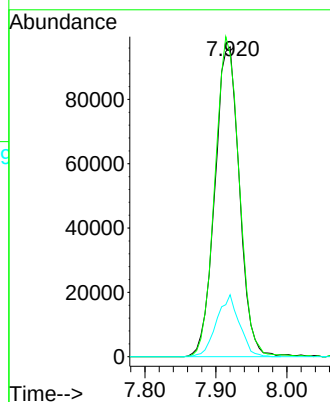
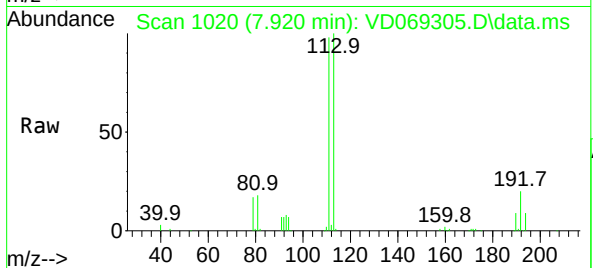
Tgt Ion:113 Resp: 231385

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

192 18.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.89 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.136 min

Lab File: VD069305.D

Acq: 02 Jun 2021 16:58

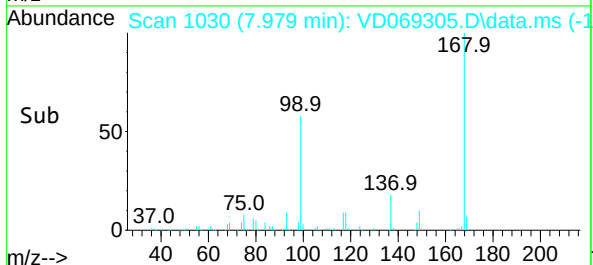
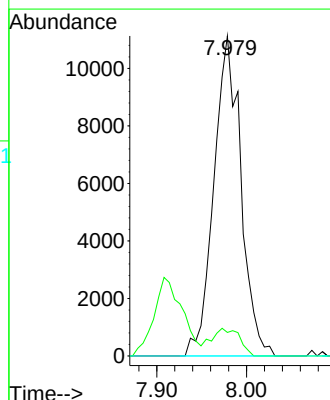
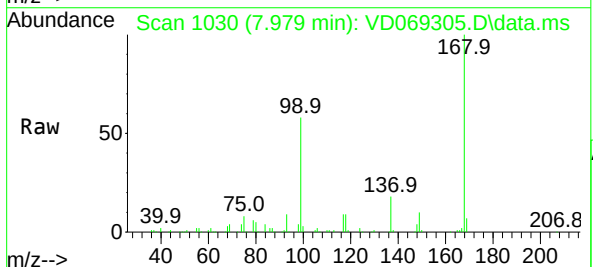
Tgt Ion: 75 Resp: 23280

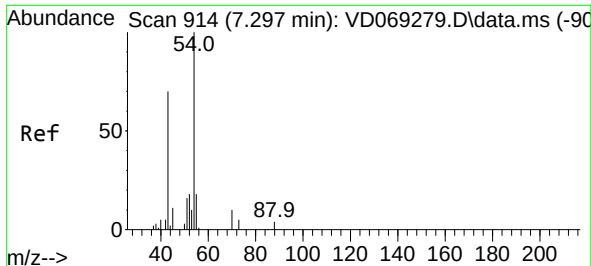
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 8.15 ug/l

RT: 7.220 min Scan# 901

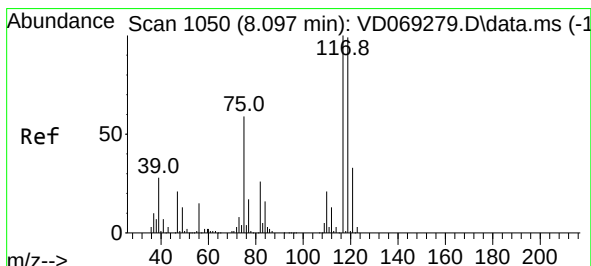
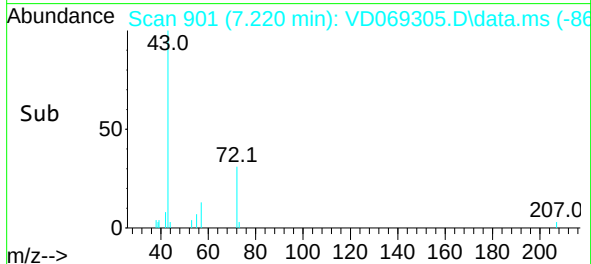
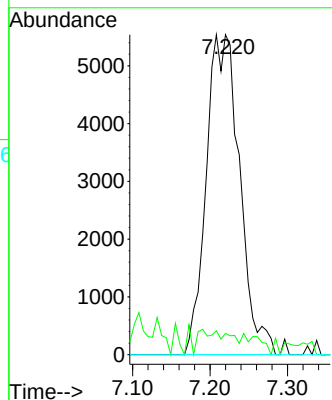
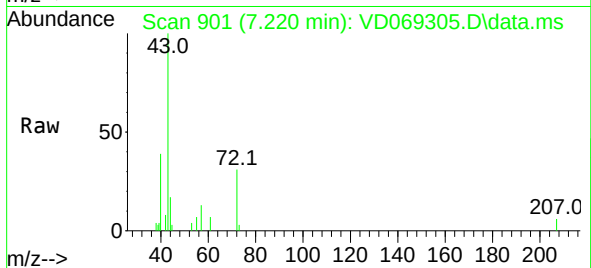
Delta R.T. -0.077 min

Lab File: VD069305.D

Acq: 02 Jun 2021 16:58

Tgt Ion:	43	Resp:	16570
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	9.7	14.5#

Instrument :
MSVOA_D
ClientSampled :



#38

Carbon Tetrachloride

Concen: 4.49 ug/l

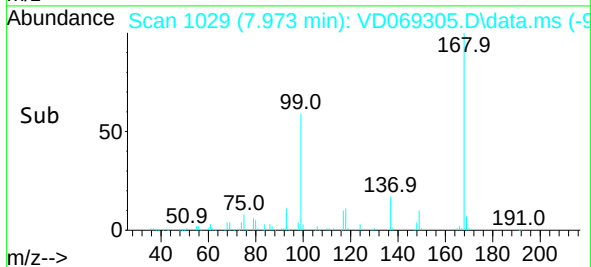
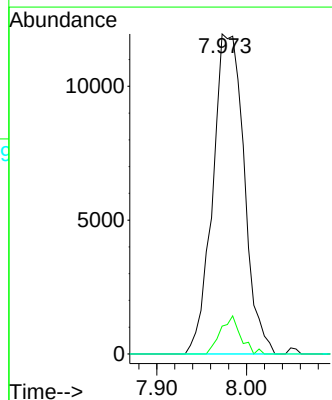
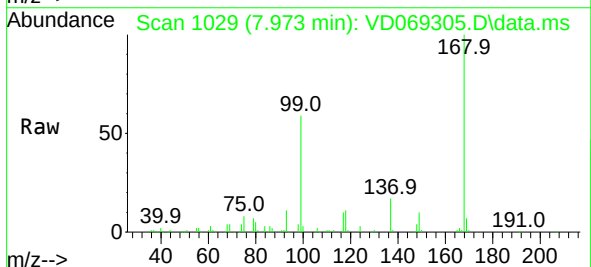
RT: 7.973 min Scan# 1029

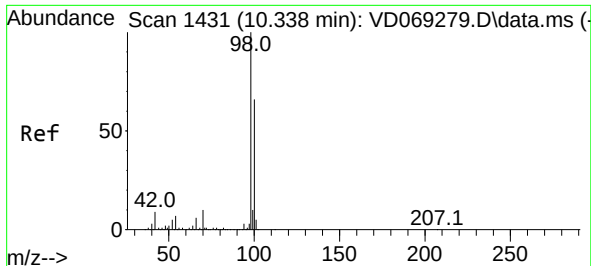
Delta R.T. -0.124 min

Lab File: VD069305.D

Acq: 02 Jun 2021 16:58

Tgt Ion:	117	Resp:	29026
Ion	Ratio	Lower	Upper
117	100		
119	8.7	79.4	119.2#
121	0.0	26.1	39.1#

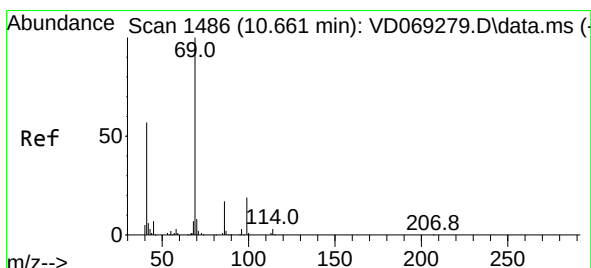
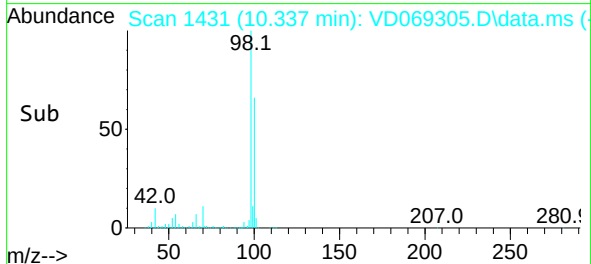
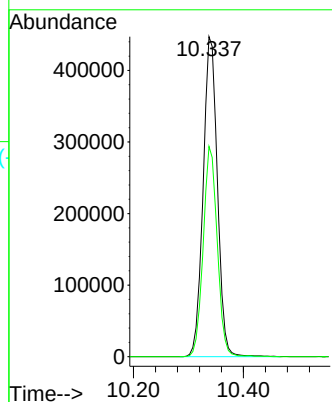
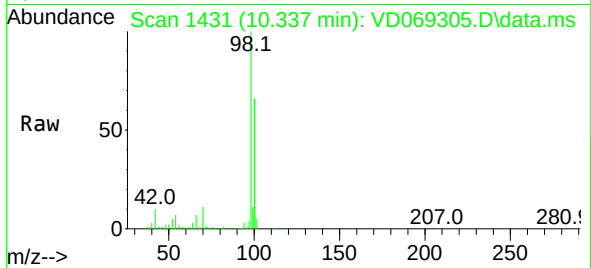




#50
Toluene-d8
Concen: 57.30 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

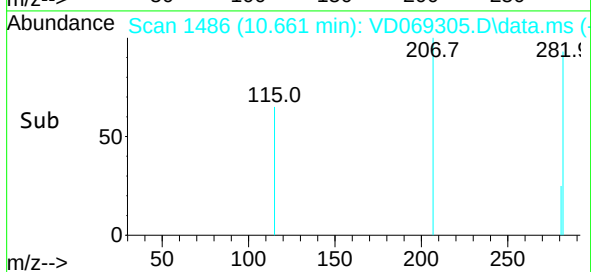
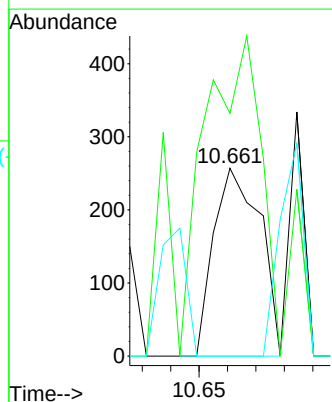
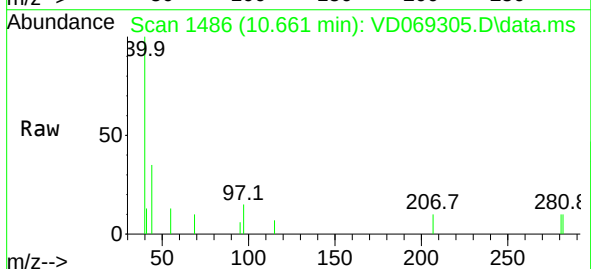
Instrument :
MSVOA_D
ClientSampled :

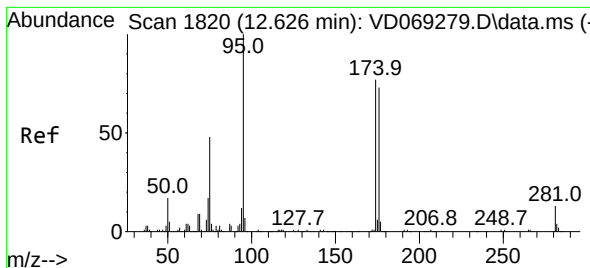
Tgt Ion: 98 Resp: 806177
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.71 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

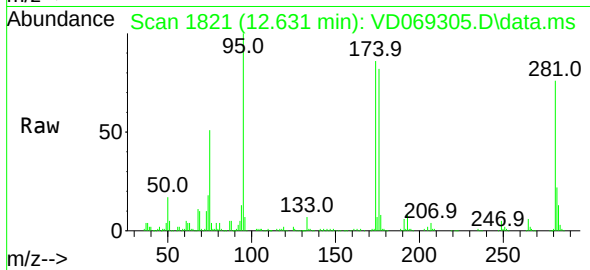
Tgt Ion: 69 Resp: 292
Ion Ratio Lower Upper
69 100
41 269.5 45.4 68.2#
39 0.0 21.7 32.5#



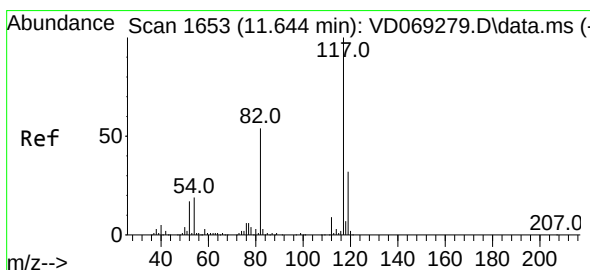
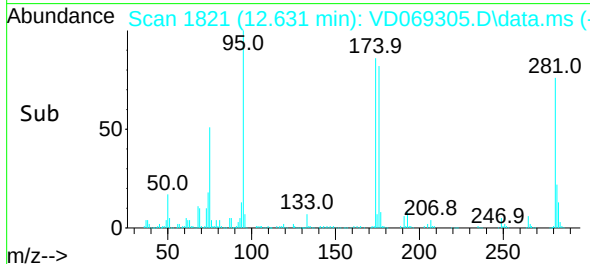
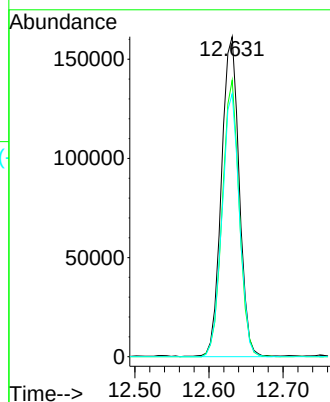


#62
4-Bromofluorobenzene
Concen: 58.25 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

Instrument :
MSVOA_D
ClientSampled :

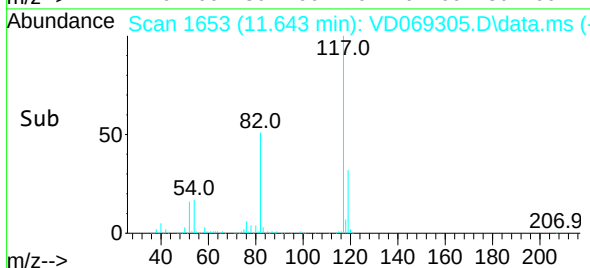
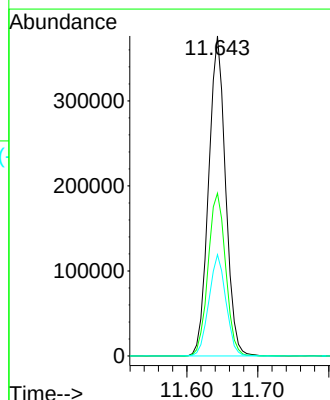
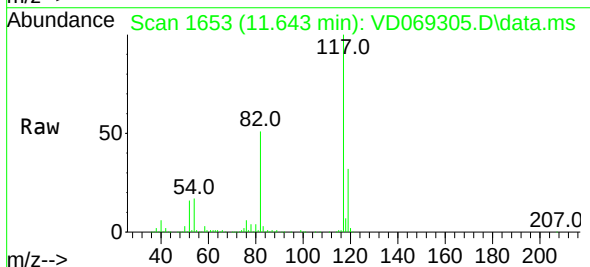


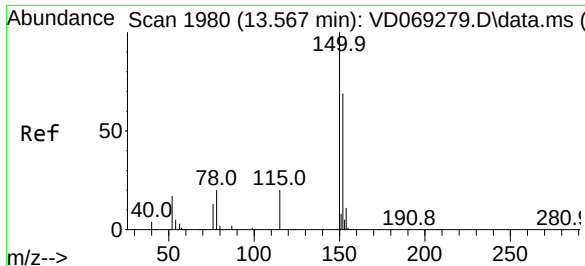
Tgt Ion: 95 Resp: 268565
Ion Ratio Lower Upper
95 100
174 82.3 0.0 162.8
176 80.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

Tgt Ion: 117 Resp: 623149
Ion Ratio Lower Upper
117 100
82 50.9 43.3 64.9
119 31.7 25.3 37.9

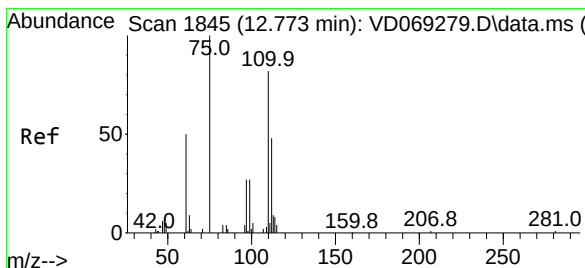
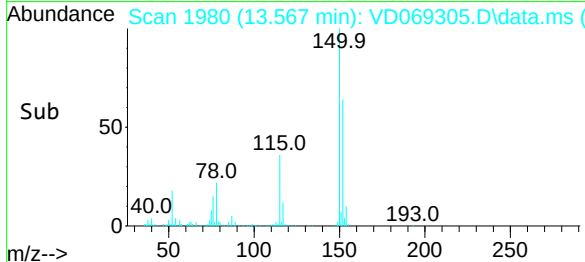
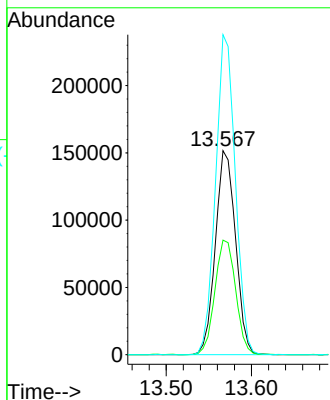
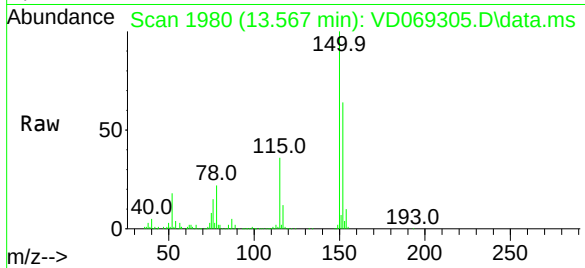




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

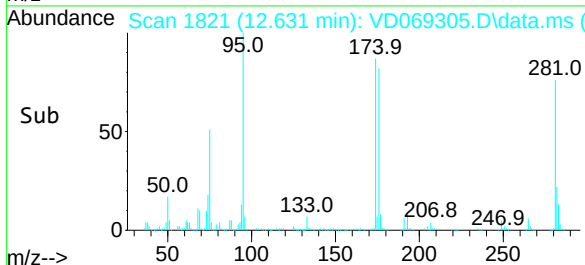
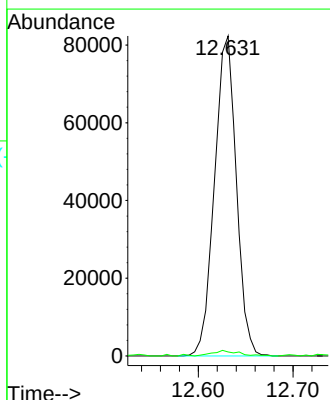
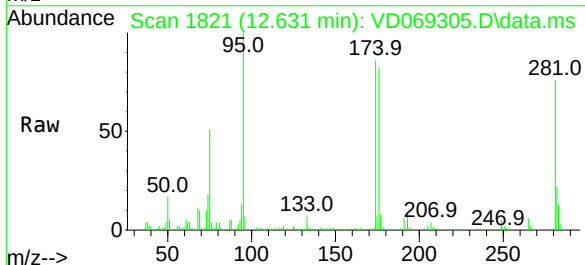
Instrument :
MSVOA_D
ClientSampled :

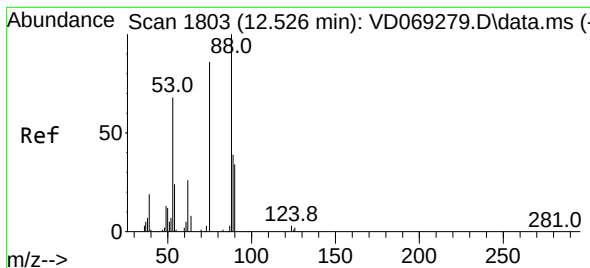
Tgt Ion:152 Resp: 249551
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.3
150 153.6 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 60.81 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.142 min
Lab File: VD069305.D
Acq: 02 Jun 2021 16:58

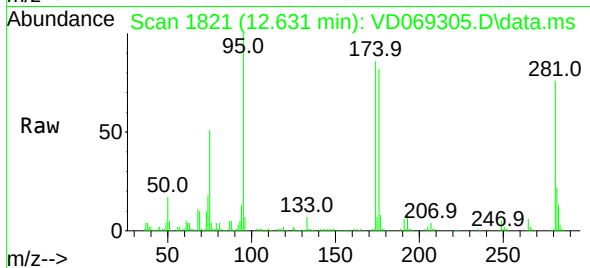
Tgt Ion: 75 Resp: 131852
Ion Ratio Lower Upper
75 100
77 2.0 183.8 551.2#



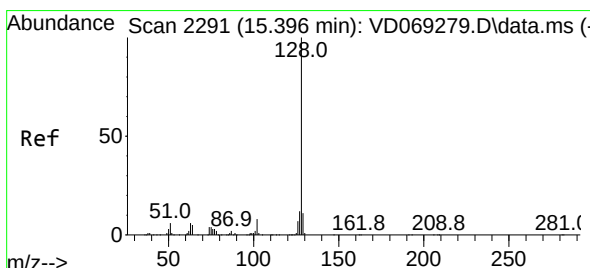
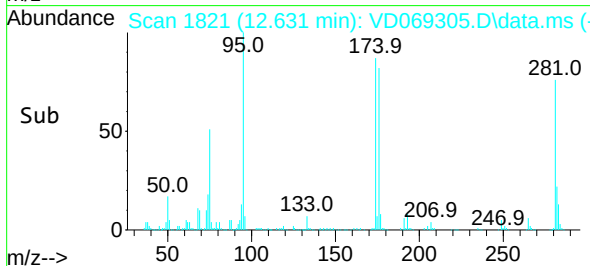
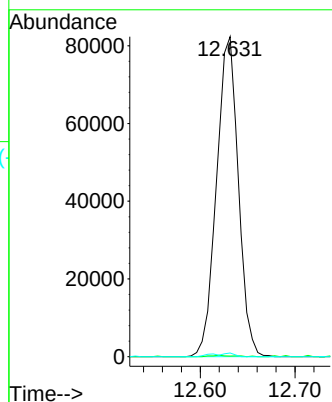


#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.76 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD069305.D
 Acq: 02 Jun 2021 16:58

Instrument :
 MSVOA_D
 ClientSampled :



Tgt Ion: 75 Resp: 131852
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.6 35.6 53.4#



#95
 Naphthalene
 Concen: 4.77 ug/l
 RT: 15.390 min Scan# 2290
 Delta R.T. -0.006 min
 Lab File: VD069305.D
 Acq: 02 Jun 2021 16:58

Tgt Ion: 128 Resp: 13384
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.4 15.6
 129 13.4 8.8 13.2#

