

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069987.D
 Acq On : 04 Aug 2021 15:44
 Operator : VA/SY
 Sample : M3279-13
 Misc : 7.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:11:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

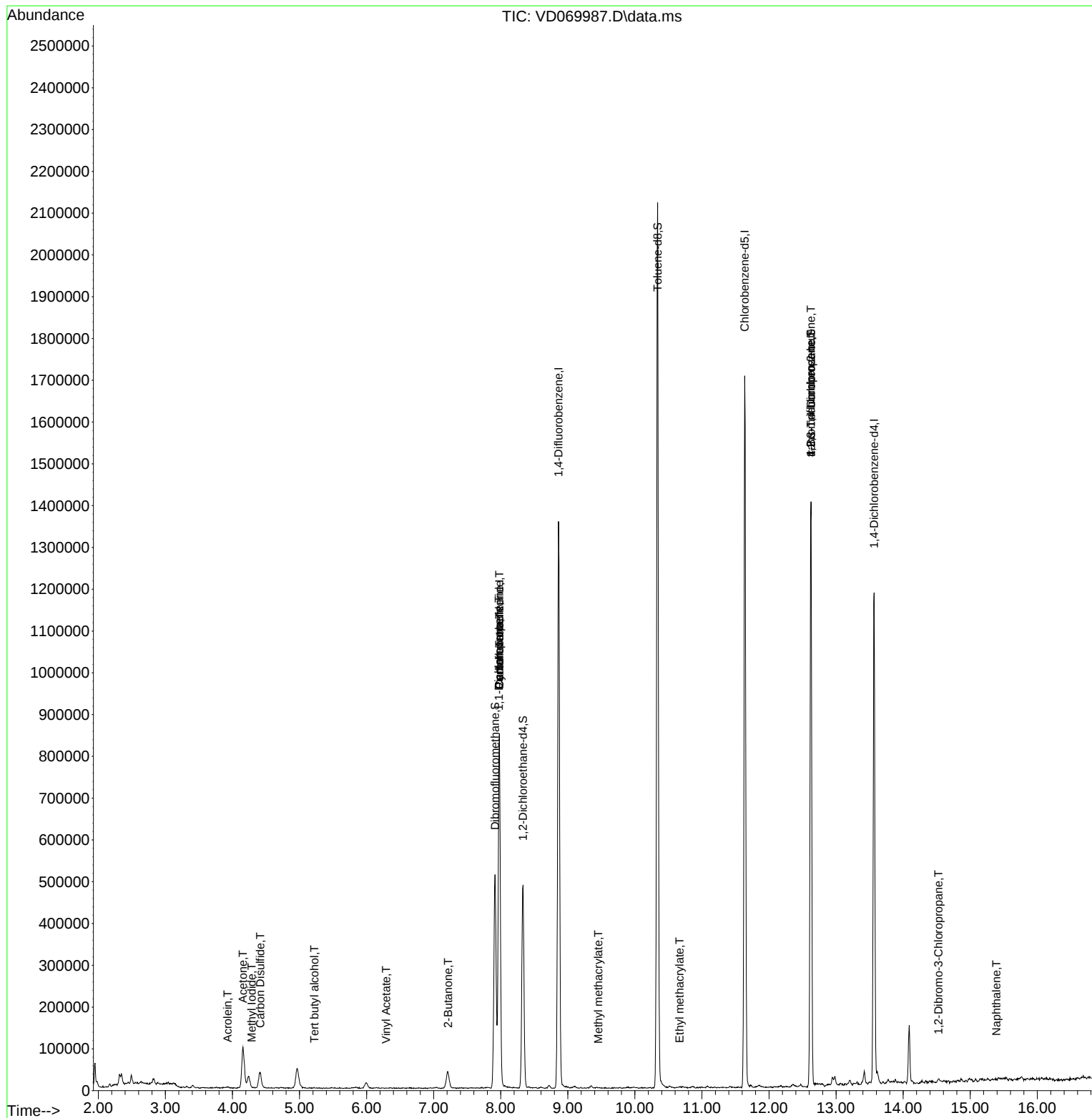
Internal Standards						
1) Pentafluorobenzene	7.979	168	587632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1153936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	991623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	319822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	384495	56.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.780%	
35) Dibromofluoromethane	7.914	113	381480	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.338	98	1431430	51.032	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.626	95	396153	42.260	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1972	Below Cal		98
10) Methyl Iodide	4.285	142	300	3.501 ug/l	#	59
11) Tert butyl alcohol	5.220	59	422	1.207 ug/l	#	73
13) Acrolein	3.926	56	3296	6.733 ug/l	#	67
16) Acetone	4.156	43	172813	141.550 ug/l		91
17) Carbon Disulfide	4.415	76	80070	3.331 ug/l	#	94
20) Methylene Chloride	4.962	84	37580	Below Cal		87
23) Vinyl Acetate	6.291	43	151	20.361 ug/l	#	71
25) 2-Butanone	7.214	43	48085	29.043 ug/l		92
31) Cyclohexane	7.979	56	15228	1.153 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	54499	4.376 ug/l	#	48
38) Carbon Tetrachloride	7.979	117	62244	5.472 ug/l	#	19
48) Methyl methacrylate	9.456	41	56	2.759 ug/l	#	1
56) Ethyl methacrylate	10.667	69	200	3.919 ug/l	#	76
76) 1,2,3-Trichloropropane	12.626	75	197158	57.997 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	197158	175.947 ug/l	#	16
92) 1,2-Dibromo-3-Chloropr...	14.526	75	973	1.472 ug/l	#	7
95) Naphthalene	15.391	128	1771	5.151 ug/l	#	89

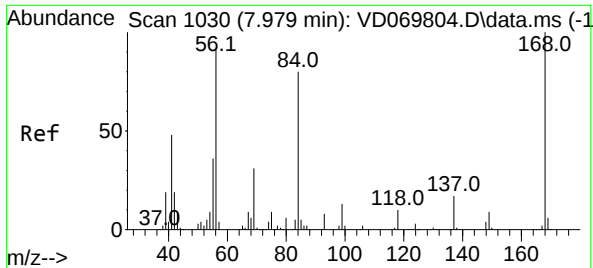
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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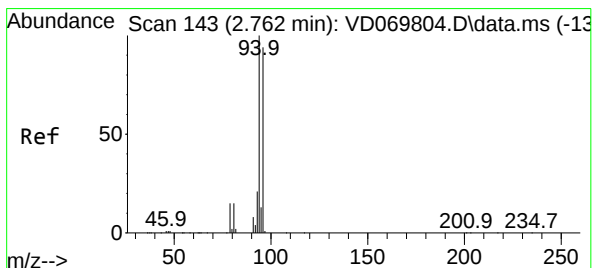
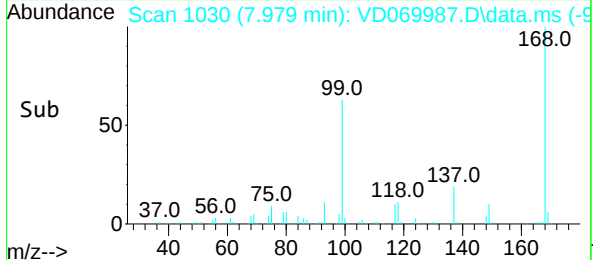
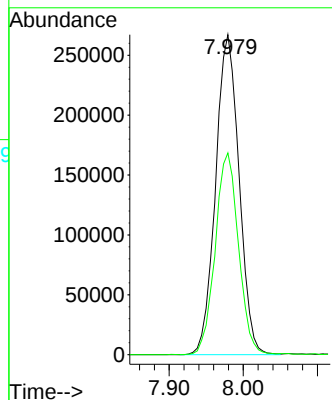
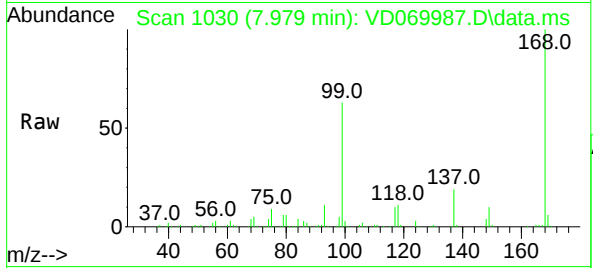




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

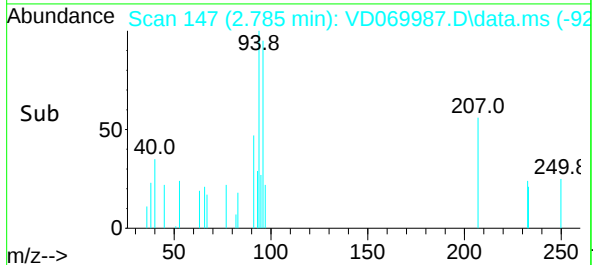
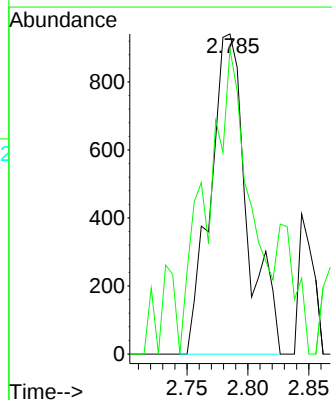
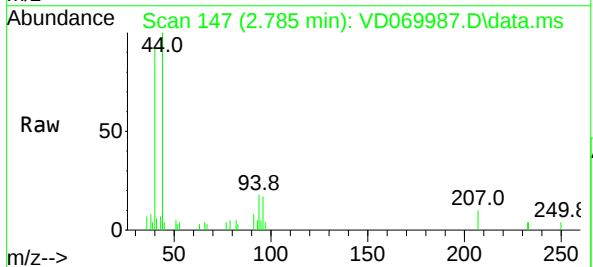
Instrument :
MSVOA_D
ClientSampled :

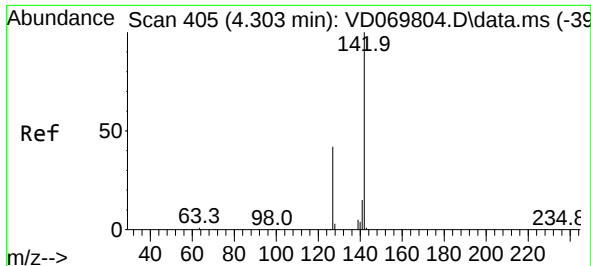
Tgt Ion:168 Resp: 587632
Ion Ratio Lower Upper
168 100
99 63.1 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 94 Resp: 1972
Ion Ratio Lower Upper
94 100
96 95.3 74.8 112.2

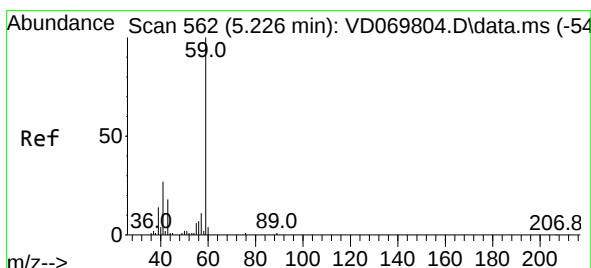
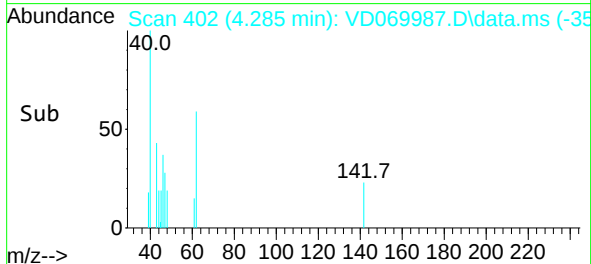
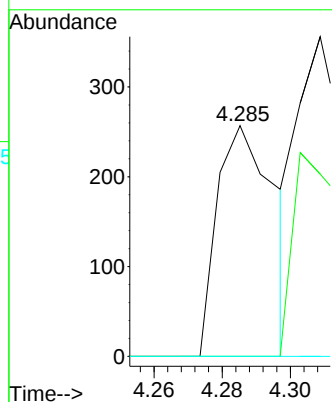
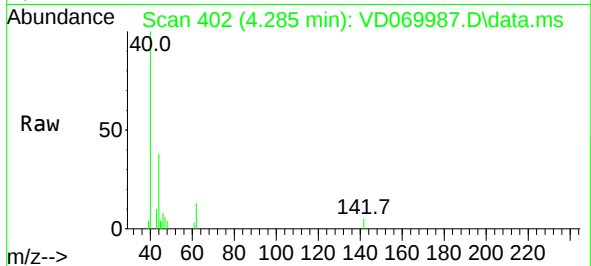




#10
Methyl Iodide
Concen: 3.501 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

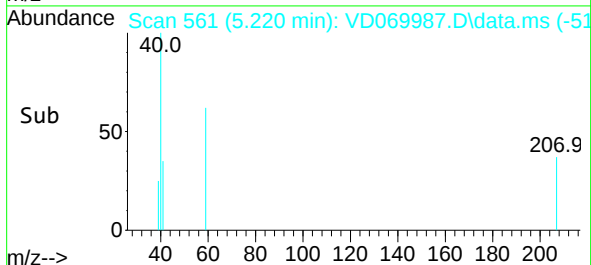
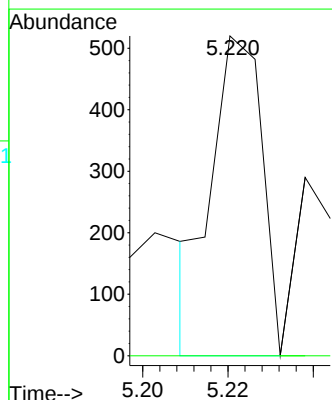
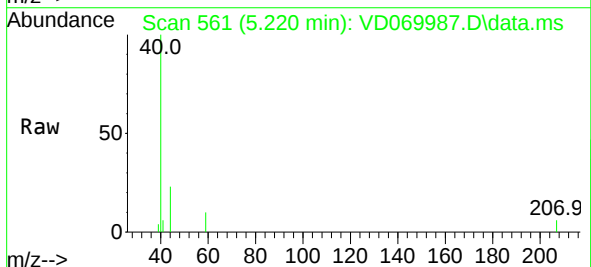
Instrument :
MSVOA_D
ClientSampled :

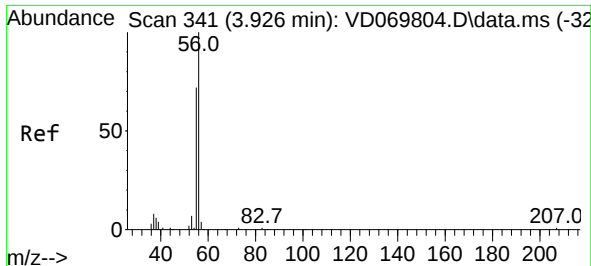
Tgt Ion:142 Resp: 300
Ion Ratio Lower Upper
142 100
127 72.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.207 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

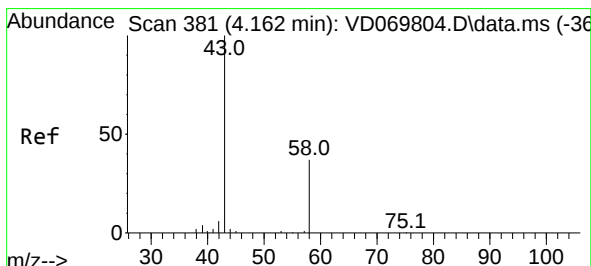
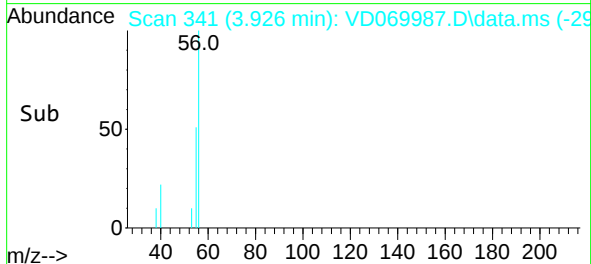
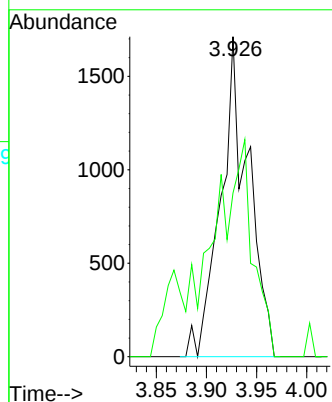
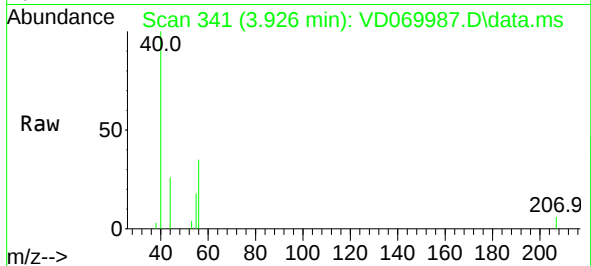




#13
Acrolein
Concen: 6.733 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

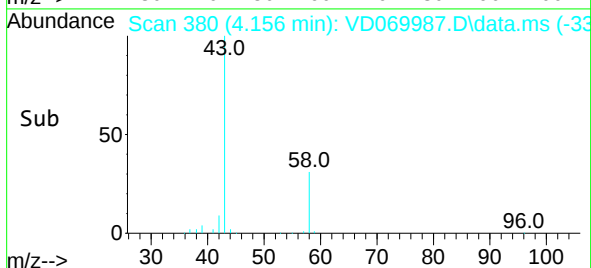
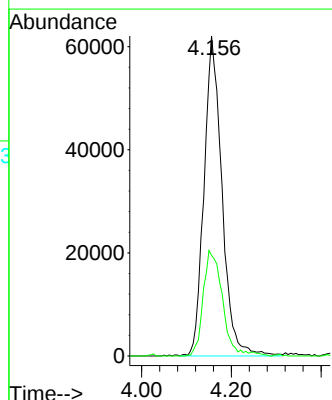
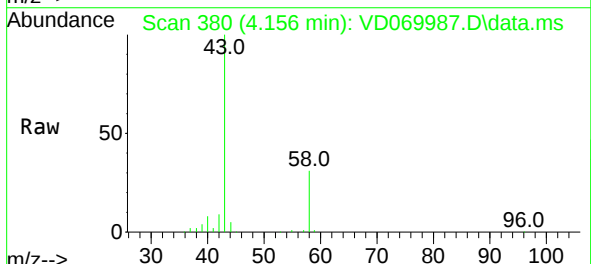
Instrument :
MSVOA_D
ClientSampled :

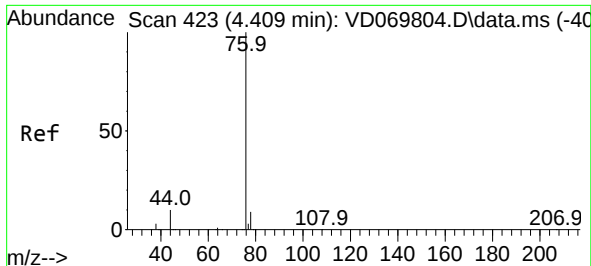
Tgt Ion: 56 Resp: 3296
Ion Ratio Lower Upper
56 100
55 44.1 57.2 85.8#



#16
Acetone
Concen: 141.550 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

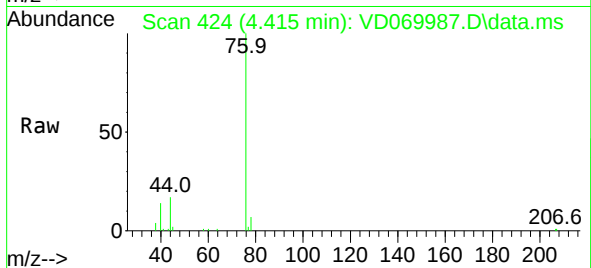
Tgt Ion: 43 Resp: 172813
Ion Ratio Lower Upper
43 100
58 31.5 29.4 44.0



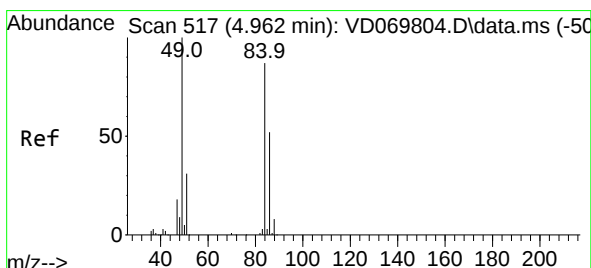
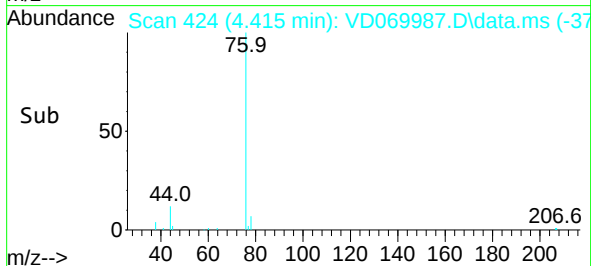
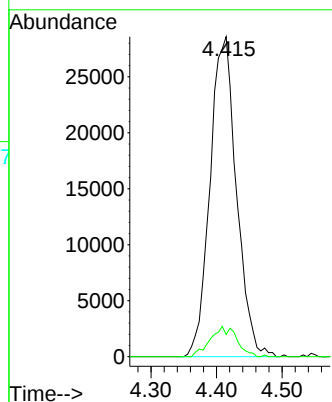


#17
Carbon Disulfide
Concen: 3.331 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Instrument :
MSVOA_D
ClientSampled :

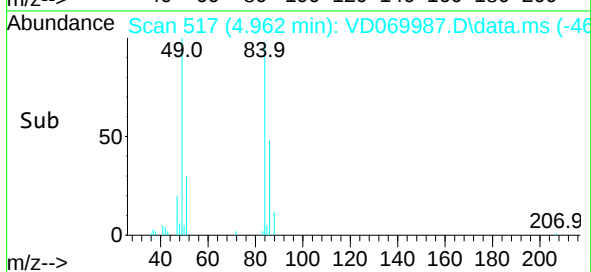
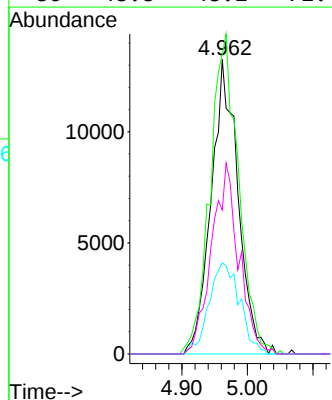
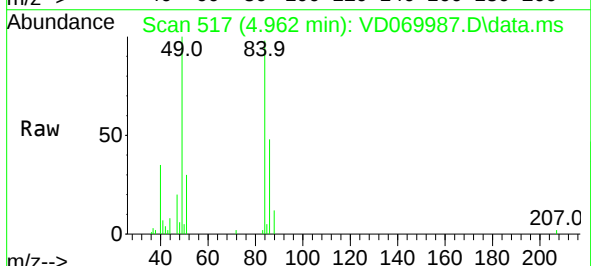


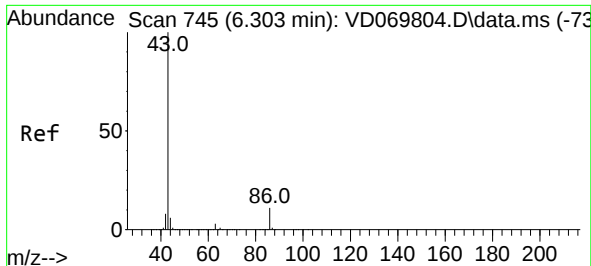
Tgt Ion: 76 Resp: 80070
Ion Ratio Lower Upper
76 100
78 6.9 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 84 Resp: 37580
Ion Ratio Lower Upper
84 100
49 101.8 92.4 138.6
51 31.0 28.5 42.7
86 48.8 48.2 72.4

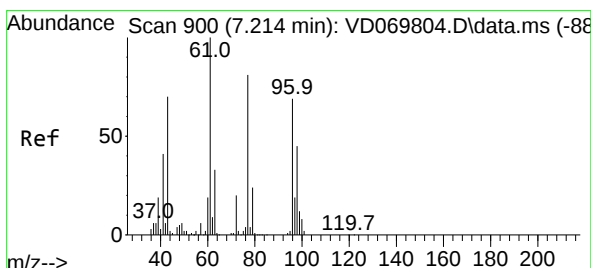
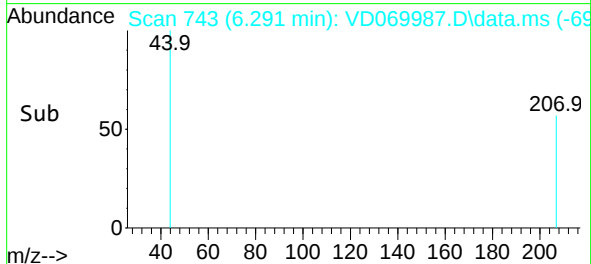
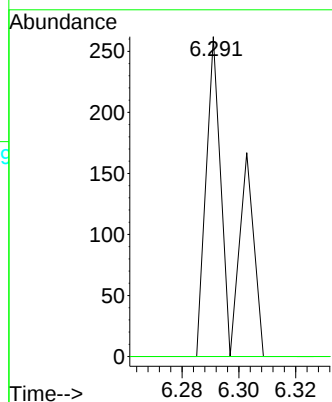
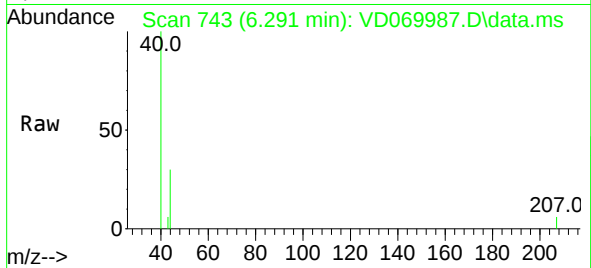




#23
 Vinyl Acetate
 Concen: 20.361 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.012 min
 Lab File: VD069987.D
 Acq: 04 Aug 2021 15:44

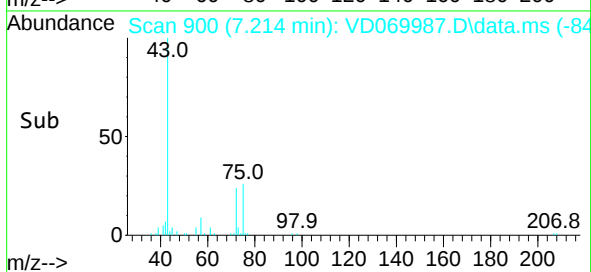
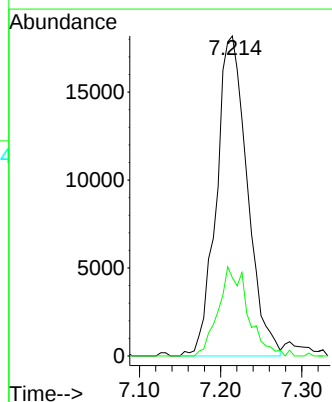
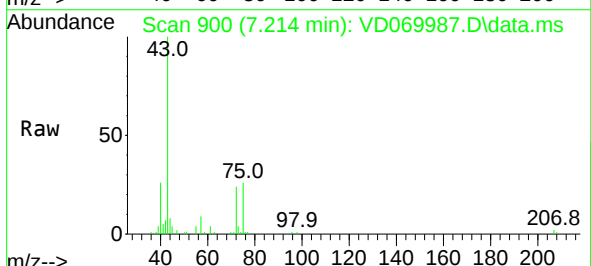
Instrument :
 MSVOA_D
 ClientSampled :

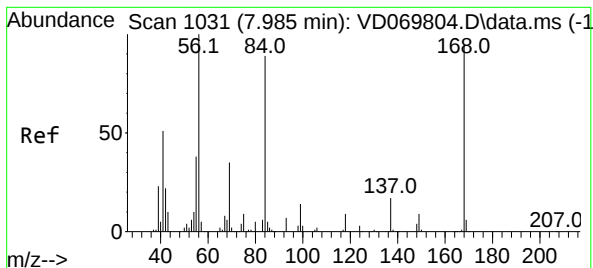
Tgt Ion: 43 Resp: 151
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 29.043 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD069987.D
 Acq: 04 Aug 2021 15:44

Tgt Ion: 43 Resp: 48085
 Ion Ratio Lower Upper
 43 100
 72 24.5 22.8 34.2





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.979 min Scan# 1030

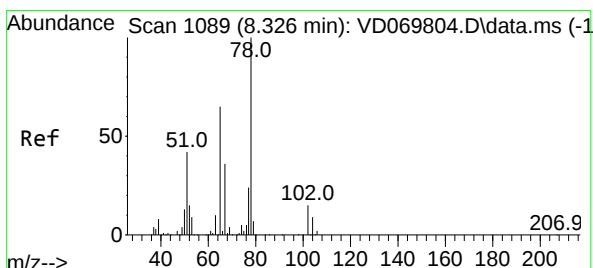
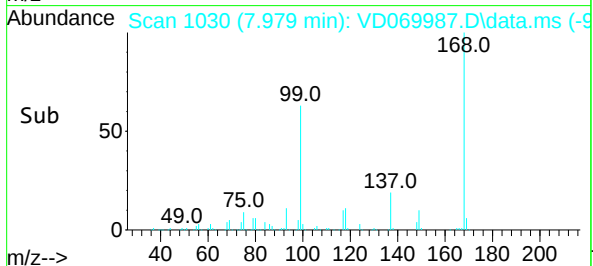
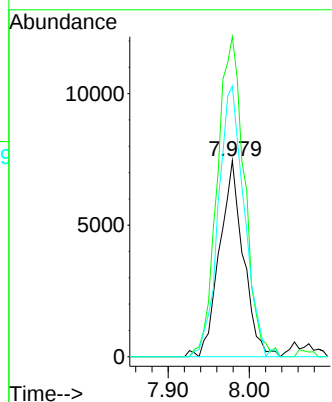
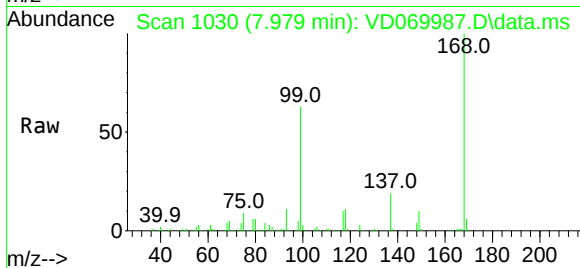
Delta R.T. -0.006 min

Lab File: VD069987.D

Acq: 04 Aug 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	56	Resp:	15228
Ion	Ratio	Lower	Upper
56	100		
69	163.2	27.9	41.9#
84	138.0	71.4	107.2#



#33

1,2-Dichloroethane-d4

Concen: 56.892 ug/l

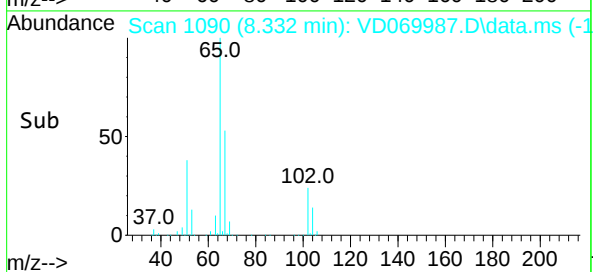
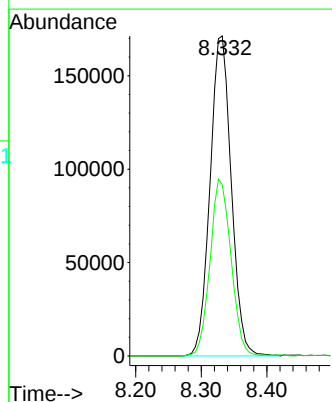
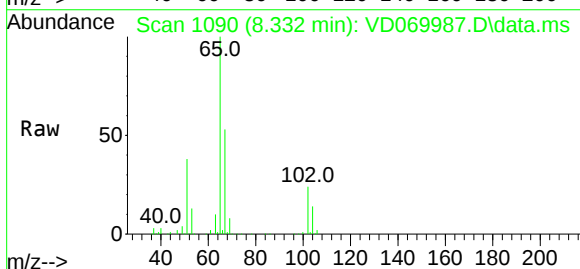
RT: 8.332 min Scan# 1090

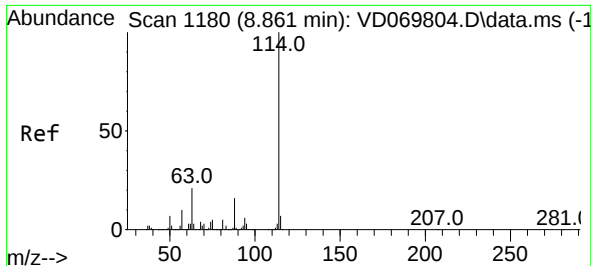
Delta R.T. 0.006 min

Lab File: VD069987.D

Acq: 04 Aug 2021 15:44

Tgt Ion:	65	Resp:	384495
Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	111.2



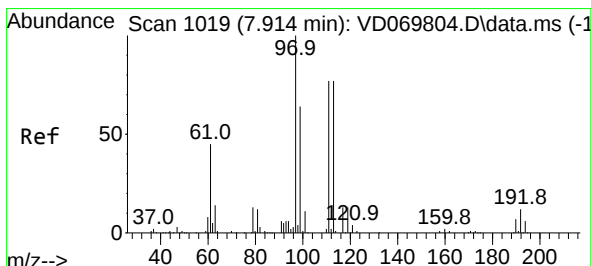
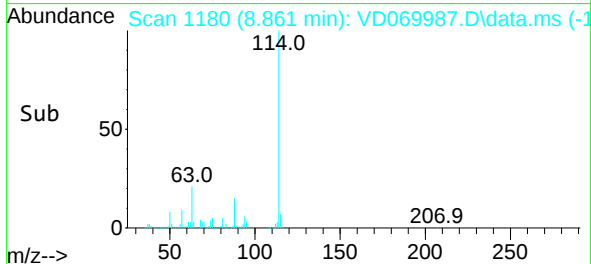
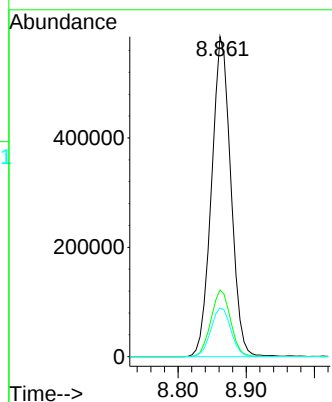
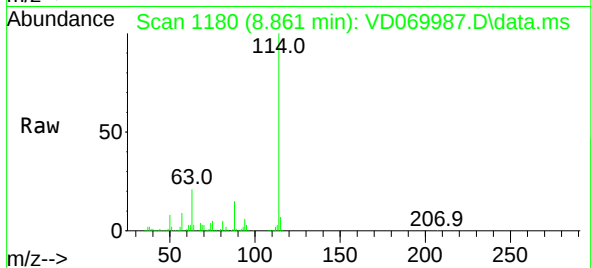


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Instrument :
MSVOA_D
ClientSampled :

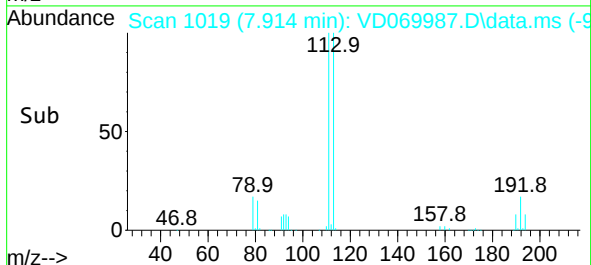
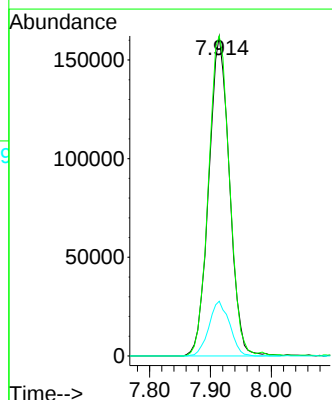
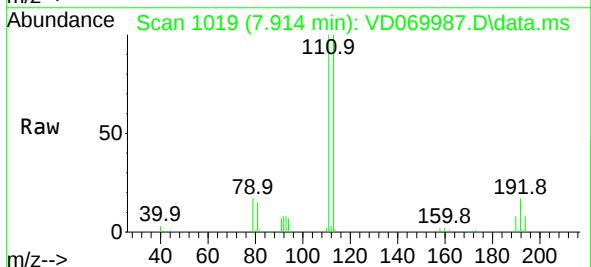
Tgt Ion:114 Resp: 1153936
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 15.2 0.0 31.4

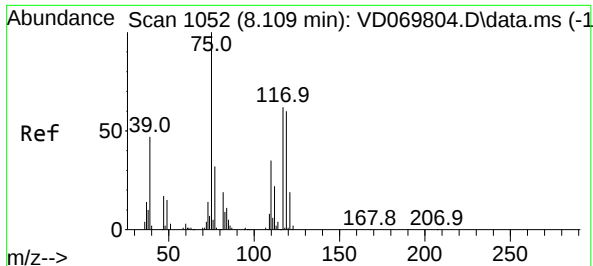


#35

Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion:113 Resp: 381480
Ion Ratio Lower Upper
113 100
111 101.5 80.5 120.7
192 17.1 12.6 19.0

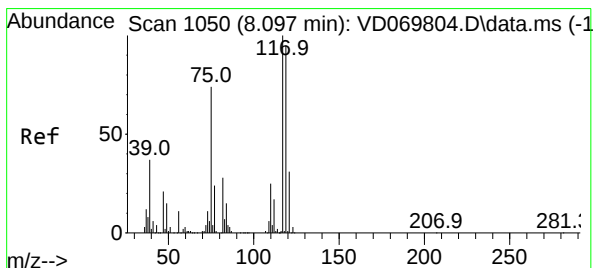
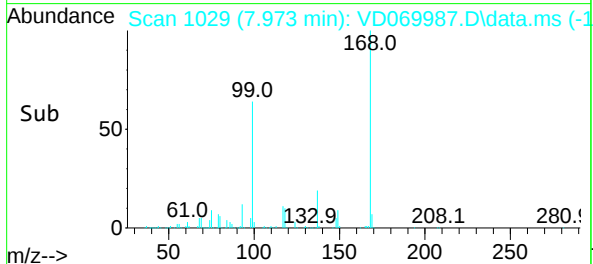
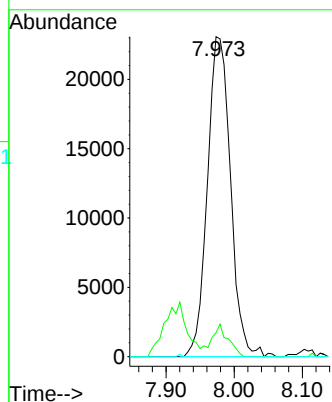
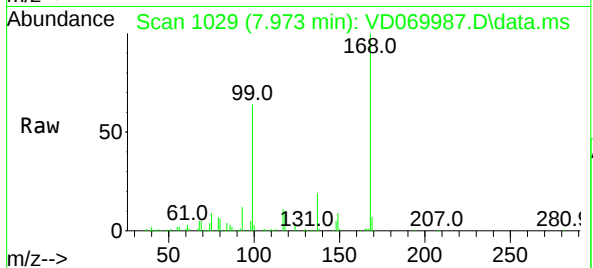




#36
1,1-Dichloropropene
Concen: 4.376 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

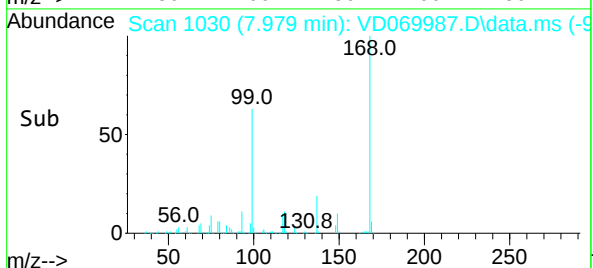
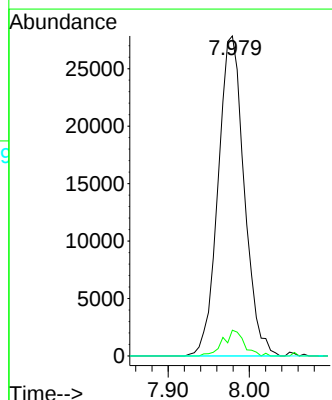
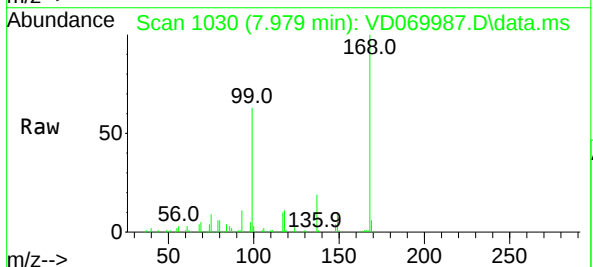
Instrument :
MSVOA_D
ClientSampleId :

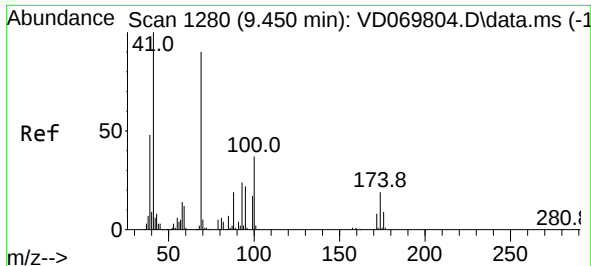
Tgt Ion: 75 Resp: 54499
Ion Ratio Lower Upper
75 100
110 6.4 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 117 Resp: 62244
Ion Ratio Lower Upper
117 100
119 8.0 76.2 114.2#
121 0.0 24.5 36.7#

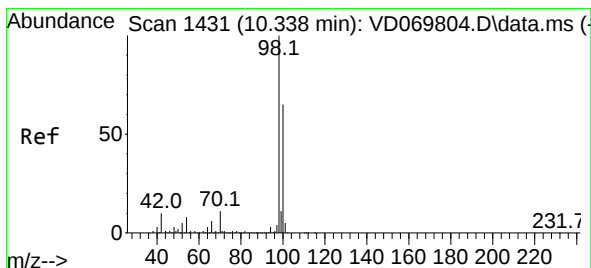
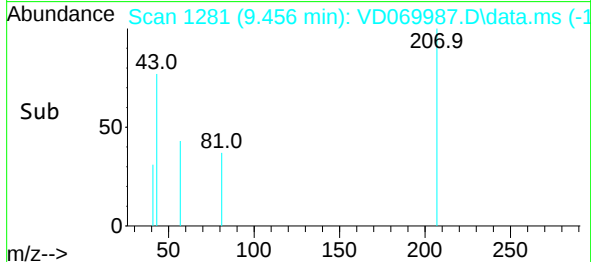
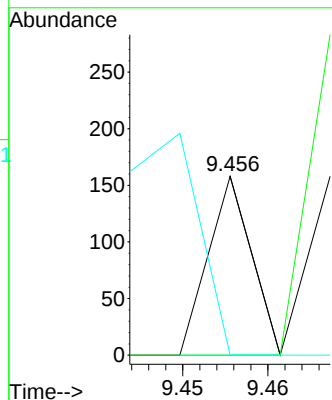
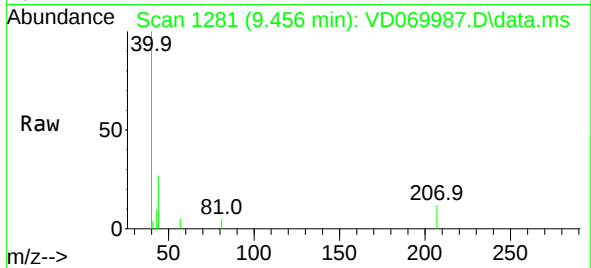




#48
Methyl methacrylate
Concen: 2.759 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

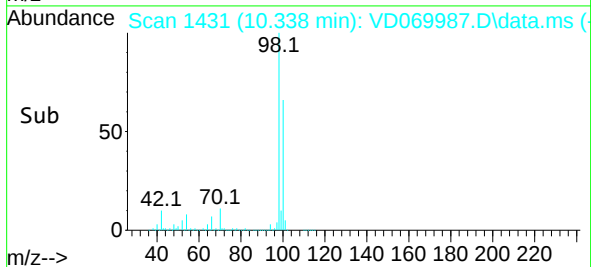
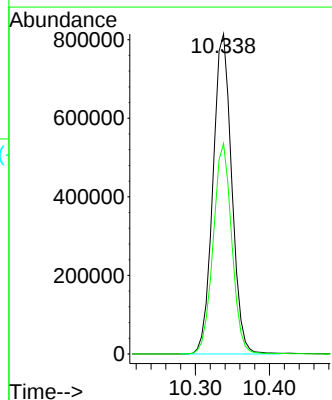
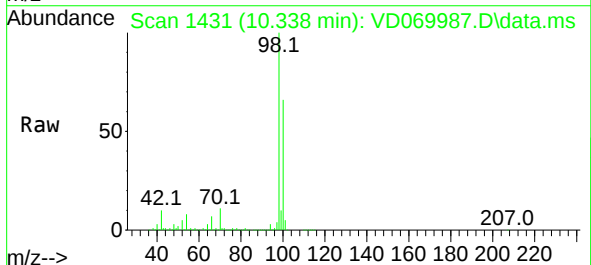
Instrument :
MSVOA_D
ClientSampled :

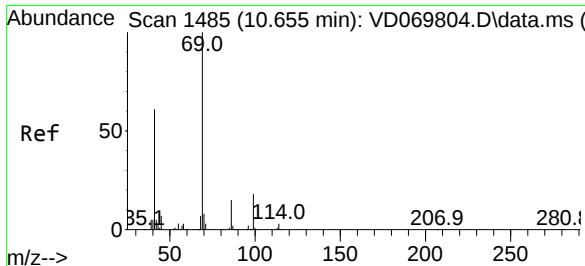
Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 178.6 73.4 110.2#
39 225.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.032 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 98 Resp: 1431430
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

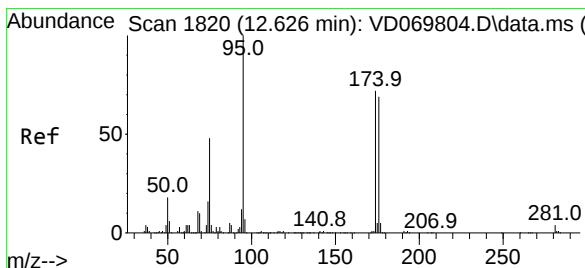
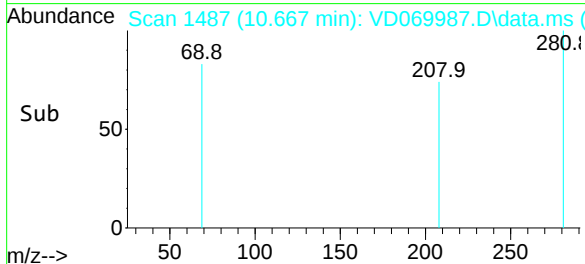
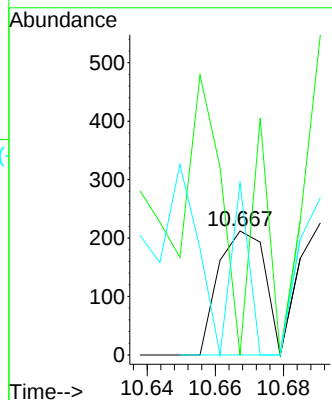
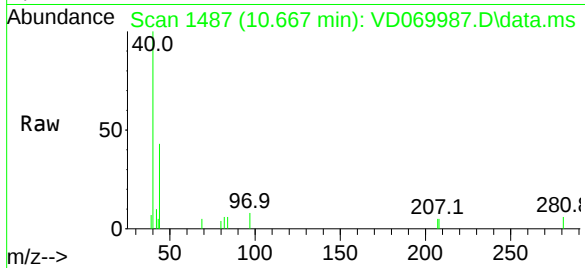




#56
Ethyl methacrylate
Concen: 3.919 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

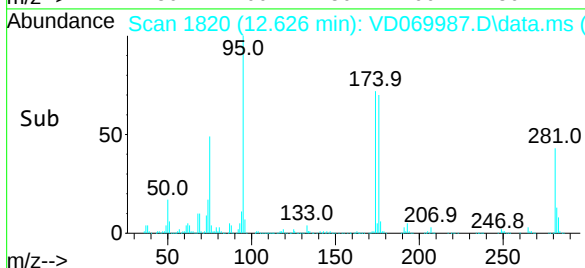
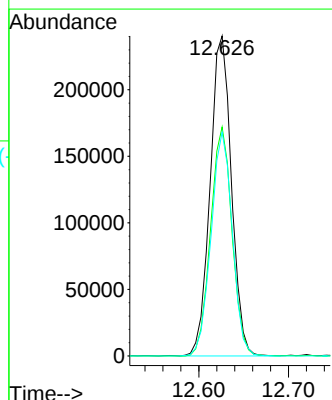
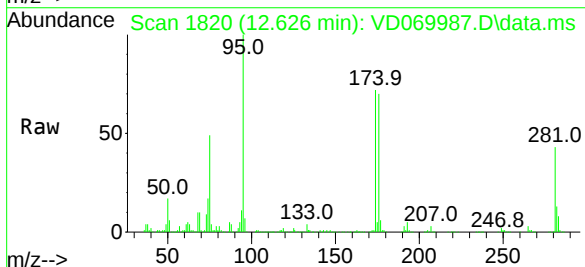
Instrument :
MSVOA_D
ClientSampled :

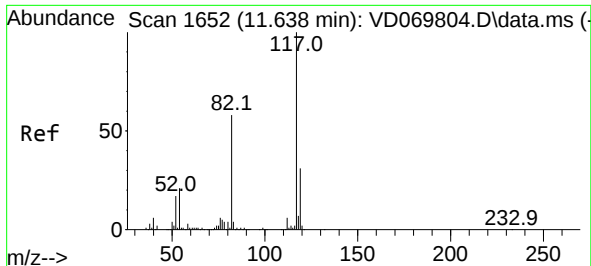
Tgt Ion: 69 Resp: 200
Ion Ratio Lower Upper
69 100
41 71.5 50.2 75.2
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 42.260 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 95 Resp: 396153
Ion Ratio Lower Upper
95 100
174 71.9 0.0 142.6
176 69.5 0.0 134.2

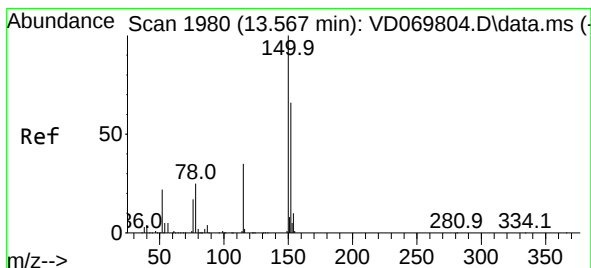
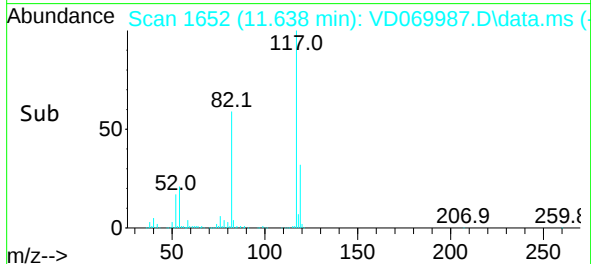
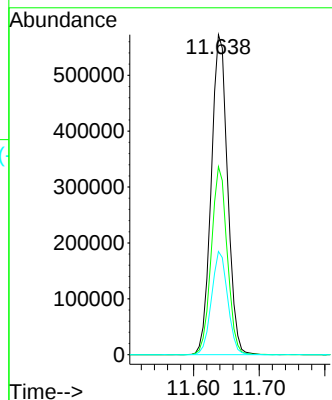
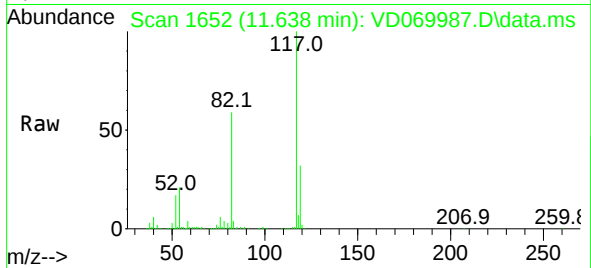




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

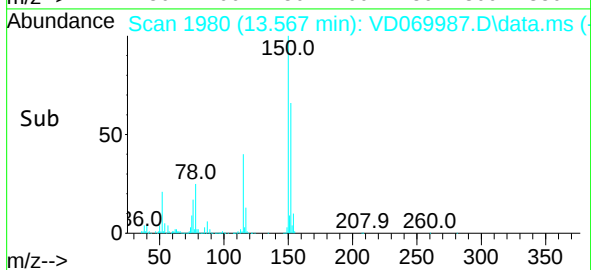
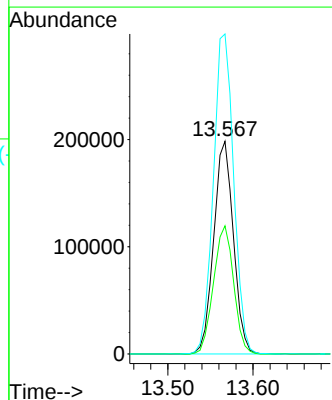
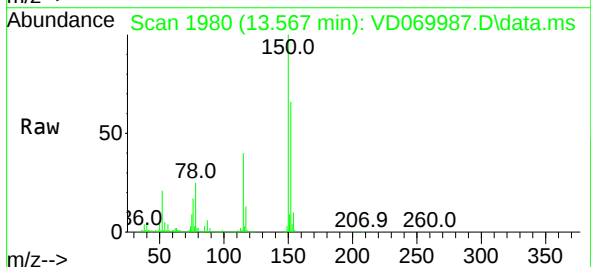
Instrument :
MSVOA_D
ClientSampleId :

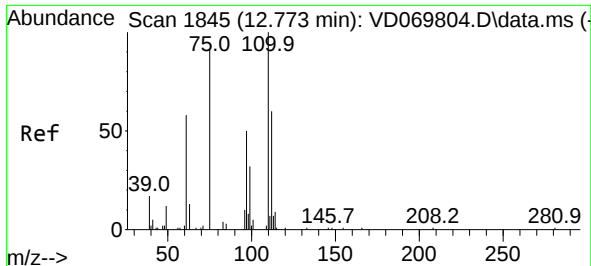
Tgt Ion:117 Resp: 991623
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 32.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion:152 Resp: 319822
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.3
150 155.1 0.0 343.0

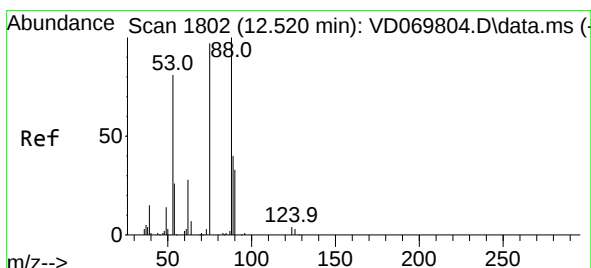
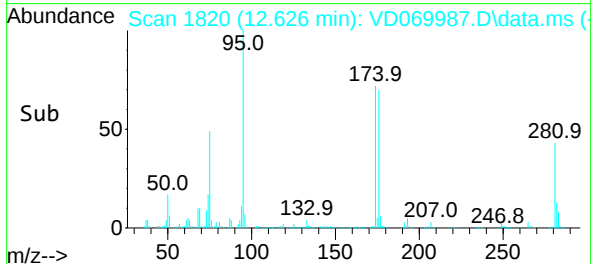
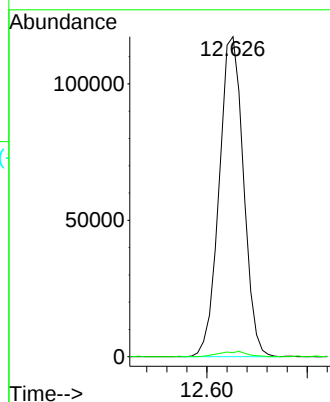
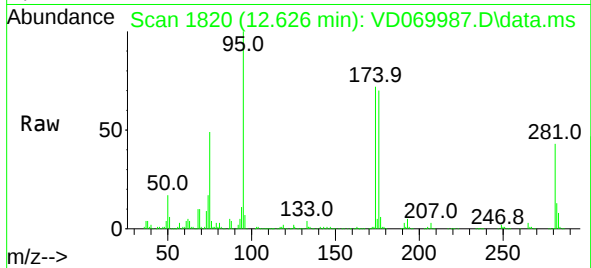




#76
1,2,3-Trichloropropane
Concen: 57.997 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

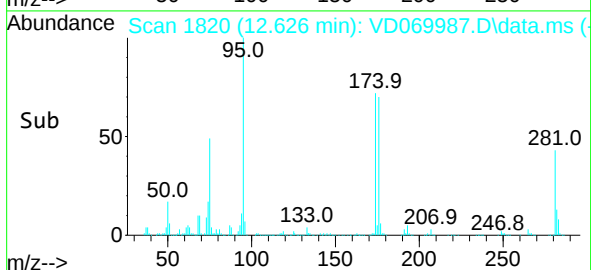
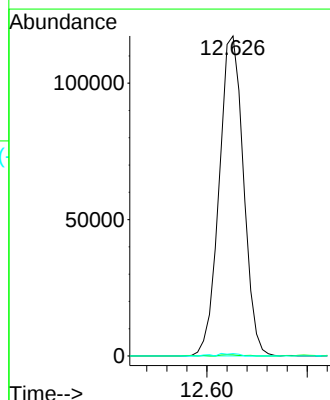
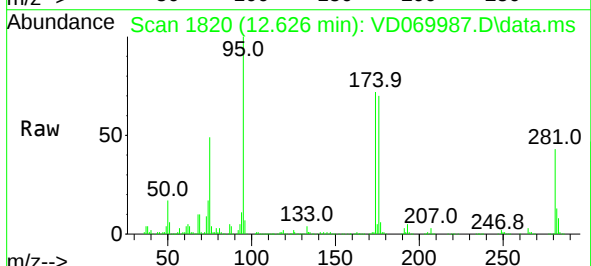
Instrument :
MSVOA_D
ClientSampleId :

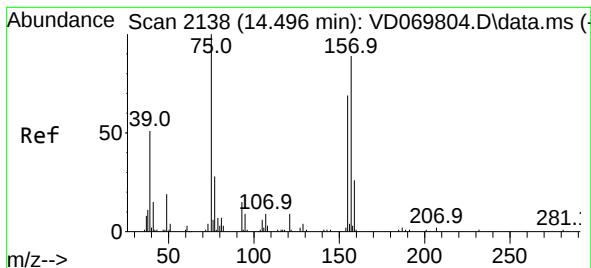
Tgt Ion: 75 Resp: 197158
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 175.947 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 75 Resp: 197158
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.7 35.8 53.6#

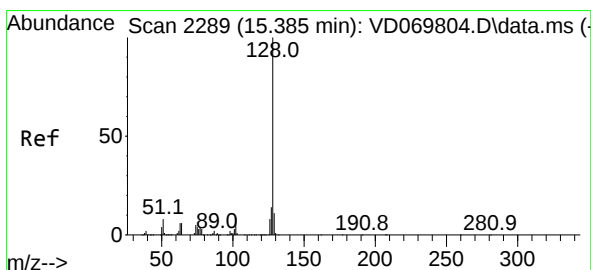
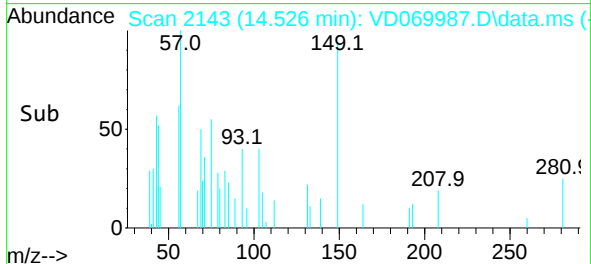
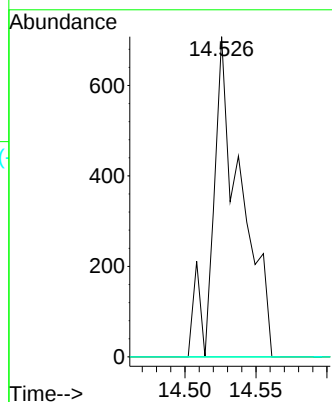
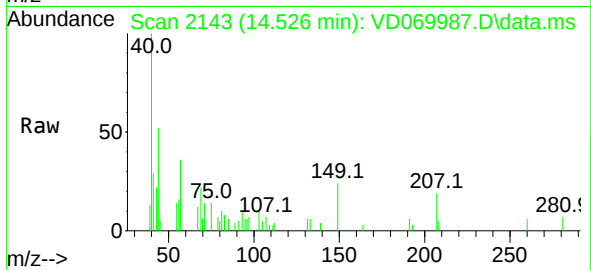




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.472 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.029 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 973
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.151 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD069987.D
Acq: 04 Aug 2021 15:44

Tgt Ion: 128 Resp: 1771
Ion Ratio Lower Upper
128 100
127 8.8 10.6 16.0#
129 6.4 8.6 12.8#

