

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD069999.D
 Acq On : 09 Aug 2021 16:29
 Operator : VA/SY
 Sample : M3305-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:04:02 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)

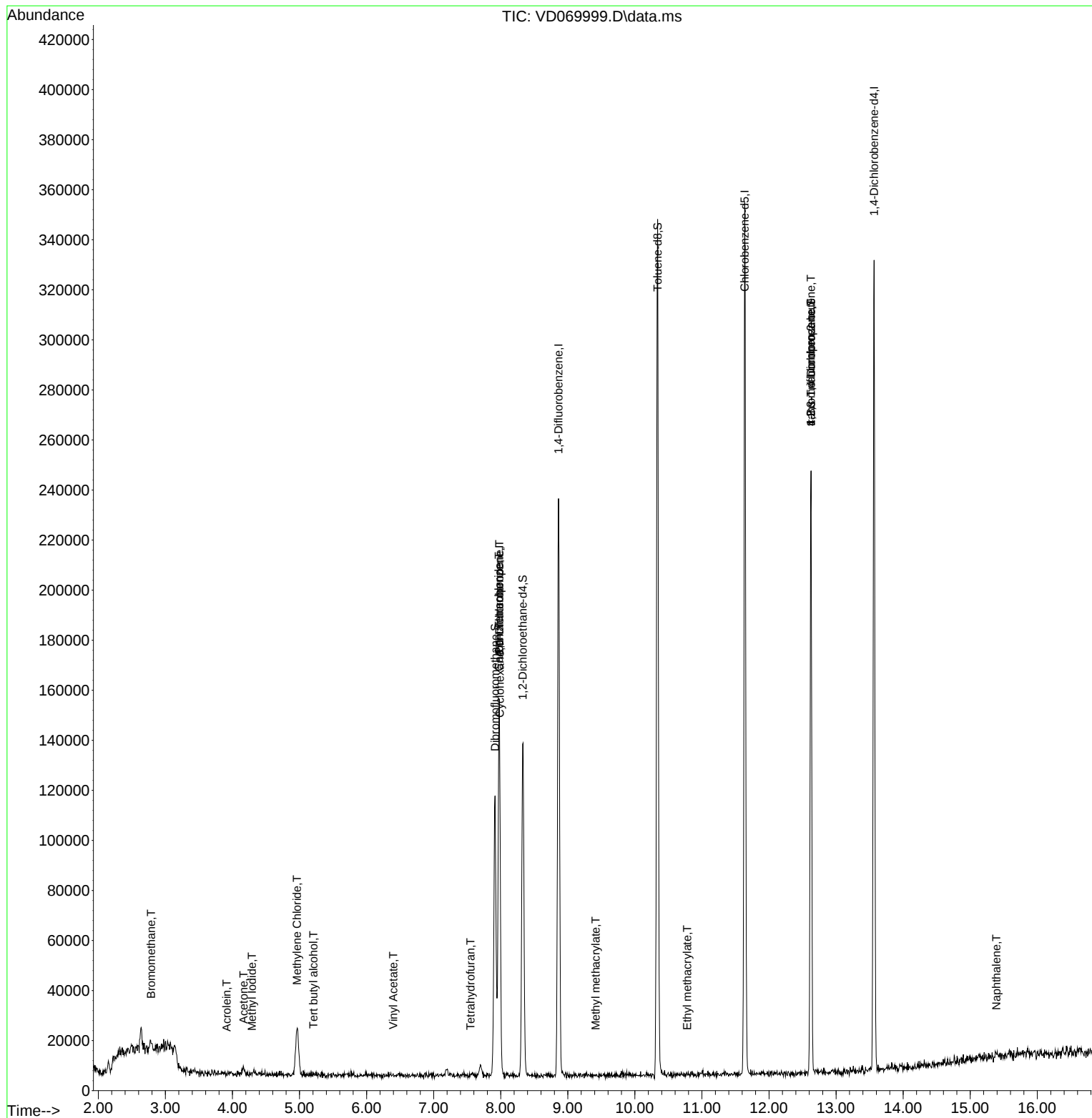
Internal Standards						
1) Pentafluorobenzene	7.979	168	104417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	194356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	199074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	84627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	108664	90.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.980%#			
35) Dibromofluoromethane	7.914	113	79893	65.207	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.420%			
50) Toluene-d8	10.338	98	243703	51.584	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.626	95	83209	52.701	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.400%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	2906	1.066	ug/l #	79
10) Methyl Iodide	4.291	142	749	4.000	ug/l #	14
11) Tert butyl alcohol	5.209	59	199	3.202	ug/l #	73
13) Acrolein	3.915	56	122	1.403	ug/l #	74
16) Acetone	4.168	43	5435	25.053	ug/l	90
20) Methylene Chloride	4.962	84	14997	3.693	ug/l	89
23) Vinyl Acetate	6.397	43	66	20.378	ug/l #	71
29) Tetrahydrofuran	7.550	42	233	1.224	ug/l #	51
31) Cyclohexane	7.985	56	2858	1.218	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	9192	4.383	ug/l #	49
38) Carbon Tetrachloride	7.973	117	11991	6.259	ug/l #	15
48) Methyl methacrylate	9.414	41	57	2.821	ug/l #	13
56) Ethyl methacrylate	10.779	69	72	3.944	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	41743	46.406	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	41743	140.783	ug/l #	16
95) Naphthalene	15.390	128	778	5.252	ug/l #	69

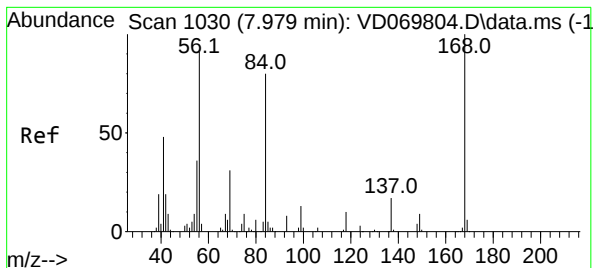
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
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: VD069999.D

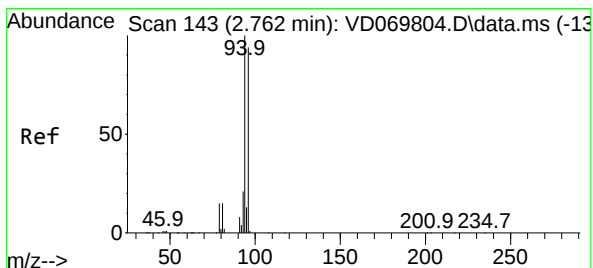
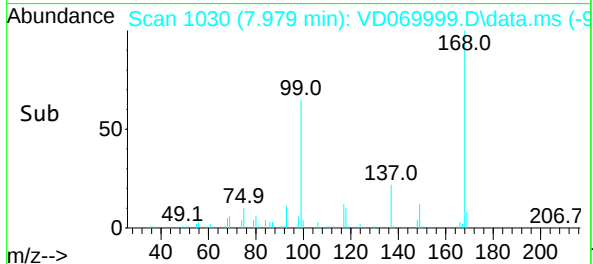
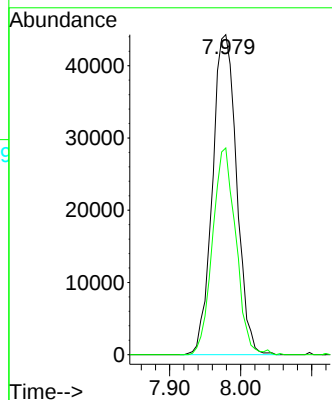
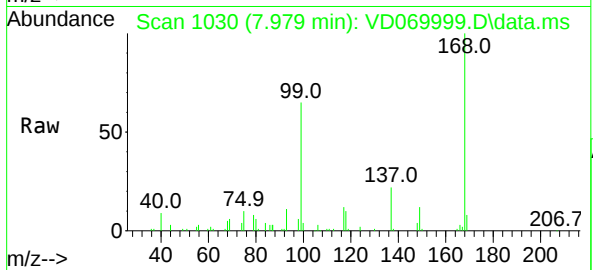
Acq: 09 Aug 2021 16:29

Tgt Ion:168 Resp: 104417

Ion Ratio Lower Upper

168 100

99 64.6 51.1 76.7



#5

Bromomethane

Concen: 1.066 ug/l

RT: 2.785 min Scan# 147

Delta R.T. 0.023 min

Lab File: VD069999.D

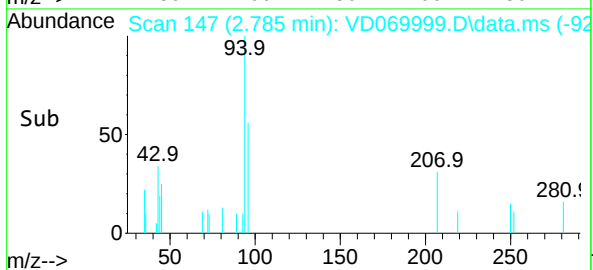
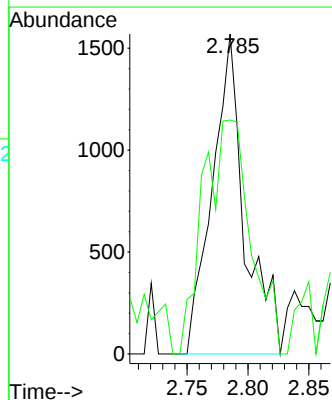
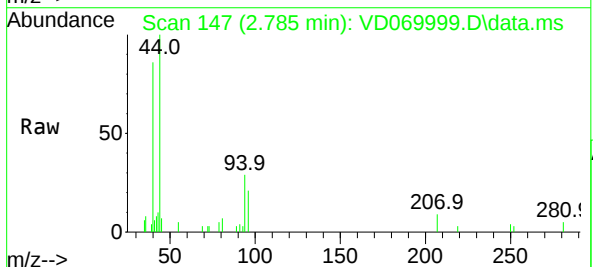
Acq: 09 Aug 2021 16:29

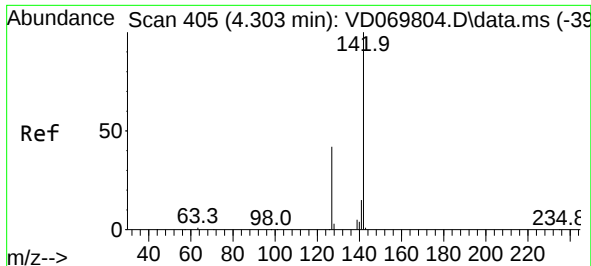
Tgt Ion: 94 Resp: 2906

Ion Ratio Lower Upper

94 100

96 73.1 74.8 112.2#

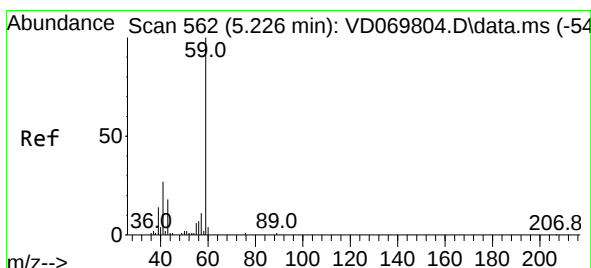
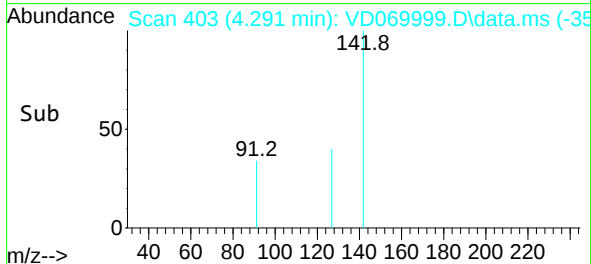
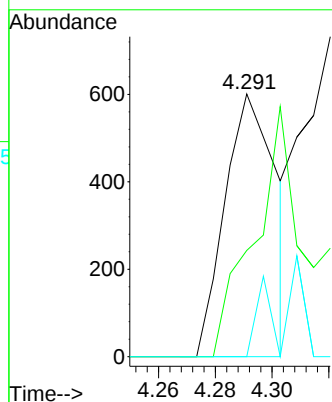
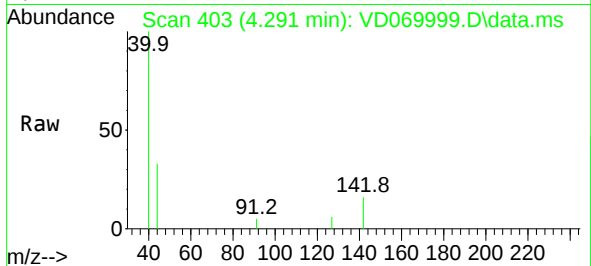




#10
Methyl Iodide
Concen: 4.000 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

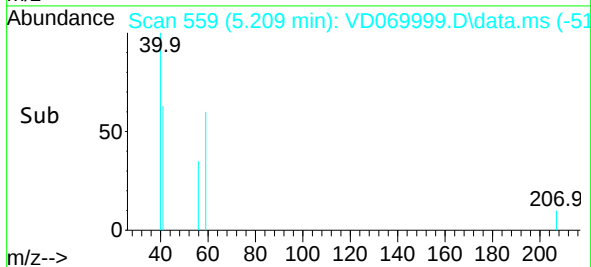
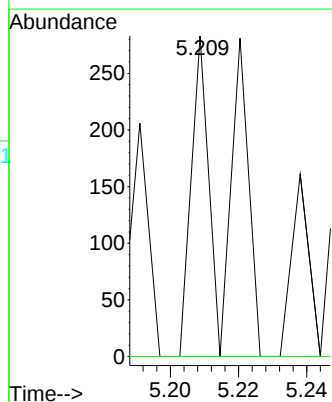
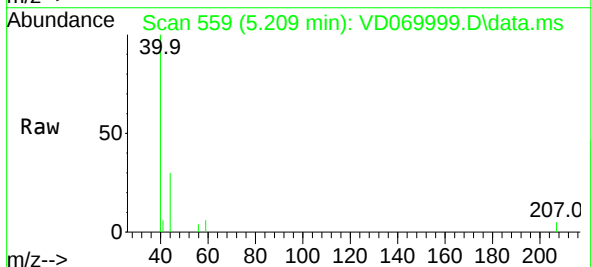
Instrument :
MSVOA_D
ClientSampleId :

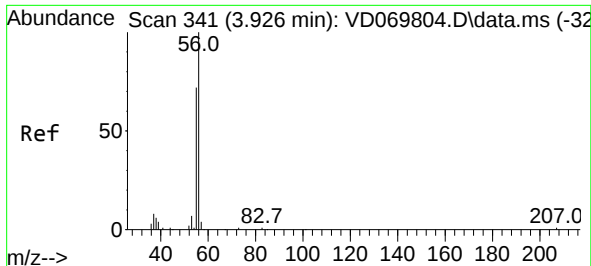
Tgt Ion:142 Resp: 749
Ion Ratio Lower Upper
142 100
127 116.0 35.7 53.5#
141 8.7 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.202 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

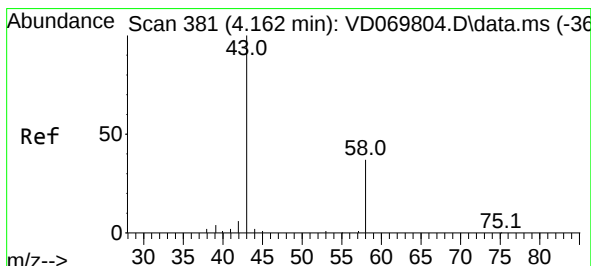
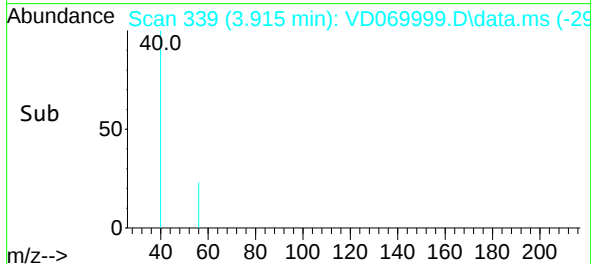
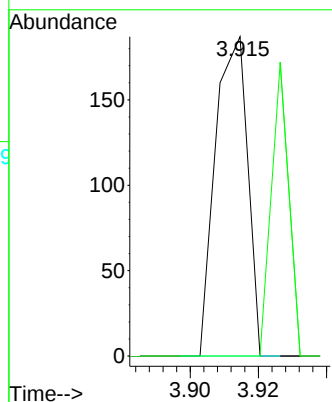
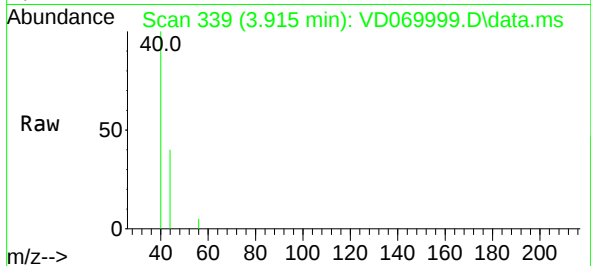




#13
Acrolein
Concen: 1.403 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

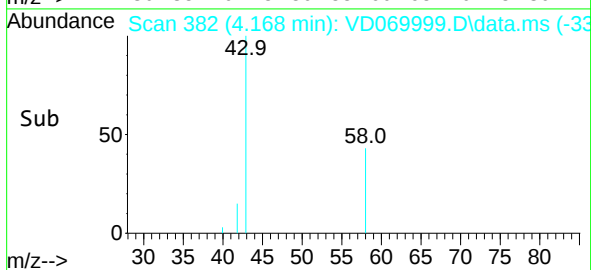
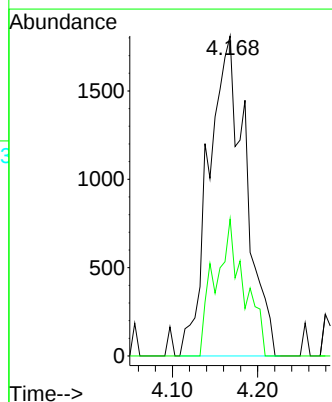
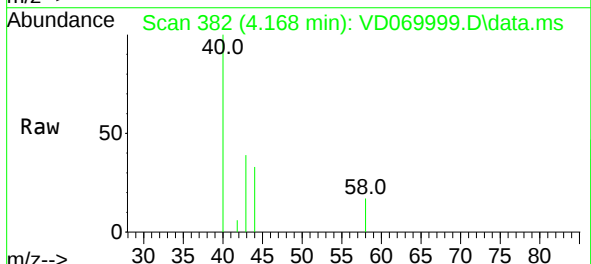
Instrument :
MSVOA_D
ClientSampled :

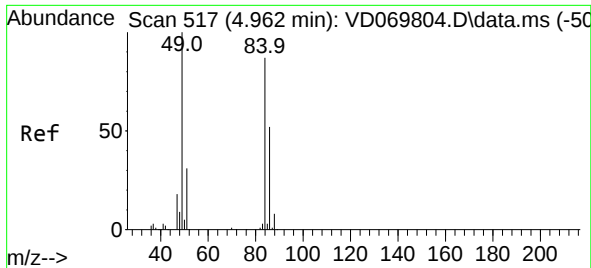
Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 50.0 57.2 85.8#



#16
Acetone
Concen: 25.053 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

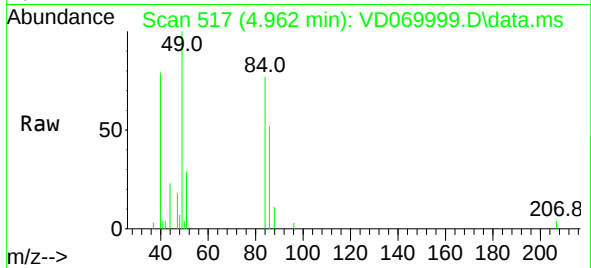
Tgt Ion: 43 Resp: 5435
Ion Ratio Lower Upper
43 100
58 42.8 29.4 44.0



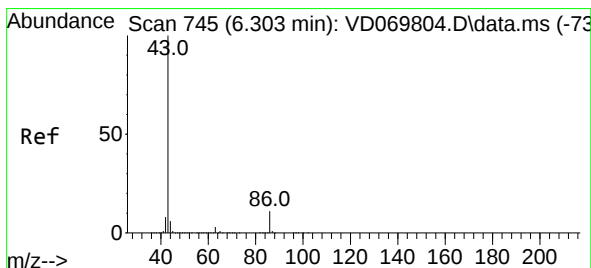
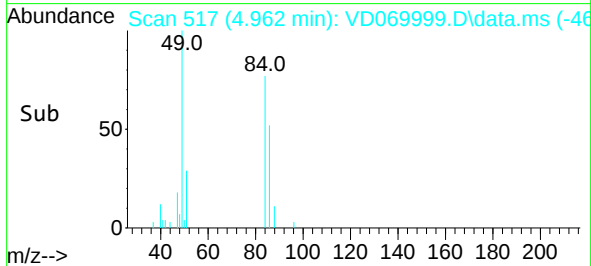
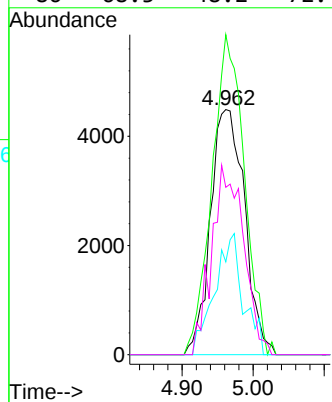


#20
Methylene Chloride
Concen: 3.693 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Instrument :
MSVOA_D
ClientSampleId :

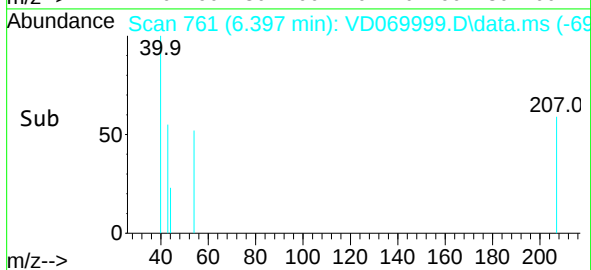
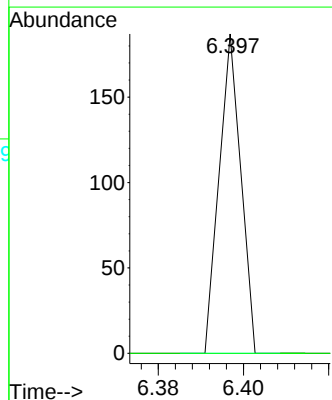
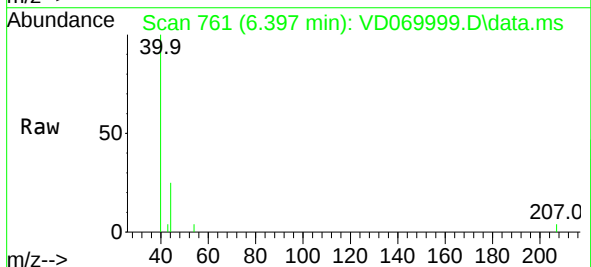


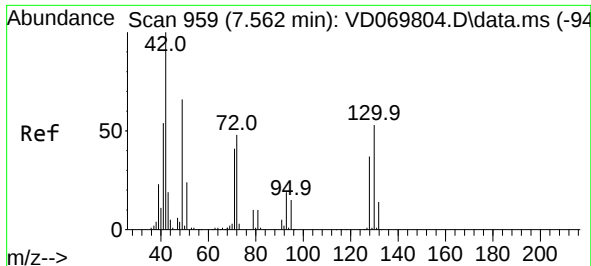
Tgt Ion:	84	Resp:	14997
Ion	Ratio	Lower	Upper
84	100		
49	130.5	92.4	138.6
51	37.9	28.5	42.7
86	68.3	48.2	72.4



#23
Vinyl Acetate
Concen: 20.378 ug/l
RT: 6.397 min Scan# 761
Delta R.T. 0.094 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion:	43	Resp:	66
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#





#29

Tetrahydrofuran

Concen: 1.224 ug/l

RT: 7.550 min Scan# 957

Delta R.T. -0.012 min

Lab File: VD069999.D

Acq: 09 Aug 2021 16:29

Tgt Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

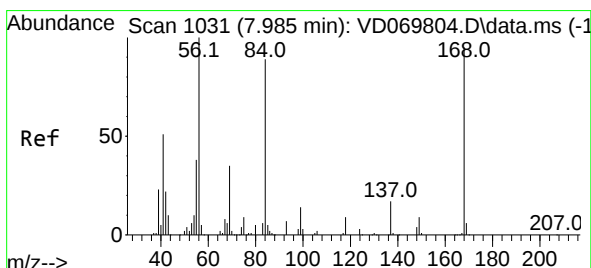
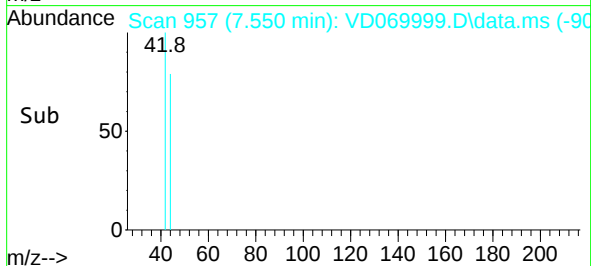
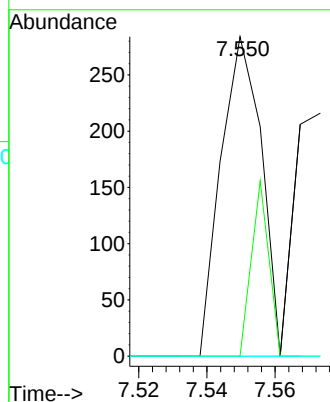
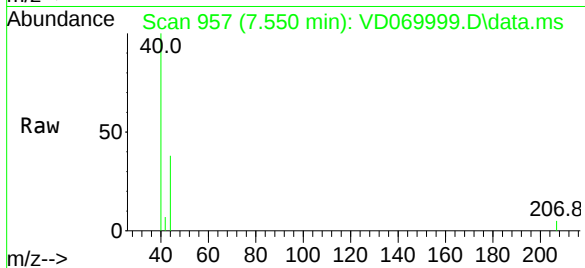
72 23.6 36.5 54.7#

71 0.0 33.5 50.3#

Instrument :

MSVOA_D

ClientSampled :



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD069999.D

Acq: 09 Aug 2021 16:29

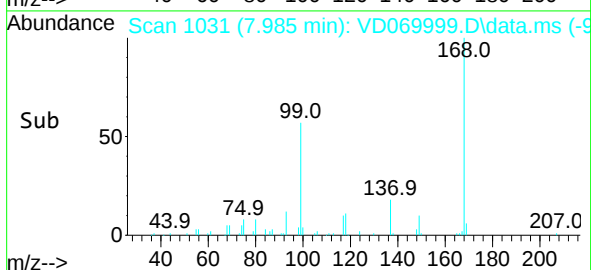
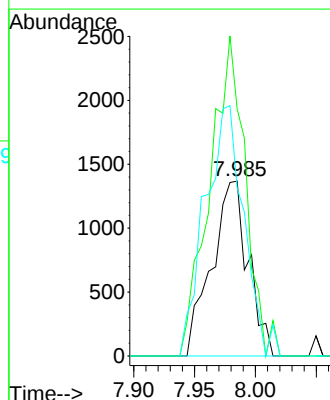
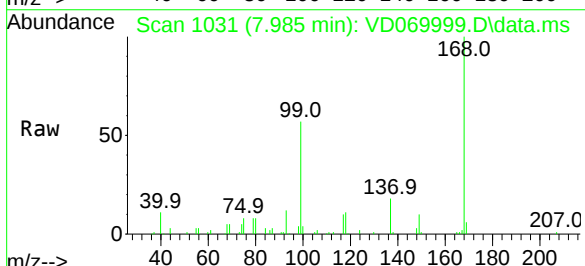
Tgt Ion: 56 Resp: 2858

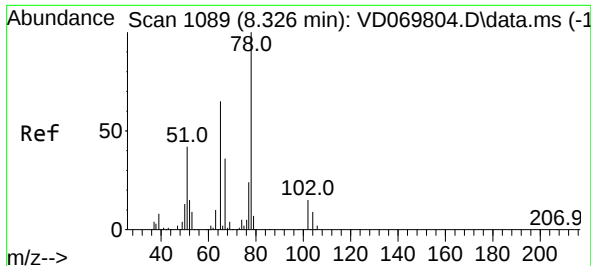
Ion Ratio Lower Upper

56 100

69 141.3 27.9 41.9#

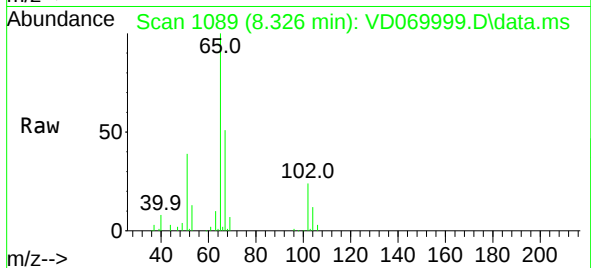
84 96.0 71.4 107.2



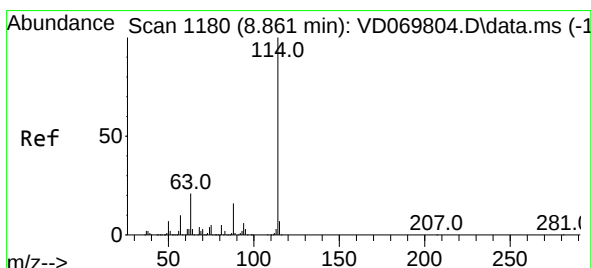
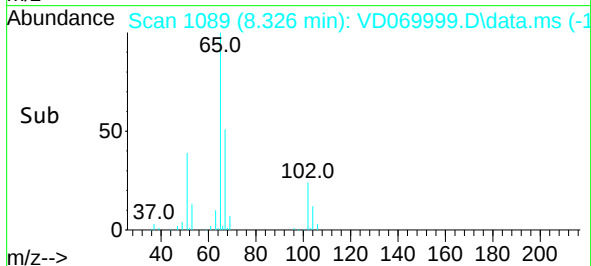
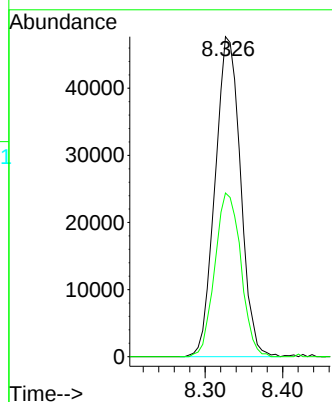


#33
1,2-Dichloroethane-d4
Concen: 90.486 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

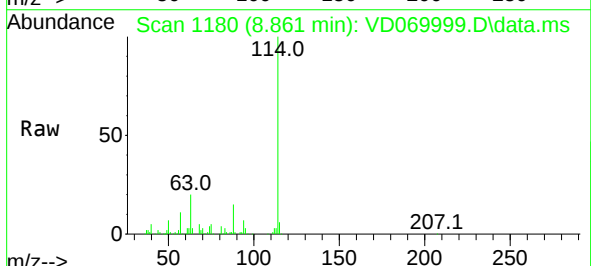
Instrument :
MSVOA_D
ClientSampled :



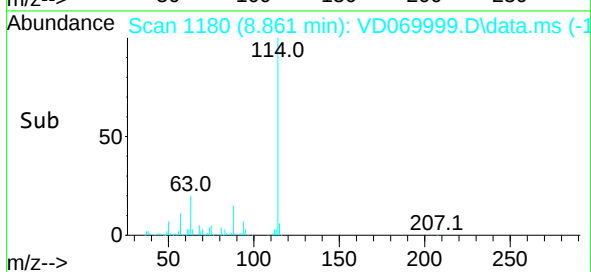
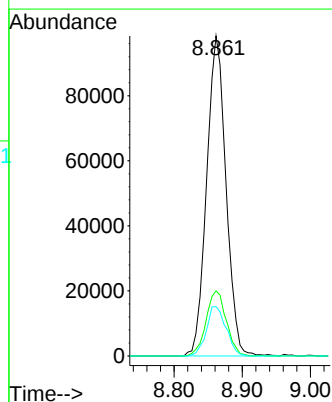
Tgt Ion: 65 Resp: 108664
Ion Ratio Lower Upper
65 100
67 52.3 0.0 111.2

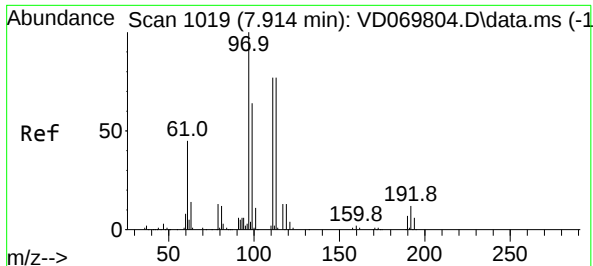


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29



Tgt Ion: 114 Resp: 194356
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 65.207 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069999.D

Acq: 09 Aug 2021 16:29

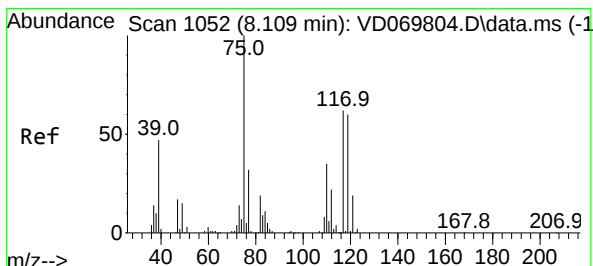
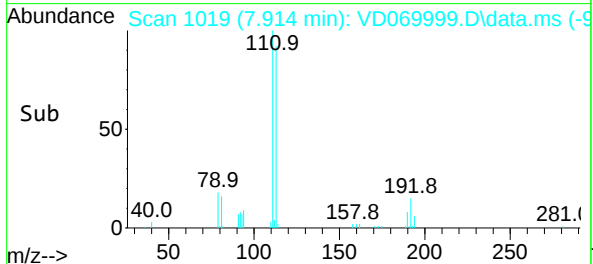
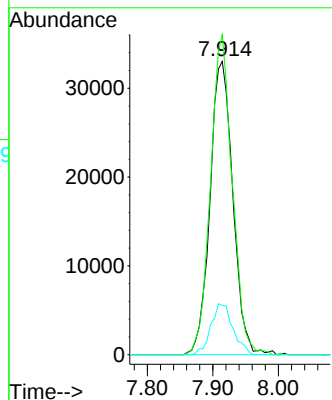
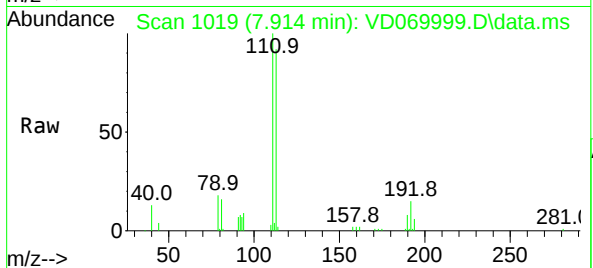
Tgt Ion:113 Resp: 79893

Ion Ratio Lower Upper

113 100

111 104.1 80.5 120.7

192 16.7 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.383 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069999.D

Acq: 09 Aug 2021 16:29

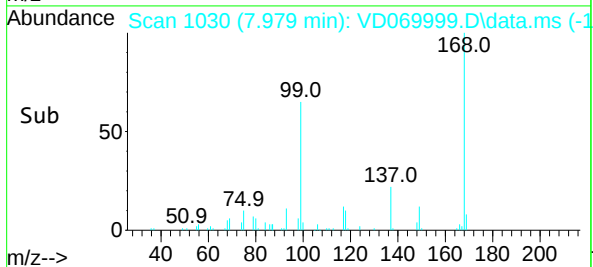
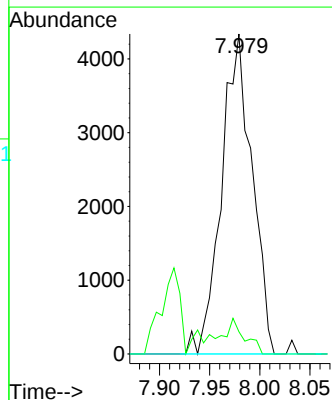
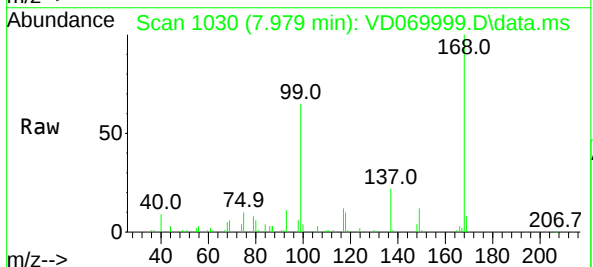
Tgt Ion: 75 Resp: 9192

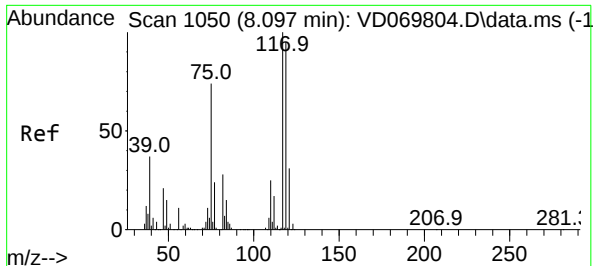
Ion Ratio Lower Upper

75 100

110 7.0 16.9 50.7#

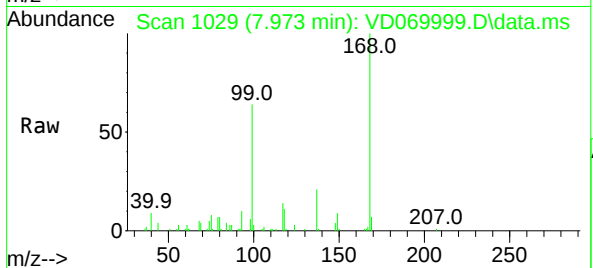
77 0.0 24.9 37.3#



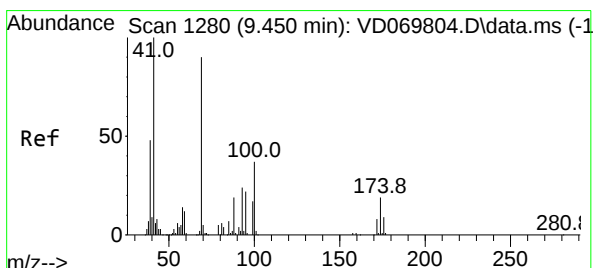
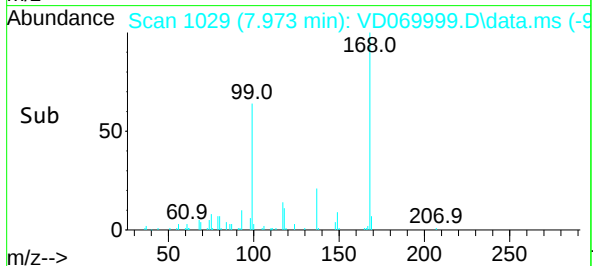
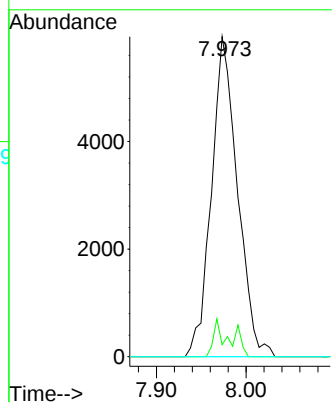


#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Instrument :
MSVOA_D
ClientSampleId :

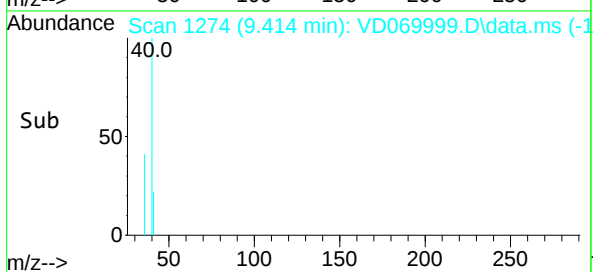
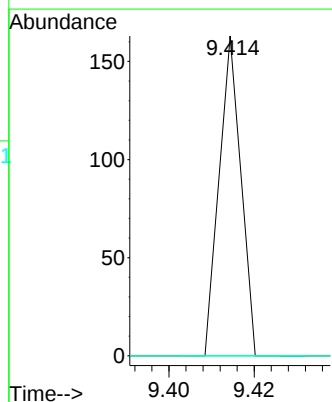
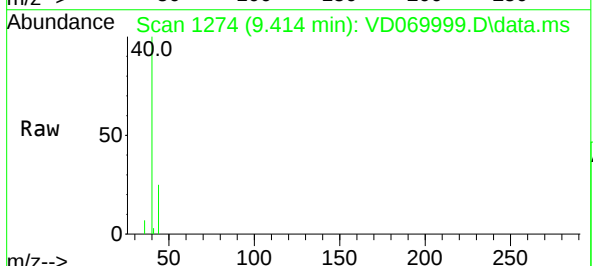


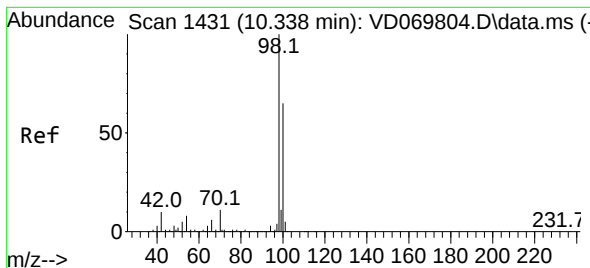
Tgt Ion:117 Resp: 11991
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.821 ug/l
RT: 9.414 min Scan# 1274
Delta R.T. -0.036 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

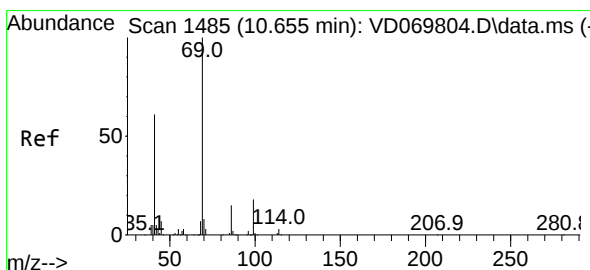
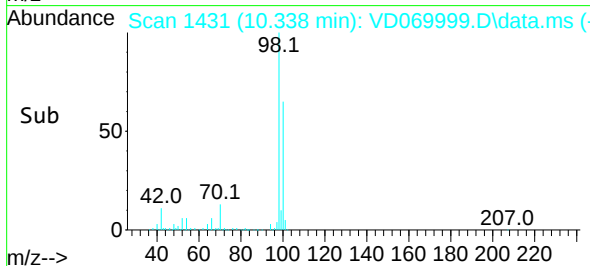
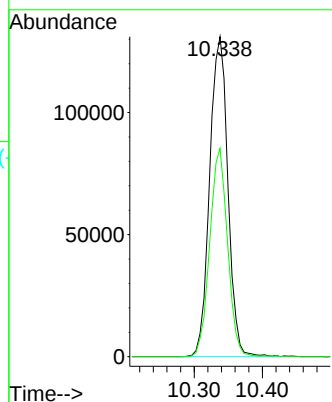
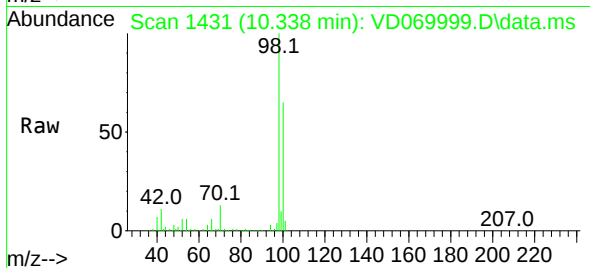




#50
Toluene-d8
Concen: 51.584 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

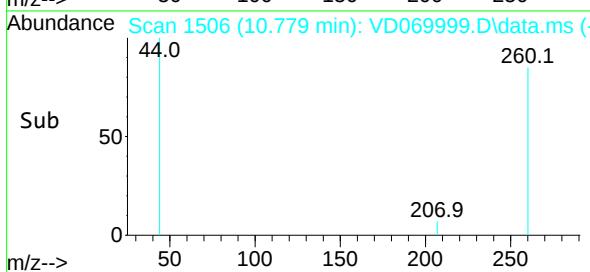
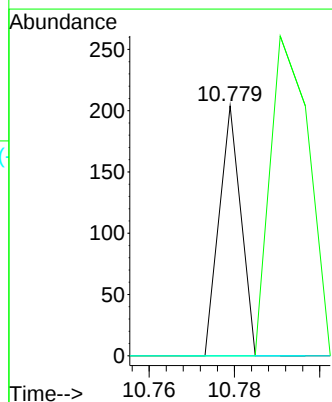
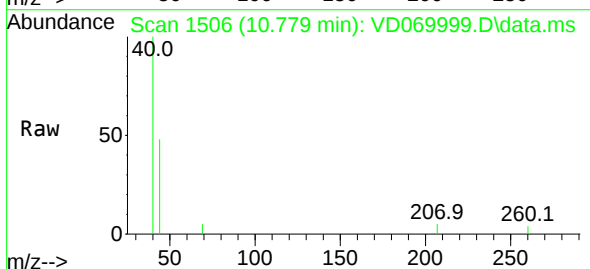
Instrument :
MSVOA_D
ClientSampled :

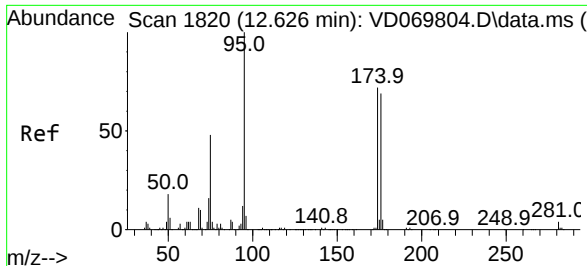
Tgt Ion: 98 Resp: 243703
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.944 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. 0.124 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 227.8 50.2 75.2#
39 0.0 22.0 33.0#

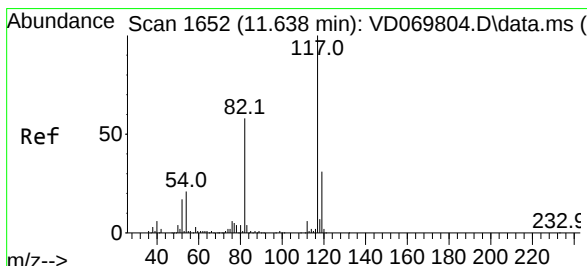
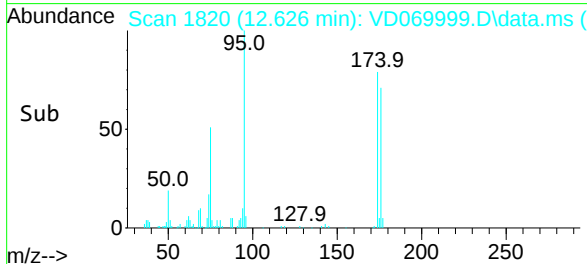
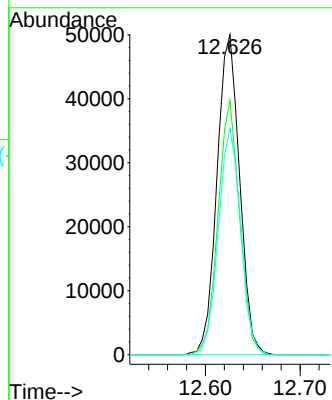
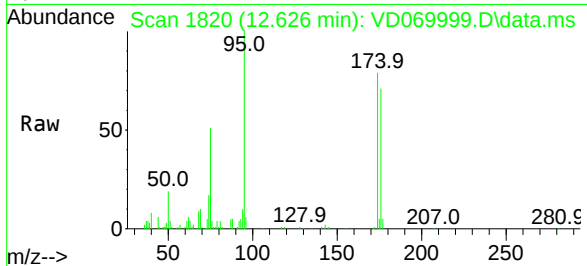




#62
4-Bromofluorobenzene
Concen: 52.701 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

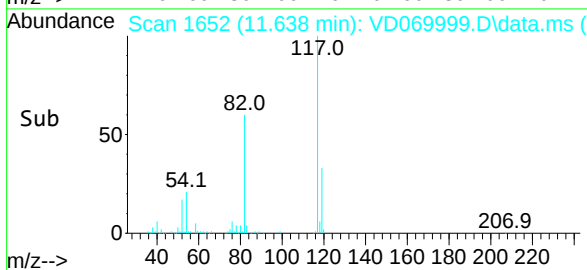
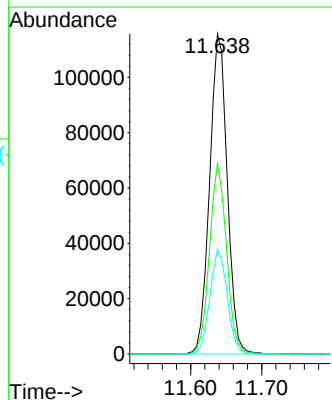
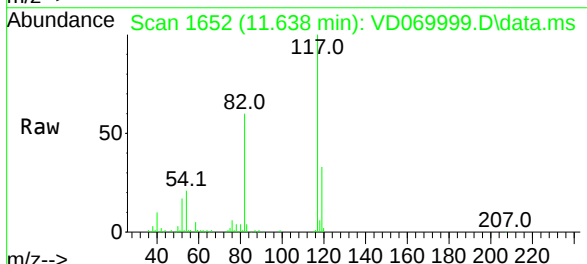
Instrument :
MSVOA_D
ClientSampleId :

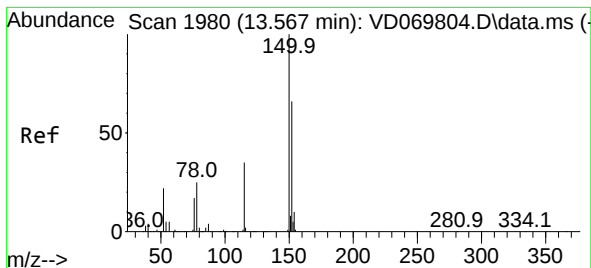
Tgt Ion: 95 Resp: 83209
Ion Ratio Lower Upper
95 100
174 75.7 0.0 142.6
176 69.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion: 117 Resp: 199074
Ion Ratio Lower Upper
117 100
82 59.5 46.3 69.5
119 32.7 24.7 37.1

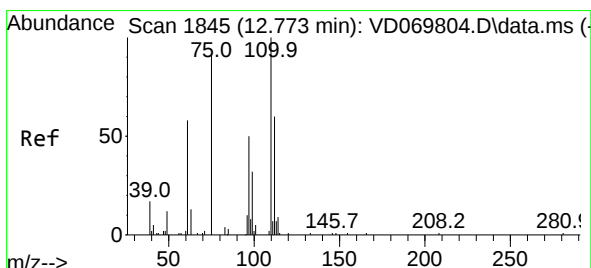
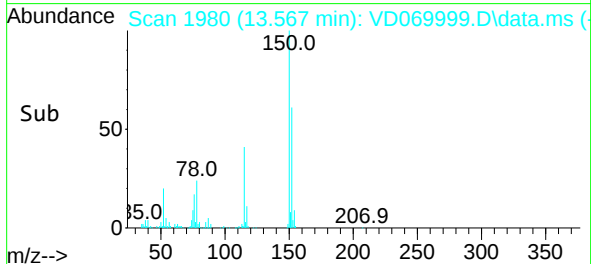
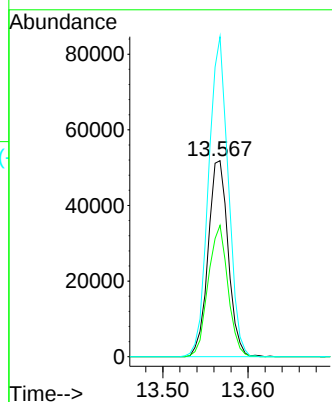
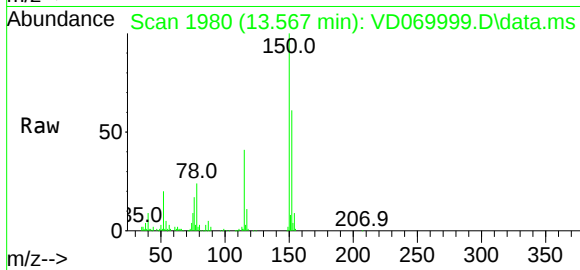




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069999.D
 Acq: 09 Aug 2021 16:29

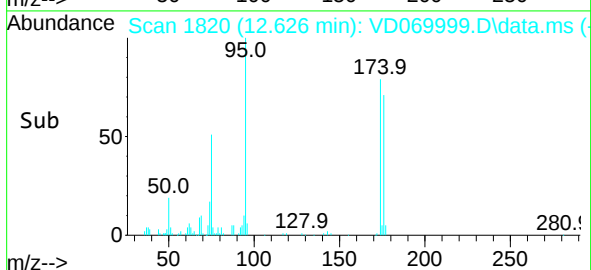
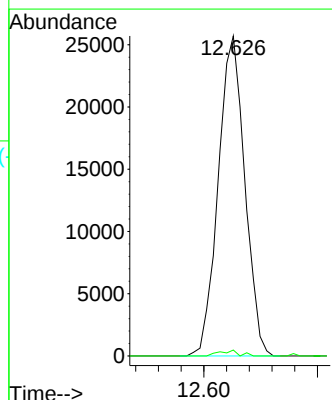
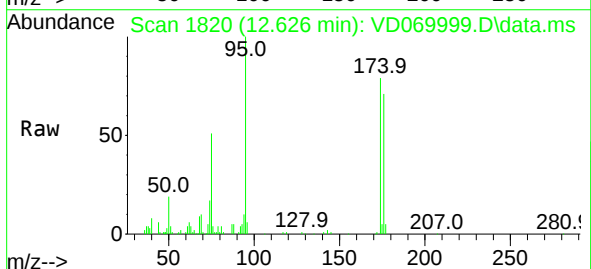
Instrument :
 MSVOA_D
 ClientSampled :

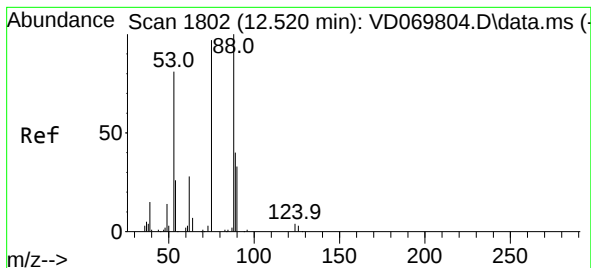
Tgt Ion:152 Resp: 84627
 Ion Ratio Lower Upper
 152 100
 115 66.0 31.1 93.3
 150 160.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 46.406 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069999.D
 Acq: 09 Aug 2021 16:29

Tgt Ion: 75 Resp: 41743
 Ion Ratio Lower Upper
 75 100
 77 1.3 181.5 544.5#

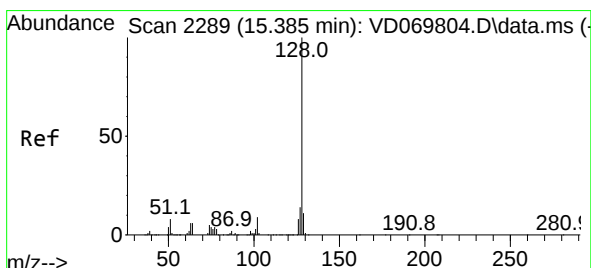
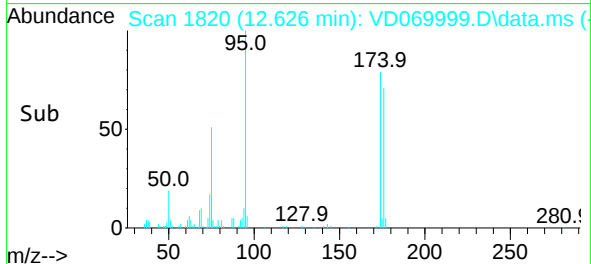
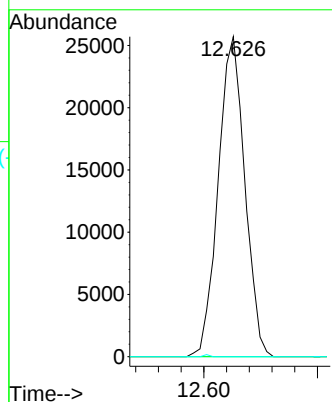
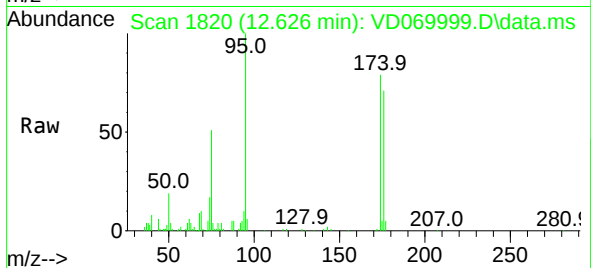




#81
trans-1,4-Dichloro-2-butene
Concen: 140.783 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 41743
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.252 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069999.D
Acq: 09 Aug 2021 16:29

Tgt Ion: 128 Resp: 778
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

