

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069952.D
 Acq On : 02 Aug 2021 13:16
 Operator : VA/SY
 Sample : M3253-03
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 03 02:56:17 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)

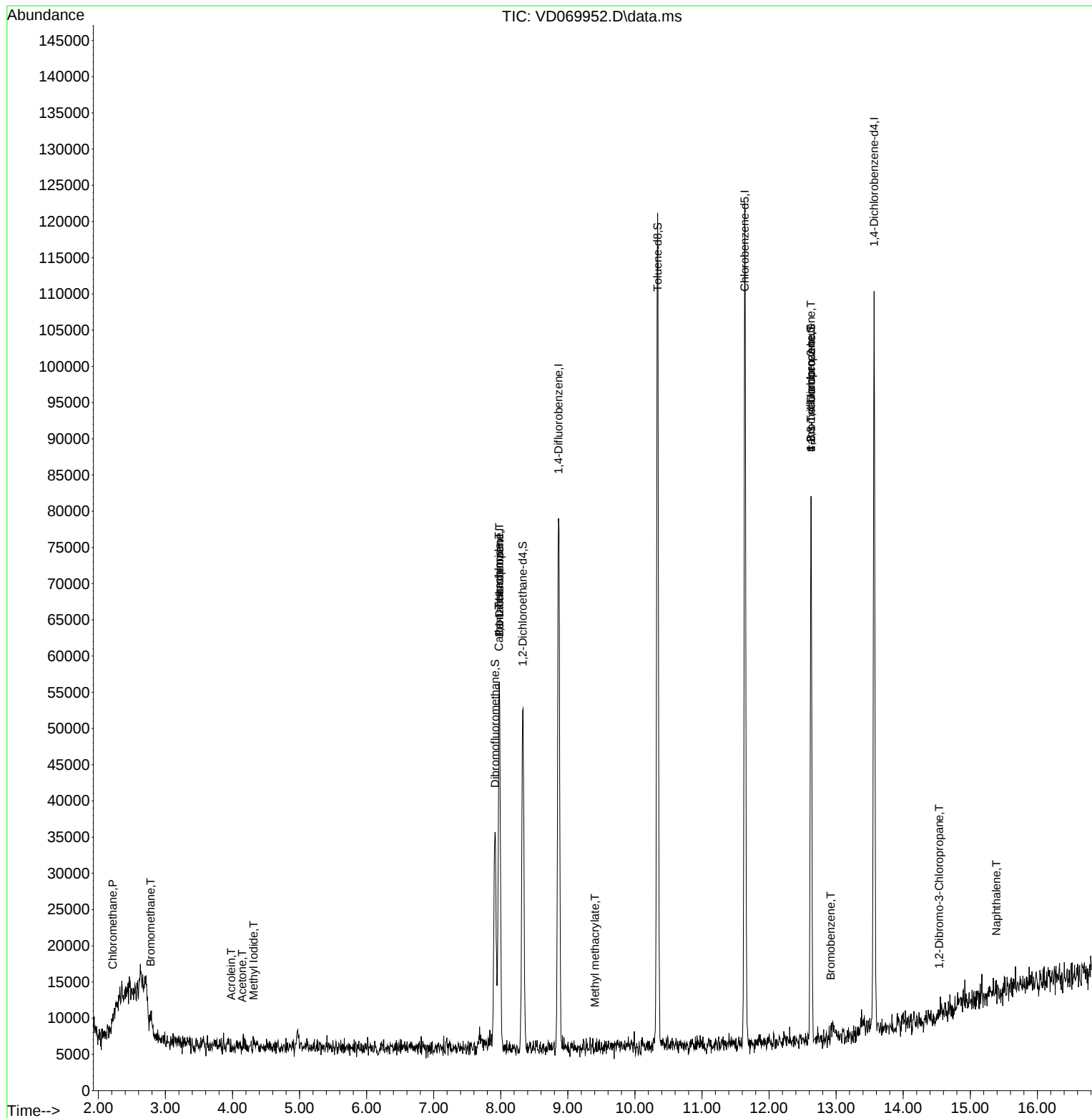
Internal Standards						
1) Pentafluorobenzene	7.979	168	35766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	64529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	66738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	27690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36658	89.118	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.240%#			
35) Dibromofluoromethane	7.914	113	23004	56.550	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.100%			
50) Toluene-d8	10.338	98	81066	51.682	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.626	95	26220	50.017	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.040%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	779	1.427	ug/l #	75
5) Bromomethane	2.779	94	1880	3.780	ug/l	96
10) Methyl Iodide	4.314	142	807	5.152	ug/l #	76
13) Acrolein	3.979	56	62	2.081	ug/l #	14
16) Acetone	4.144	43	237	3.189	ug/l #	38
20) Methylene Chloride	4.967	84	1535	Below Cal	#	57
36) 1,1-Dichloropropene	7.979	75	3361	4.826	ug/l #	44
38) Carbon Tetrachloride	7.973	117	3499	5.501	ug/l #	12
48) Methyl methacrylate	9.402	41	150	3.332	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	12238	41.580	ug/l #	1
77) Bromobenzene	12.920	156	642	1.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	12238	126.143	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.537	75	85	1.486	ug/l #	7
95) Naphthalene	15.390	128	215	5.212	ug/l #	69

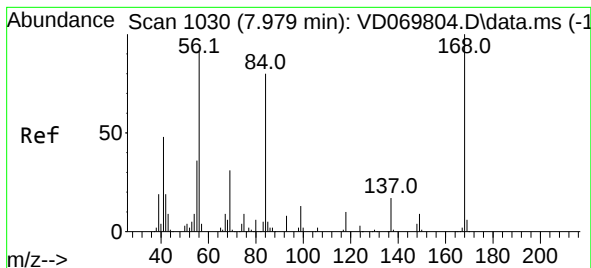
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069952.D

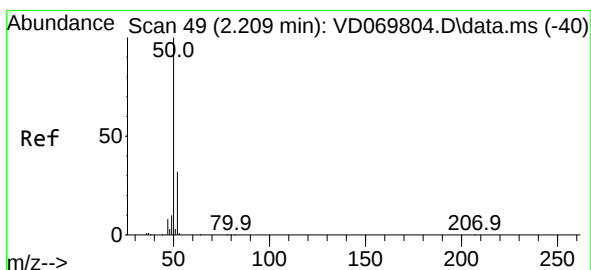
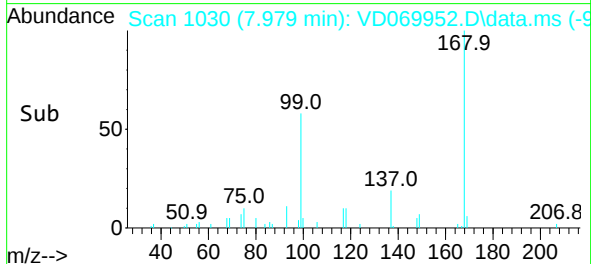
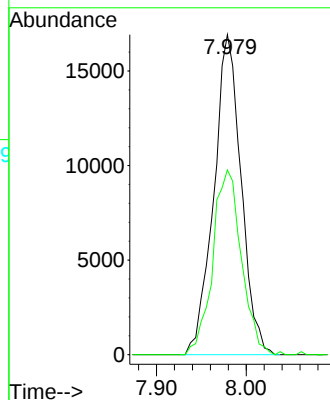
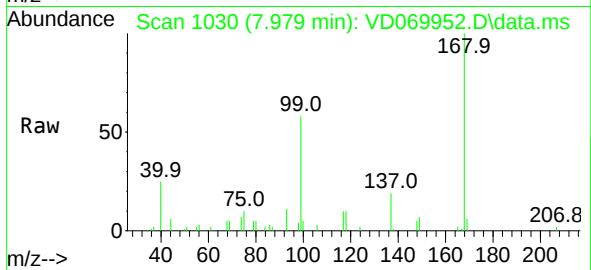
Acq: 02 Aug 2021 13:16

Tgt Ion:168 Resp: 35766

Ion Ratio Lower Upper

168 100

99 57.7 51.1 76.7



#3

Chloromethane

Concen: 1.427 ug/l

RT: 2.215 min Scan# 50

Delta R.T. 0.006 min

Lab File: VD069952.D

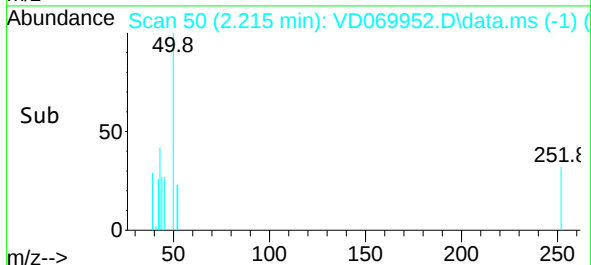
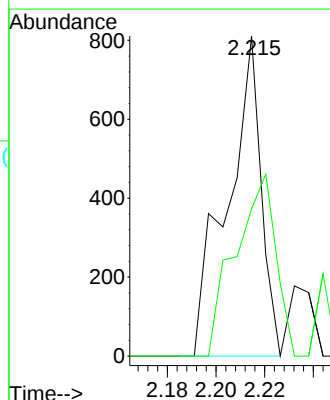
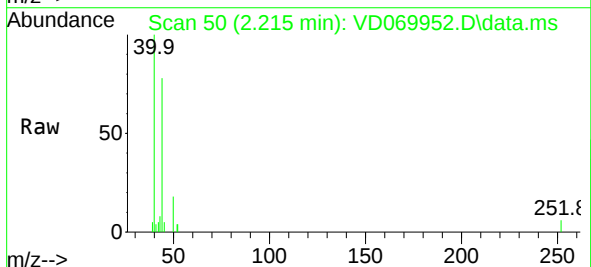
Acq: 02 Aug 2021 13:16

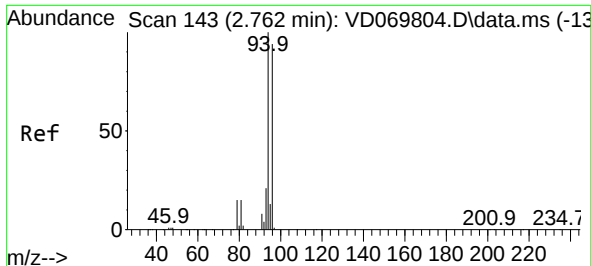
Tgt Ion: 50 Resp: 779

Ion Ratio Lower Upper

50 100

52 46.0 25.7 38.5#

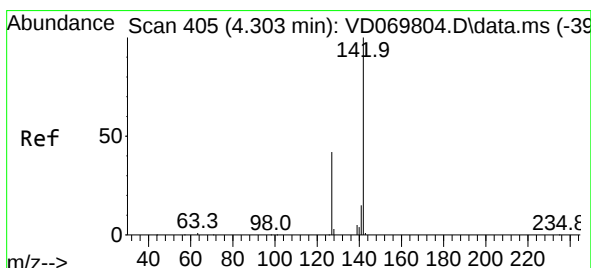
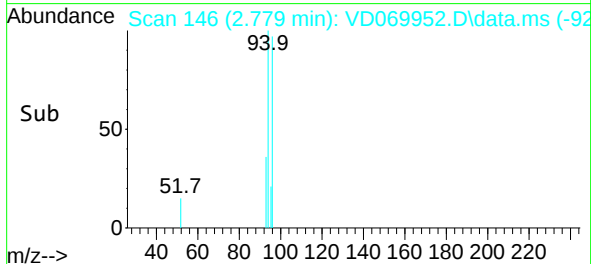
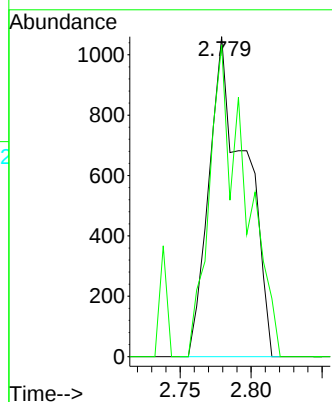
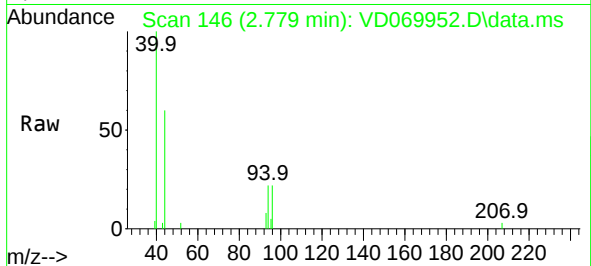




#5
Bromomethane
Concen: 3.780 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

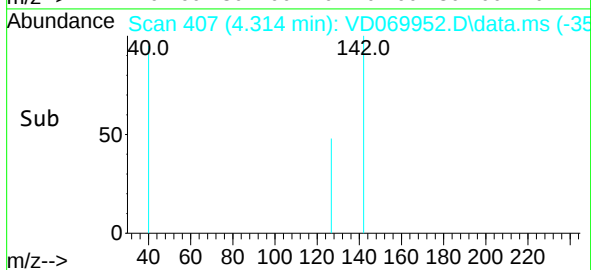
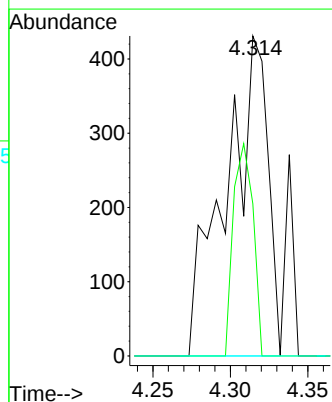
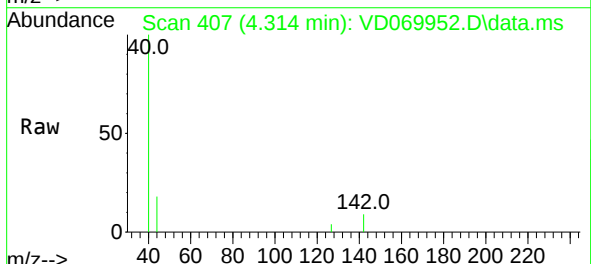
Instrument :
MSVOA_D
ClientSampled :

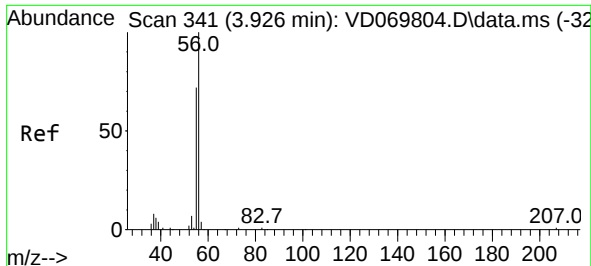
Tgt Ion: 94 Resp: 1880
Ion Ratio Lower Upper
94 100
96 97.5 74.8 112.2



#10
Methyl Iodide
Concen: 5.152 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion:142 Resp: 807
Ion Ratio Lower Upper
142 100
127 31.5 35.7 53.5#
141 0.0 12.0 18.0#

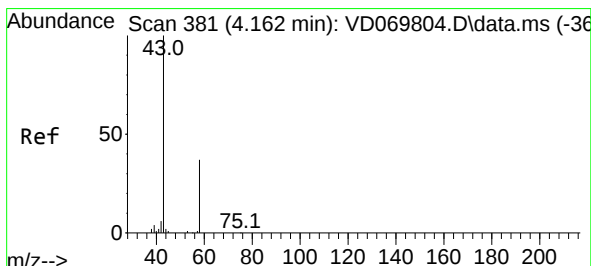
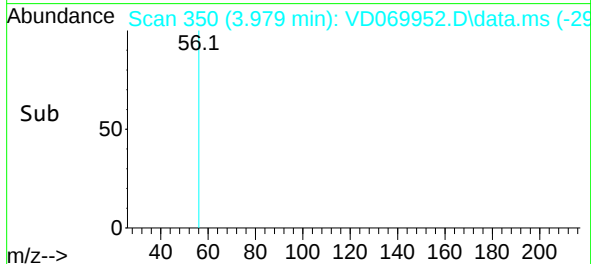
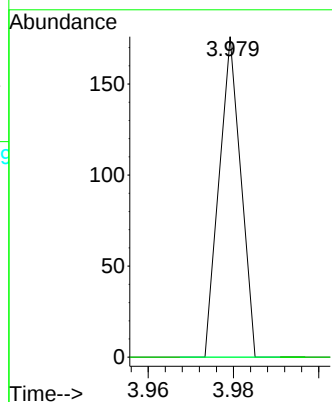
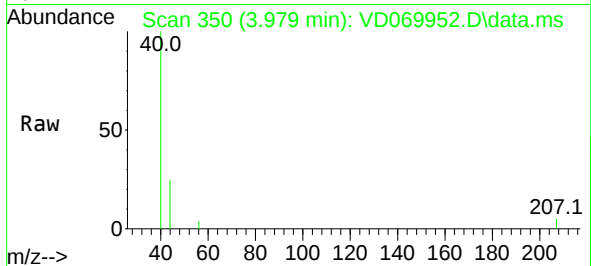




#13
Acrolein
Concen: 2.081 ug/l
RT: 3.979 min Scan# 350
Delta R.T. 0.053 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

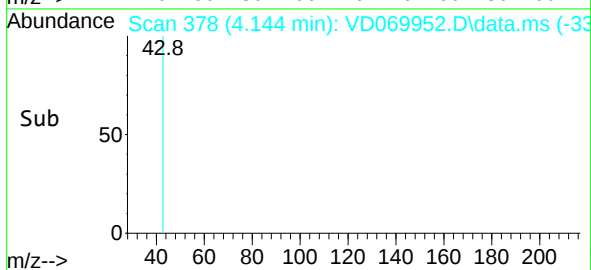
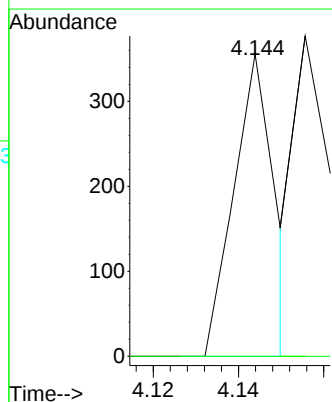
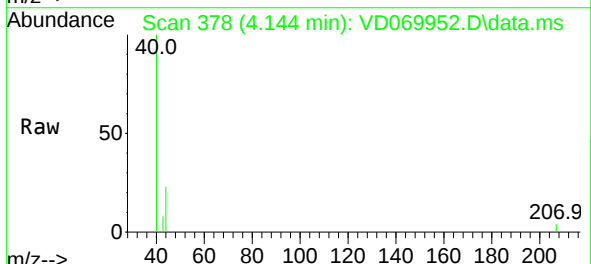
Instrument :
MSVOA_D
ClientSampleId :

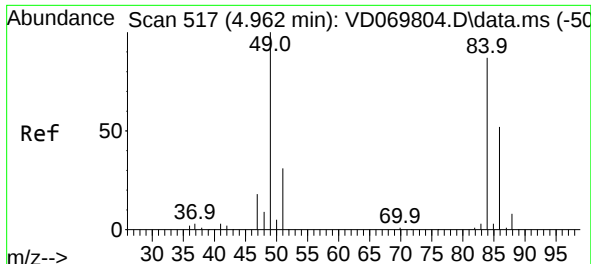
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 3.189 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.018 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

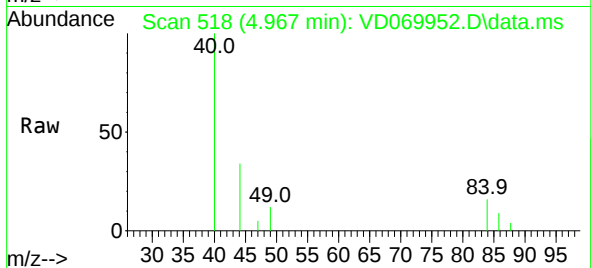
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



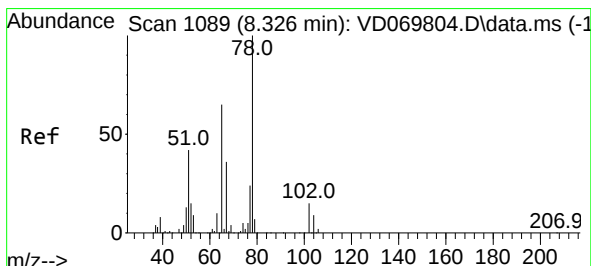
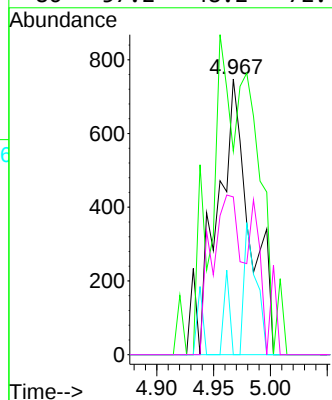
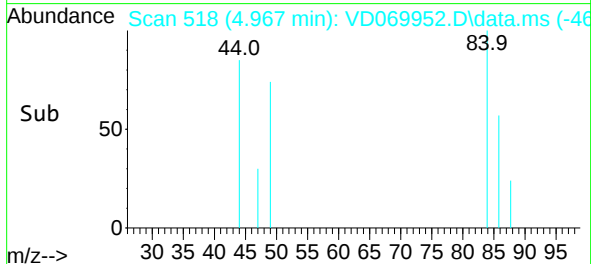


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

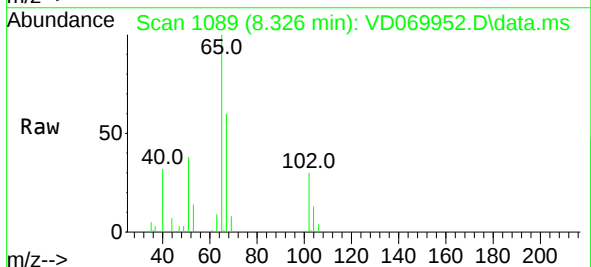
Instrument :
MSVOA_D
ClientSampleId :



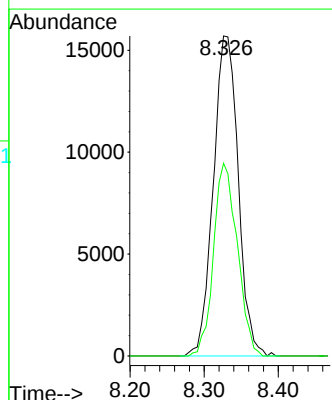
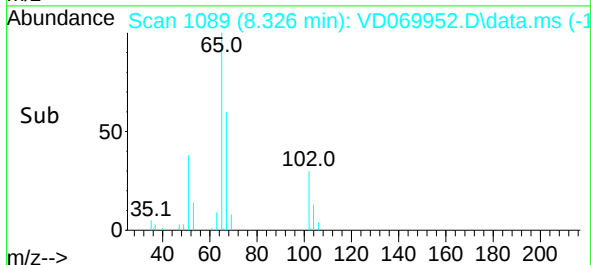
Tgt Ion: 84 Resp: 1535
Ion Ratio Lower Upper
84 100
49 52.3 92.4 138.6#
51 0.0 28.5 42.7#
86 57.2 48.2 72.4

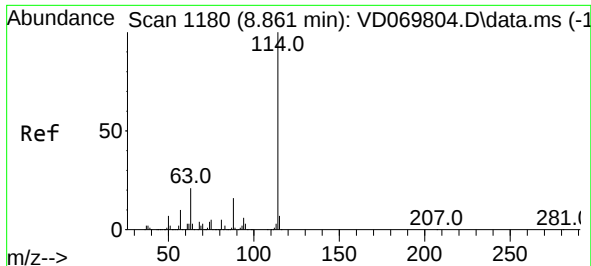


#33
1,2-Dichloroethane-d4
Concen: 89.118 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16



Tgt Ion: 65 Resp: 36658
Ion Ratio Lower Upper
65 100
67 57.4 0.0 111.2

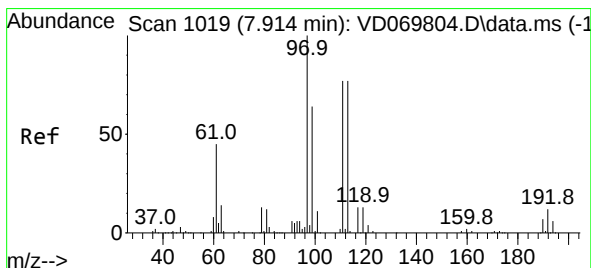
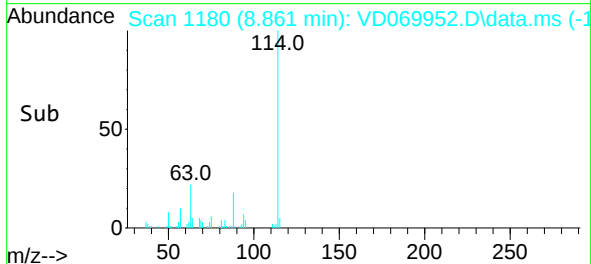
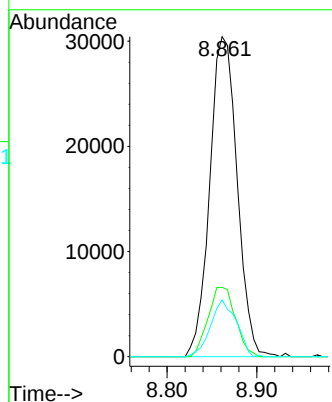
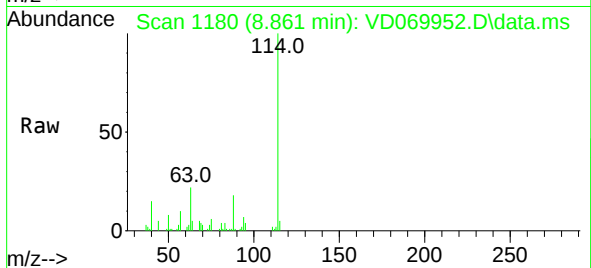




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

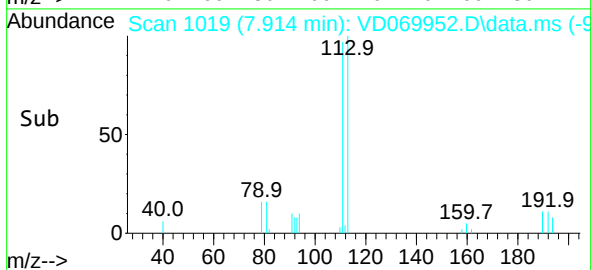
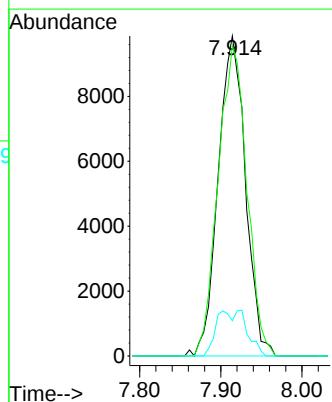
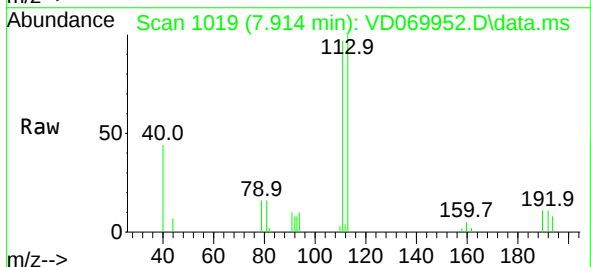
Instrument :
MSVOA_D
ClientSampled :

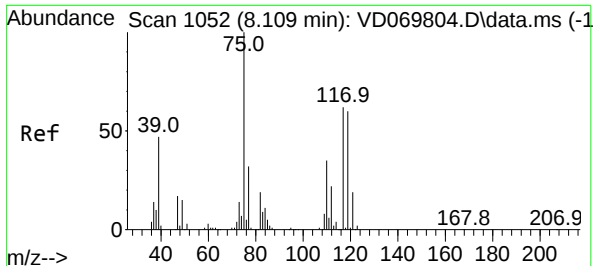
Tgt Ion:	114	Resp:	64529
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	41.6
88	17.7	0.0	31.4



#35
Dibromofluoromethane
Concen: 56.550 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion:	113	Resp:	23004
Ion Ratio	Lower	Upper	
113	100		
111	102.5	80.5	120.7
192	8.9	12.6	19.0#

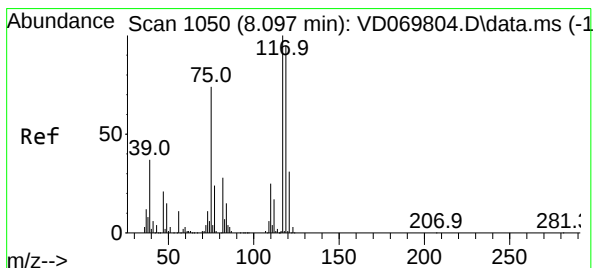
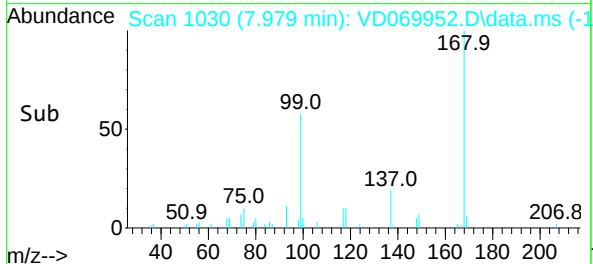
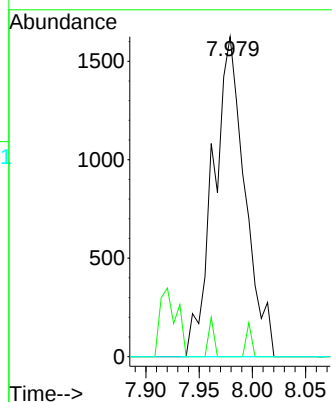
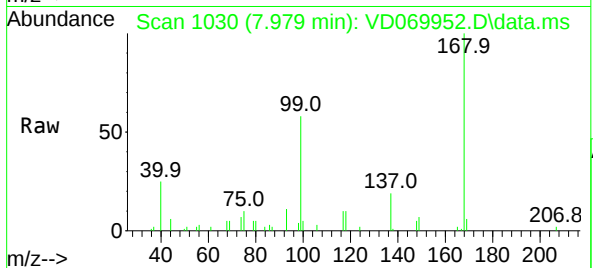




#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

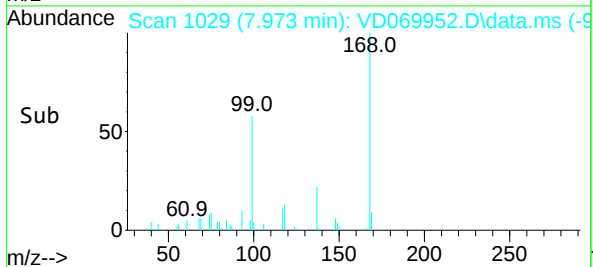
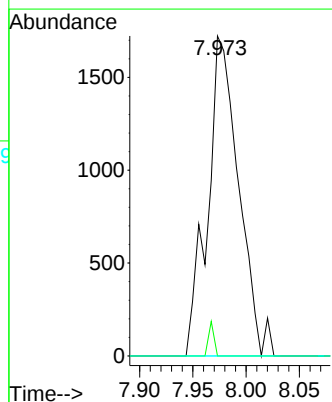
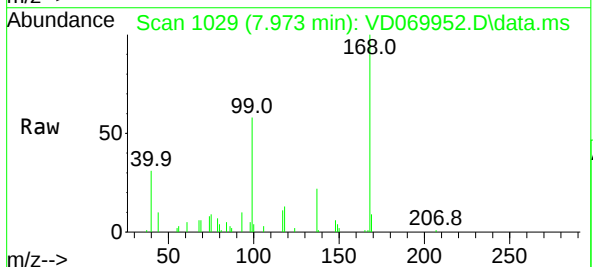
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3361
Ion Ratio Lower Upper
75 100
110 1.8 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion: 117 Resp: 3499
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#

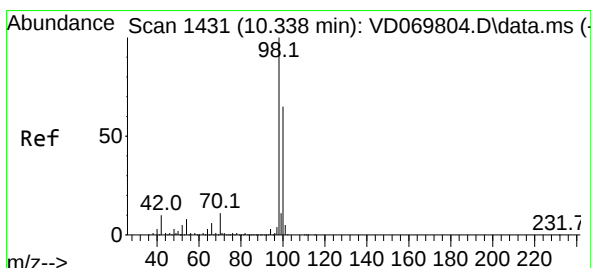
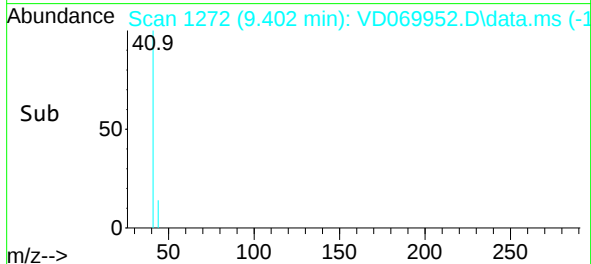
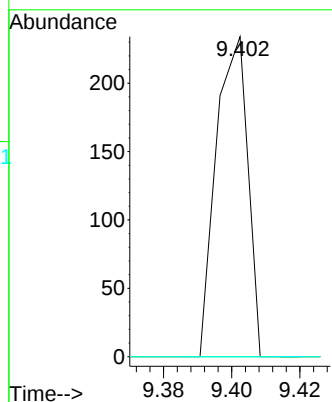
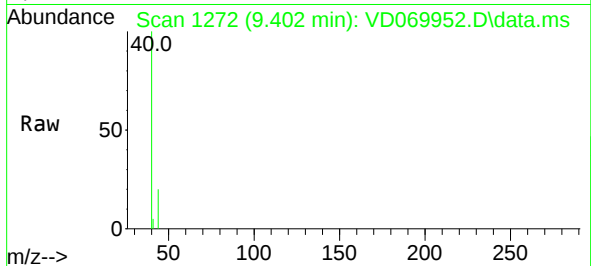




#48
Methyl methacrylate
Concen: 3.332 ug/l
RT: 9.402 min Scan# 1272
Delta R.T. -0.048 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

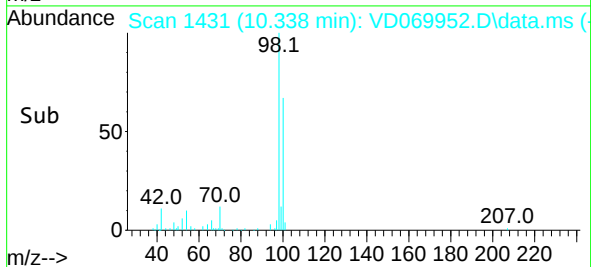
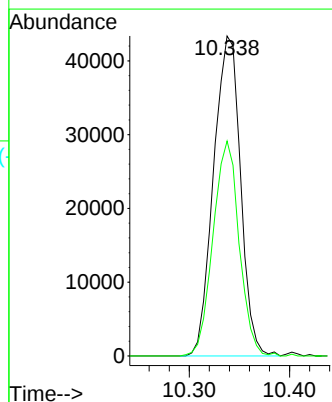
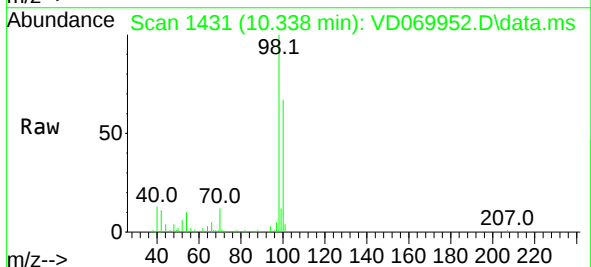
Instrument :
MSVOA_D
ClientSampled :

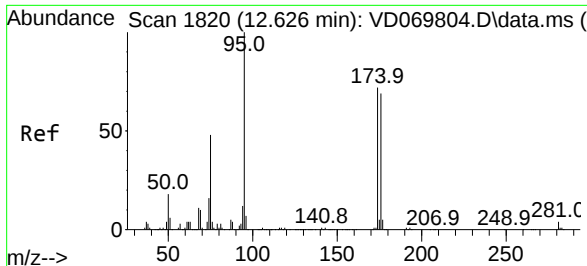
Tgt Ion: 41 Resp: 150
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.682 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion: 98 Resp: 81066
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

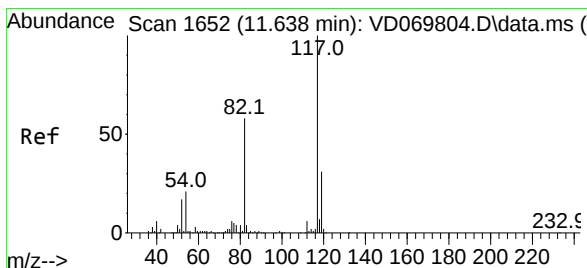
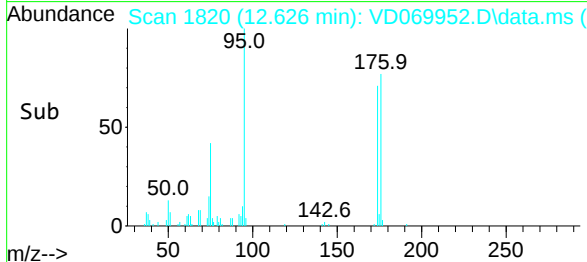
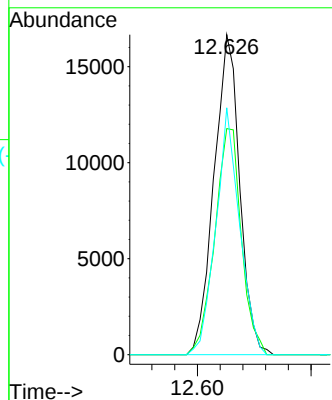
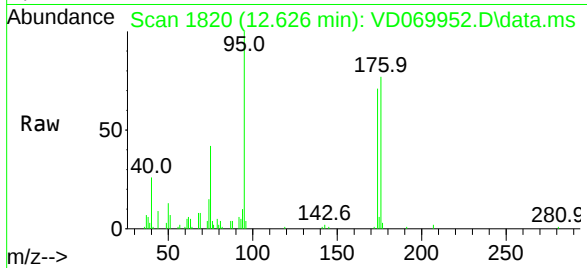




#62
4-Bromofluorobenzene
Concen: 50.017 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

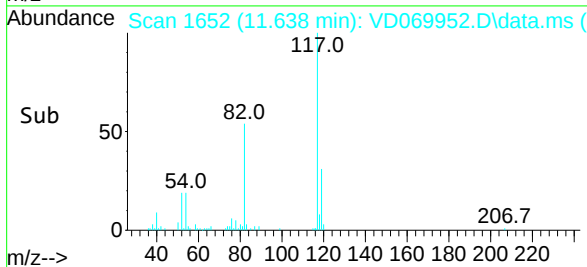
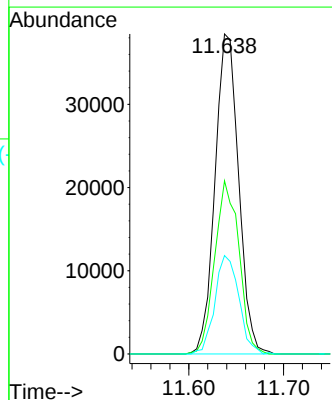
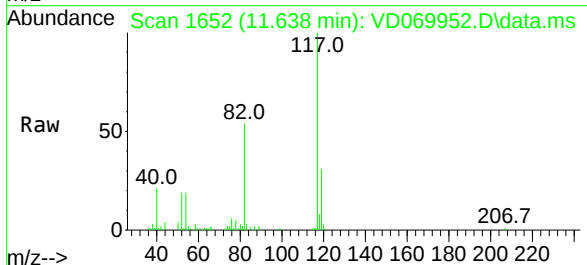
Instrument :
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ClientSampleId :

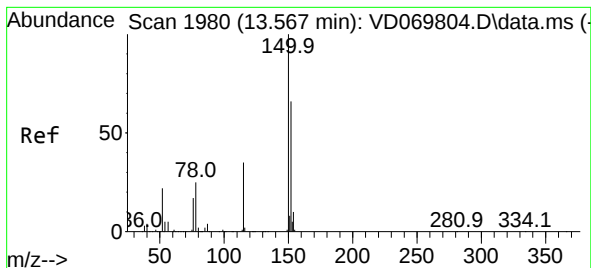
Tgt Ion: 95 Resp: 26220
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 71.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion: 117 Resp: 66738
Ion Ratio Lower Upper
117 100
82 54.1 46.3 69.5
119 30.8 24.7 37.1

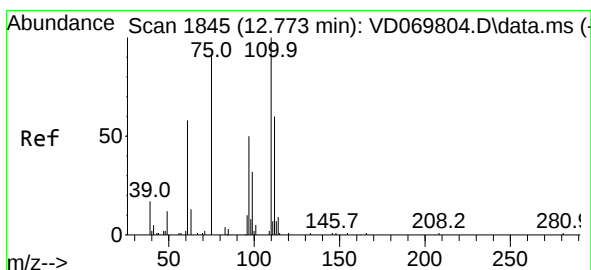
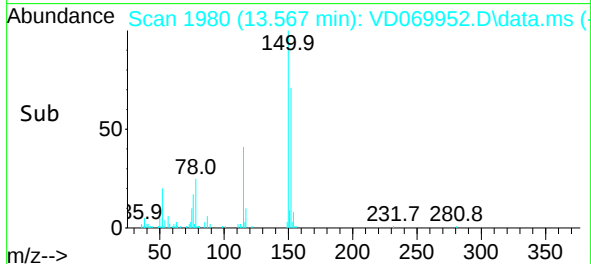
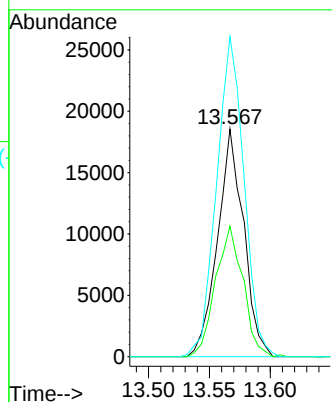
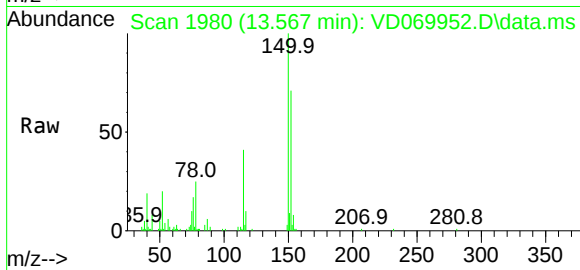




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069952.D
 Acq: 02 Aug 2021 13:16

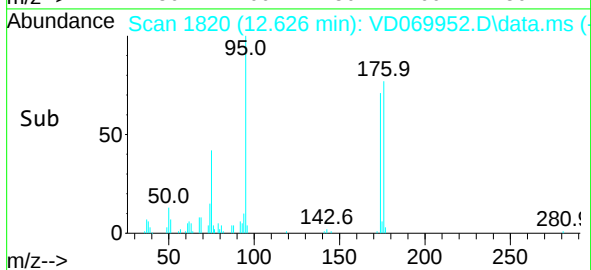
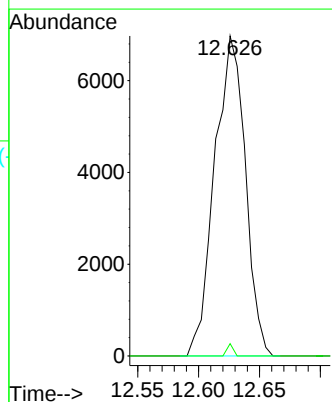
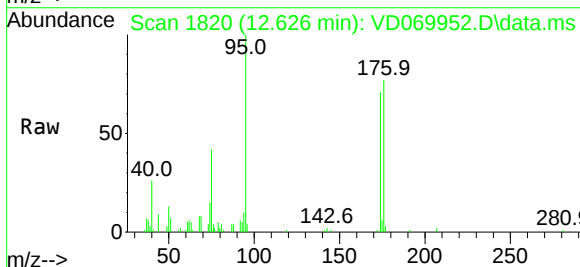
Instrument :
 MSVOA_D
 ClientSampleId :

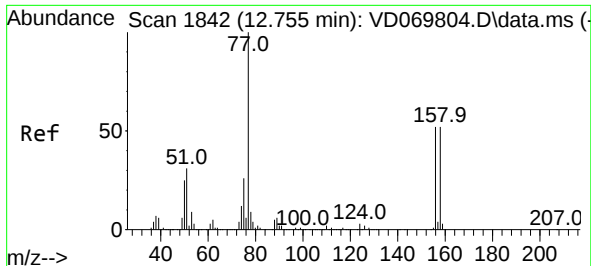
Tgt Ion:152 Resp: 27690
 Ion Ratio Lower Upper
 152 100
 115 60.4 31.1 93.3
 150 147.7 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.580 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069952.D
 Acq: 02 Aug 2021 13:16

Tgt Ion: 75 Resp: 12238
 Ion Ratio Lower Upper
 75 100
 77 0.8 181.5 544.5#

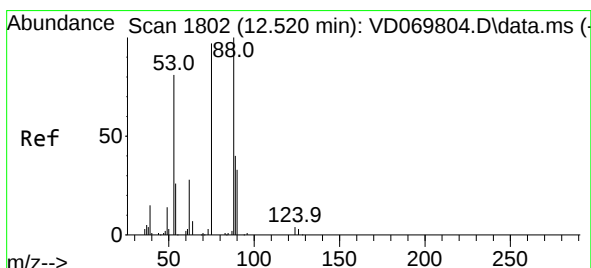
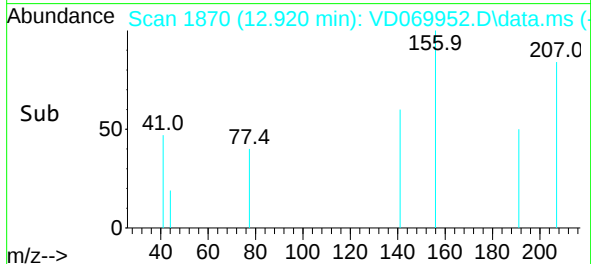
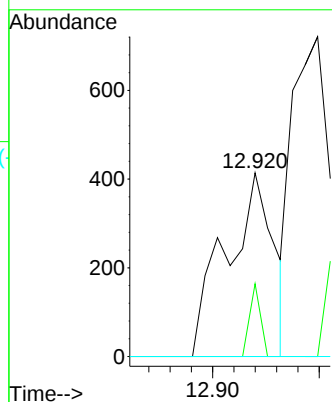
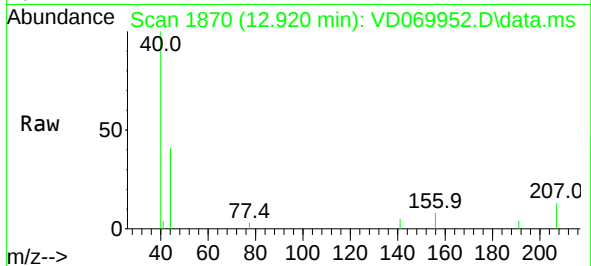




#77
Bromobenzene
Concen: 1.433 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.165 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

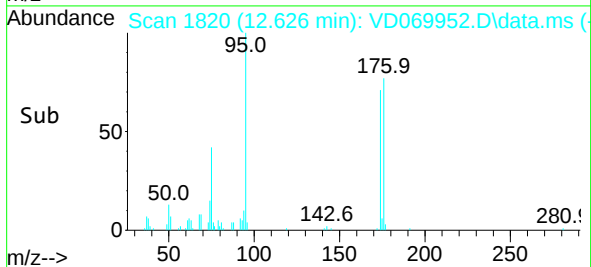
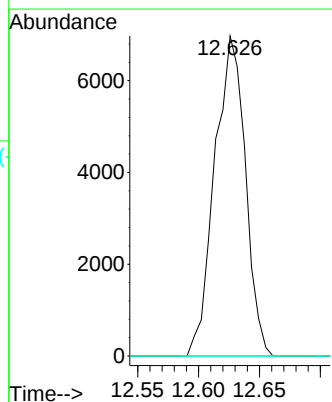
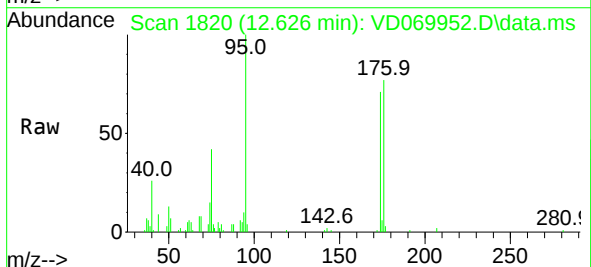
Instrument :
MSVOA_D
ClientSampleId :

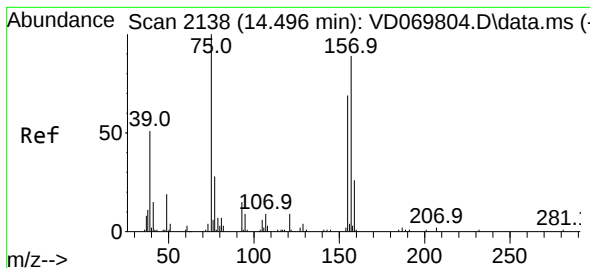
Tgt Ion:156 Resp: 642
Ion Ratio Lower Upper
156 100
77 9.0 107.1 321.3#
158 0.0 48.1 144.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.143 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion: 75 Resp: 12238
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#

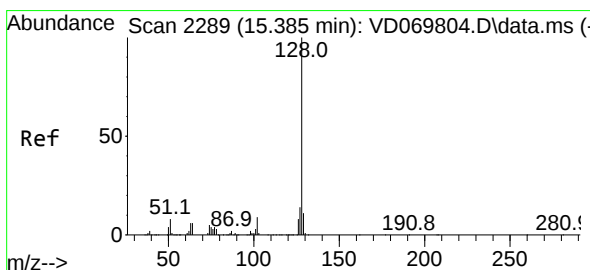
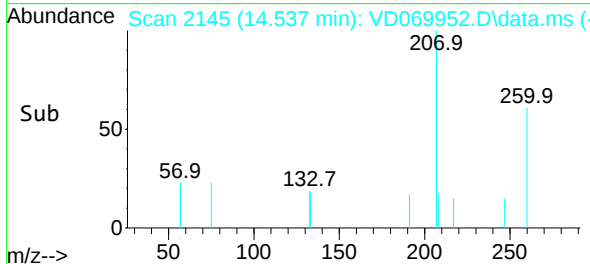
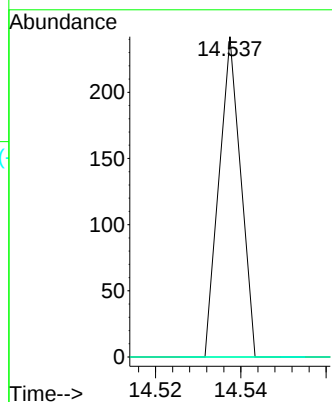
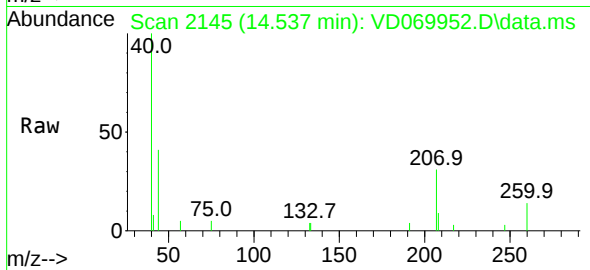




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.486 ug/l
RT: 14.537 min Scan# 2145
Delta R.T. 0.041 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 85
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.212 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069952.D
Acq: 02 Aug 2021 13:16

Tgt Ion: 128 Resp: 215
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

