

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069856.D
 Acq On : 26 Jul 2021 19:13
 Operator : VA/SY
 Sample : M3118-03
 Misc : 5.09G/5.00ml/MSVOA_D/soil
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:13:29 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)

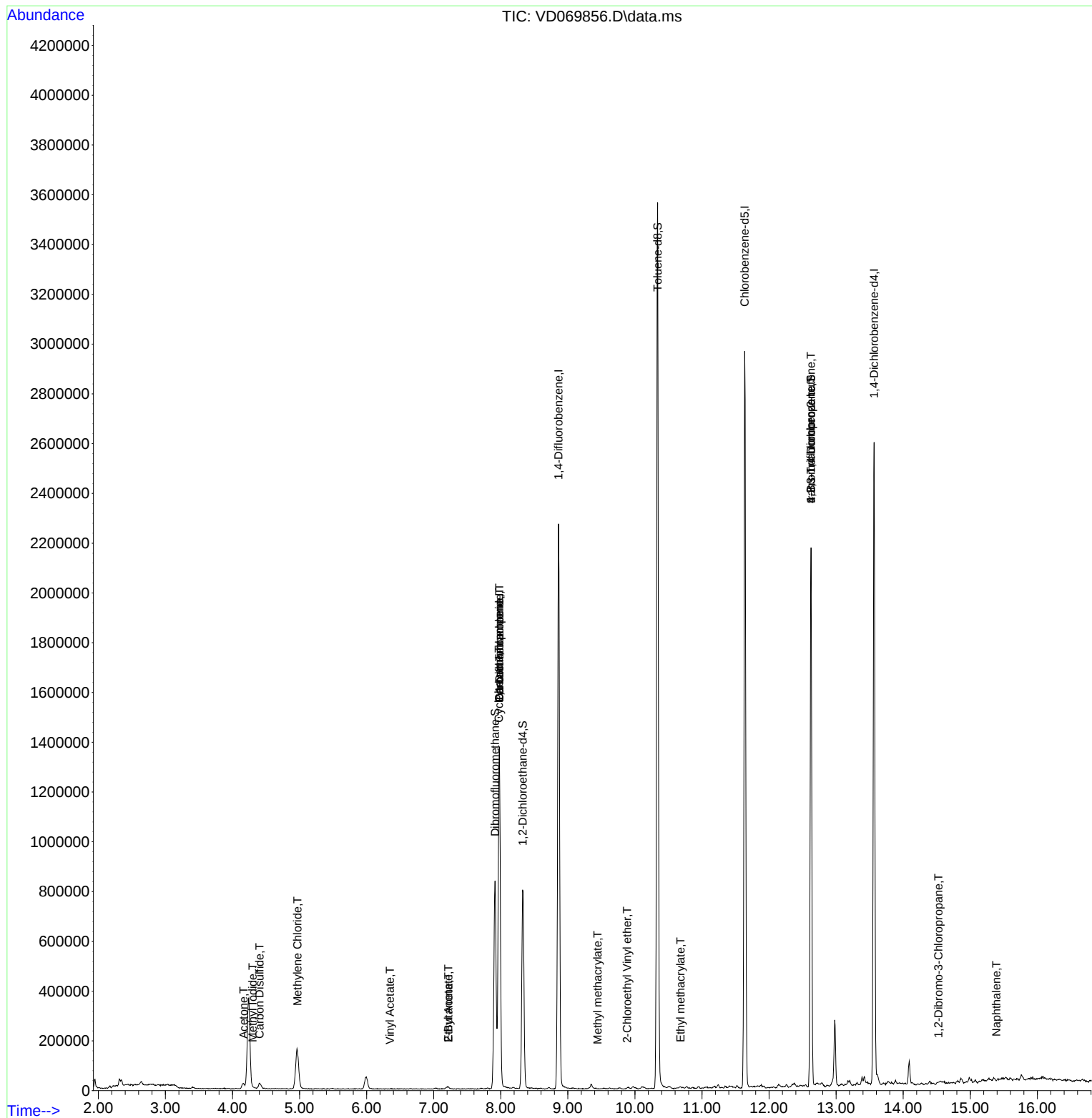
Internal Standards						
1) Pentafluorobenzene	7.979	168	975830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1918427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1719955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	684069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	643860	57.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.740%			
35) Dibromofluoromethane	7.914	113	614295	50.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.338	98	2419431	51.883	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.626	95	750462	48.153	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.300%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2841	Below Cal	#	54
10) Methyl Iodide	4.303	142	1771	3.598	ug/l #	71
16) Acetone	4.167	43	41012	20.229	ug/l	95
17) Carbon Disulfide	4.403	76	45730	1.146	ug/l	98
20) Methylene Chloride	4.967	84	134970	3.288	ug/l	93
23) Vinyl Acetate	6.350	43	264	20.362	ug/l #	71
25) 2-Butanone	7.220	43	9590	3.488	ug/l #	89
31) Cyclohexane	7.973	56	24210	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	86242	4.166	ug/l #	50
37) Ethyl Acetate	7.220	43	9590	1.272	ug/l #	67
38) Carbon Tetrachloride	7.979	117	108947	5.761	ug/l #	18
48) Methyl methacrylate	9.444	41	198	2.773	ug/l #	31
56) Ethyl methacrylate	10.679	69	755	3.947	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.885	63	65	20.880	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	373197	51.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	373197	155.709	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.526	75	1453	1.028	ug/l #	7
95) Naphthalene	15.390	128	1981	5.078	ug/l #	85

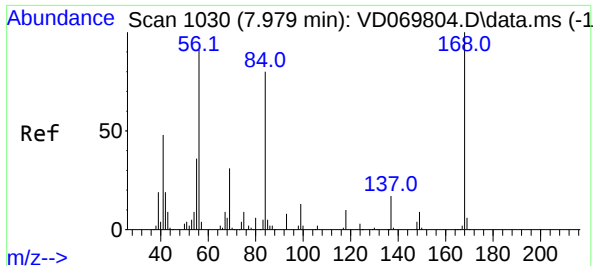
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

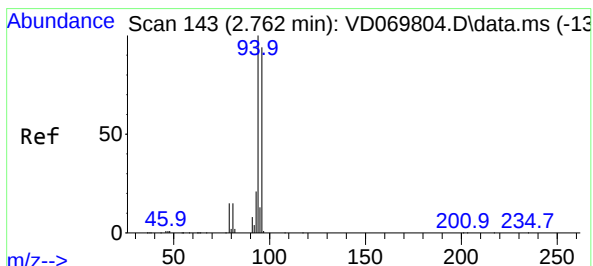
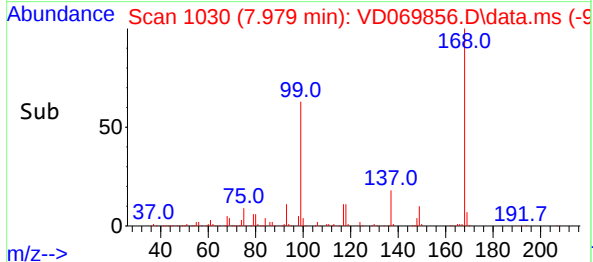
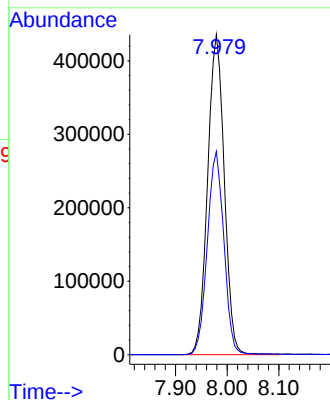
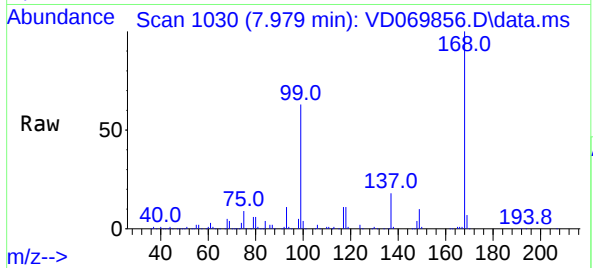




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

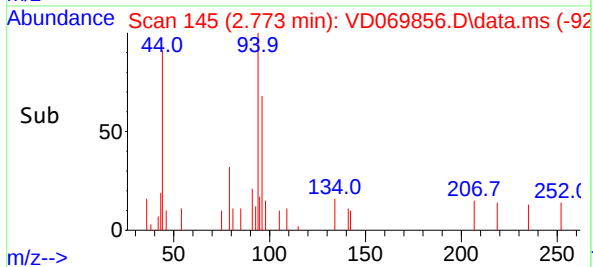
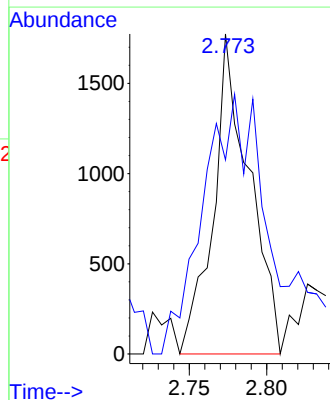
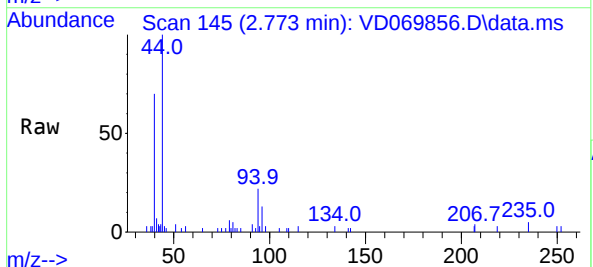
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MSVOA_D
ClientSampleId :

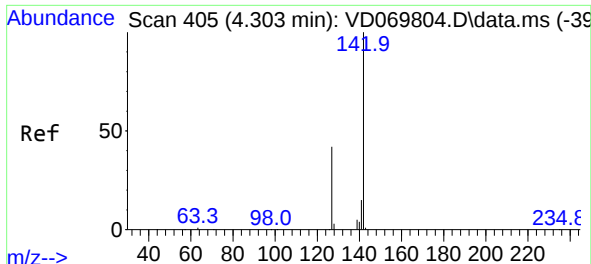
Tgt Ion:168 Resp: 975830
Ion Ratio Lower Upper
168 100
99 63.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 94 Resp: 2841
Ion Ratio Lower Upper
94 100
96 49.4 74.8 112.2#

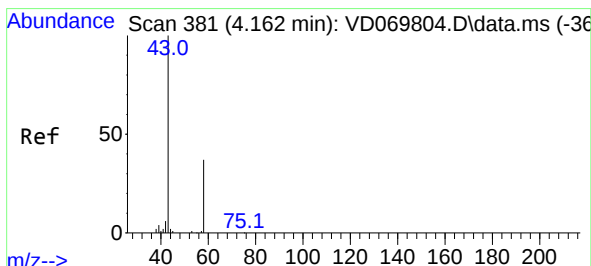
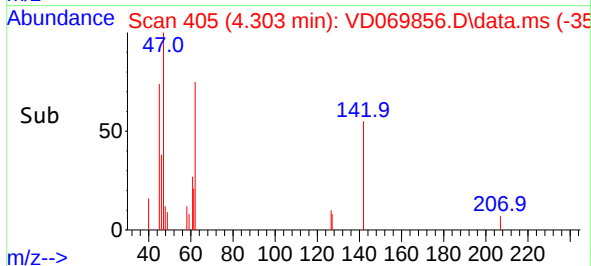
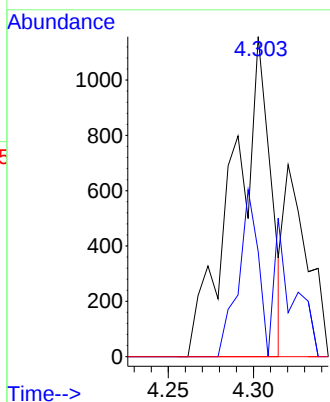
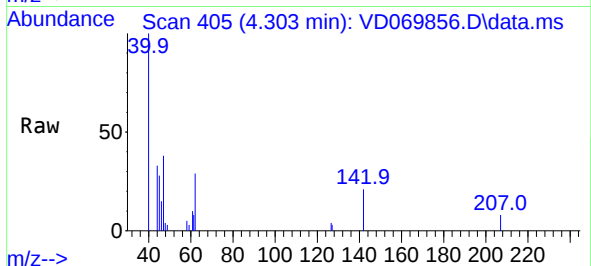




#10
Methyl Iodide
Concen: 3.598 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

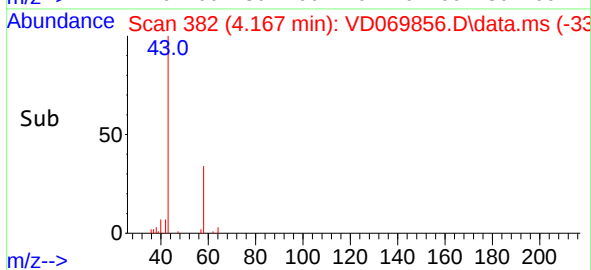
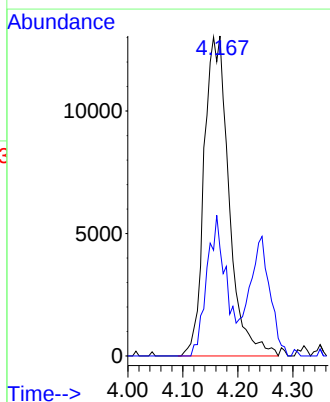
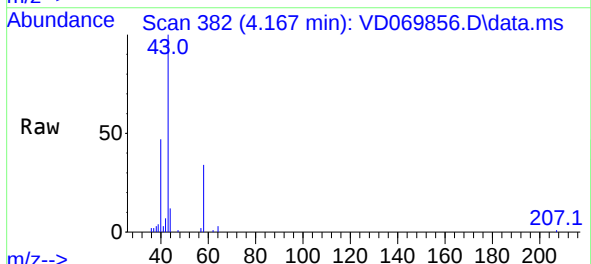
Instrument :
MSVOA_D
ClientSampled :

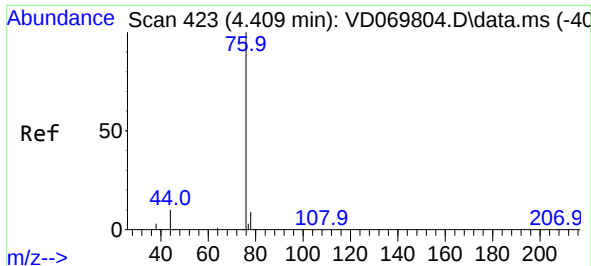
Tgt Ion:142 Resp: 1771
Ion Ratio Lower Upper
142 100
127 27.4 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 20.229 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 43 Resp: 41012
Ion Ratio Lower Upper
43 100
58 33.8 29.4 44.0

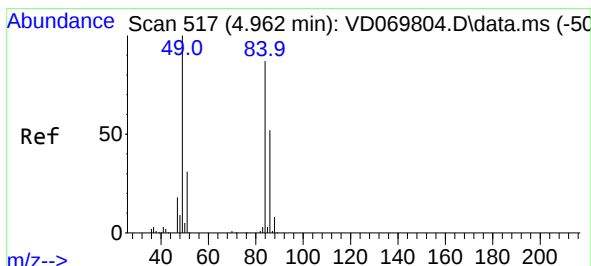
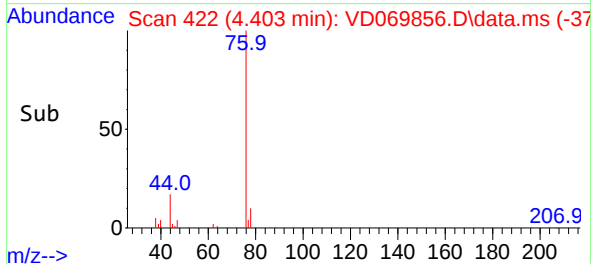
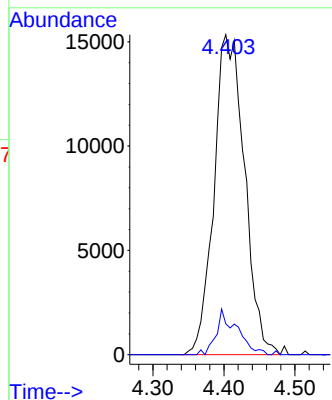
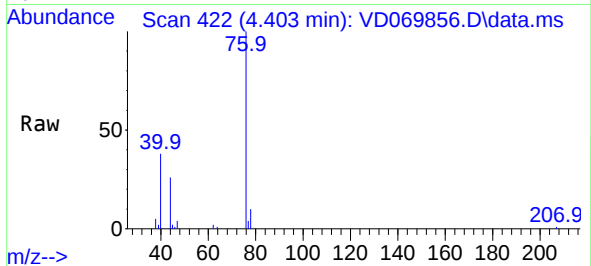




#17
Carbon Disulfide
Concen: 1.146 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

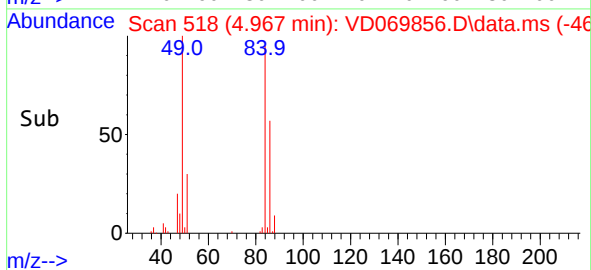
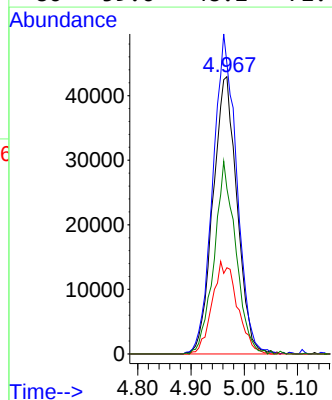
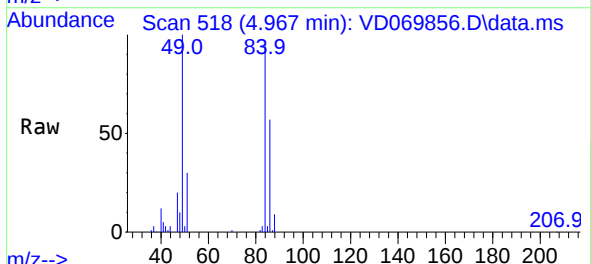
Instrument :
MSVOA_D
ClientSampleId :

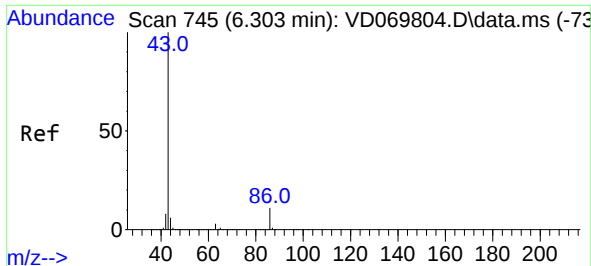
Tgt Ion: 76 Resp: 45730
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#20
Methylene Chloride
Concen: 3.288 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 84 Resp: 134970
Ion Ratio Lower Upper
84 100
49 104.7 92.4 138.6
51 31.1 28.5 42.7
86 59.6 48.2 72.4

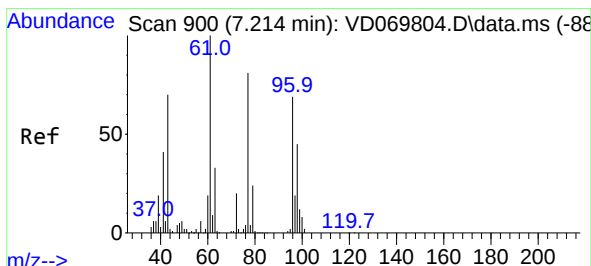
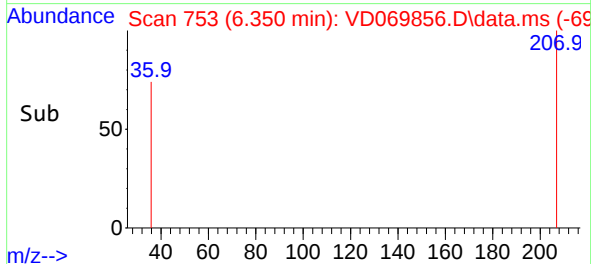
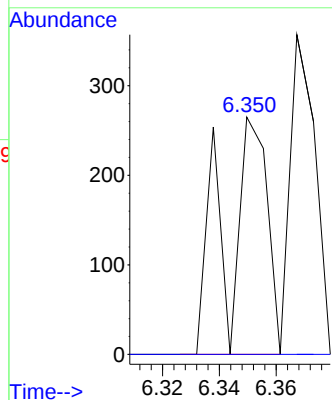
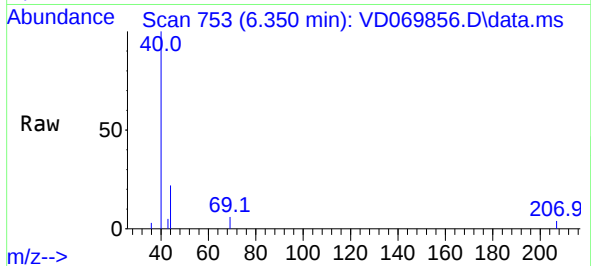




#23
 Vinyl Acetate
 Concen: 20.362 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD069856.D
 Acq: 26 Jul 2021 19:13

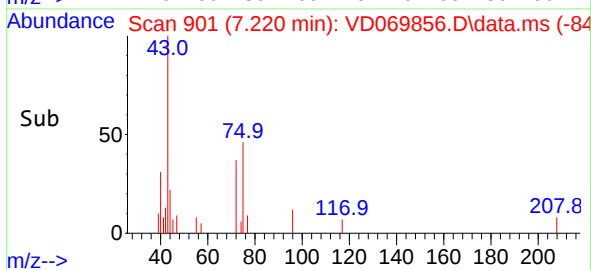
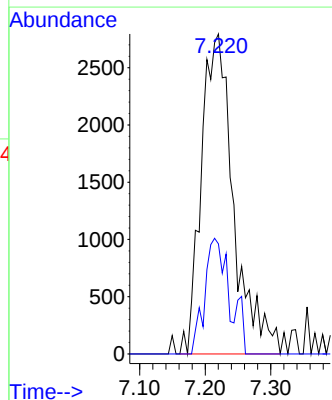
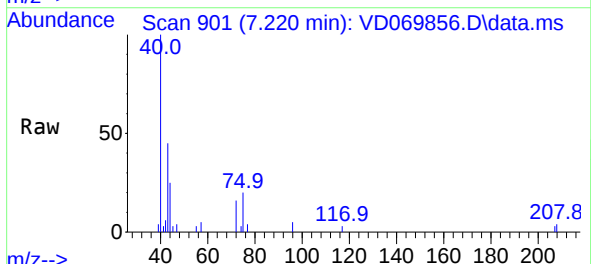
Instrument :
 MSVOA_D
 ClientSampled :

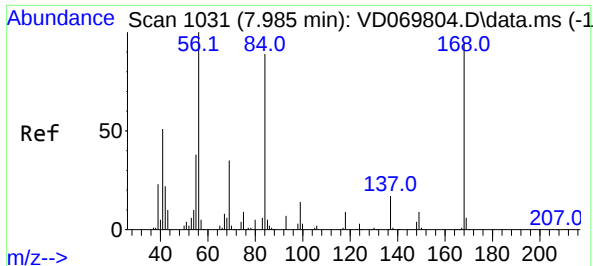
Tgt Ion: 43 Resp: 264
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 3.488 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069856.D
 Acq: 26 Jul 2021 19:13

Tgt Ion: 43 Resp: 9590
 Ion Ratio Lower Upper
 43 100
 72 34.4 22.8 34.2#

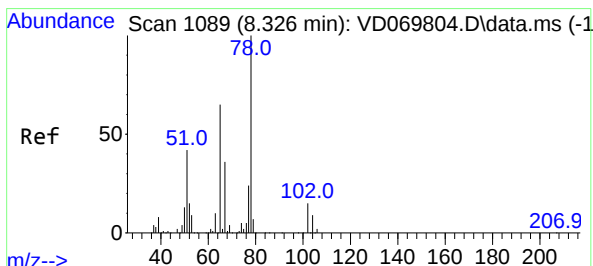
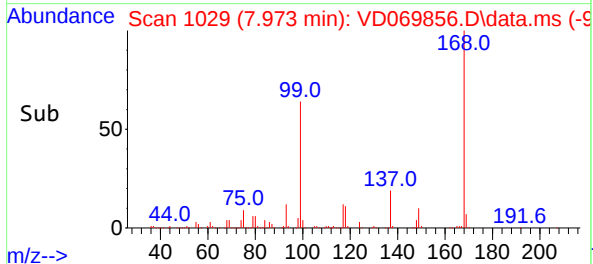
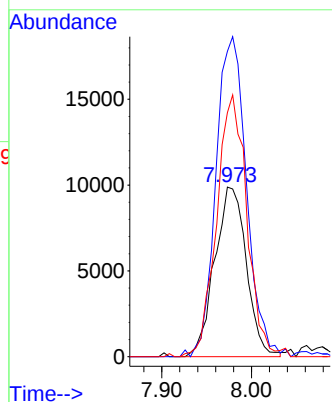
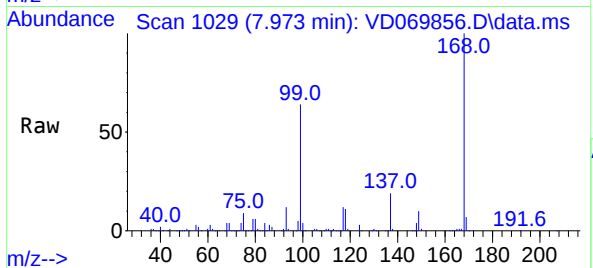




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

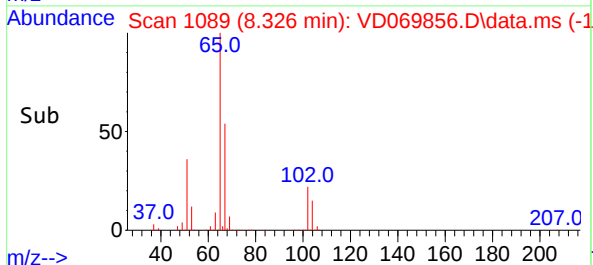
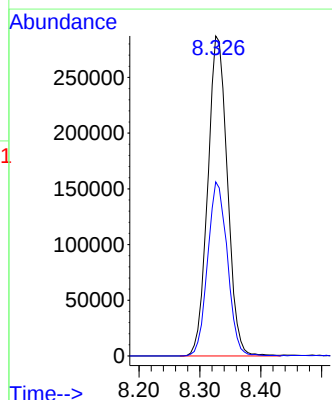
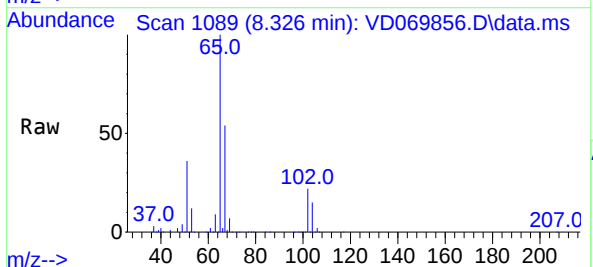
Instrument :
MSVOA_D
ClientSampleId :

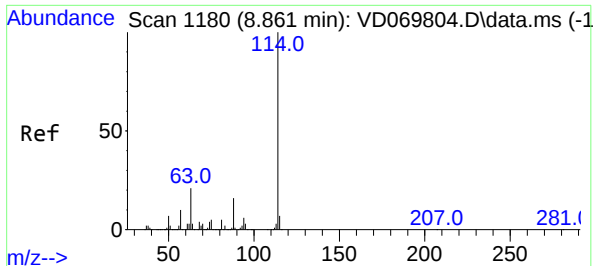
Tgt Ion: 56 Resp: 24210
Ion Ratio Lower Upper
56 100
69 180.0 27.9 41.9#
84 143.8 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 57.370 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 65 Resp: 643860
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2

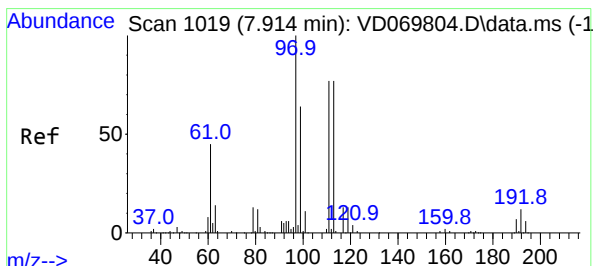
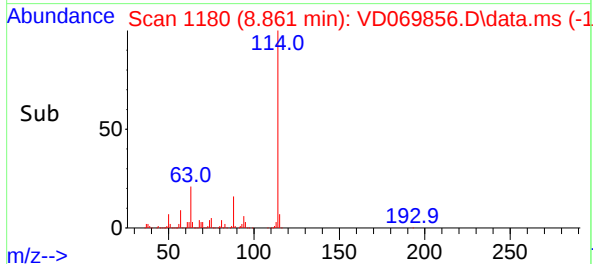
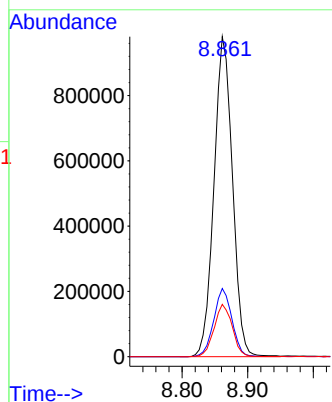
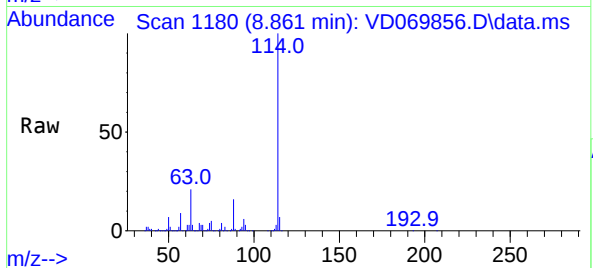




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

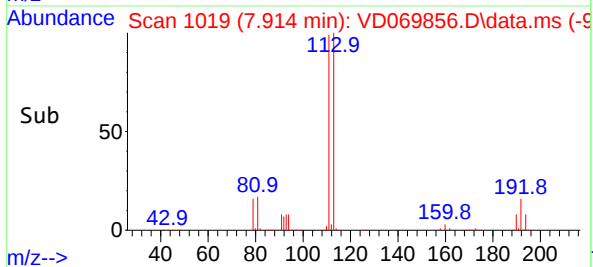
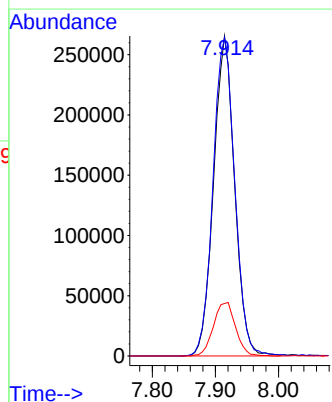
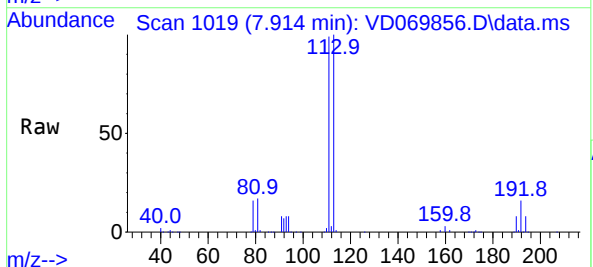
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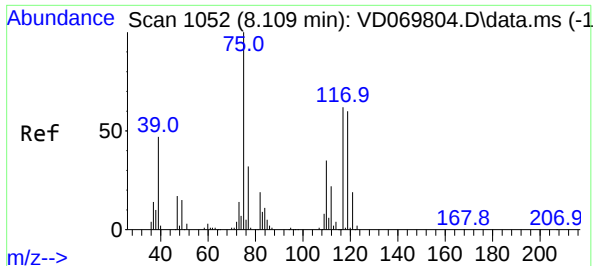
Tgt Ion:114 Resp: 1918427
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.6
88 16.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.794 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion:113 Resp: 614295
Ion Ratio Lower Upper
113 100
111 102.9 80.5 120.7
192 17.6 12.6 19.0

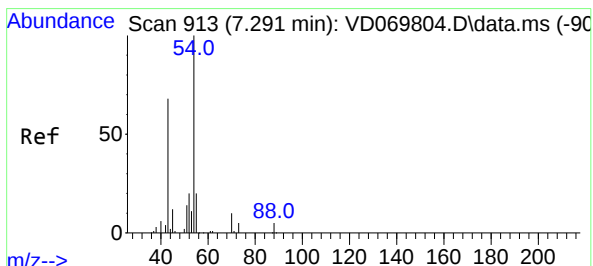
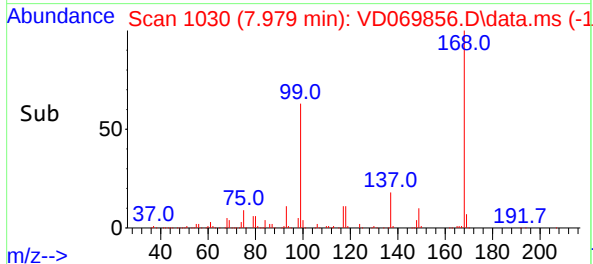
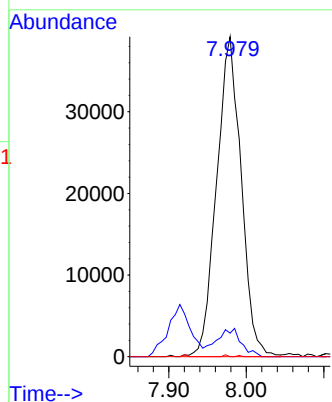
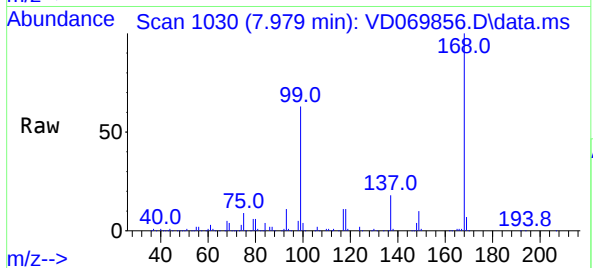




#36
1,1-Dichloropropene
Concen: 4.166 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

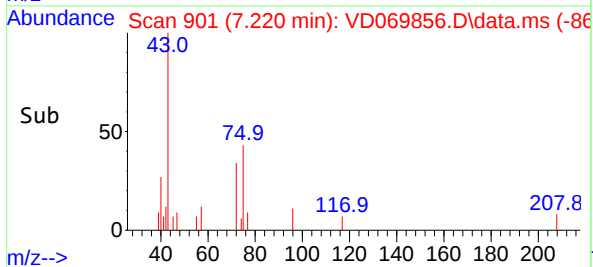
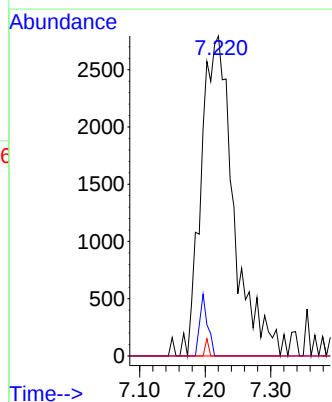
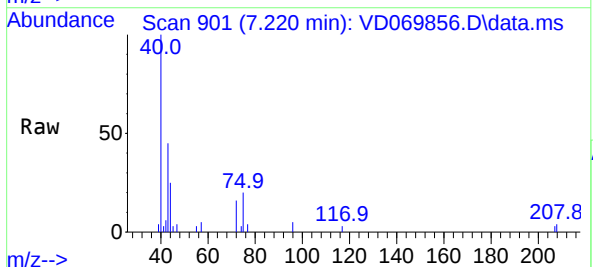
Instrument :
MSVOA_D
ClientSampled :

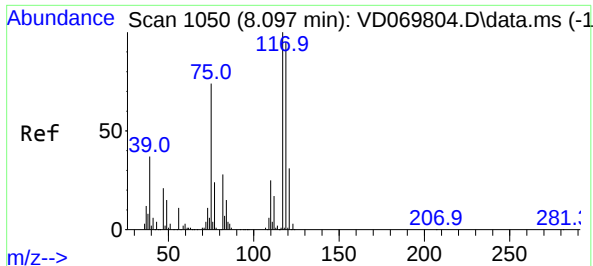
Tgt Ion: 75 Resp: 86242
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.1 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.272 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 43 Resp: 9590
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 8.9 13.3#

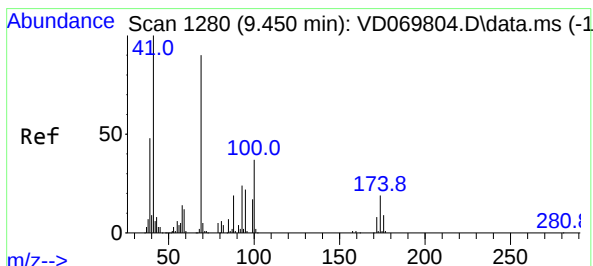
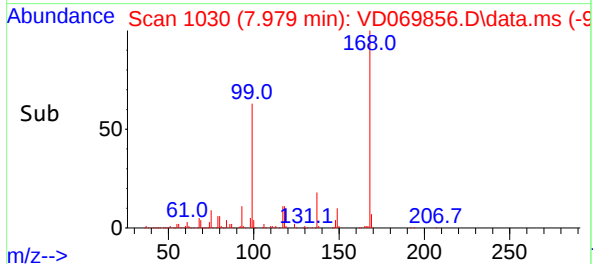
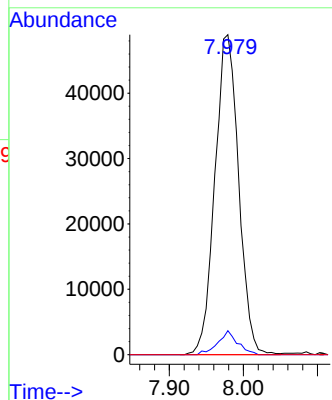
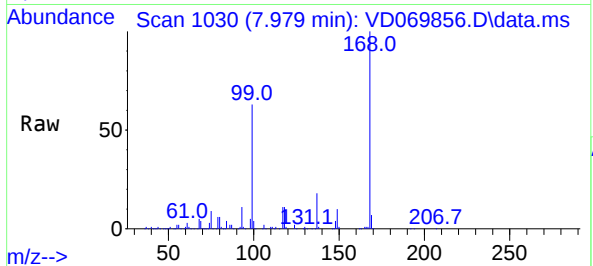




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

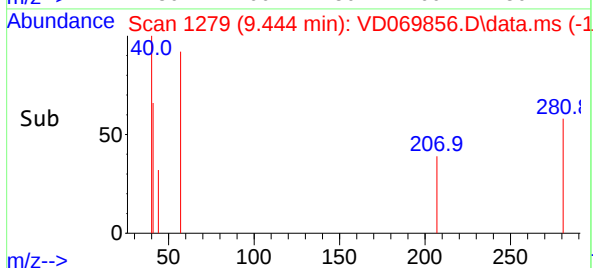
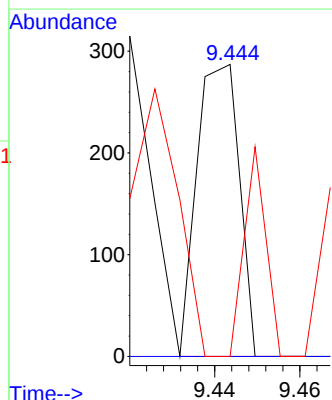
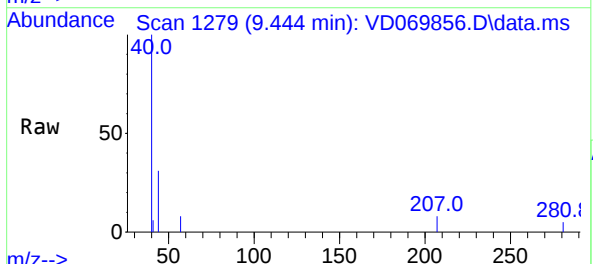
Instrument :
MSVOA_D
ClientSampled :

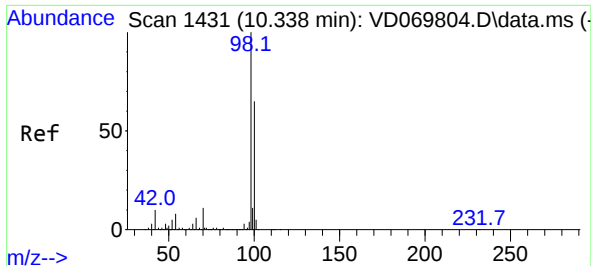
Tgt Ion:117 Resp: 108947
Ion Ratio Lower Upper
117 100
119 7.5 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.773 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 41 Resp: 198
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 36.9 36.6 55.0

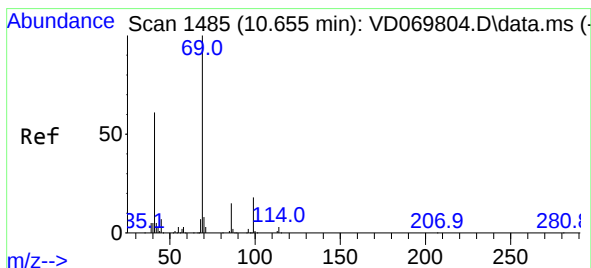
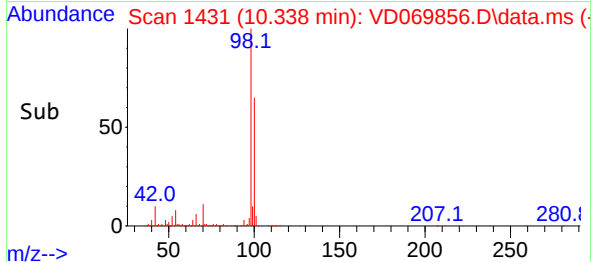
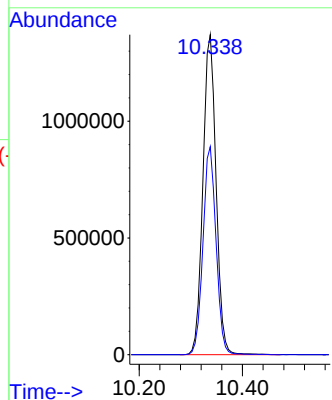
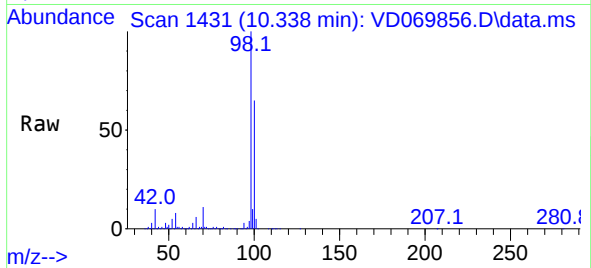




#50
Toluene-d8
Concen: 51.883 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

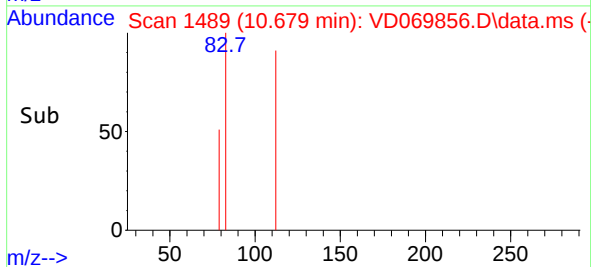
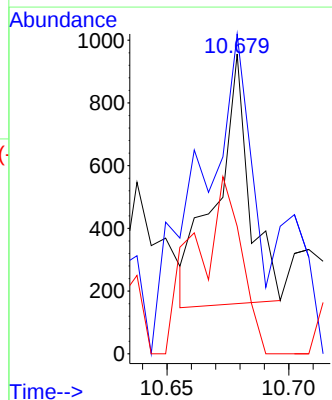
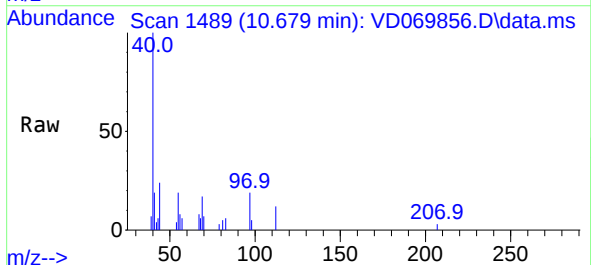
Instrument :
MSVOA_D
ClientSampleId :

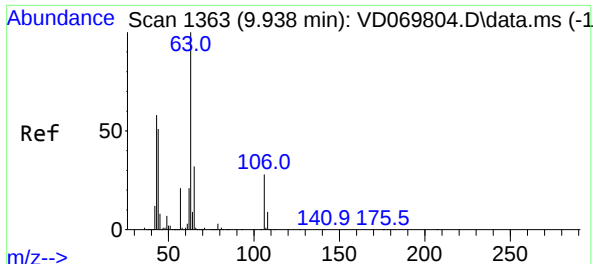
Tgt Ion: 98 Resp: 2419431
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.947 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 69 Resp: 755
Ion Ratio Lower Upper
69 100
41 206.9 50.2 75.2#
39 97.9 22.0 33.0#

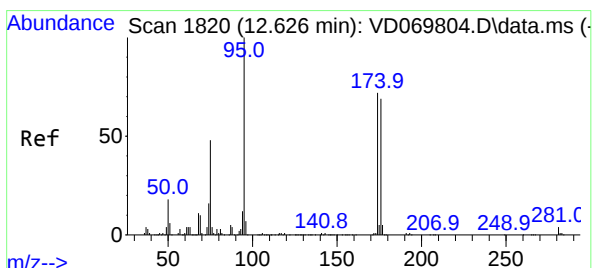
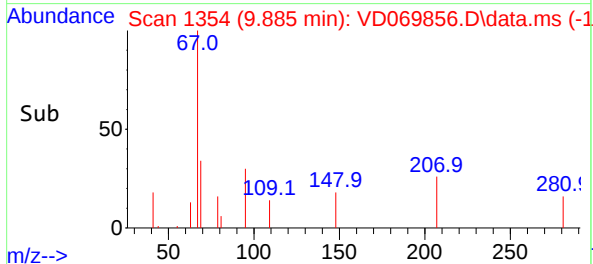
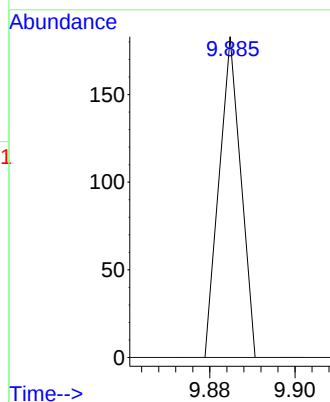
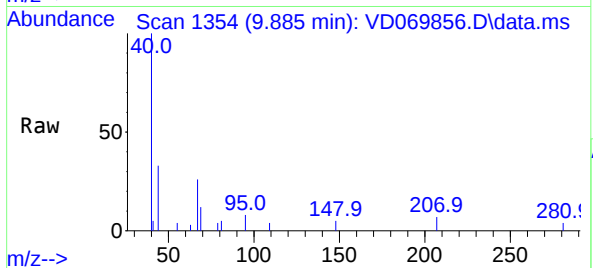




#58
2-Chloroethyl Vinyl ether
Concen: 20.880 ug/l
RT: 9.885 min Scan# 1354
Delta R.T. -0.053 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

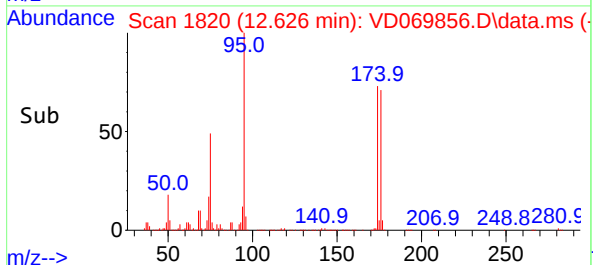
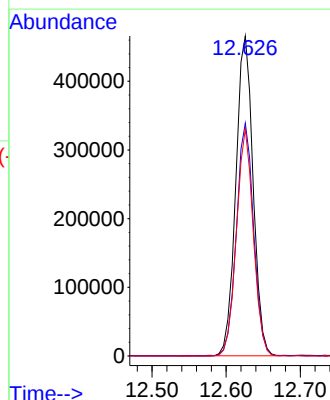
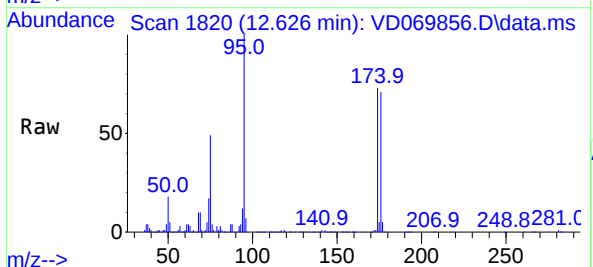
Instrument :
MSVOA_D
ClientSampled :

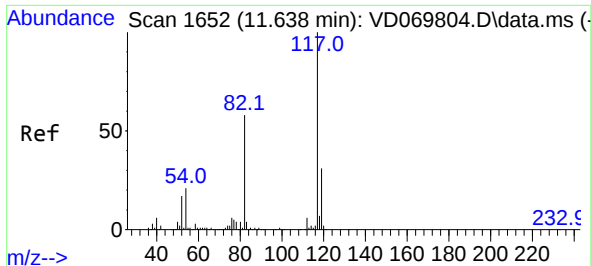
Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 48.153 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 95 Resp: 750462
Ion Ratio Lower Upper
95 100
174 73.0 0.0 142.6
176 69.4 0.0 134.2

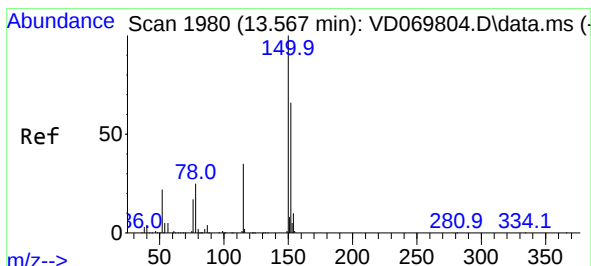
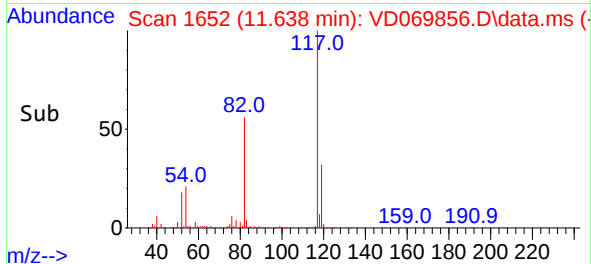
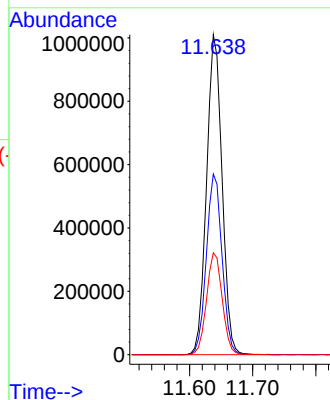
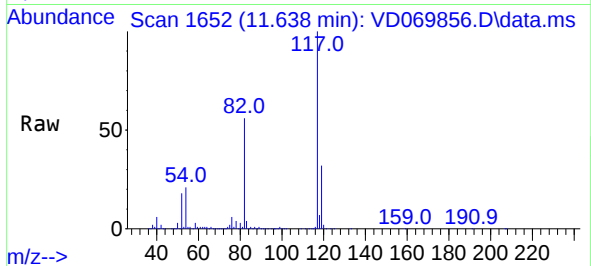




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

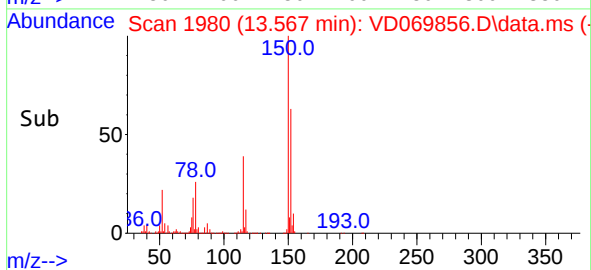
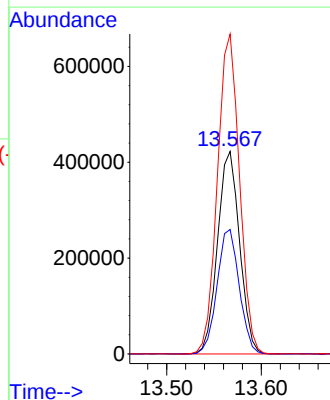
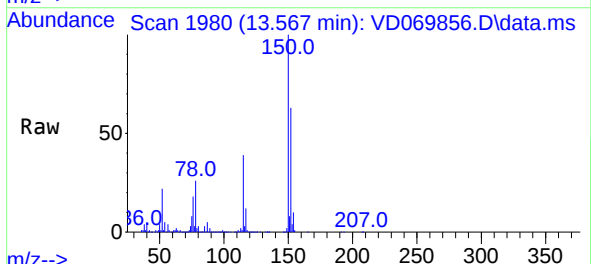
Instrument :
MSVOA_D
ClientSampleId :

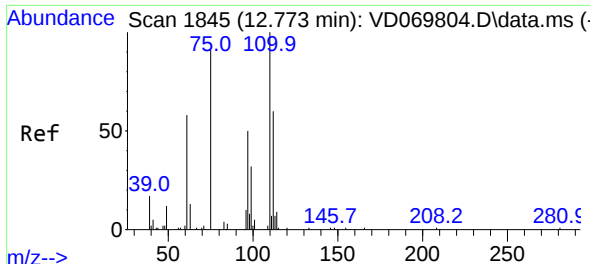
Tgt Ion:117 Resp: 1719955
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion:152 Resp: 684069
Ion Ratio Lower Upper
152 100
115 61.9 31.1 93.3
150 157.9 0.0 343.0

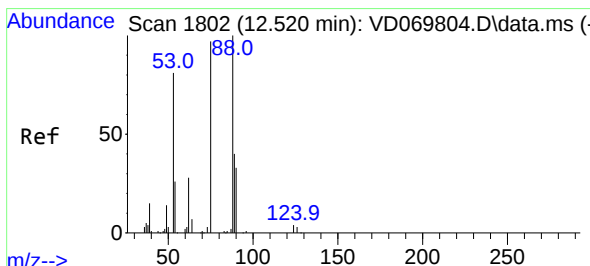
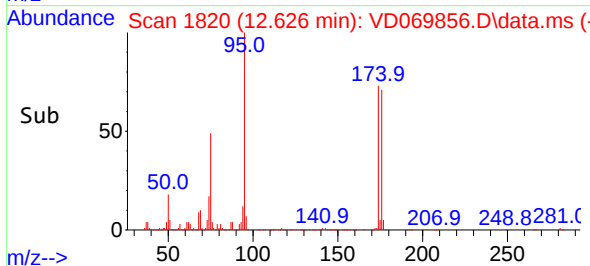
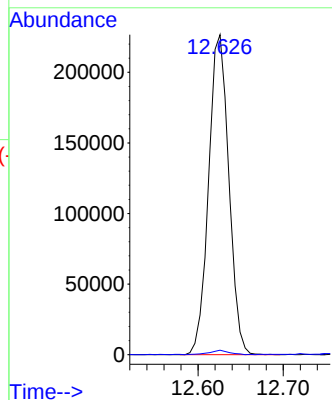
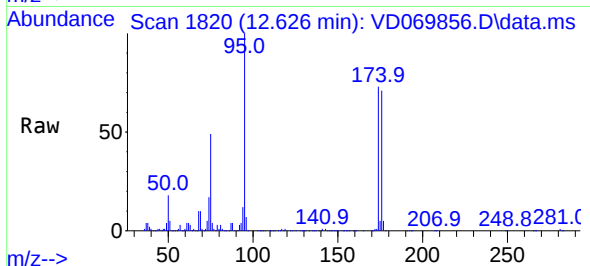




#76
1,2,3-Trichloropropane
Concen: 51.326 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

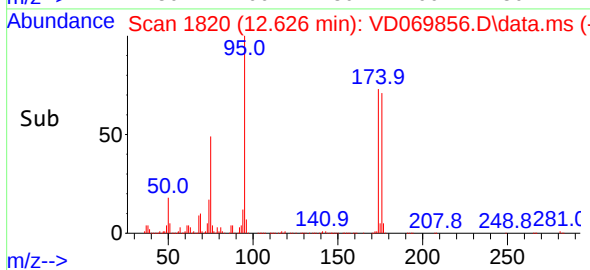
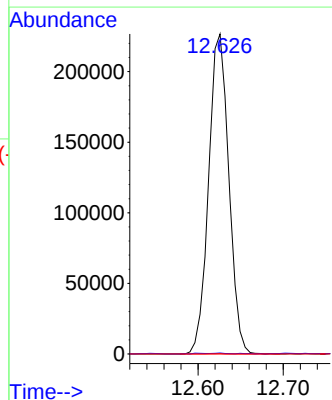
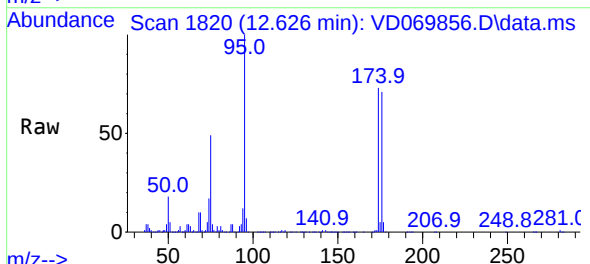
Instrument :
MSVOA_D
ClientSampleId :

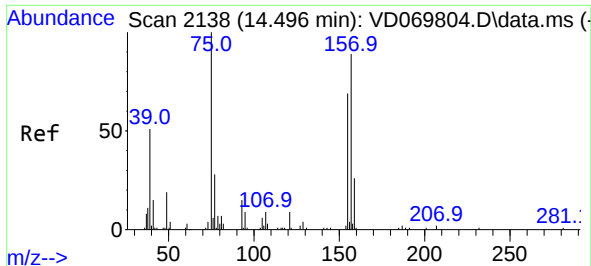
Tgt Ion: 75 Resp: 373197
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.709 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 75 Resp: 373197
Ion Ratio Lower Upper
75 100
53 0.1 67.2 100.8#
89 0.1 35.8 53.6#

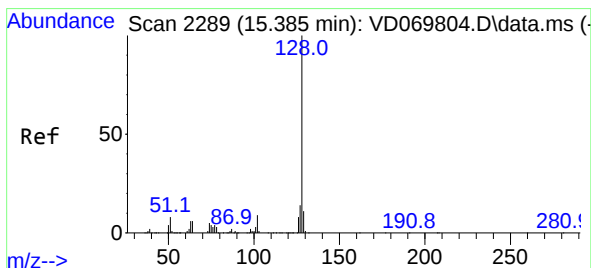
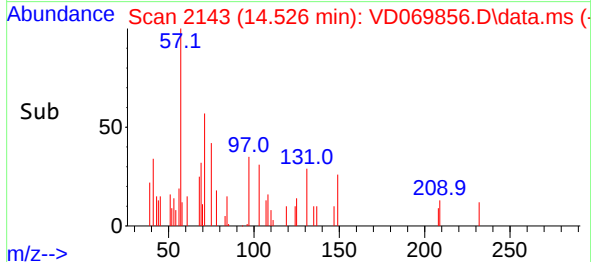
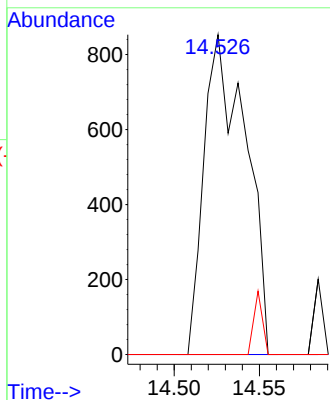
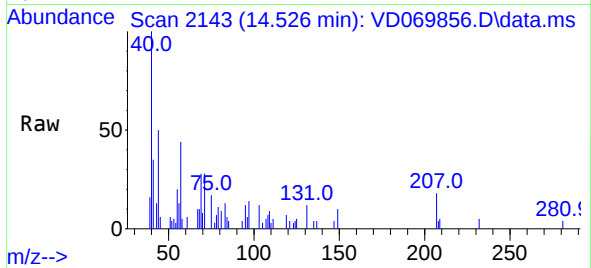




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.028 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.029 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 1453
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.078 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069856.D
Acq: 26 Jul 2021 19:13

Tgt Ion: 128 Resp: 1981
Ion Ratio Lower Upper
128 100
127 3.0 10.6 16.0#
129 11.6 8.6 12.8

