

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069857.D
 Acq On : 26 Jul 2021 19:42
 Operator : VA/SY
 Sample : M3118-04
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:13:48 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)

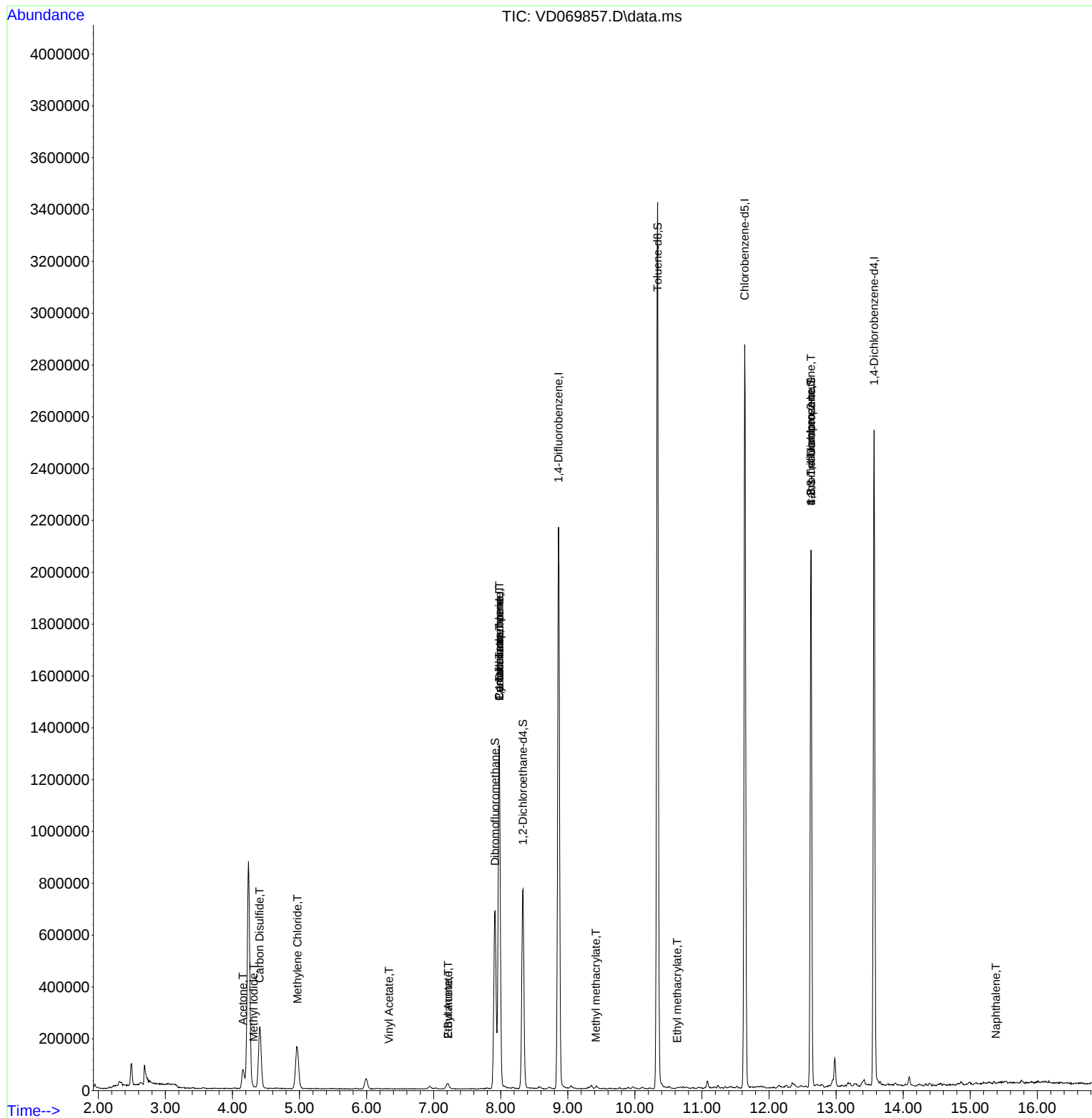
Internal Standards						
1) Pentafluorobenzene	7.979	168	951824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1863208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1667565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	659232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	619287	56.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.140%
35) Dibromofluoromethane	7.914	113	517394	44.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.100%
50) Toluene-d8	10.338	98	2329335	51.431	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.626	95	729549	48.199	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	3449	Below Cal	#	52
10) Methyl Iodide	4.315	142	2171	3.633	ug/l #	49
16) Acetone	4.156	43	129646	65.560	ug/l	98
17) Carbon Disulfide	4.403	76	527977	13.559	ug/l	98
20) Methylene Chloride	4.967	84	136904	3.708	ug/l	94
23) Vinyl Acetate	6.332	43	208	20.359	ug/l #	71
25) 2-Butanone	7.214	43	25314	9.439	ug/l	96
31) Cyclohexane	7.979	56	23010	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	83957	4.176	ug/l #	51
37) Ethyl Acetate	7.214	43	25314	3.458	ug/l #	68
38) Carbon Tetrachloride	7.979	117	101120	5.506	ug/l #	17
48) Methyl methacrylate	9.420	41	3681	3.244	ug/l #	26
56) Ethyl methacrylate	10.632	69	661	3.942	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	356169	50.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	356169	154.203	ug/l #	16
95) Naphthalene	15.385	128	1923	5.079	ug/l #	79

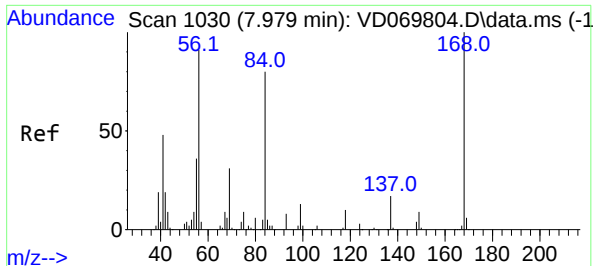
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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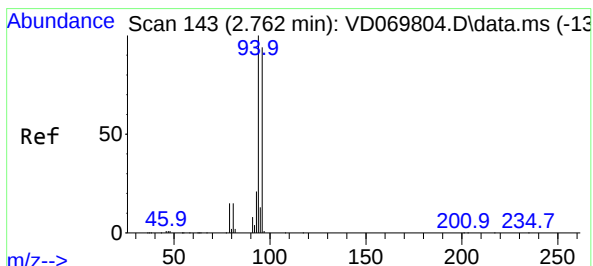
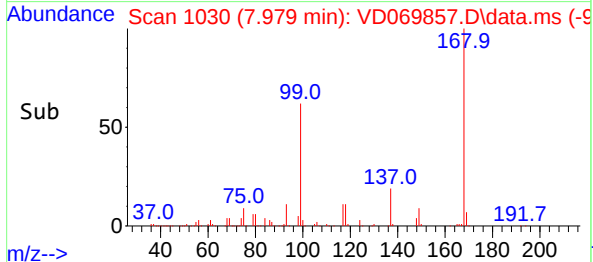
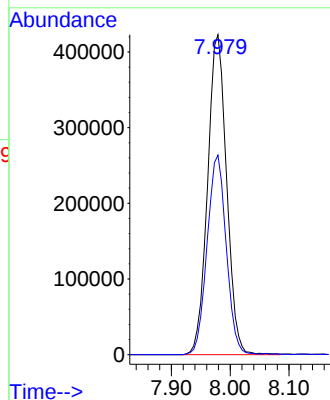
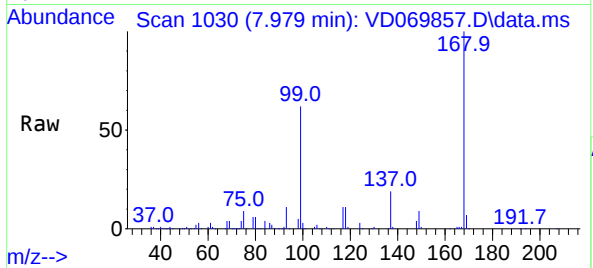




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

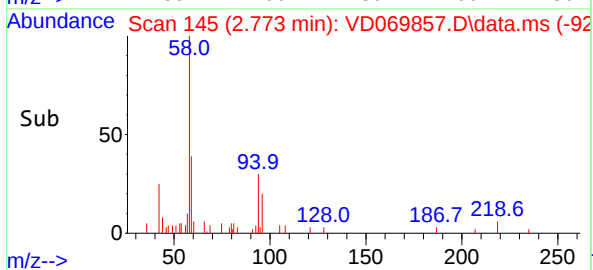
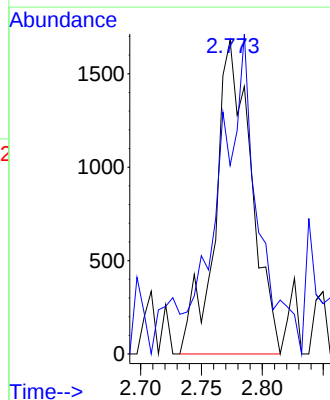
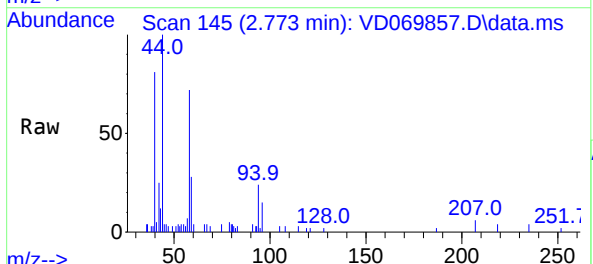
Instrument :
MSVOA_D
ClientSampleId :

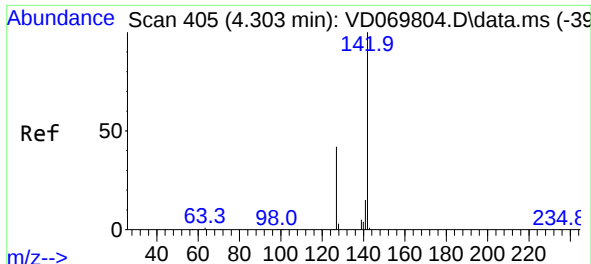
Tgt Ion:168 Resp: 951824
Ion Ratio Lower Upper
168 100
99 62.3 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 94 Resp: 3449
Ion Ratio Lower Upper
94 100
96 47.4 74.8 112.2#

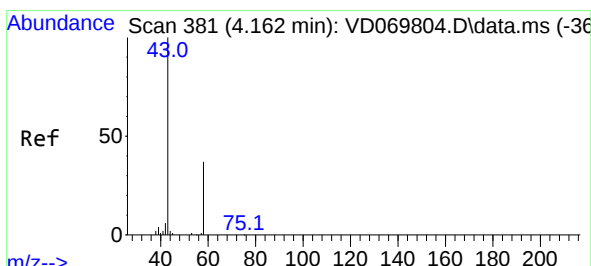
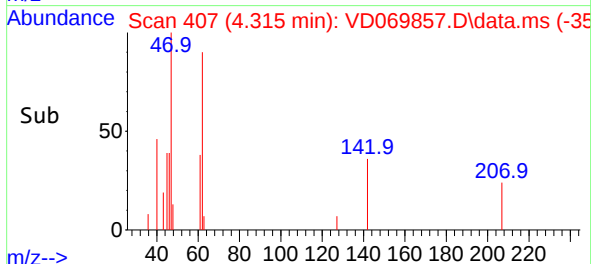
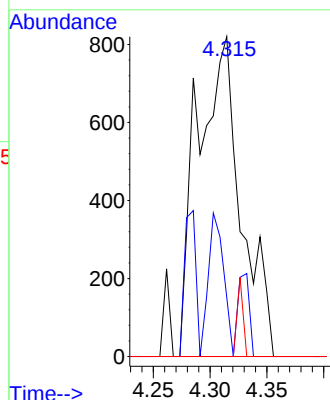
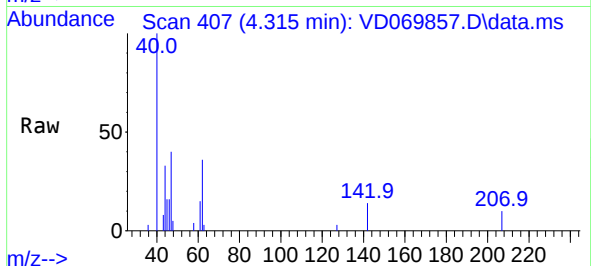




#10
Methyl Iodide
Concen: 3.633 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

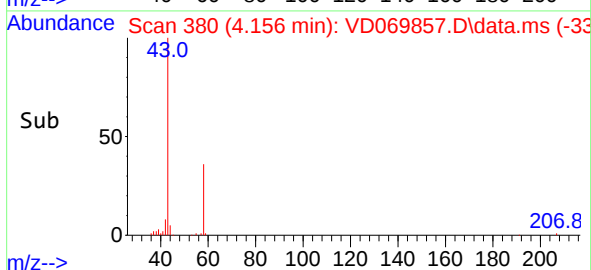
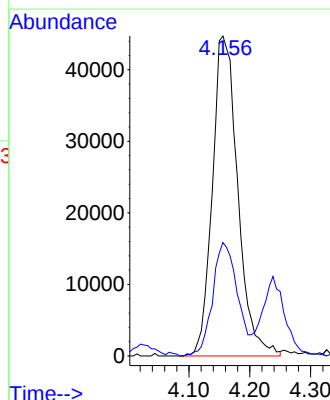
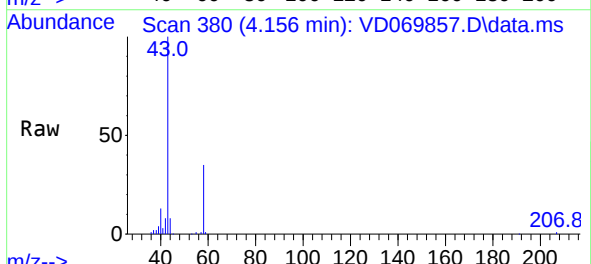
Instrument :
MSVOA_D
ClientSampled :

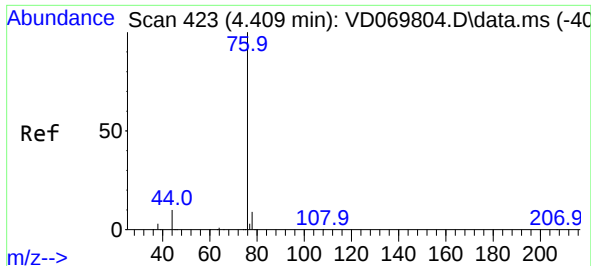
Tgt Ion:142 Resp: 2171
Ion Ratio Lower Upper
142 100
127 6.8 35.7 53.5#
141 3.3 12.0 18.0#



#16
Acetone
Concen: 65.560 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 43 Resp: 129646
Ion Ratio Lower Upper
43 100
58 35.4 29.4 44.0

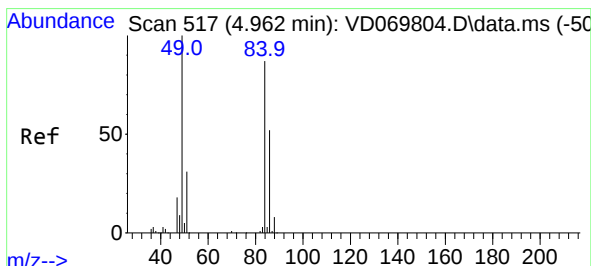
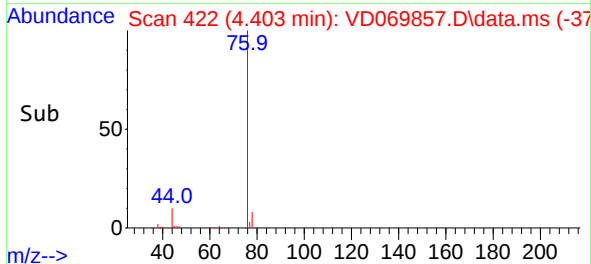
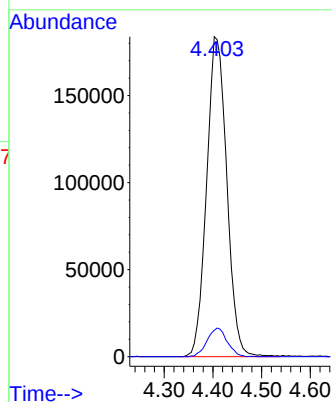
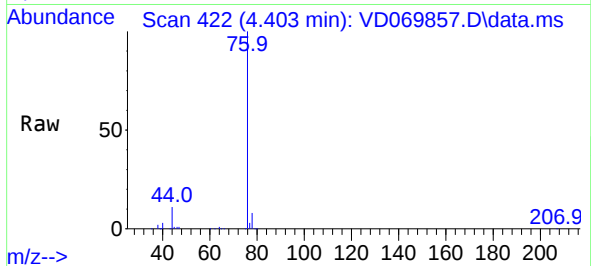




#17
Carbon Disulfide
Concen: 13.559 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

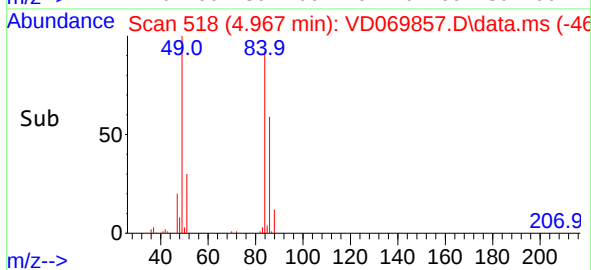
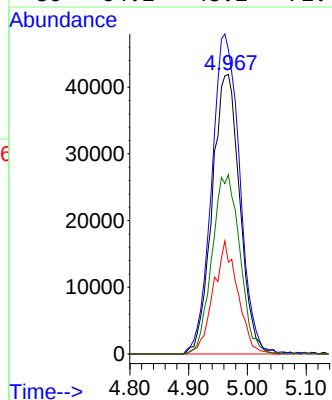
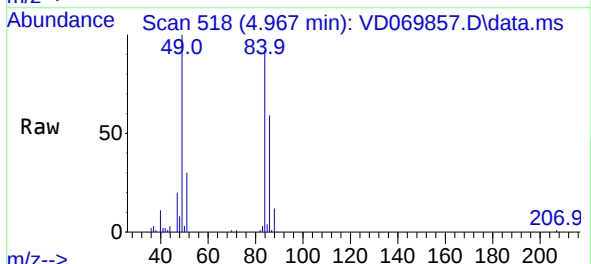
Instrument :
MSVOA_D
ClientSampleId :

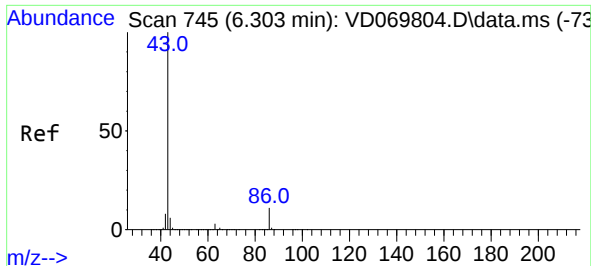
Tgt Ion: 76 Resp: 527977
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#20
Methylene Chloride
Concen: 3.708 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 84 Resp: 136904
Ion Ratio Lower Upper
84 100
49 109.0 92.4 138.6
51 32.9 28.5 42.7
86 64.2 48.2 72.4

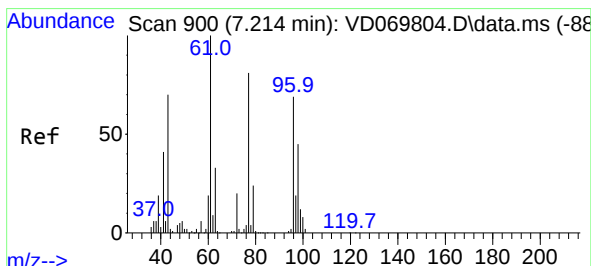
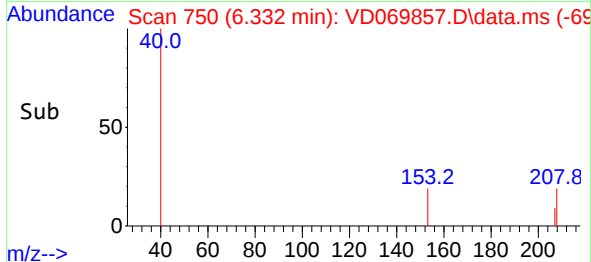
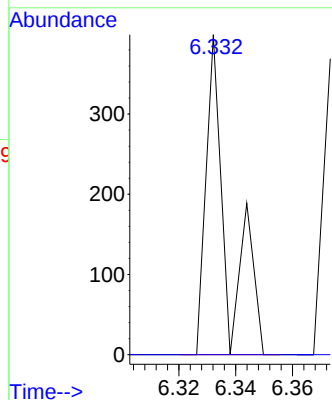
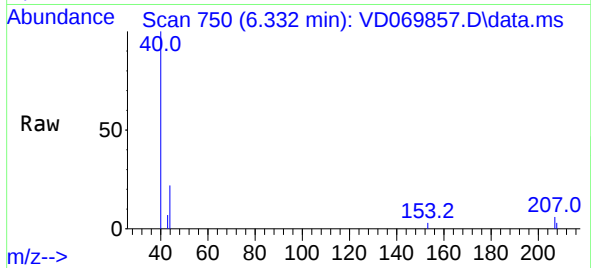




#23
 Vinyl Acetate
 Concen: 20.359 ug/l
 RT: 6.332 min Scan# 750
 Delta R.T. 0.029 min
 Lab File: VD069857.D
 Acq: 26 Jul 2021 19:42

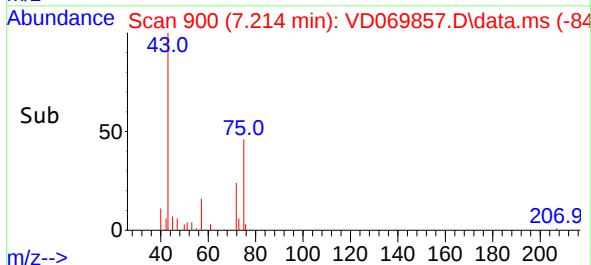
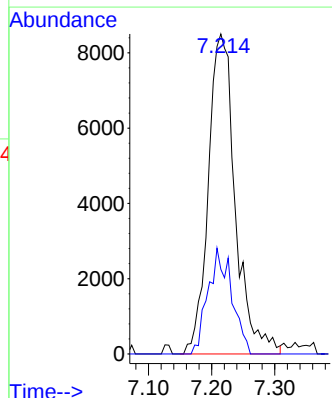
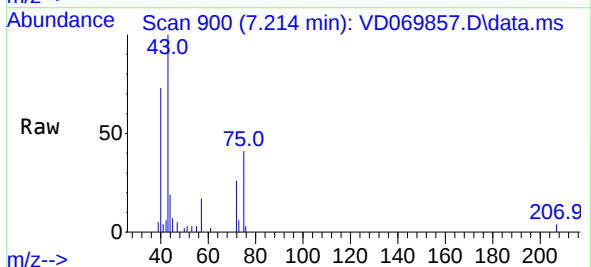
Instrument :
 MSVOA_D
 ClientSampled :

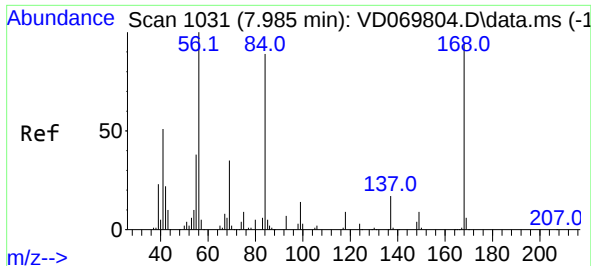
Tgt Ion: 43 Resp: 208
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 9.439 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069857.D
 Acq: 26 Jul 2021 19:42

Tgt Ion: 43 Resp: 25314
 Ion Ratio Lower Upper
 43 100
 72 26.4 22.8 34.2





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 7.979 min Scan# 1030

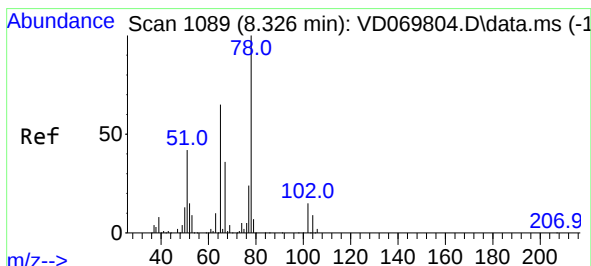
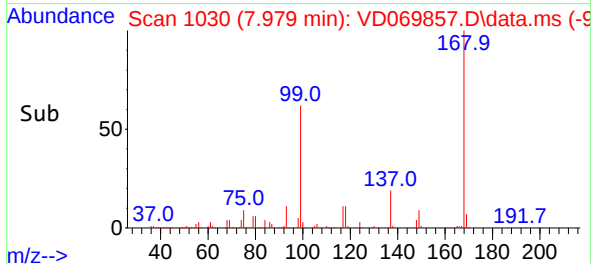
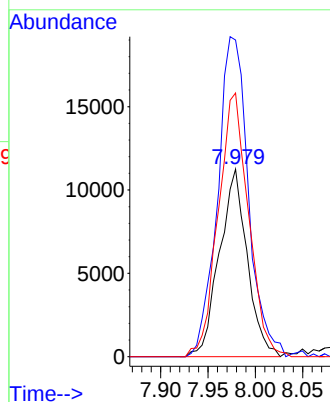
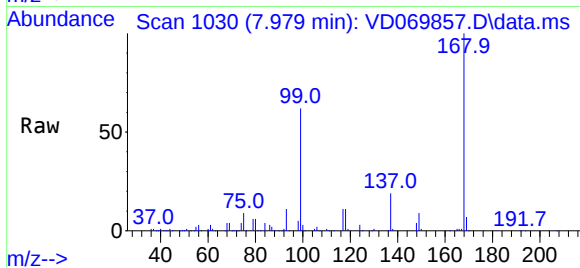
Delta R.T. -0.006 min

Lab File: VD069857.D

Acq: 26 Jul 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	56	Resp:	23010
Ion	Ratio	Lower	Upper
56	100		
69	168.8	27.9	41.9#
84	140.6	71.4	107.2#



#33

1,2-Dichloroethane-d4

Concen: 56.572 ug/l

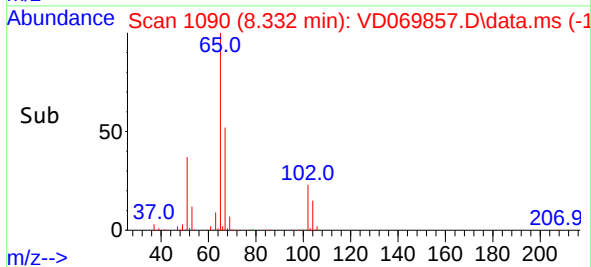
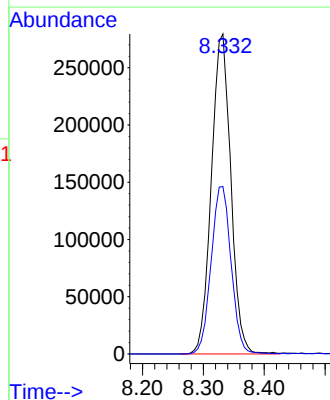
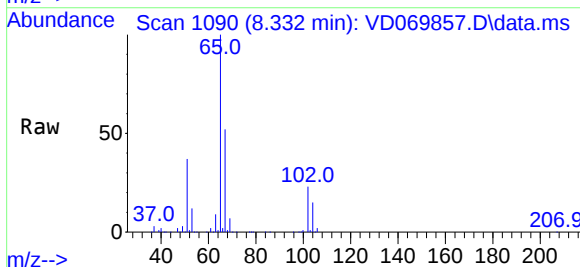
RT: 8.332 min Scan# 1090

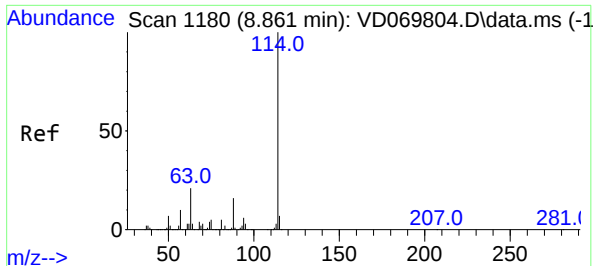
Delta R.T. 0.006 min

Lab File: VD069857.D

Acq: 26 Jul 2021 19:42

Tgt Ion:	65	Resp:	619287
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	111.2

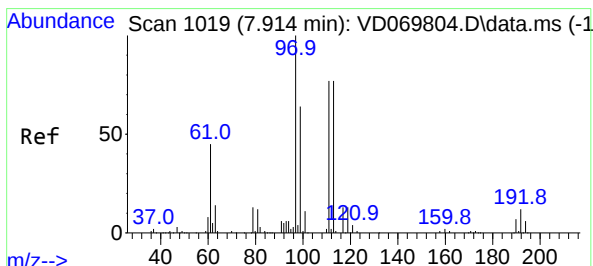
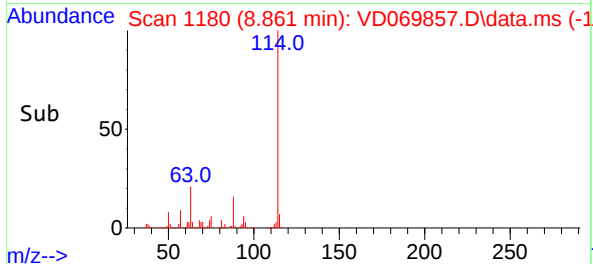
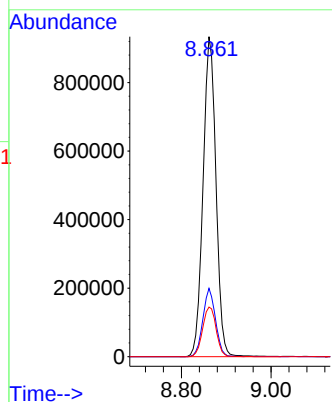
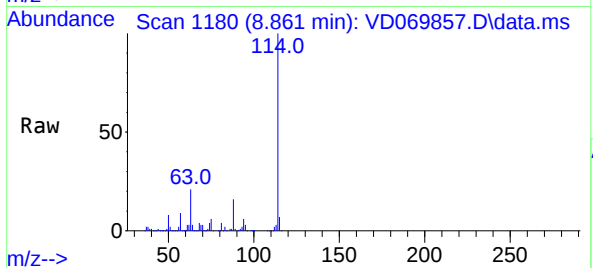




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

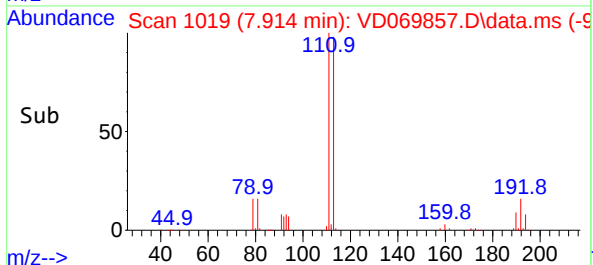
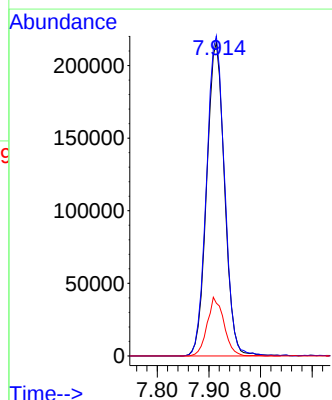
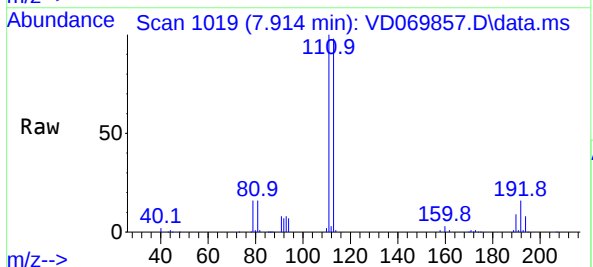
Instrument :
MSVOA_D
ClientSampled :

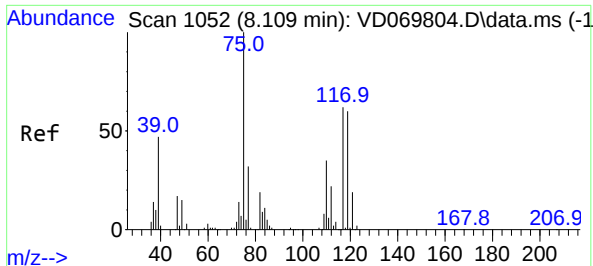
Tgt Ion:114 Resp: 1863208
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.6
88 15.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 44.050 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion:113 Resp: 517394
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 17.6 12.6 19.0

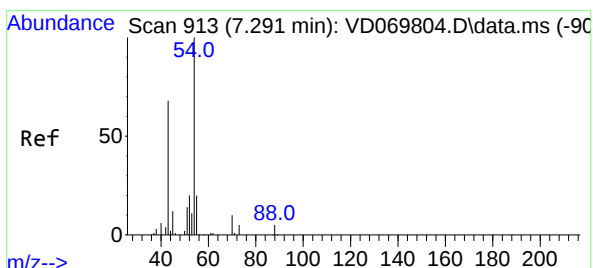
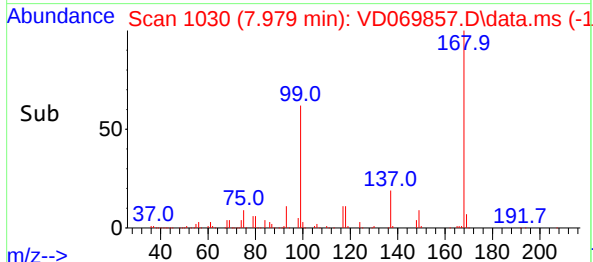
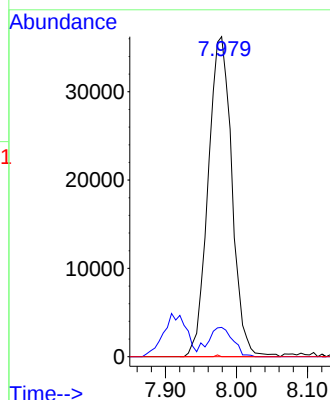
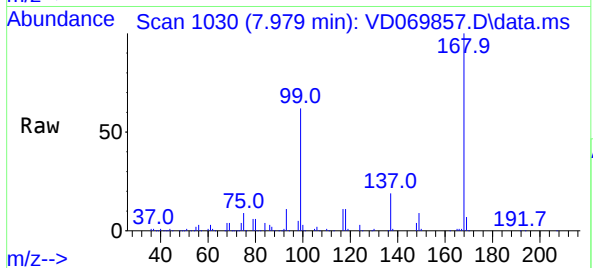




#36
1,1-Dichloropropene
Concen: 4.176 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

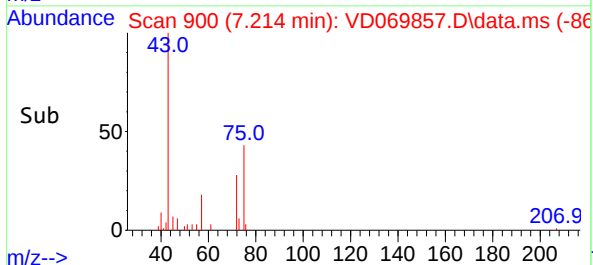
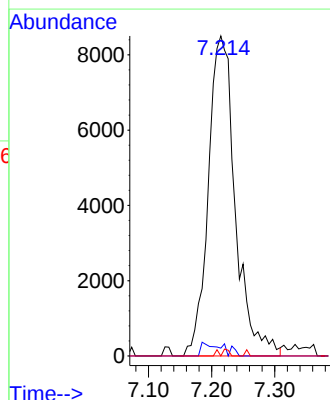
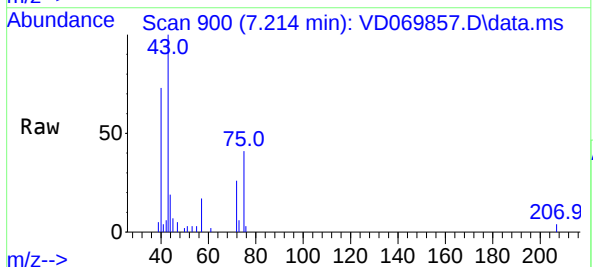
Instrument :
MSVOA_D
ClientSampleId :

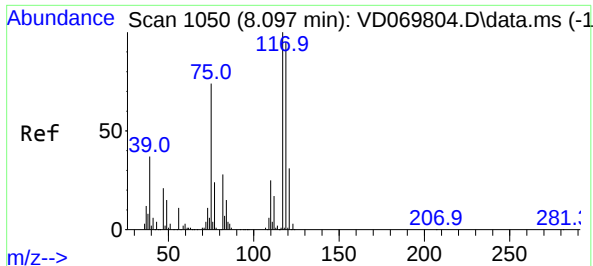
Tgt Ion: 75 Resp: 83957
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.1 24.9 37.3#



#37
Ethyl Acetate
Concen: 3.458 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 43 Resp: 25314
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.7 8.9 13.3#

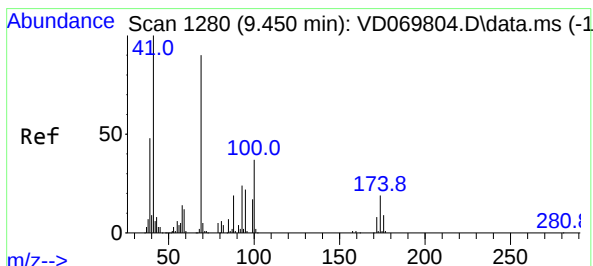
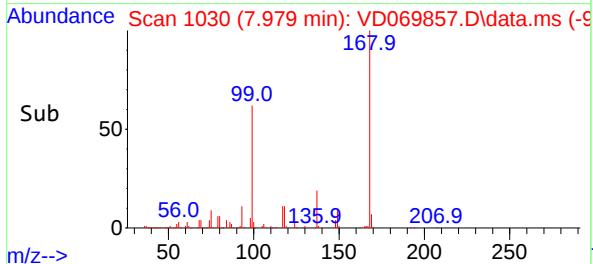
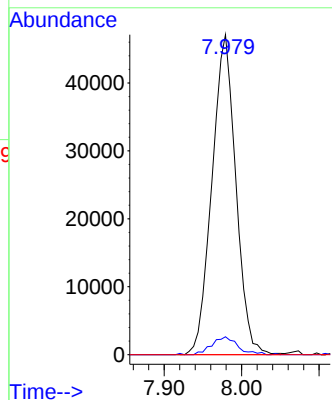
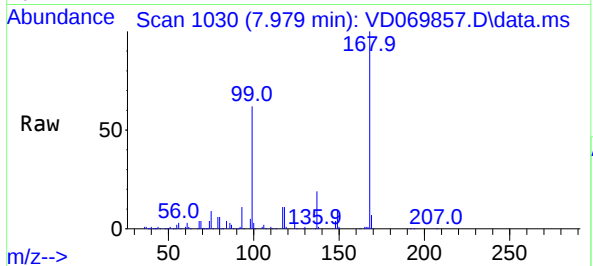




#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

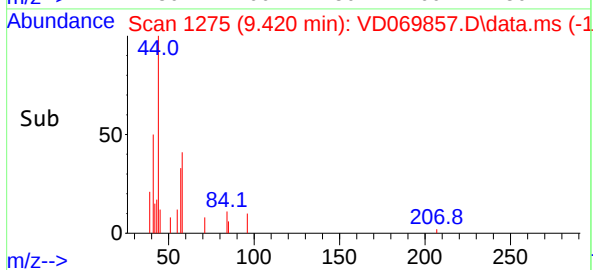
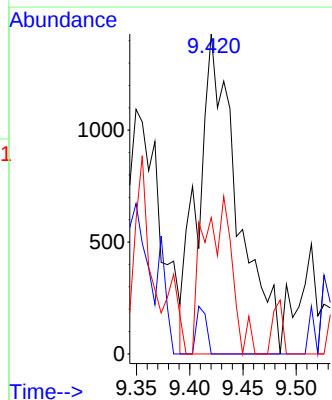
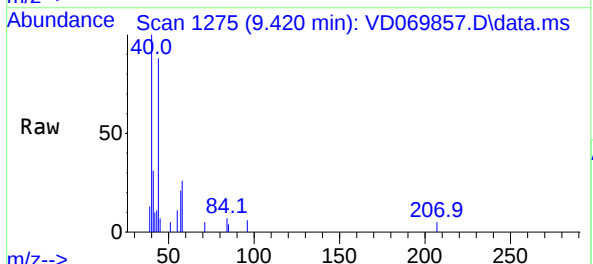
Instrument :
MSVOA_D
ClientSampled :

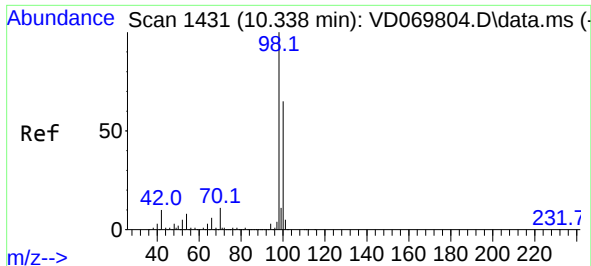
Tgt Ion:117 Resp: 101120
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.244 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 41 Resp: 3681
Ion Ratio Lower Upper
41 100
69 3.7 73.4 110.2#
39 20.4 36.6 55.0#

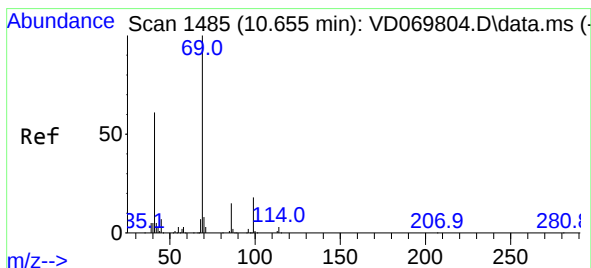
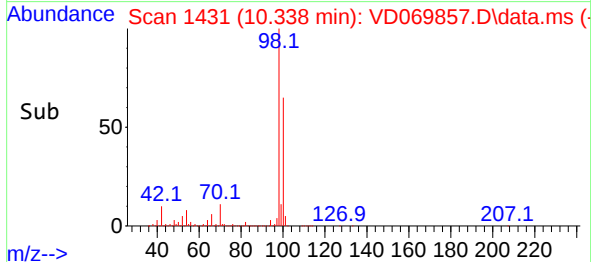
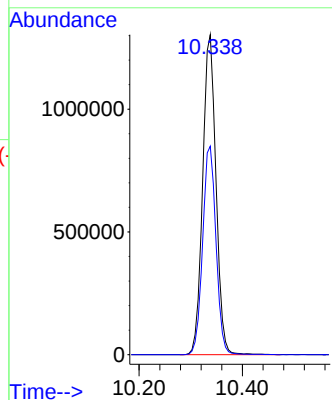
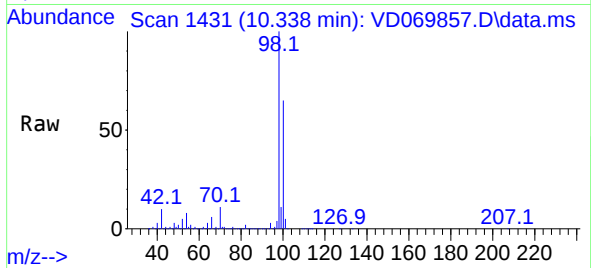




#50
Toluene-d8
Concen: 51.431 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

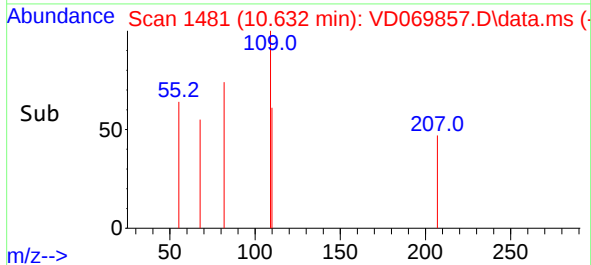
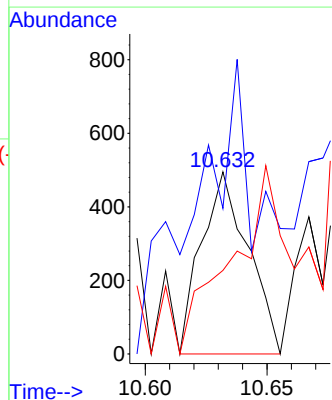
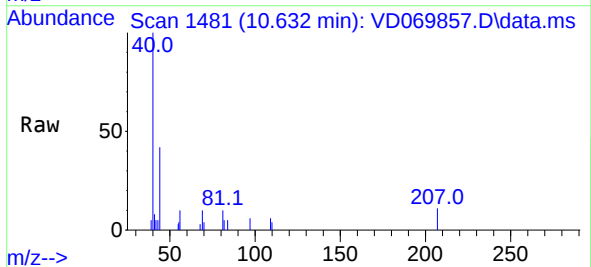
Instrument :
MSVOA_D
ClientSampled :

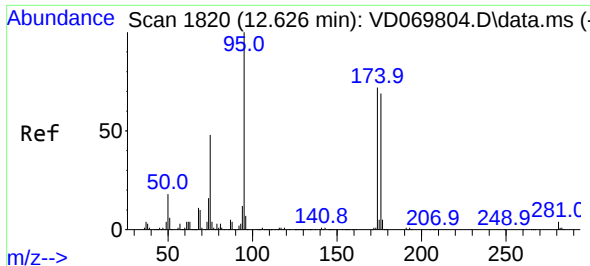
Tgt Ion: 98 Resp: 2329335
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.942 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 69 Resp: 661
Ion Ratio Lower Upper
69 100
41 221.2 50.2 75.2#
39 117.2 22.0 33.0#

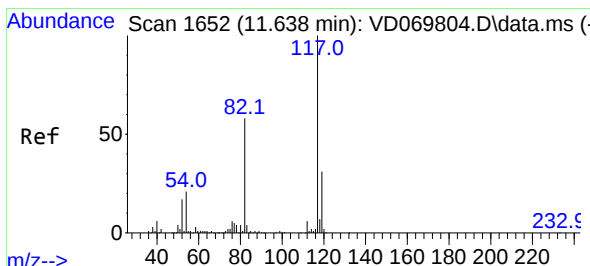
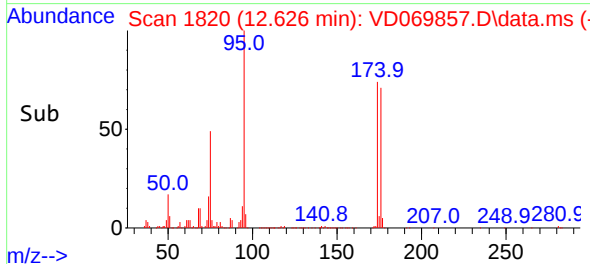
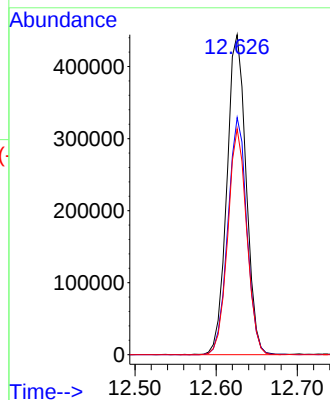
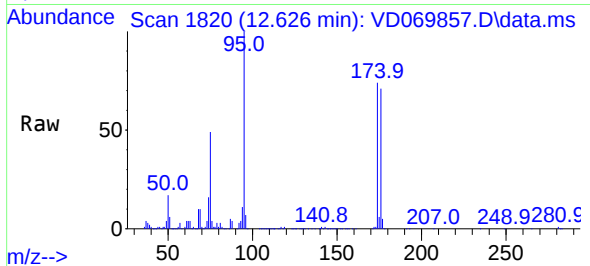




#62
4-Bromofluorobenzene
Concen: 48.199 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

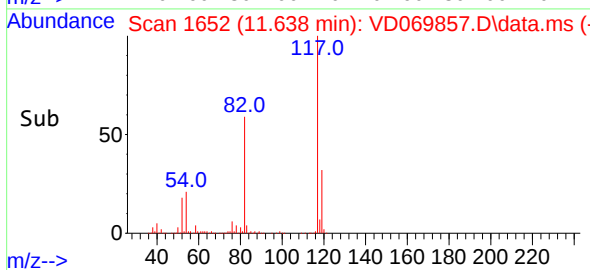
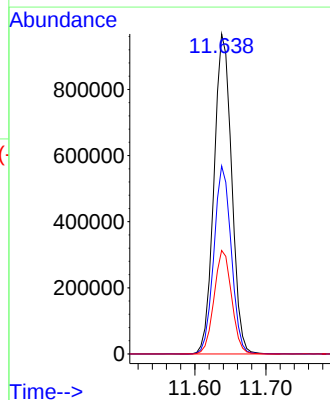
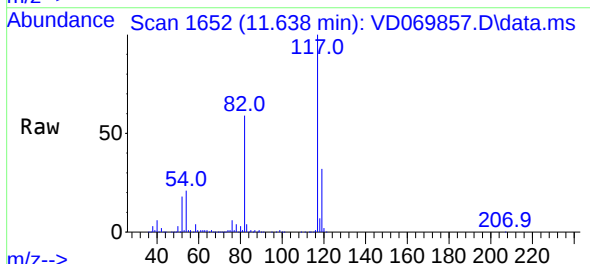
Instrument :
MSVOA_D
ClientSampleId :

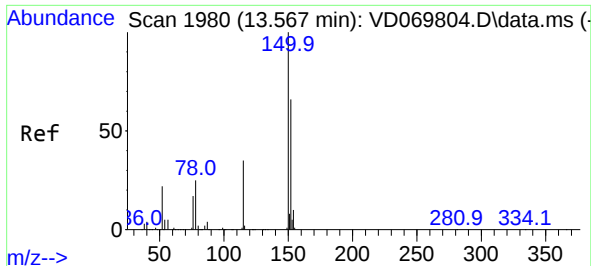
Tgt Ion: 95 Resp: 729549
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 69.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

Tgt Ion: 117 Resp: 1667565
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 32.3 24.7 37.1

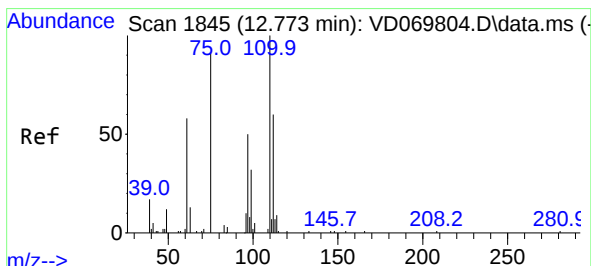
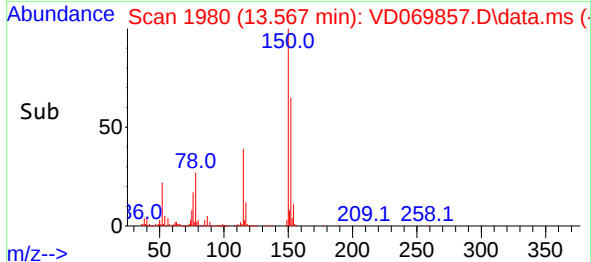
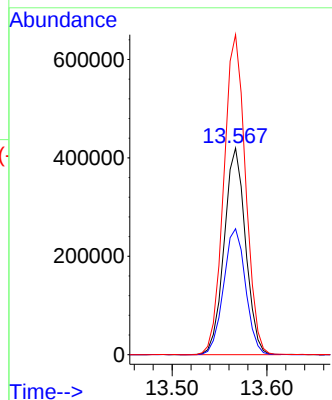
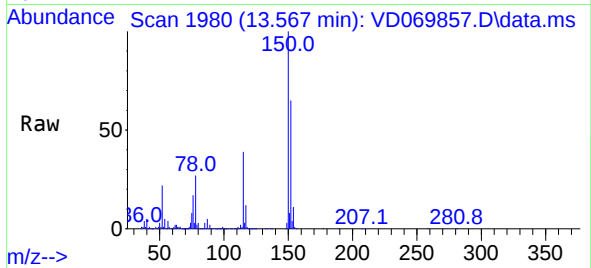




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

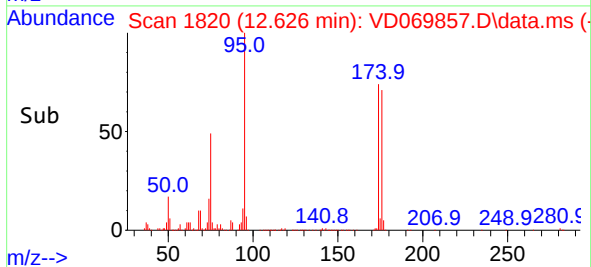
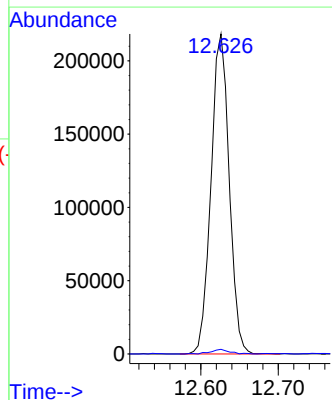
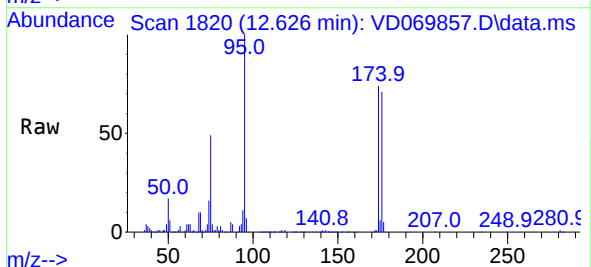
Instrument :
MSVOA_D
ClientSampleId :

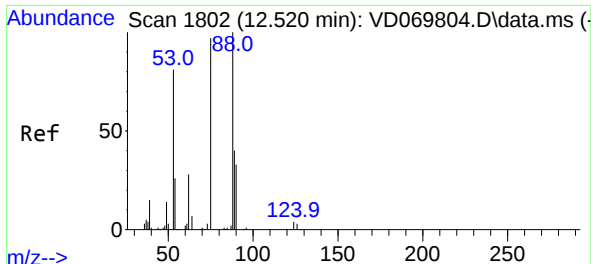
Tgt Ion:152 Resp: 659232
Ion Ratio Lower Upper
152 100
115 62.8 31.1 93.3
150 157.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 50.829 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

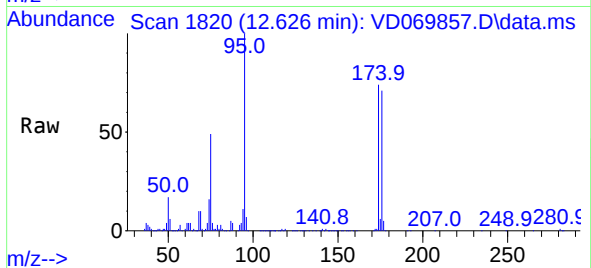
Tgt Ion: 75 Resp: 356169
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



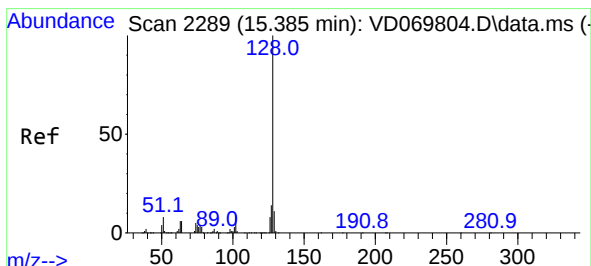
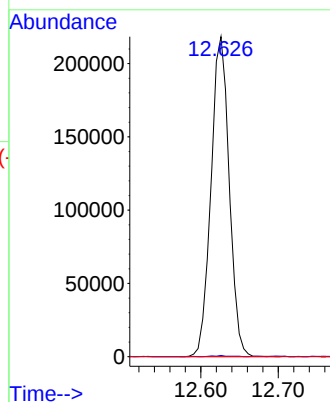
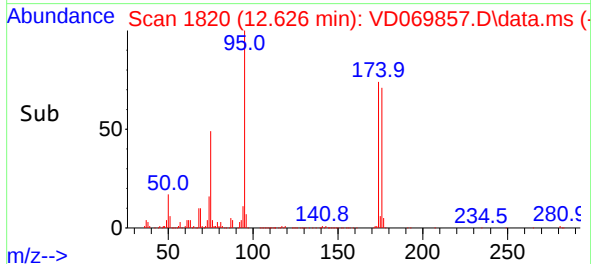


#81
trans-1,4-Dichloro-2-butene
Concen: 154.203 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42

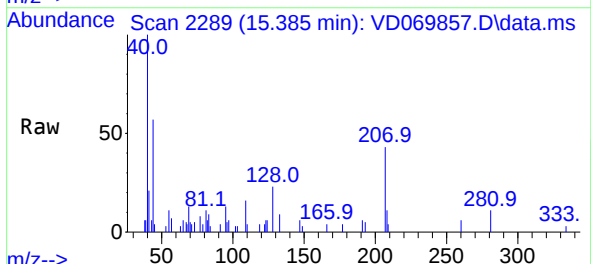
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 356169
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.079 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069857.D
Acq: 26 Jul 2021 19:42



Tgt Ion: 128 Resp: 1923
Ion Ratio Lower Upper
128 100
127 7.2 10.6 16.0#
129 0.0 8.6 12.8#

