

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070032.D
 Acq On : 11 Aug 2021 19:26
 Operator : VA/SY
 Sample : M3331-06
 Misc : 6.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:32:16 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)

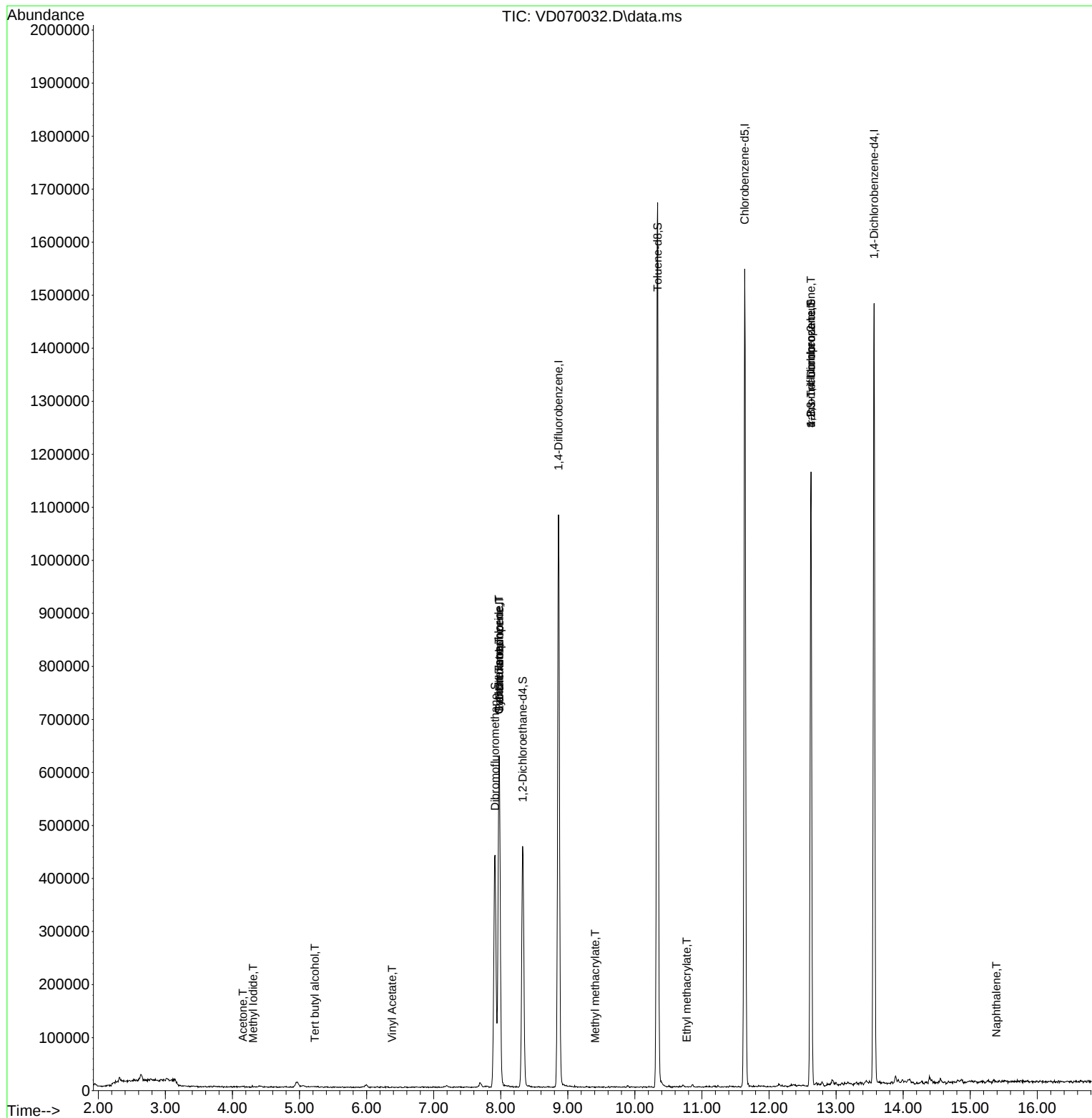
Internal Standards						
1) Pentafluorobenzene	7.979	168	458578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	912347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	886932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	388109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	363203	68.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.740%			
35) Dibromofluoromethane	7.914	113	326414	56.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.500%			
50) Toluene-d8	10.338	98	1165254	52.543	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.626	95	383872	51.793	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.580%			
Target Compounds						
5) Bromomethane	2.773	94	2848	Below Cal	#	73
10) Methyl Iodide	4.309	142	811	3.595	ug/l #	44
11) Tert butyl alcohol	5.226	59	479	1.755	ug/l #	73
16) Acetone	4.156	43	2575	2.703	ug/l	91
20) Methylene Chloride	4.962	84	8024	Below Cal	#	75
23) Vinyl Acetate	6.379	43	70	20.356	ug/l #	71
31) Cyclohexane	7.973	56	10832	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	40692	4.133	ug/l #	49
38) Carbon Tetrachloride	7.973	117	47686	5.302	ug/l #	17
48) Methyl methacrylate	9.408	41	56	2.762	ug/l #	1
56) Ethyl methacrylate	10.773	69	191	3.923	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	189641	45.970	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	189641	139.461	ug/l #	16
95) Naphthalene	15.390	128	431	5.029	ug/l #	85

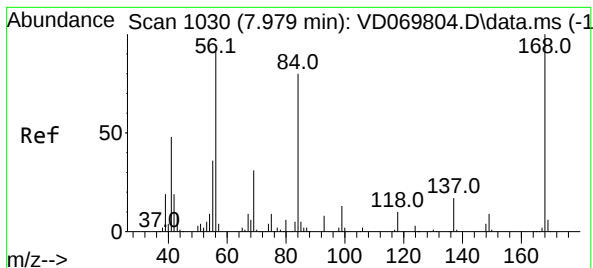
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 12 05:32:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
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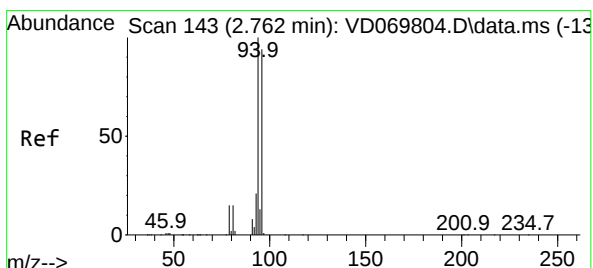
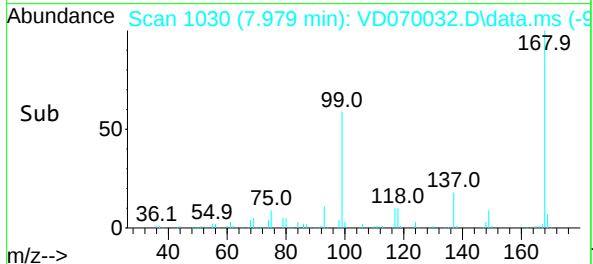
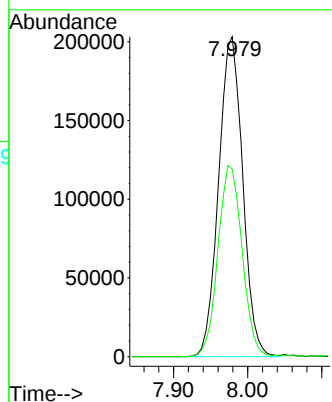
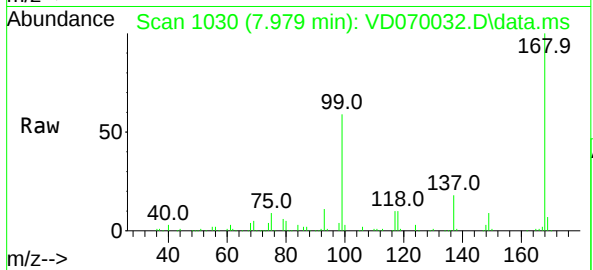




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

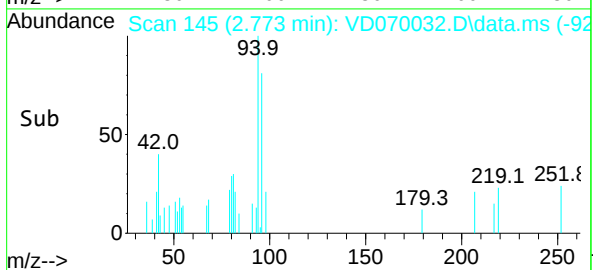
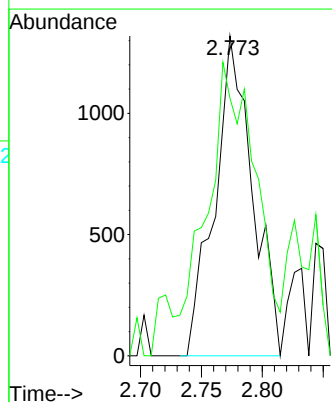
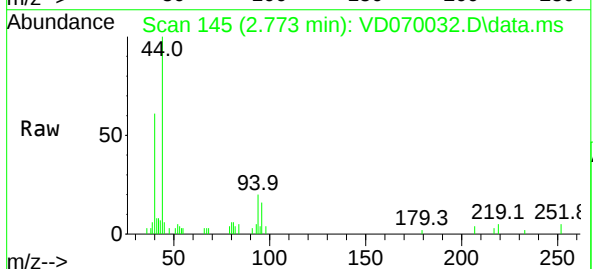
Instrument :
MSVOA_D
ClientSampled :

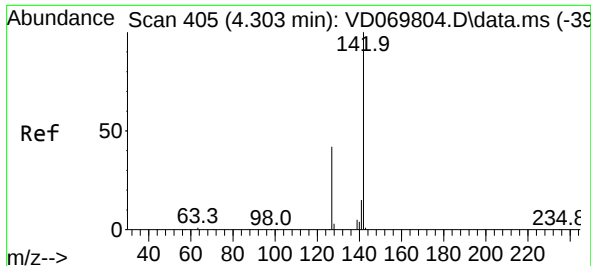
Tgt Ion:168 Resp: 458578
Ion Ratio Lower Upper
168 100
99 58.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

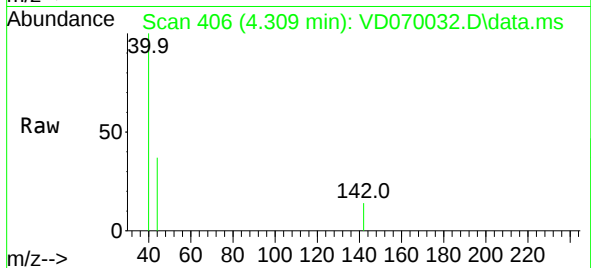
Tgt Ion: 94 Resp: 2848
Ion Ratio Lower Upper
94 100
96 67.9 74.8 112.2#



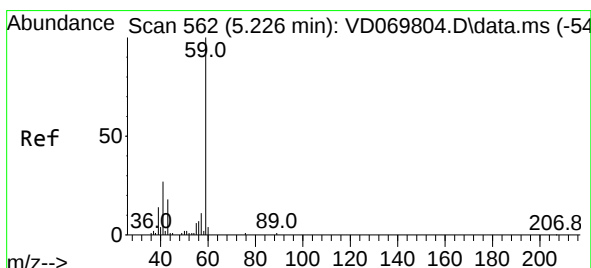
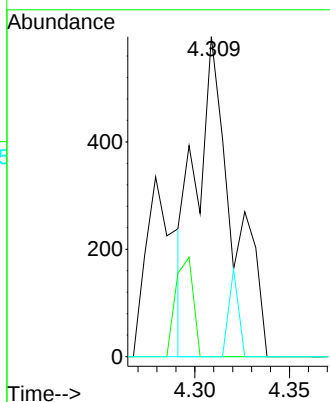
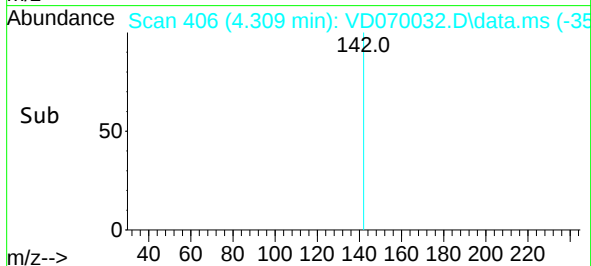


#10
Methyl Iodide
Concen: 3.595 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

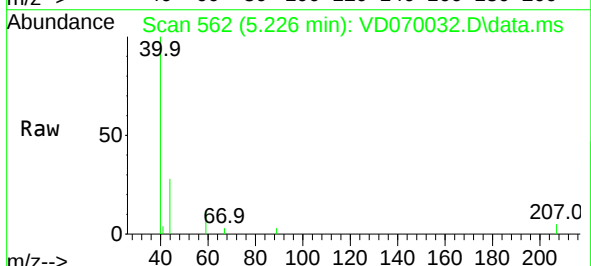
Instrument :
MSVOA_D
ClientSampled :



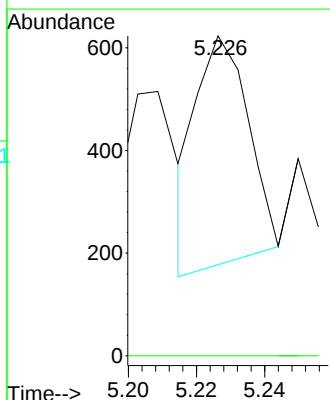
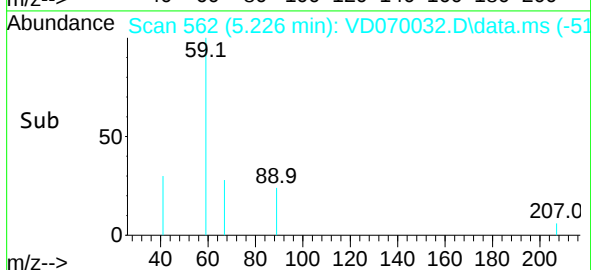
Tgt Ion:142 Resp: 811
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 7.2 12.0 18.0#

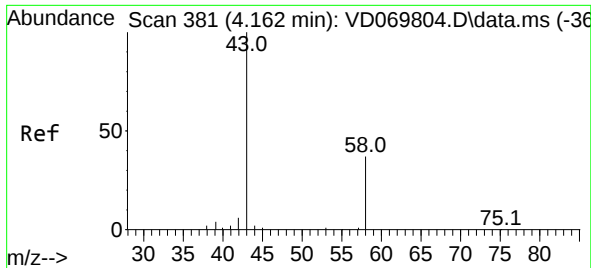


#11
Tert butyl alcohol
Concen: 1.755 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26



Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

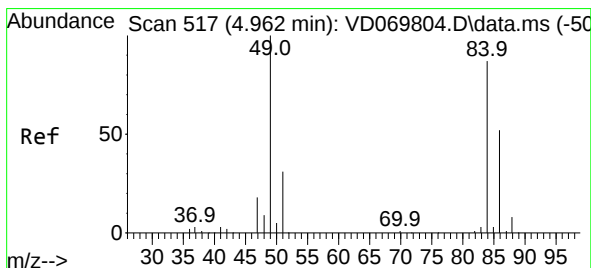
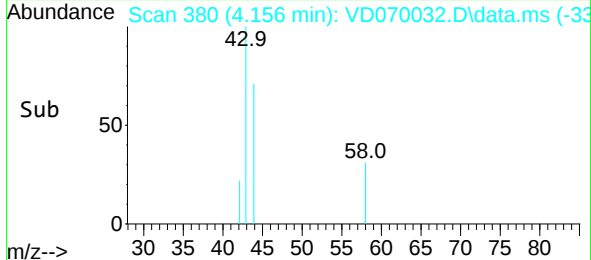
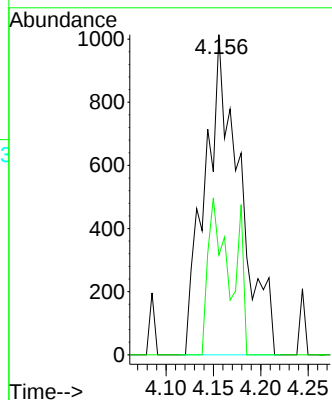
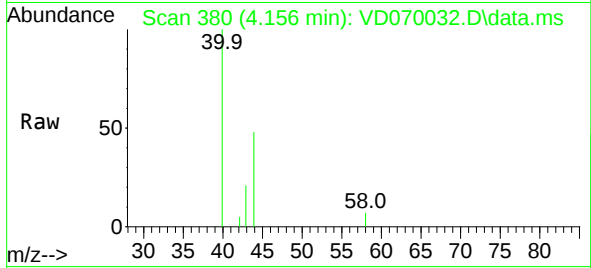




#16
Acetone
Concen: 2.703 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

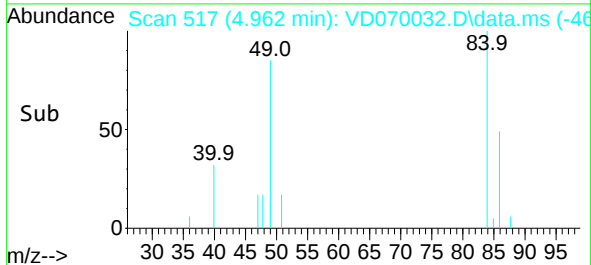
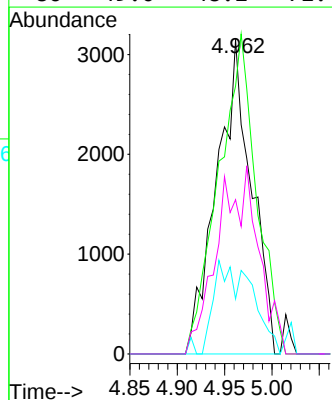
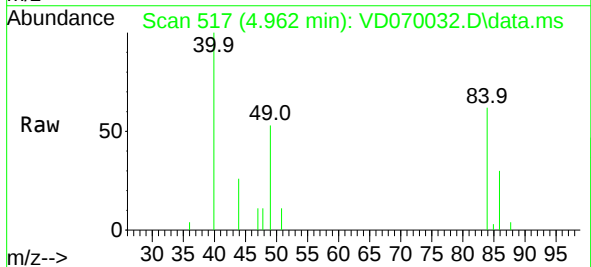
Instrument :
MSVOA_D
ClientSampleId :

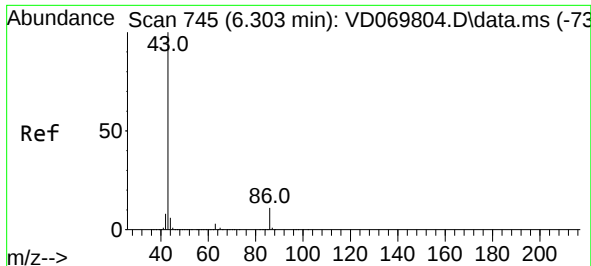
Tgt Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
58 31.2 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 84 Resp: 8024
Ion Ratio Lower Upper
84 100
49 85.2 92.4 138.6#
51 17.5 28.5 42.7#
86 49.0 48.2 72.4

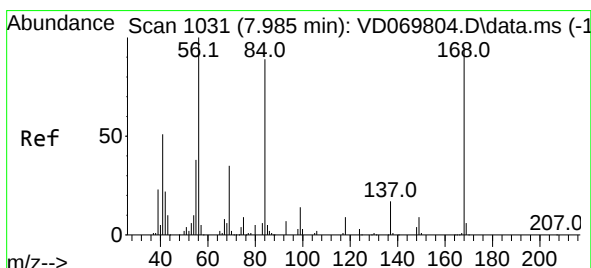
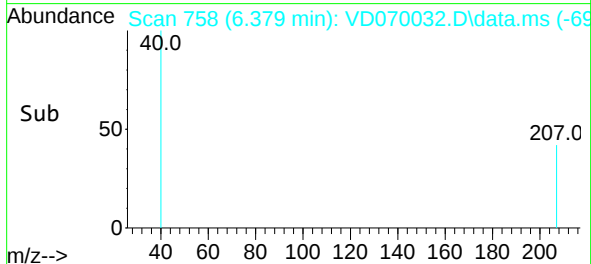
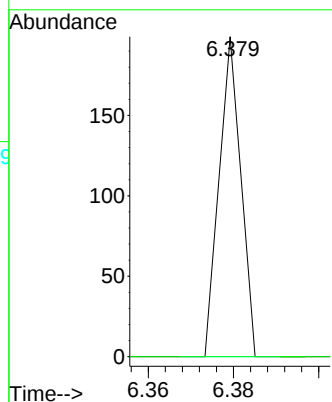
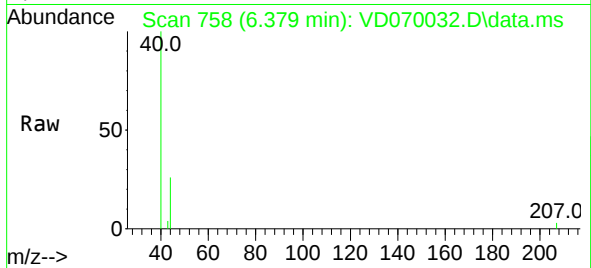




#23
 Vinyl Acetate
 Concen: 20.356 ug/l
 RT: 6.379 min Scan# 758
 Delta R.T. 0.076 min
 Lab File: VD070032.D
 Acq: 11 Aug 2021 19:26

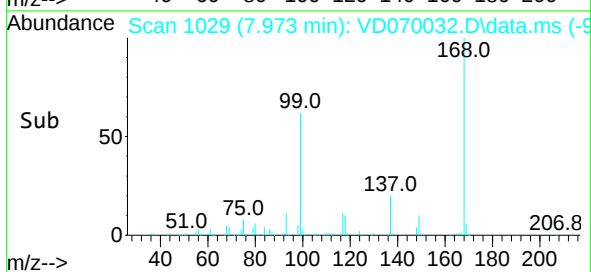
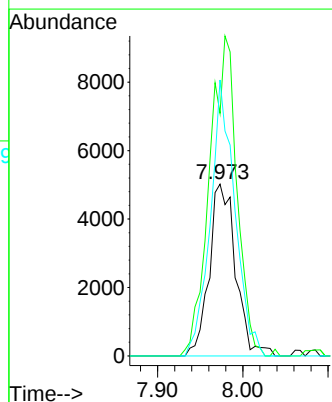
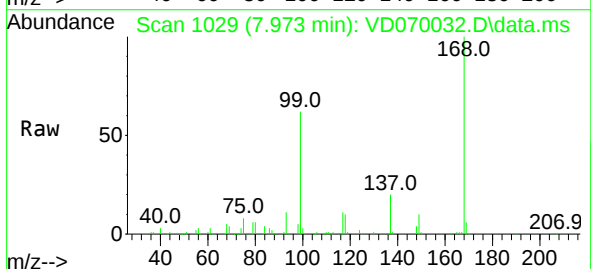
Instrument :
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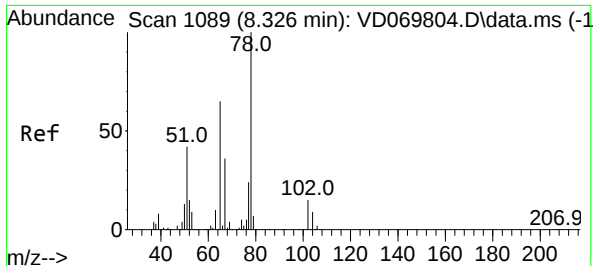
Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.051 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070032.D
 Acq: 11 Aug 2021 19:26

Tgt Ion: 56 Resp: 10832
 Ion Ratio Lower Upper
 56 100
 69 141.2 27.9 41.9#
 84 160.7 71.4 107.2#

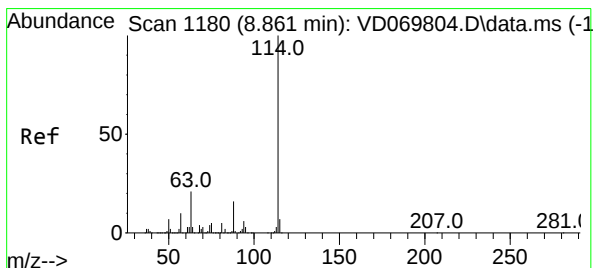
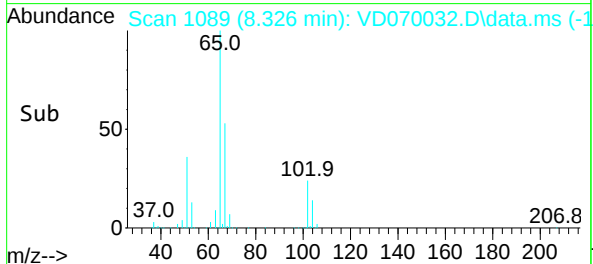
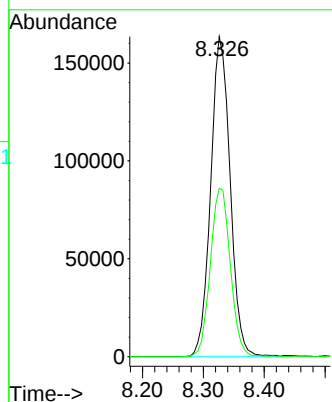
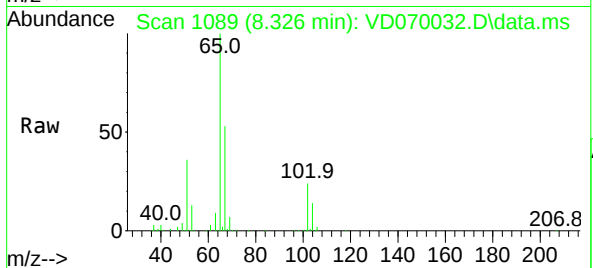




#33
1,2-Dichloroethane-d4
Concen: 68.866 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

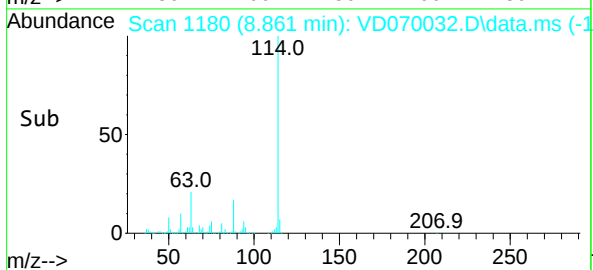
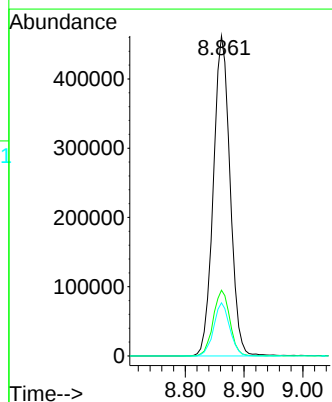
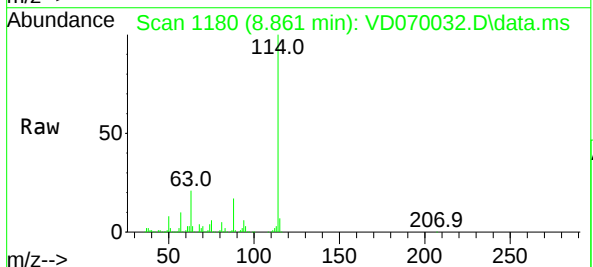
Instrument :
MSVOA_D
ClientSampleId :

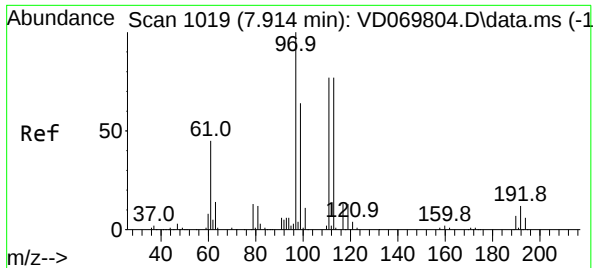
Tgt Ion: 65 Resp: 363203
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion:114 Resp: 912347
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.6
88 16.6 0.0 31.4

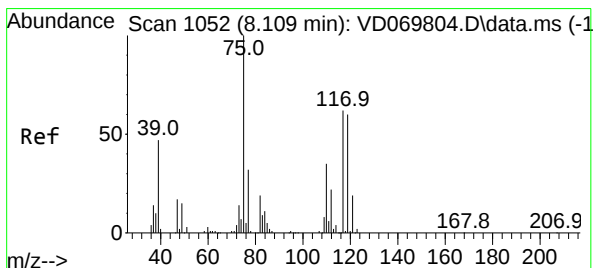
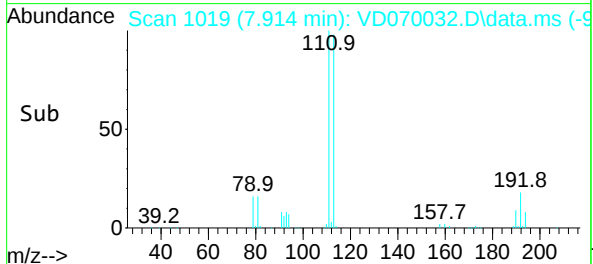
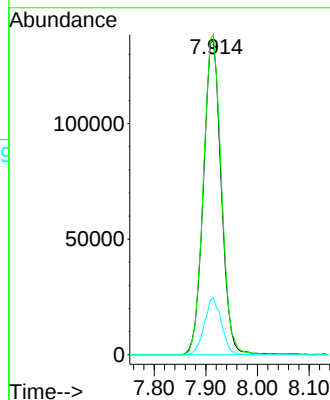
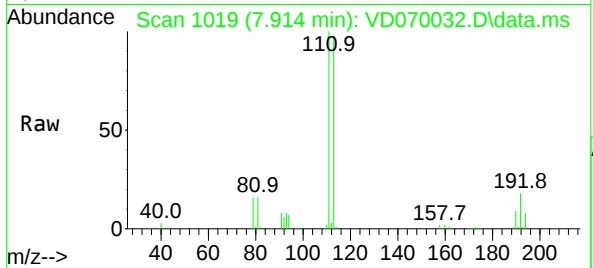




#35
Dibromofluoromethane
Concen: 56.754 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

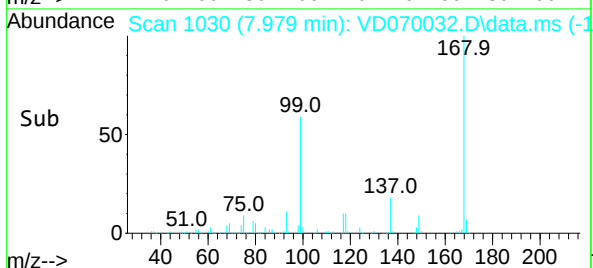
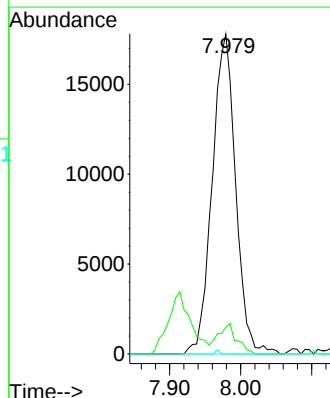
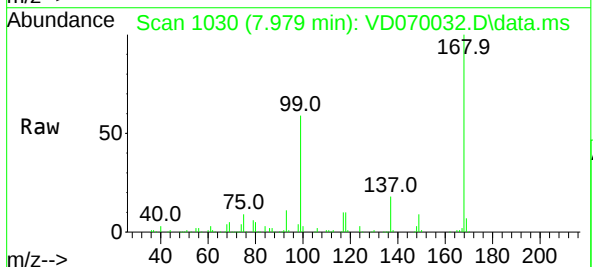
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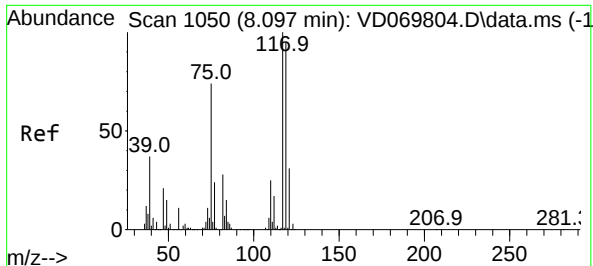
Tgt Ion:113 Resp: 326414
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 17.2 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 75 Resp: 40692
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.2 24.9 37.3#

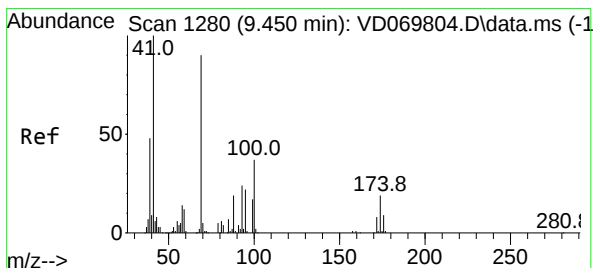
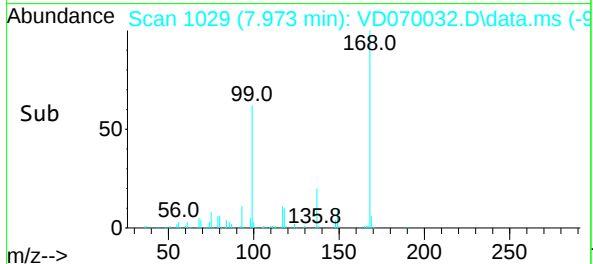
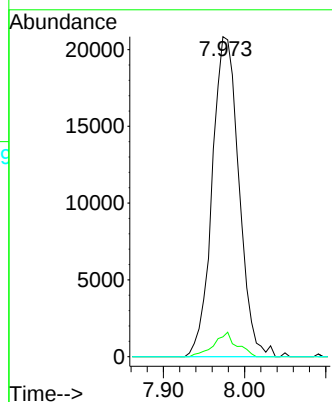
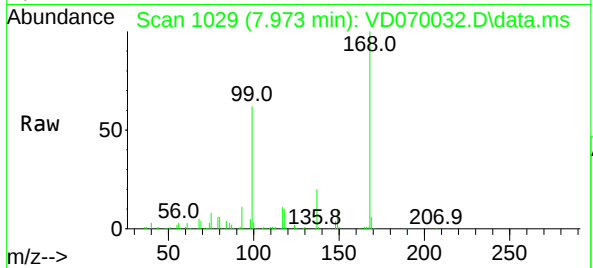




#38
Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

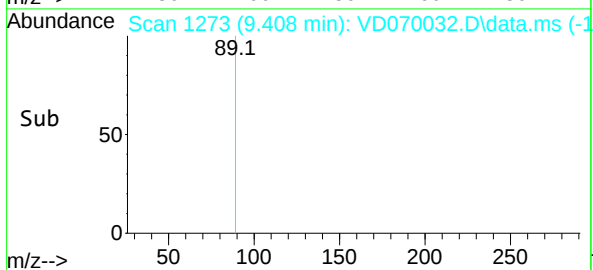
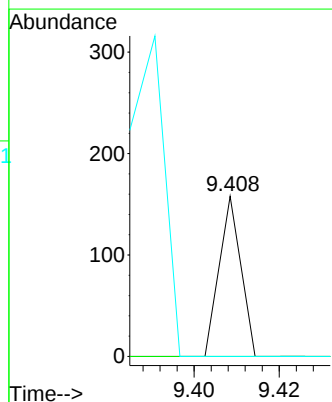
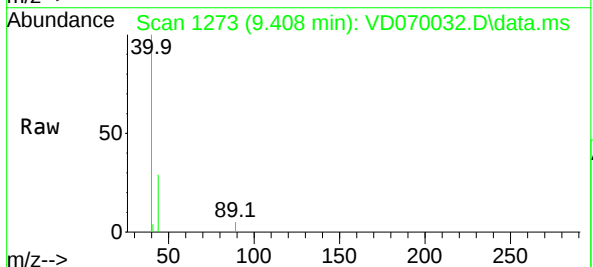
Instrument :
MSVOA_D
ClientSampled :

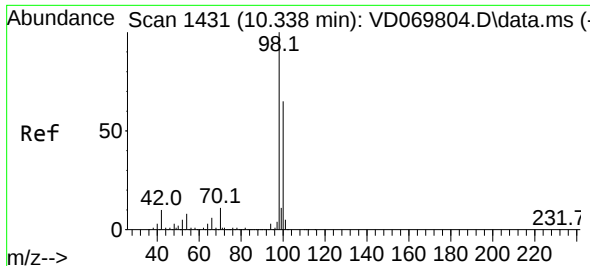
Tgt Ion:117 Resp: 47686
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.762 ug/l
RT: 9.408 min Scan# 1273
Delta R.T. -0.042 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 339.3 36.6 55.0#

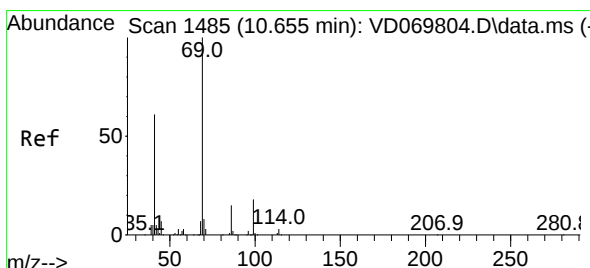
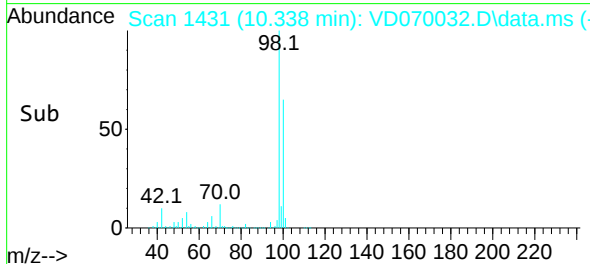
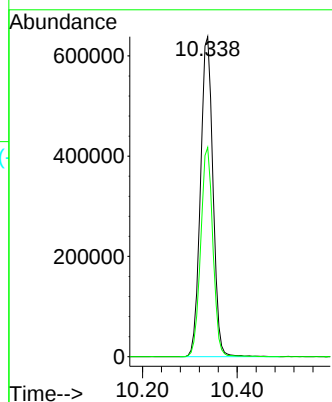
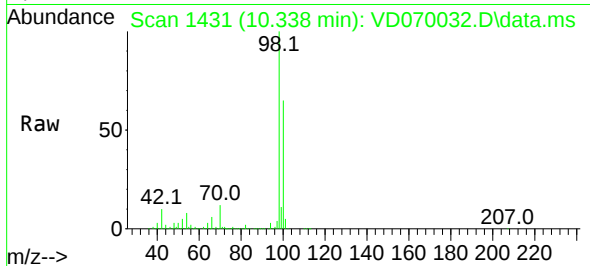




#50
Toluene-d8
Concen: 52.543 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

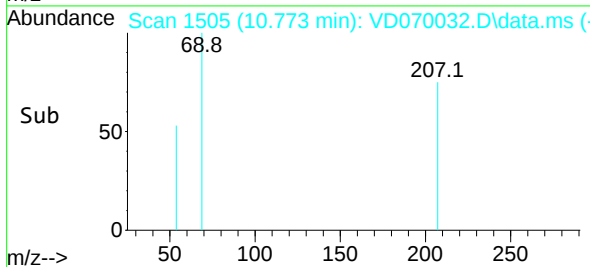
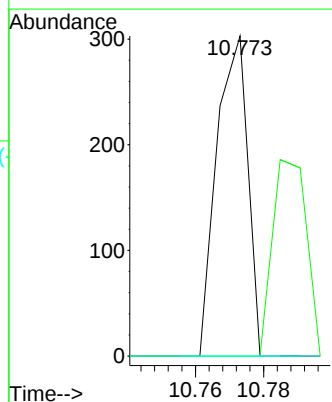
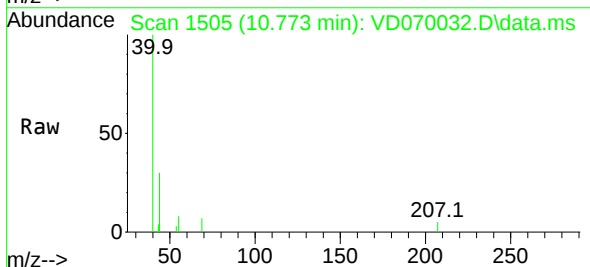
Instrument :
MSVOA_D
ClientSampleId :

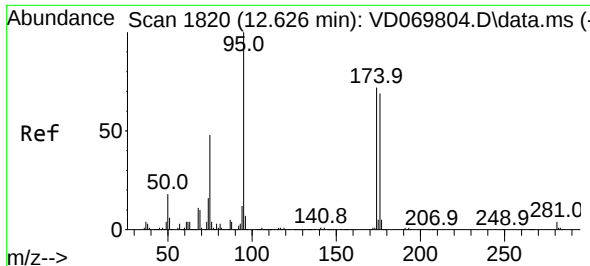
Tgt Ion: 98 Resp: 1165254
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.923 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. 0.118 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 69 Resp: 191
Ion Ratio Lower Upper
69 100
41 67.0 50.2 75.2
39 0.0 22.0 33.0#

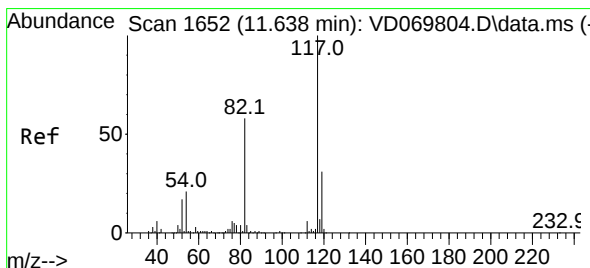
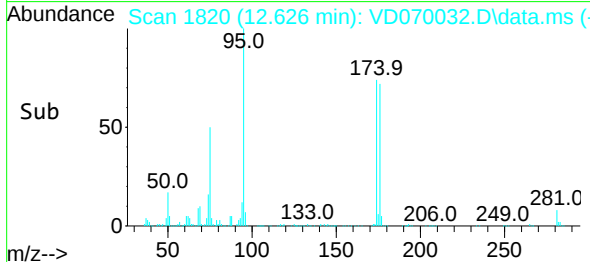
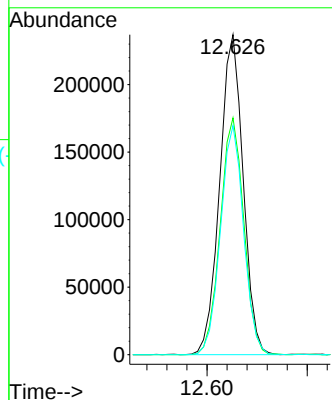
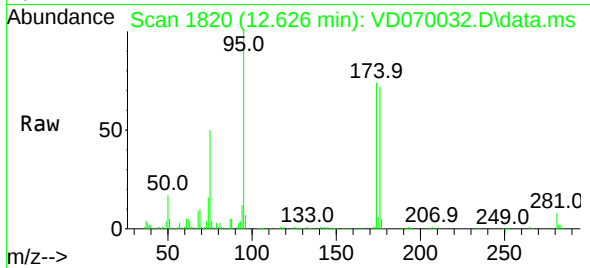




#62
4-Bromofluorobenzene
Concen: 51.793 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

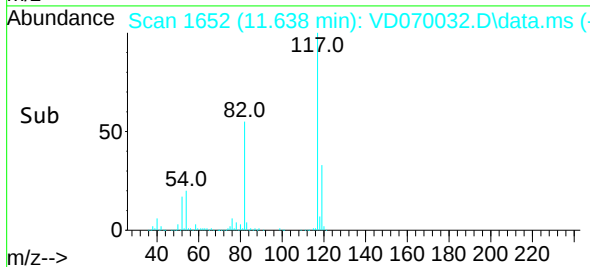
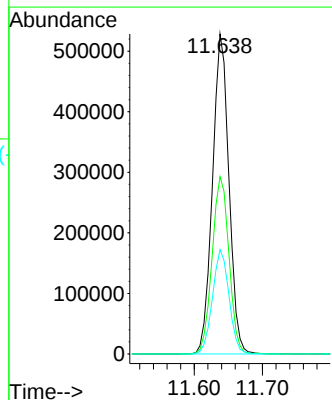
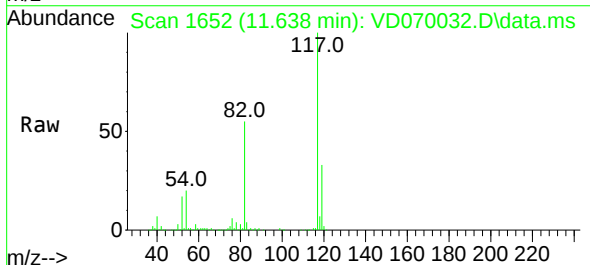
Instrument :
MSVOA_D
ClientSampleId :

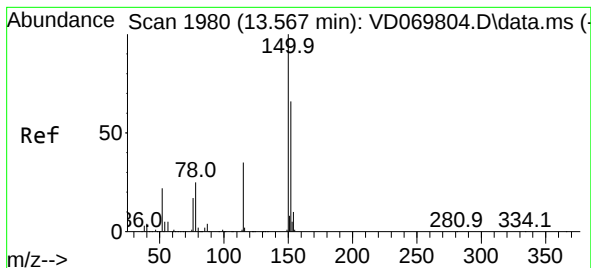
Tgt Ion: 95 Resp: 383872
Ion Ratio Lower Upper
95 100
174 74.3 0.0 142.6
176 70.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 117 Resp: 886932
Ion Ratio Lower Upper
117 100
82 55.4 46.3 69.5
119 32.6 24.7 37.1

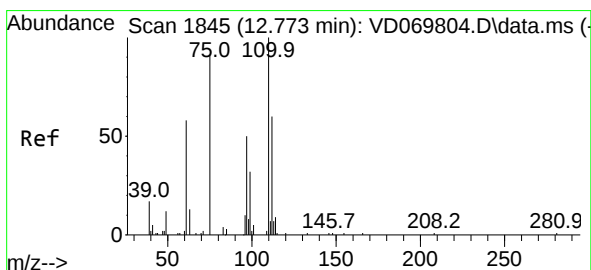
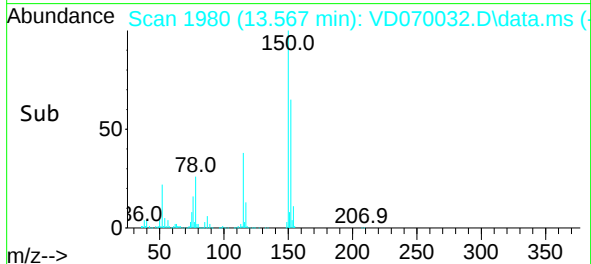
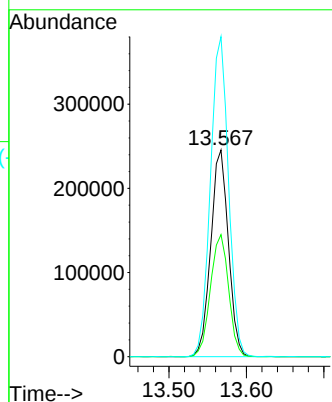
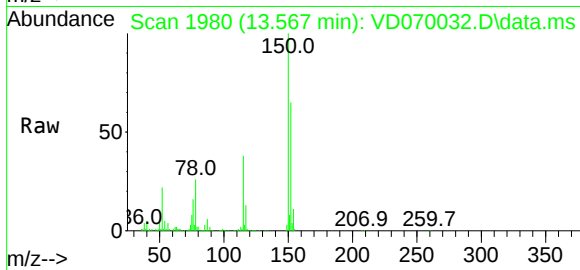




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

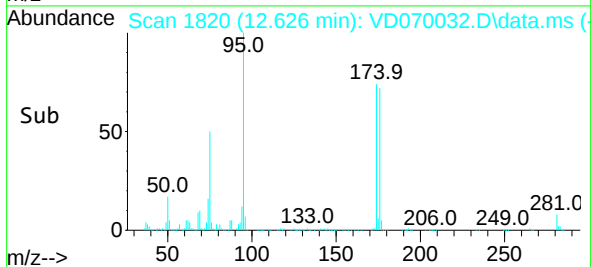
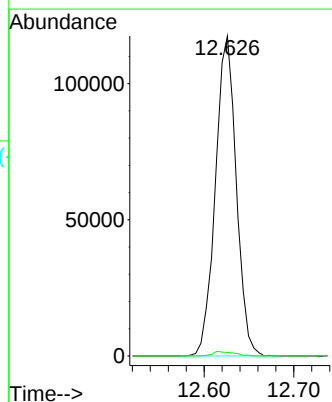
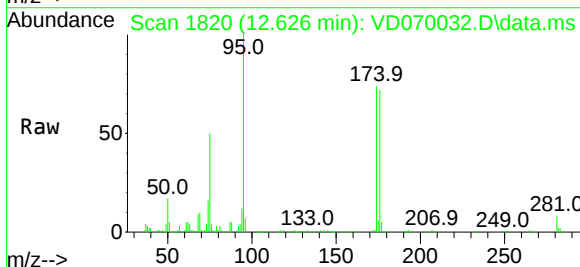
Instrument :
MSVOA_D
ClientSampleId :

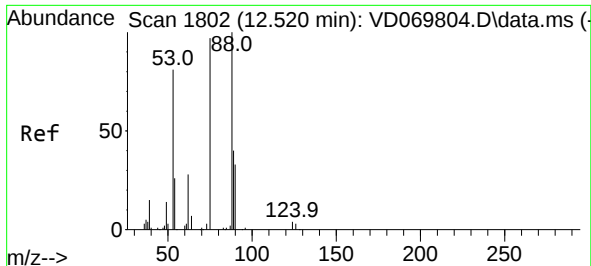
Tgt Ion:152 Resp: 388109
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.3
150 158.4 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 45.970 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion: 75 Resp: 189641
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#

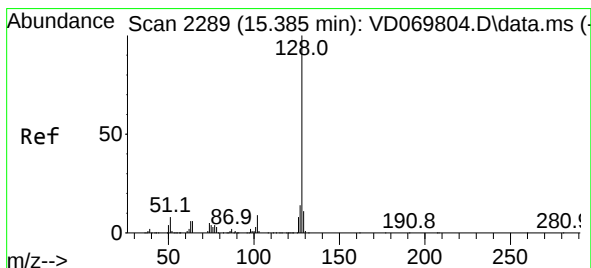
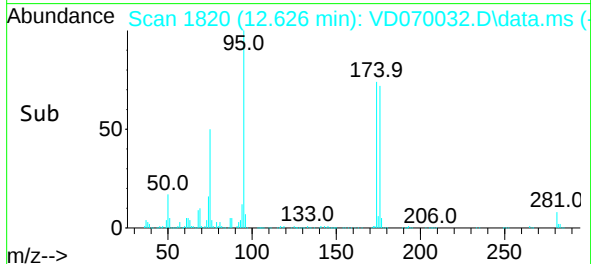
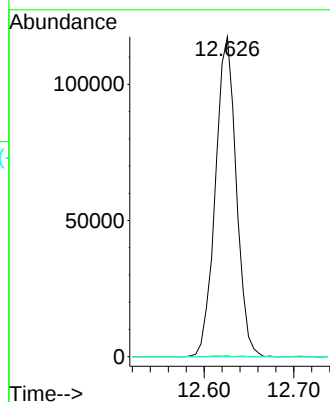
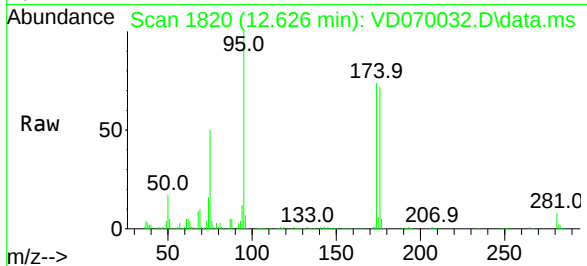




#81
trans-1,4-Dichloro-2-butene
Concen: 139.461 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 189641
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.029 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070032.D
Acq: 11 Aug 2021 19:26

Tgt Ion:128 Resp: 431
Ion Ratio Lower Upper
128 100
127 15.3 10.6 16.0
129 0.0 8.6 12.8#

