

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070021.D
 Acq On : 11 Aug 2021 14:09
 Operator : VA/SY
 Sample : M3335-01RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:29:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

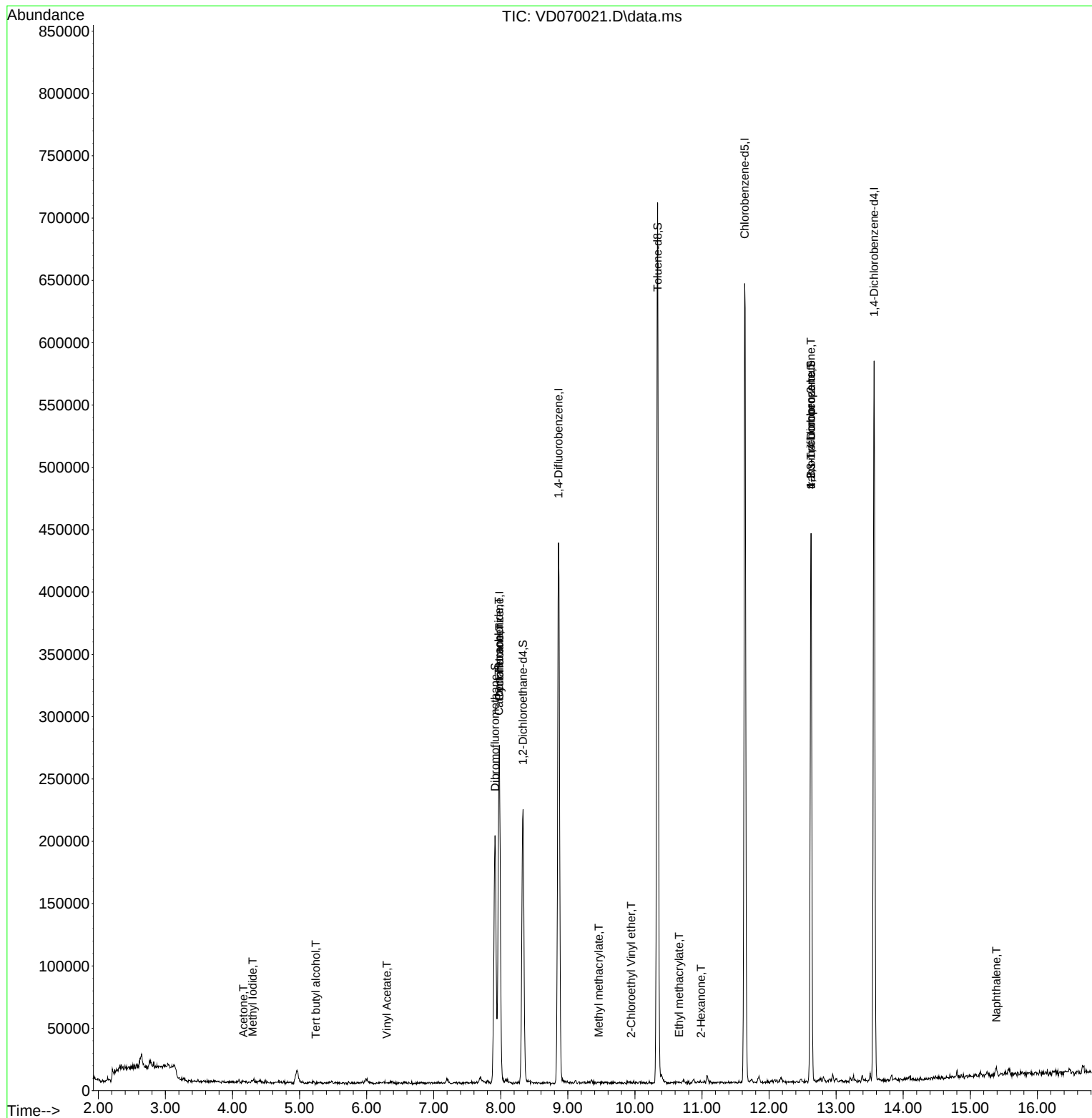
Internal Standards						
1) Pentafluorobenzene	7.979	168	190652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	376384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	380071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	154703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	170387	77.708	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.420%	
35) Dibromofluoromethane	7.914	113	144336	60.831	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.660%	
50) Toluene-d8	10.338	98	480390	52.507	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.020%	
62) 4-Bromofluorobenzene	12.626	95	154805	50.629	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.260%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	2956	4.623	ug/l #	79
11) Tert butyl alcohol	5.244	59	170	1.498	ug/l #	73
16) Acetone	4.161	43	1827	4.613	ug/l #	67
20) Methylene Chloride	4.961	84	8118	Below Cal	#	88
23) Vinyl Acetate	6.303	43	124	20.379	ug/l #	71
31) Cyclohexane	7.979	56	5297	1.236	ug/l #	1
38) Carbon Tetrachloride	7.973	117	19259	5.191	ug/l #	16
48) Methyl methacrylate	9.461	41	61	2.788	ug/l #	13
56) Ethyl methacrylate	10.661	69	63	3.918	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.944	63	300	21.106	ug/l #	48
59) 2-Hexanone	10.985	43	915	1.002	ug/l #	30
76) 1,2,3-Trichloropropane	12.626	75	77137	46.909	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	77137	142.311	ug/l #	16
95) Naphthalene	15.390	128	6645	6.181	ug/l #	95

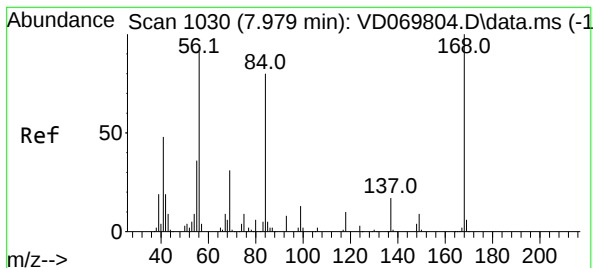
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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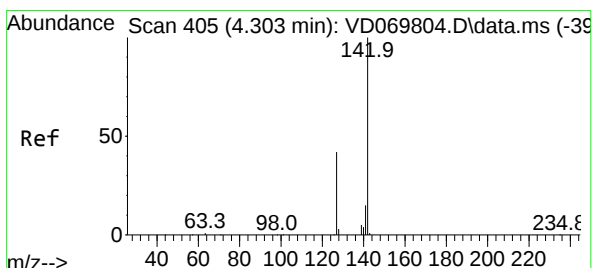
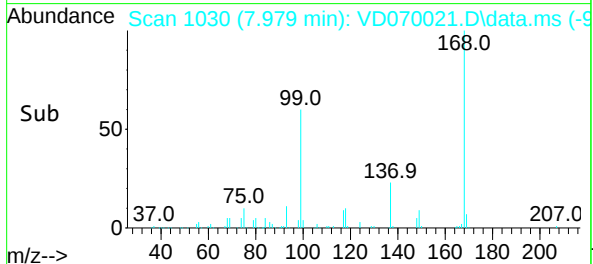
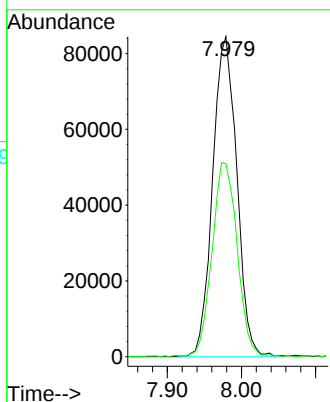
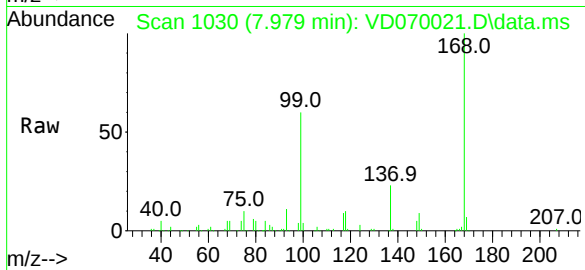




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

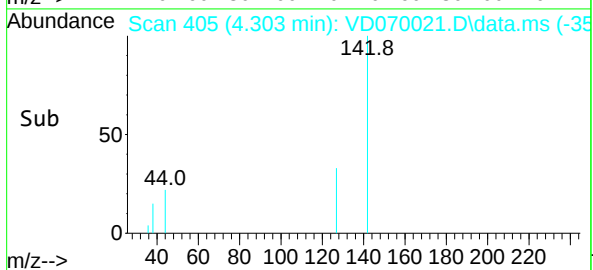
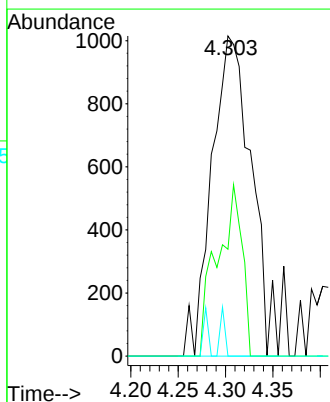
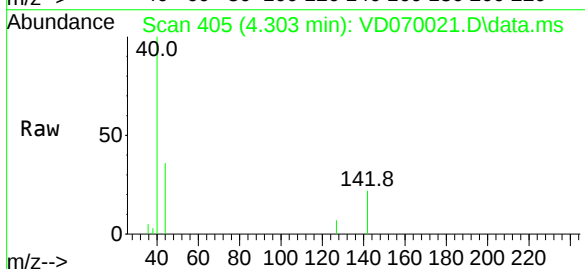
Instrument :
MSVOA_D
ClientSampled :

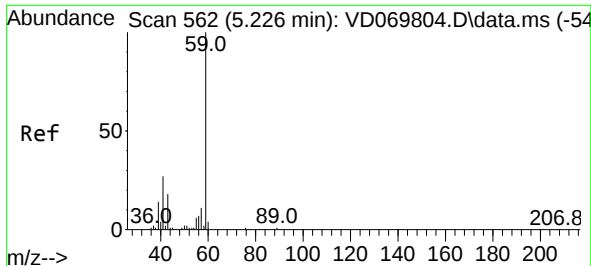
Tgt Ion:168 Resp: 190652
Ion Ratio Lower Upper
168 100
99 60.0 51.1 76.7



#10
Methyl Iodide
Concen: 4.623 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

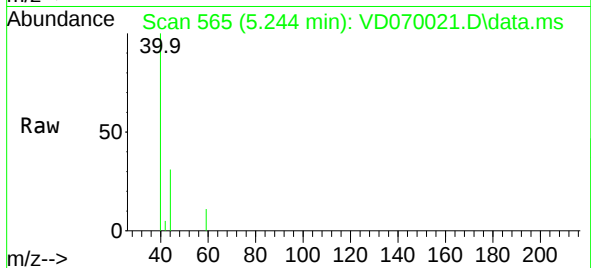
Tgt Ion:142 Resp: 2956
Ion Ratio Lower Upper
142 100
127 33.6 35.7 53.5#
141 1.9 12.0 18.0#



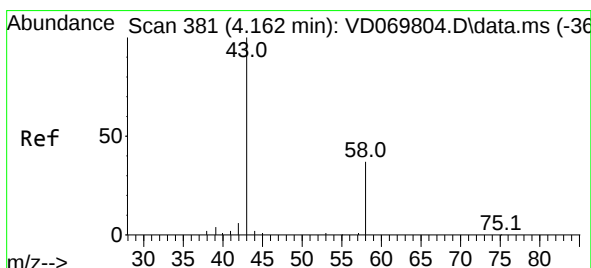
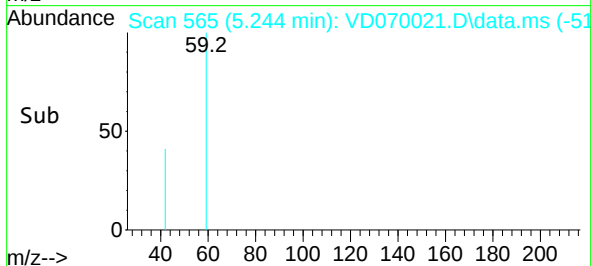
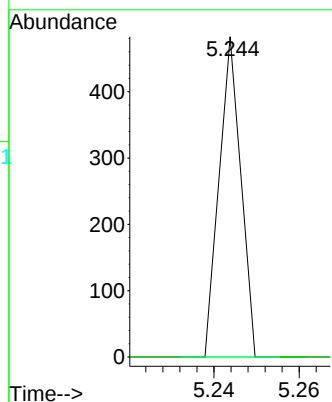


#11
Tert butyl alcohol
Concen: 1.498 ug/l
RT: 5.244 min Scan# 565
Delta R.T. 0.017 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Instrument :
MSVOA_D
ClientSampled :

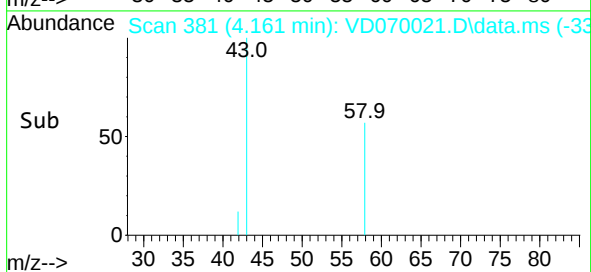
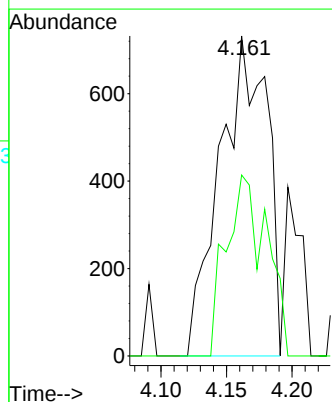
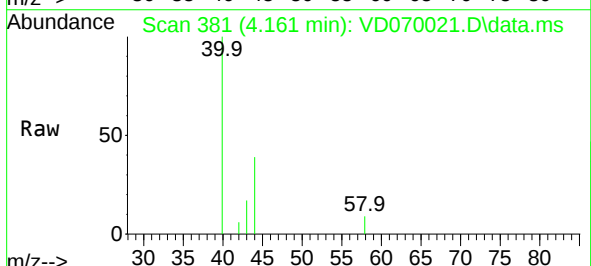


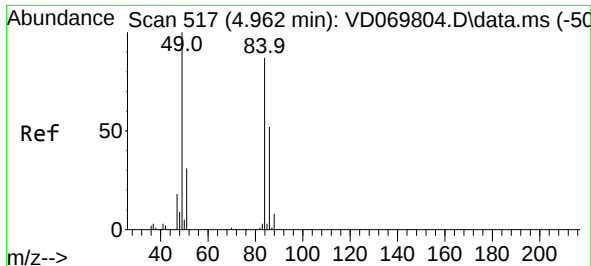
Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 4.613 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

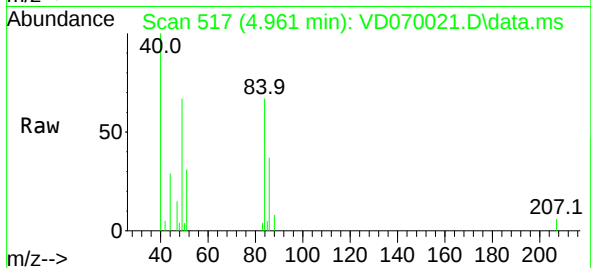
Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 56.6 29.4 44.0#



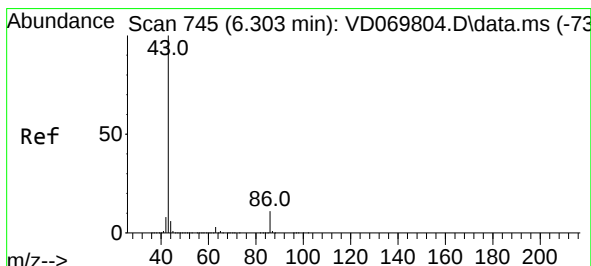
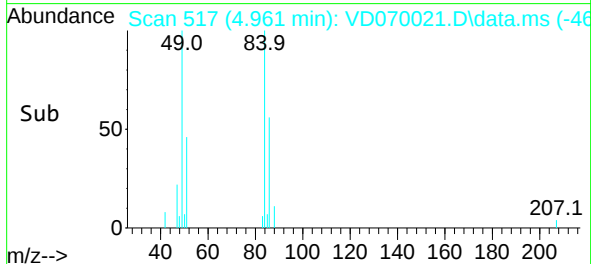
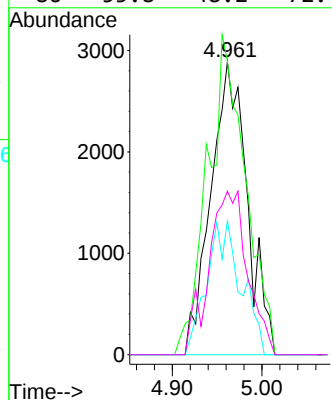


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Instrument :
MSVOA_D
ClientSampleId :

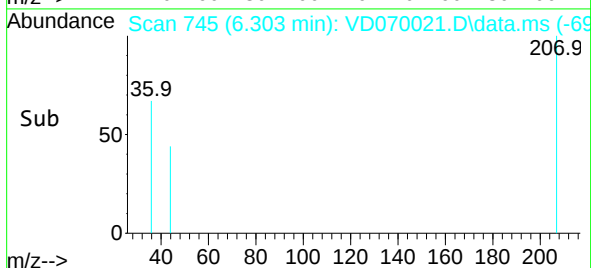
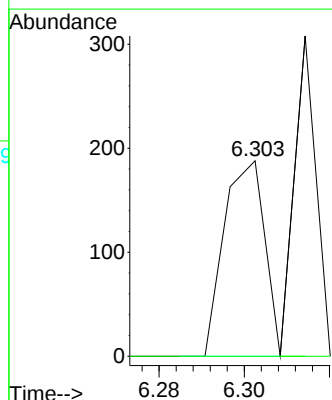
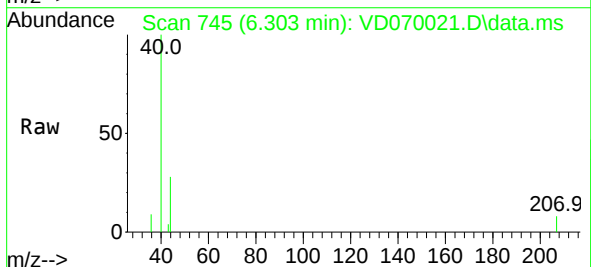


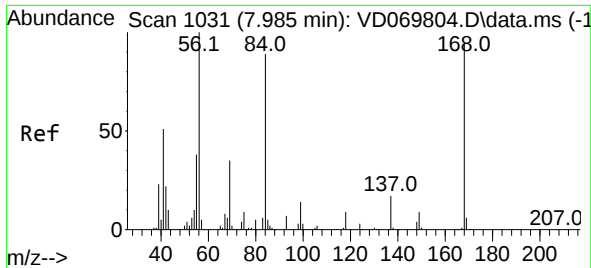
Tgt Ion:	84	Resp:	8118
Ion	Ratio	Lower	Upper
84	100		
49	100.2	92.4	138.6
51	45.7	28.5	42.7#
86	55.8	48.2	72.4



#23
Vinyl Acetate
Concen: 20.379 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

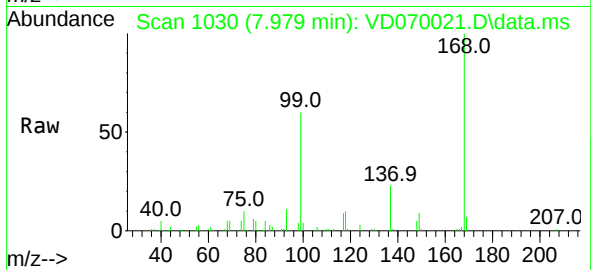
Tgt Ion:	43	Resp:	124
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



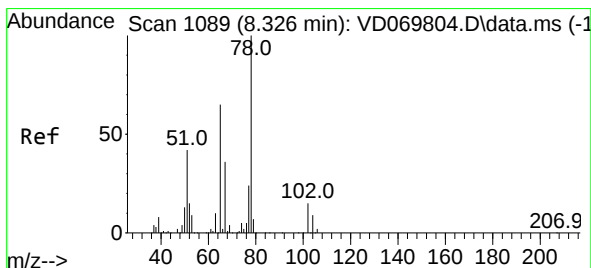
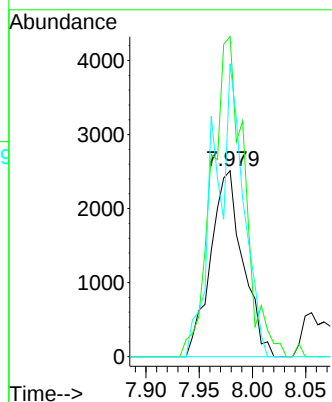
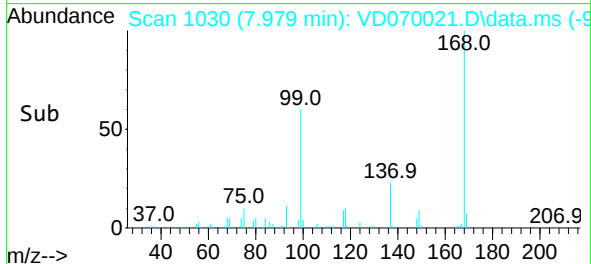


#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

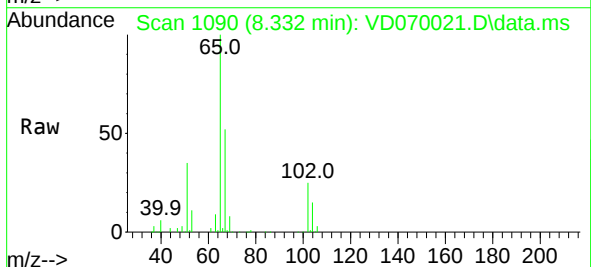
Instrument :
MSVOA_D
ClientSampleId :



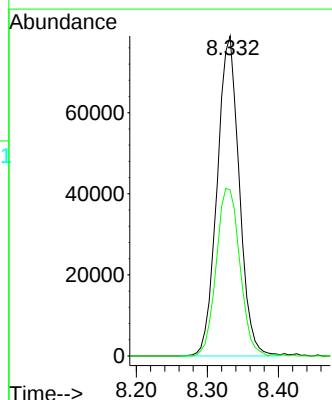
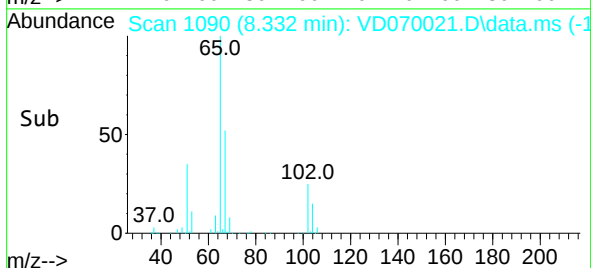
Tgt Ion: 56 Resp: 5297
Ion Ratio Lower Upper
56 100
69 172.1 27.9 41.9#
84 157.5 71.4 107.2#

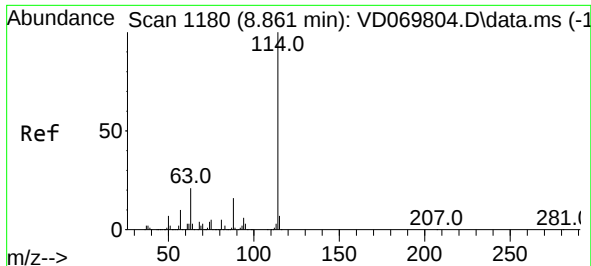


#33
1,2-Dichloroethane-d4
Concen: 77.708 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09



Tgt Ion: 65 Resp: 170387
Ion Ratio Lower Upper
65 100
67 55.9 0.0 111.2

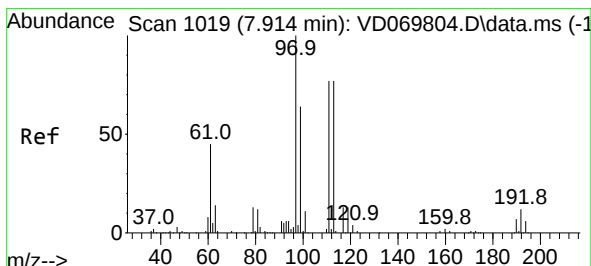
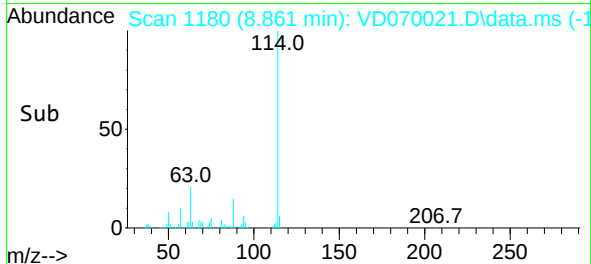
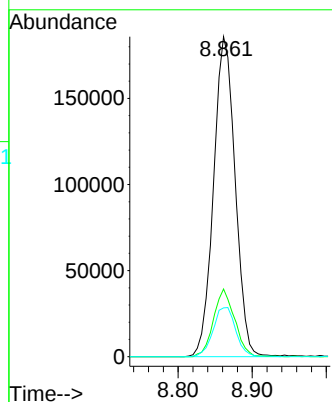
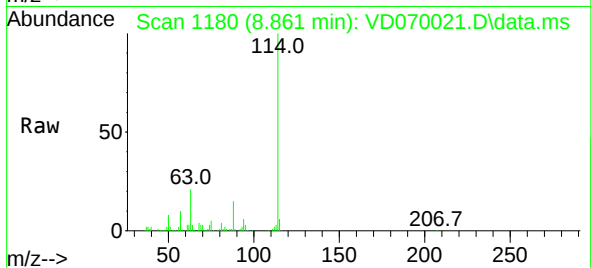




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

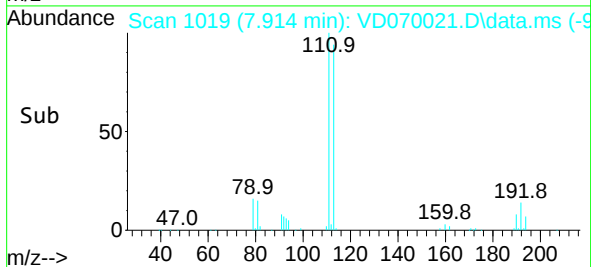
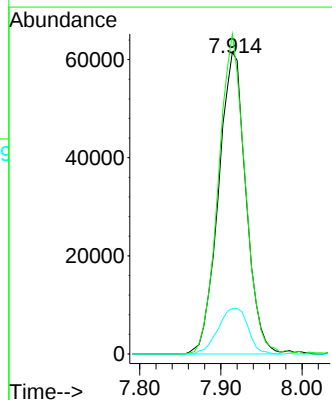
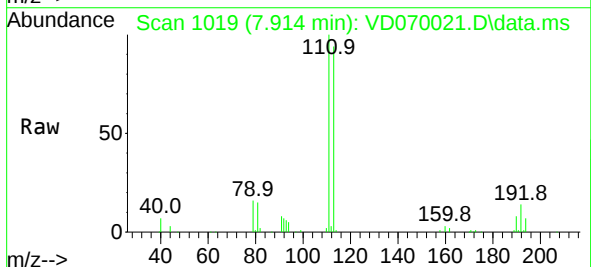
Instrument :
MSVOA_D
ClientSampleId :

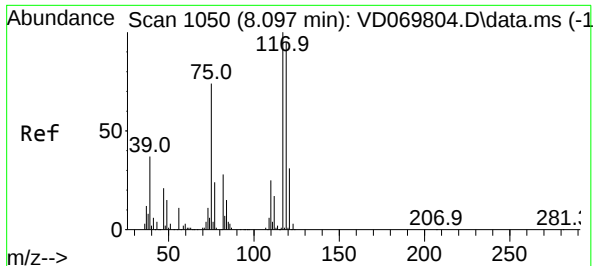
Tgt Ion:	114	Resp:	376384
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.6
88	15.3	0.0	31.4



#35
Dibromofluoromethane
Concen: 60.831 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion:	113	Resp:	144336
Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.5	120.7
192	16.5	12.6	19.0

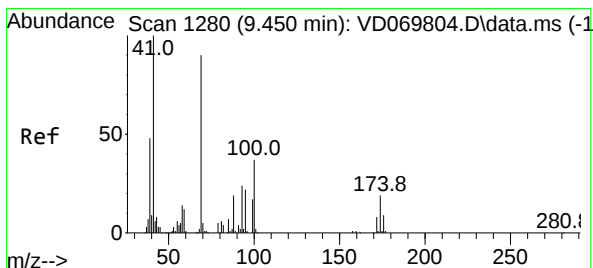
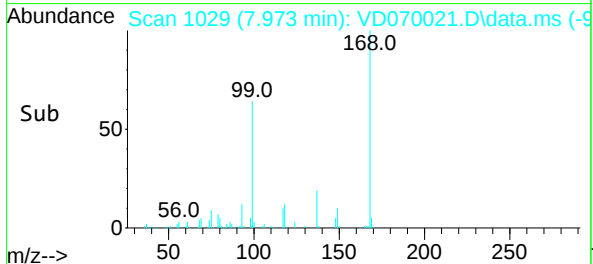
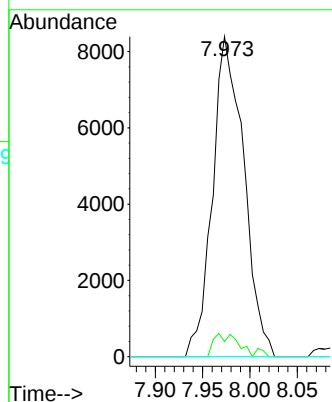
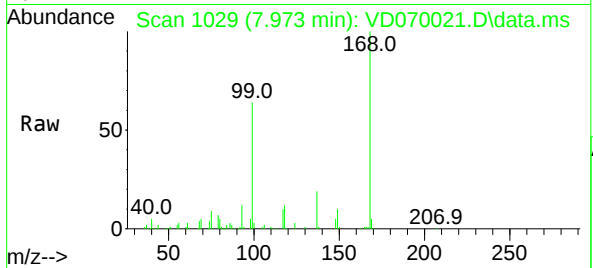




#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

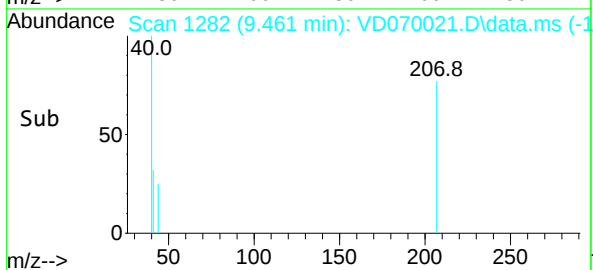
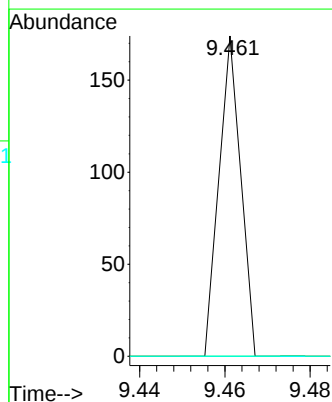
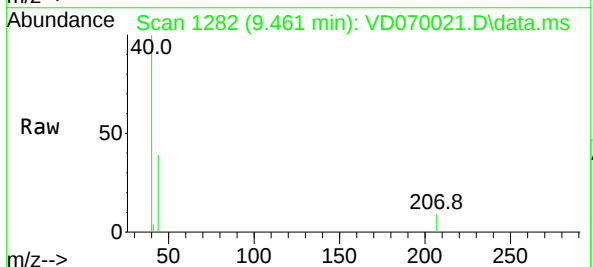
Instrument :
MSVOA_D
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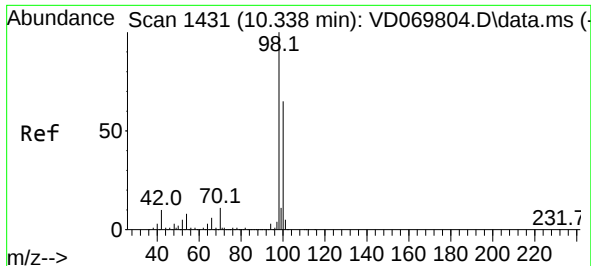
Tgt Ion: 117 Resp: 19259
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.788 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

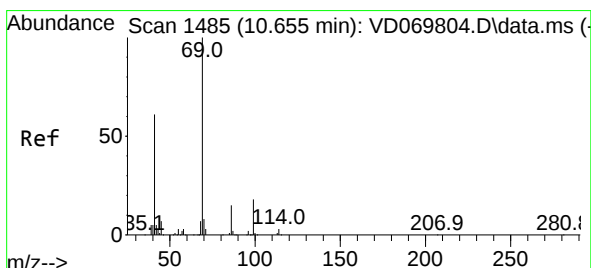
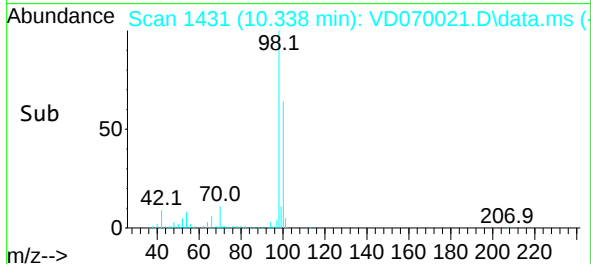
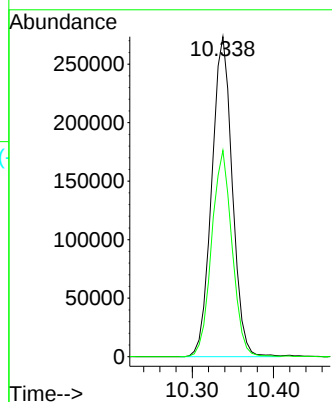
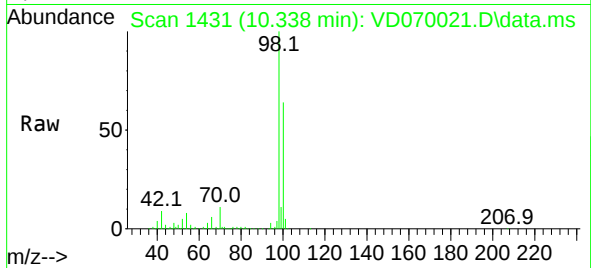




#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

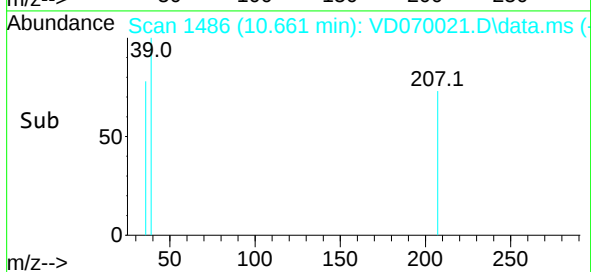
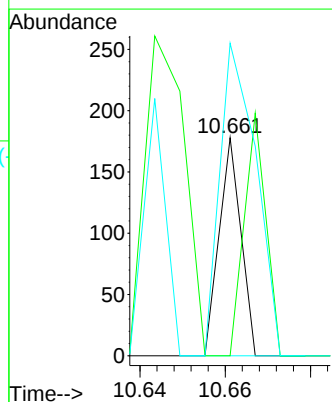
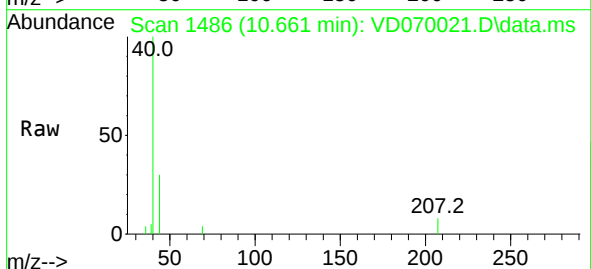
Instrument :
MSVOA_D
ClientSampled :

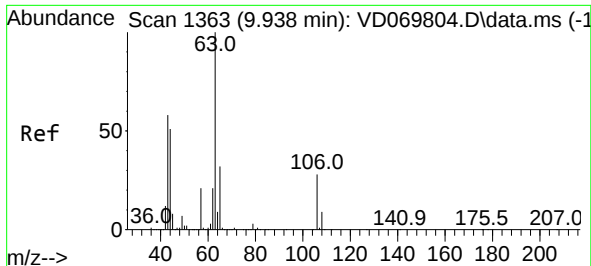
Tgt Ion: 98 Resp: 480390
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.918 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 111.1 50.2 75.2#
39 238.1 22.0 33.0#

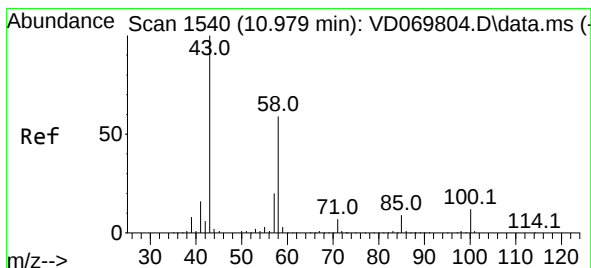
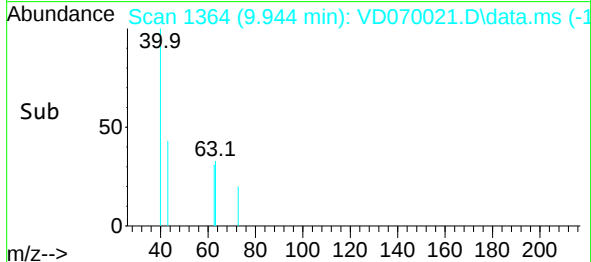
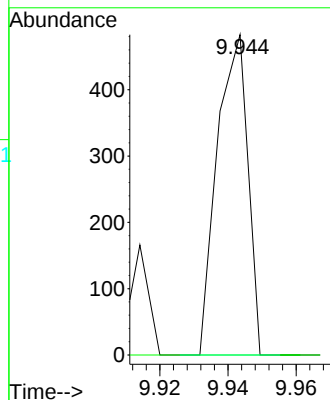
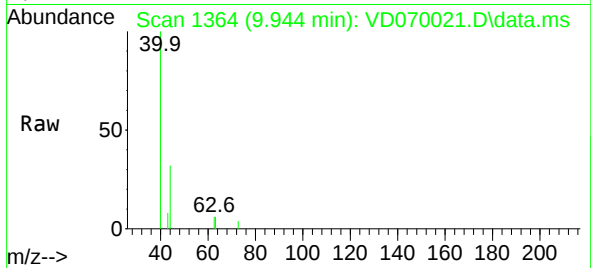




#58
2-Chloroethyl Vinyl ether
Concen: 21.106 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

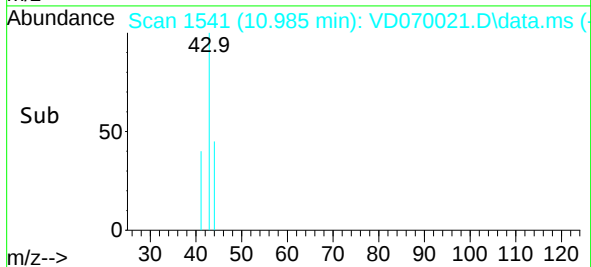
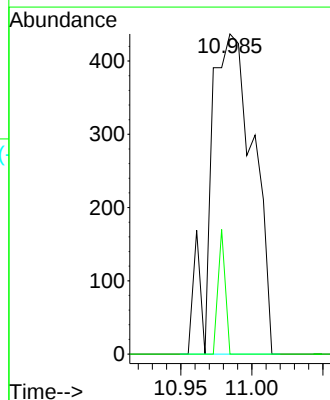
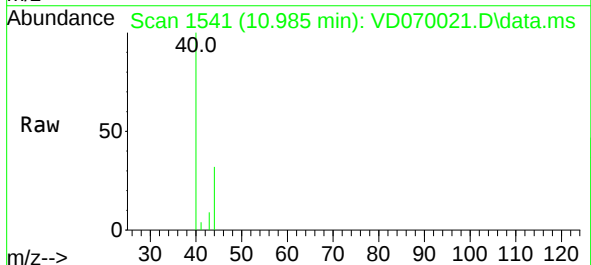
Instrument :
MSVOA_D
ClientSampleId :

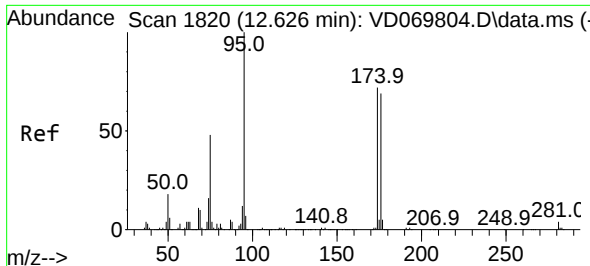
Tgt Ion: 63 Resp: 300
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.002 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 6.6 29.4 88.3#

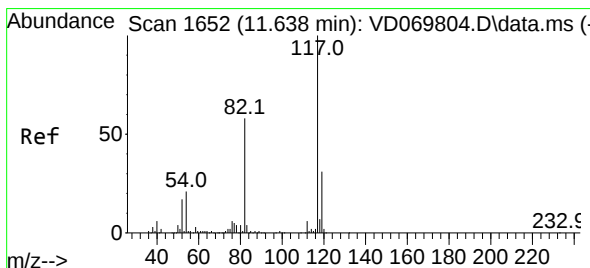
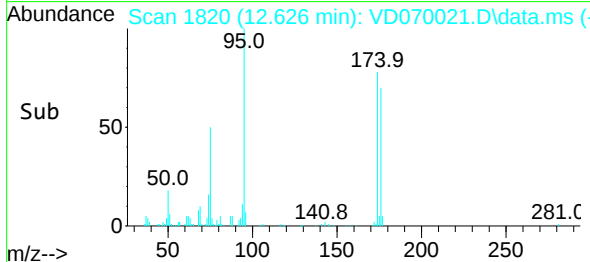
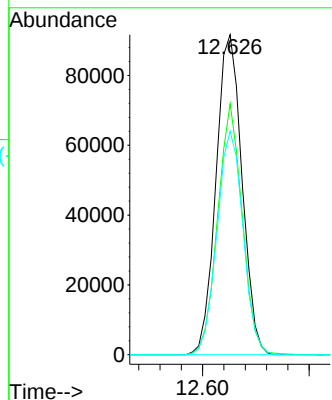
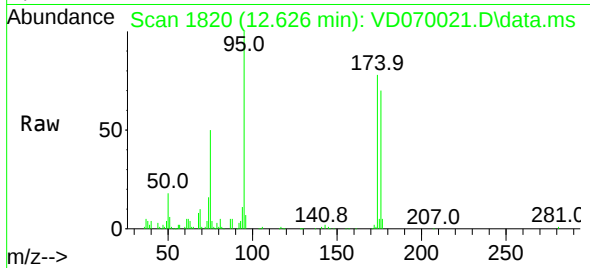




#62
4-Bromofluorobenzene
Concen: 50.629 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

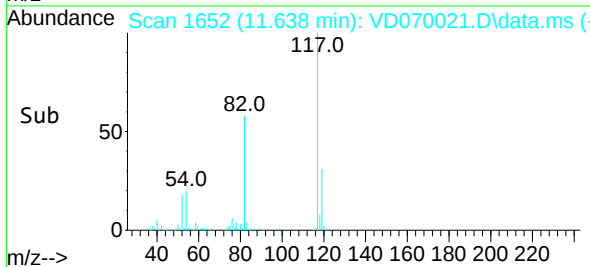
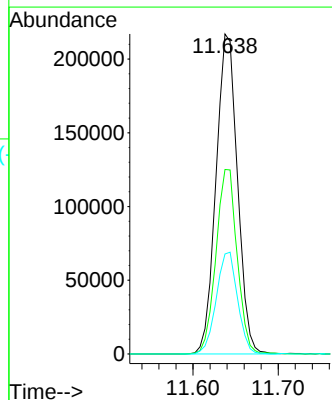
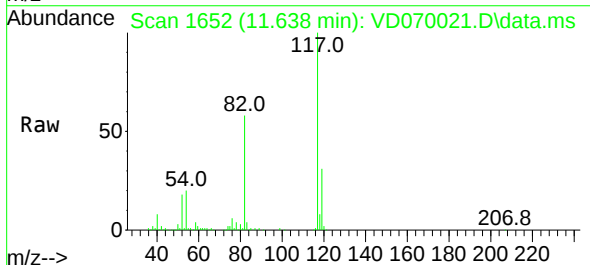
Instrument :
MSVOA_D
ClientSampleId :

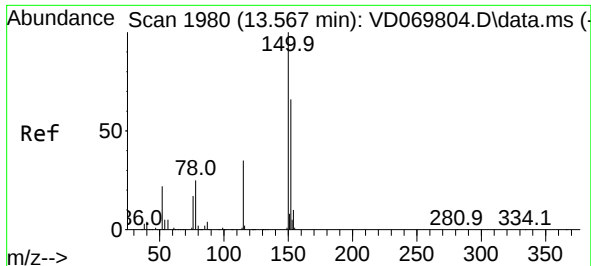
Tgt Ion: 95 Resp: 154805
Ion Ratio Lower Upper
95 100
174 74.3 0.0 142.6
176 70.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion: 117 Resp: 380071
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 31.2 24.7 37.1

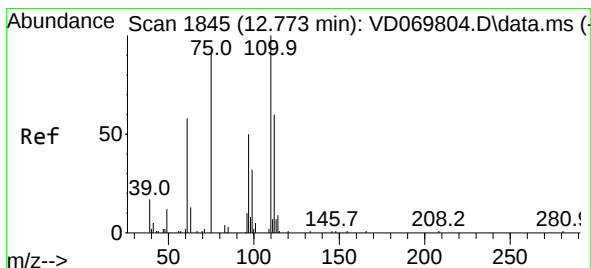
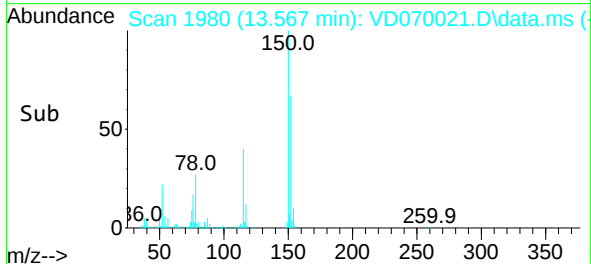
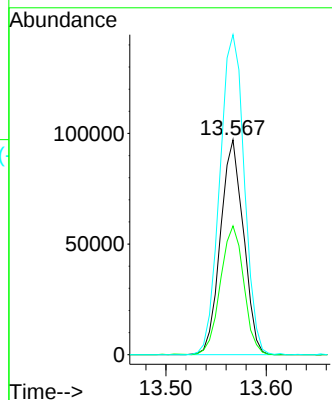
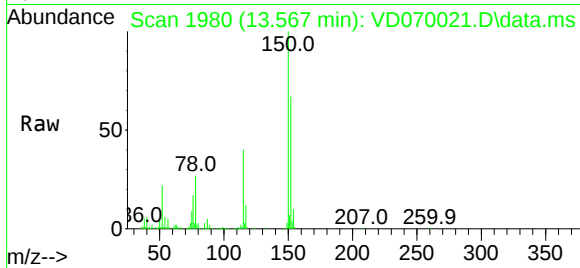




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070021.D
 Acq: 11 Aug 2021 14:09

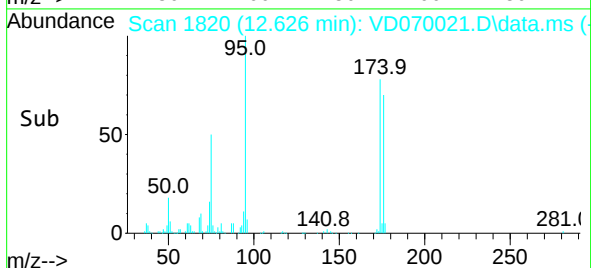
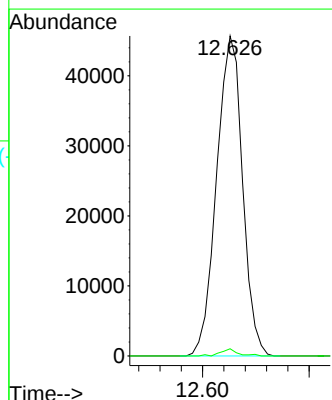
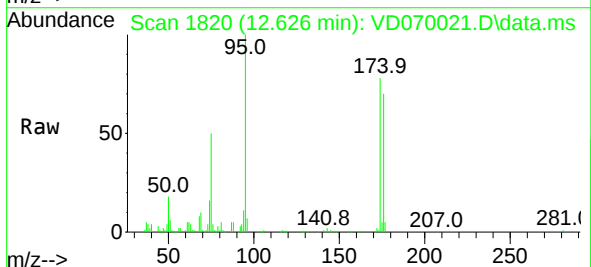
Instrument :
 MSVOA_D
 ClientSampleId :

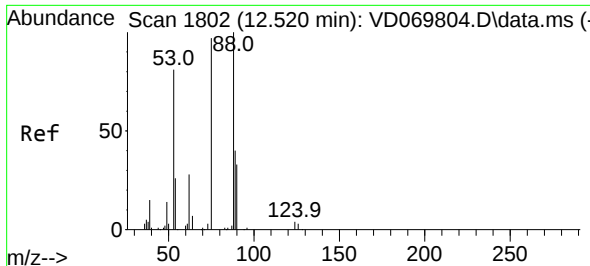
Tgt Ion:152 Resp: 154703
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.1 93.3
 150 158.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 46.909 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070021.D
 Acq: 11 Aug 2021 14:09

Tgt Ion: 75 Resp: 77137
 Ion Ratio Lower Upper
 75 100
 77 1.5 181.5 544.5#

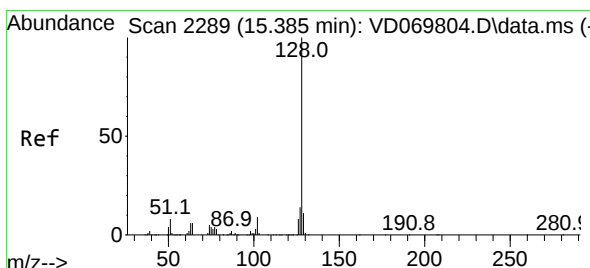
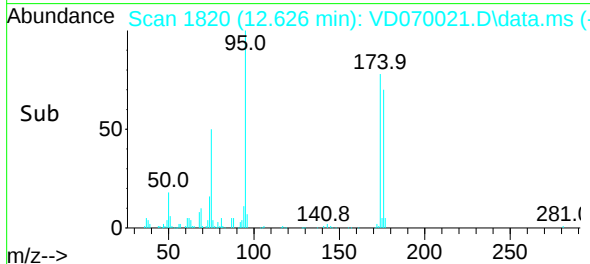
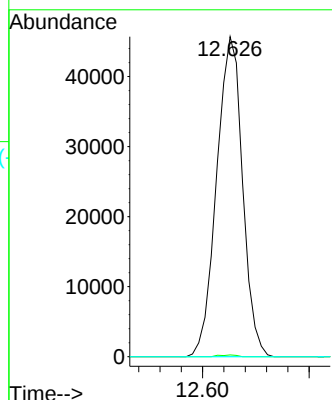
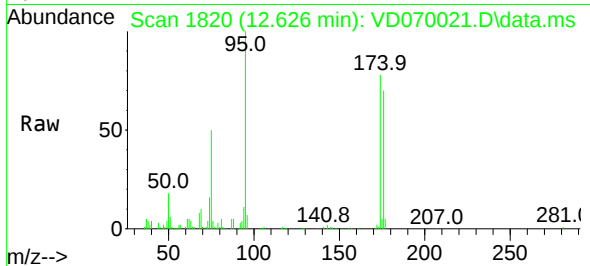




#81
trans-1,4-Dichloro-2-butene
Concen: 142.311 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 77137
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 6.181 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070021.D
Acq: 11 Aug 2021 14:09

Tgt Ion: 128 Resp: 6645
Ion Ratio Lower Upper
128 100
127 16.7 10.6 16.0#
129 10.1 8.6 12.8

