

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069981.D
 Acq On : 04 Aug 2021 12:53
 Operator : VA/SY
 Sample : M3276-01
 Misc : 6.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:09:56 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)

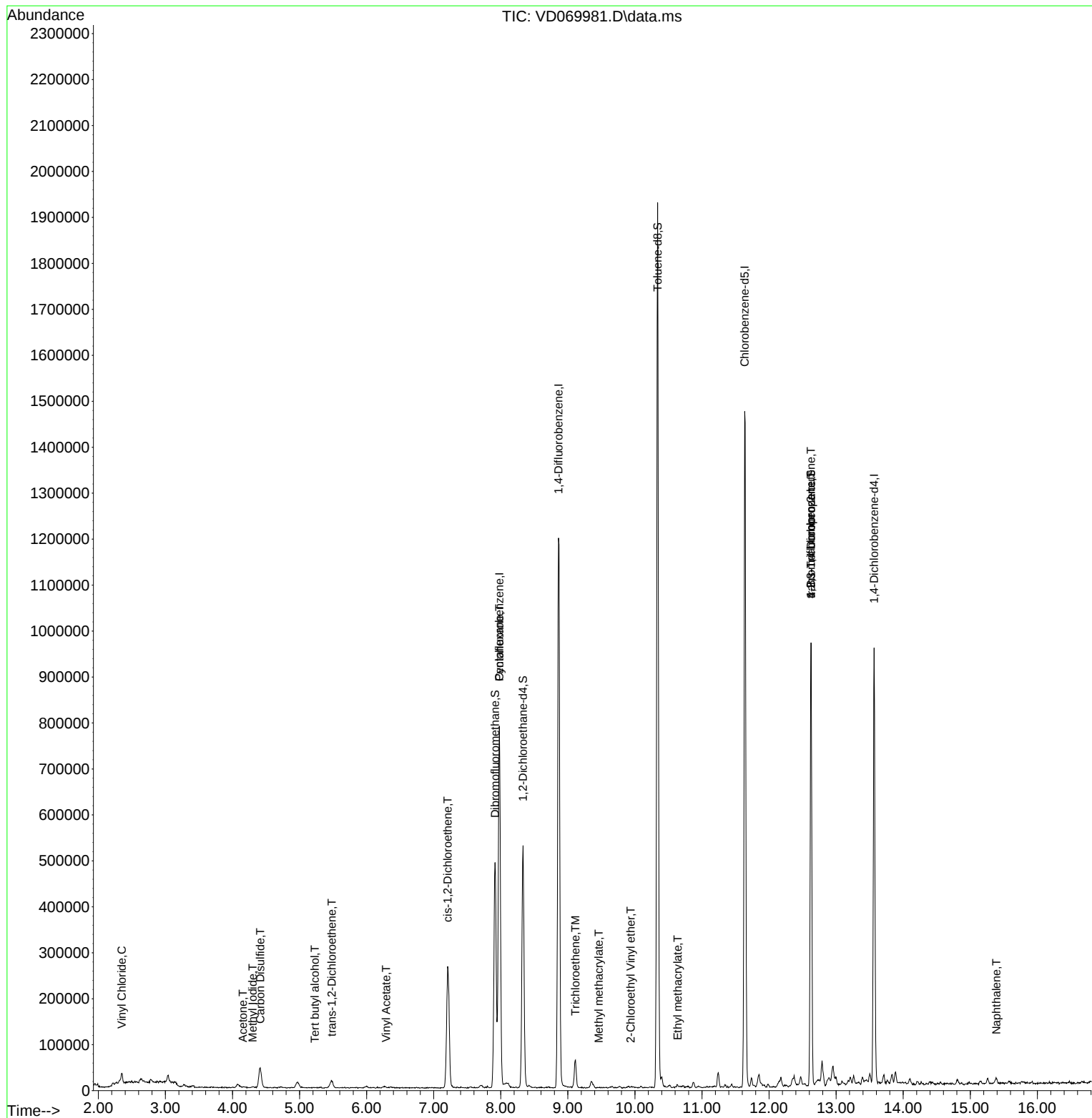
Internal Standards						
1) Pentafluorobenzene	7.979	168	539746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1057285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	870964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	250397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	402244	64.799	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.600%			
35) Dibromofluoromethane	7.914	113	371519	55.741	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.480%			
50) Toluene-d8	10.338	98	1294709	50.377	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.626	95	324938	37.831	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.660%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	17373	2.004	ug/l	96
5) Bromomethane	2.785	94	4873	Below Cal		81
10) Methyl Iodide	4.303	142	3309	3.922	ug/l #	88
11) Tert butyl alcohol	5.226	59	1217	3.789	ug/l #	73
16) Acetone	4.156	43	1570	1.400	ug/l #	77
17) Carbon Disulfide	4.415	76	97863	4.432	ug/l	99
20) Methylene Chloride	4.973	84	9758	Below Cal	#	76
21) trans-1,2-Dichloroethene	5.479	96	9669	1.329	ug/l	90
23) Vinyl Acetate	6.291	43	457	20.388	ug/l #	71
27) cis-1,2-Dichloroethene	7.208	96	166212	21.406	ug/l	88
31) Cyclohexane	7.979	56	17349	1.430	ug/l #	12
44) Trichloroethene	9.114	130	21849	2.684	ug/l	85
48) Methyl methacrylate	9.461	41	180	2.790	ug/l #	13
56) Ethyl methacrylate	10.638	69	2350	4.187	ug/l #	35
58) 2-Chloroethyl Vinyl ether	9.938	63	684	21.061	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	156994	58.986	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	156994	178.949	ug/l #	16
95) Naphthalene	15.390	128	10428	6.145	ug/l #	96

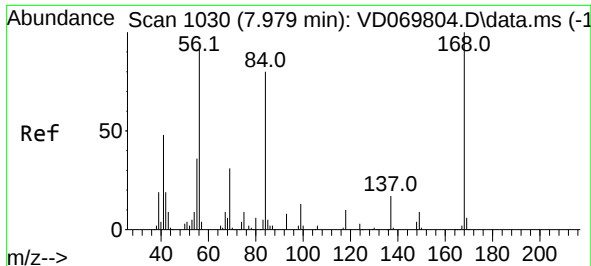
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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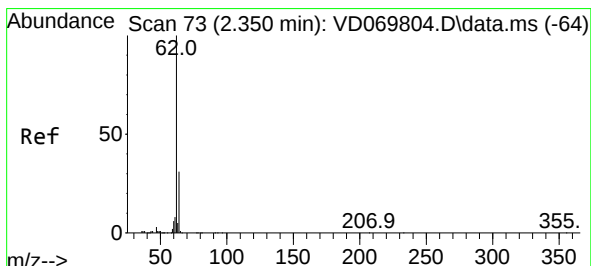
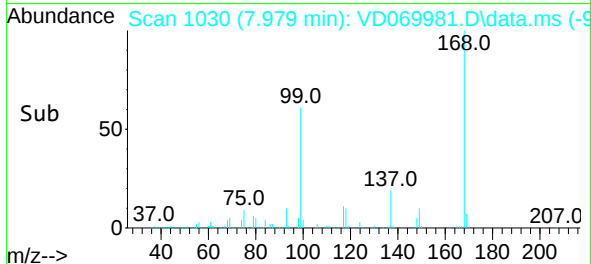
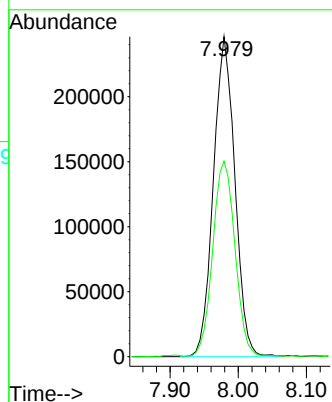
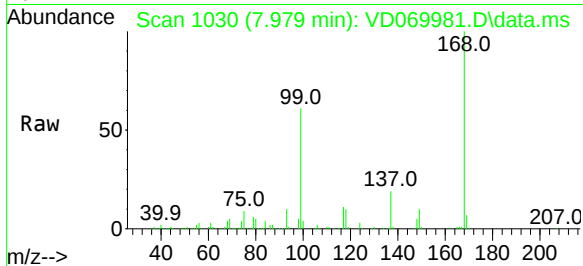




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

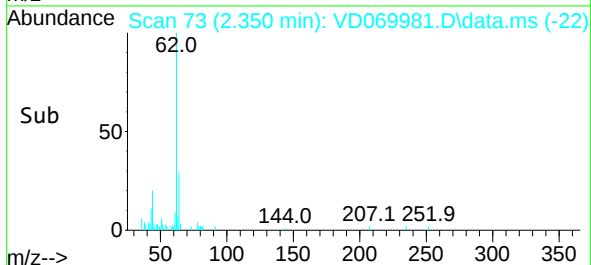
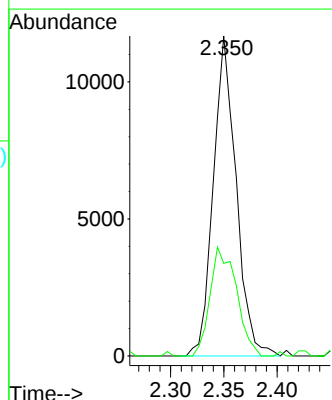
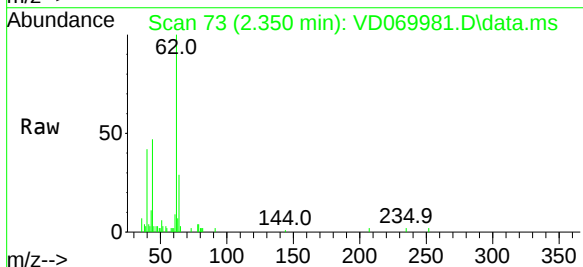
Instrument :
MSVOA_D
ClientSampleId :

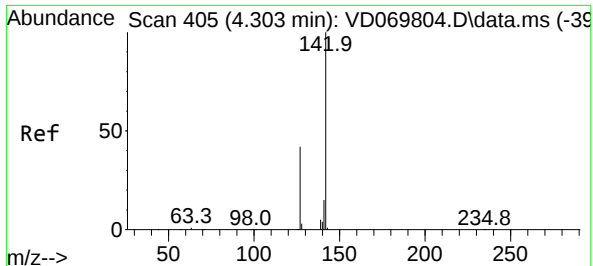
Tgt Ion:168 Resp: 539746
Ion Ratio Lower Upper
168 100
99 60.9 51.1 76.7



#4
Vinyl Chloride
Concen: 2.004 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion: 62 Resp: 17373
Ion Ratio Lower Upper
62 100
64 28.9 25.0 37.4

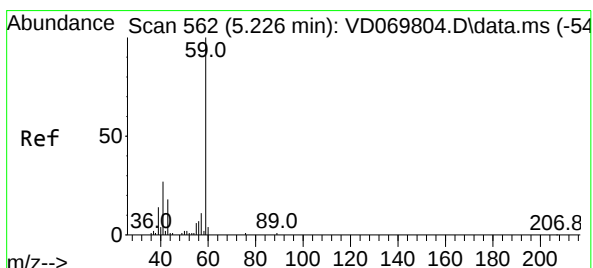
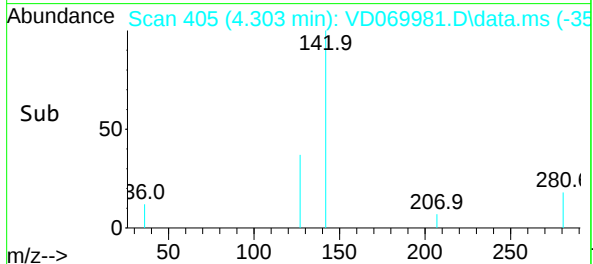
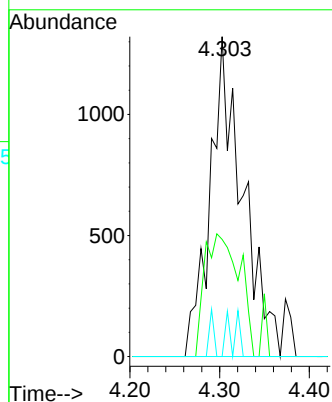
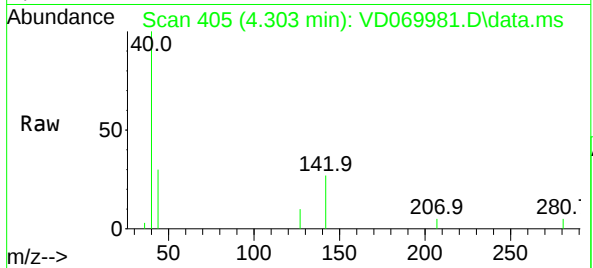




#10
Methyl Iodide
Concen: 3.922 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

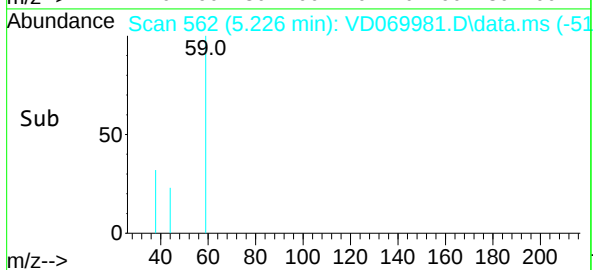
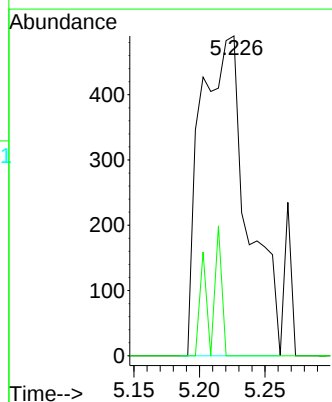
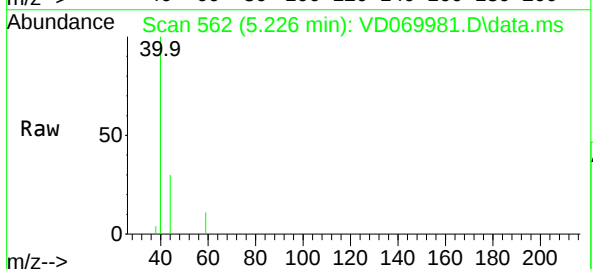
Instrument :
MSVOA_D
ClientSampled :

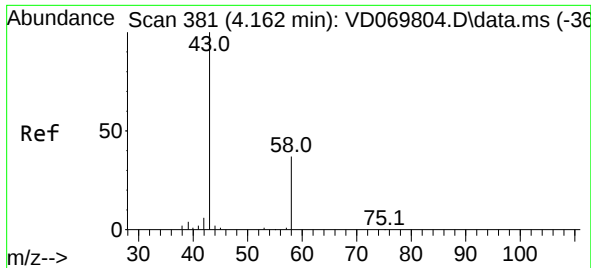
Tgt Ion:142 Resp: 3309
Ion Ratio Lower Upper
142 100
127 41.3 35.7 53.5
141 2.1 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.789 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

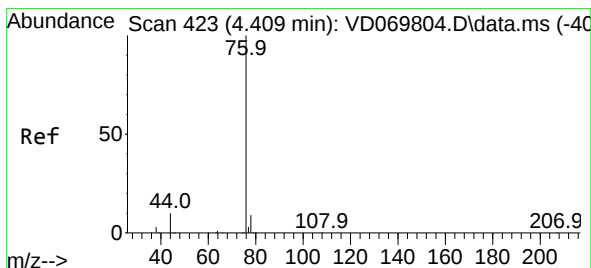
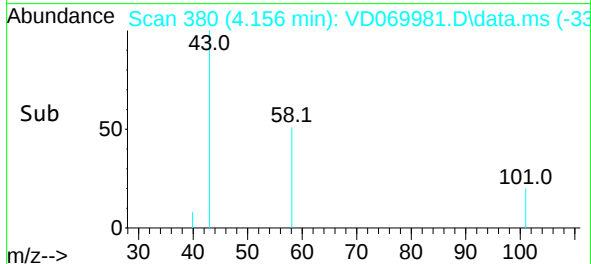
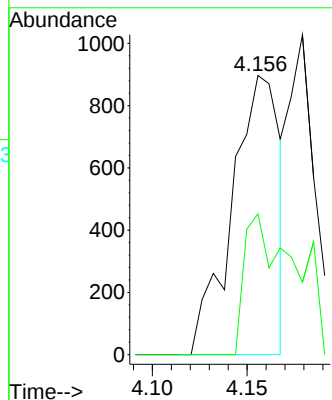
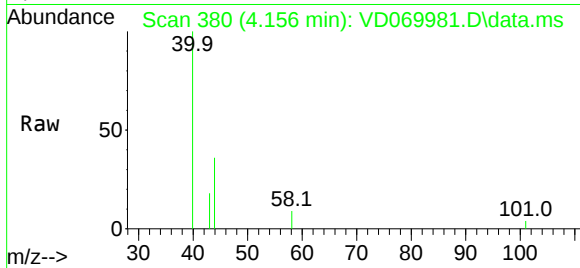




#16
Acetone
Concen: 1.400 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

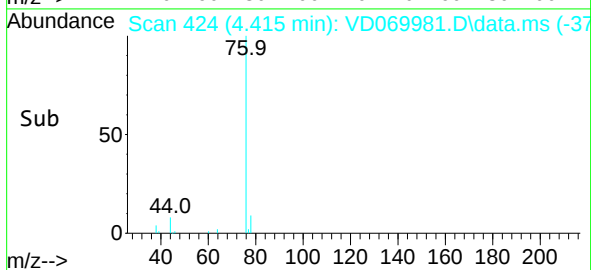
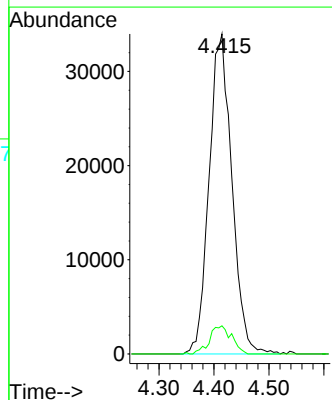
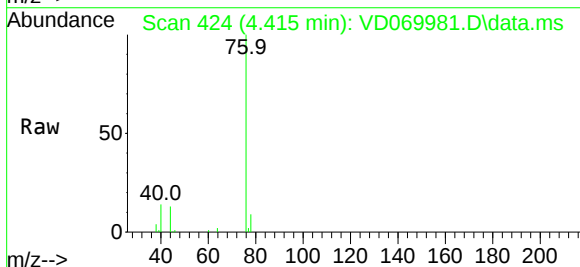
Instrument :
MSVOA_D
ClientSampled :

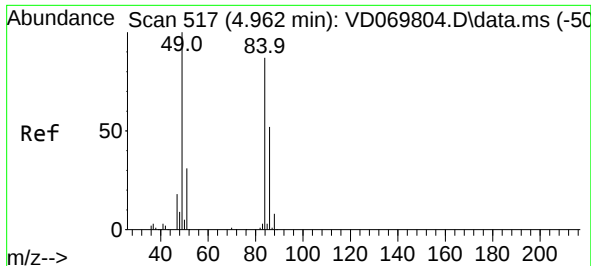
Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
58 50.5 29.4 44.0#



#17
Carbon Disulfide
Concen: 4.432 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

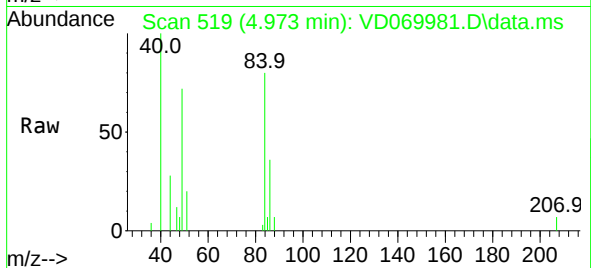
Tgt Ion: 76 Resp: 97863
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



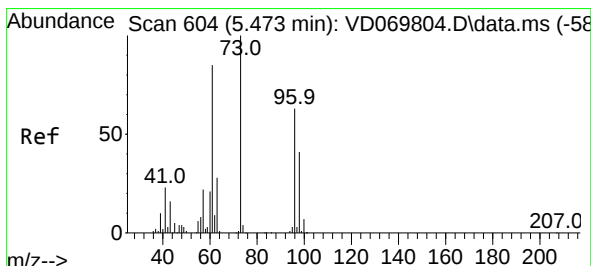
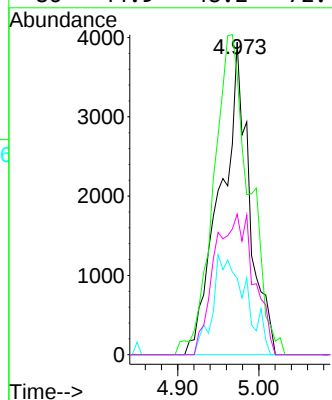
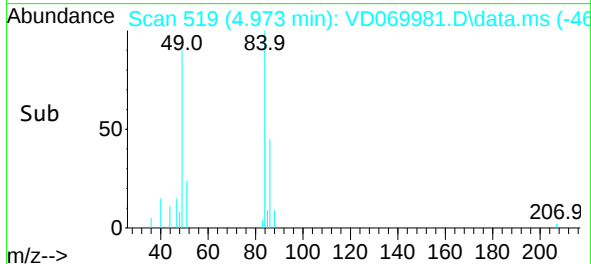


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

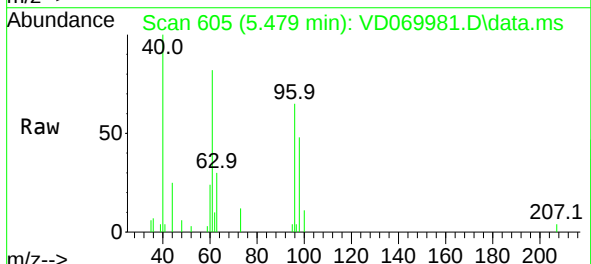
Instrument :
MSVOA_D
ClientSampleId :



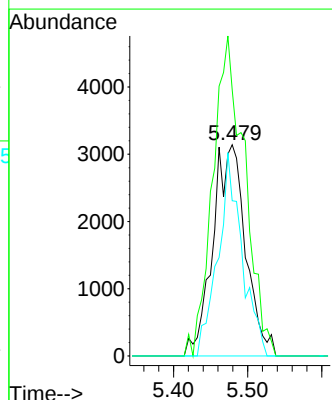
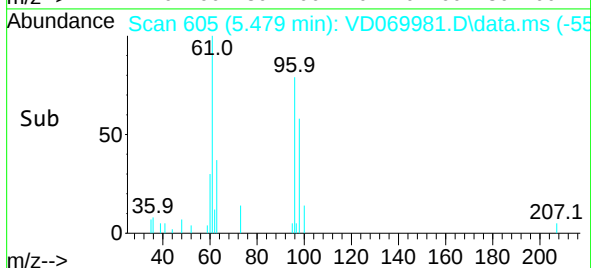
Tgt Ion:	84	Resp:	9758
Ion	Ratio	Lower	Upper
84	100		
49	85.8	92.4	138.6#
51	24.5	28.5	42.7#
86	44.9	48.2	72.4#

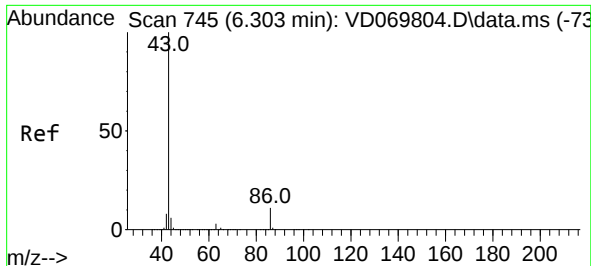


#21
trans-1,2-Dichloroethene
Concen: 1.329 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53



Tgt Ion:	96	Resp:	9669
Ion	Ratio	Lower	Upper
96	100		
61	118.8	107.0	160.6
98	69.2	52.3	78.5

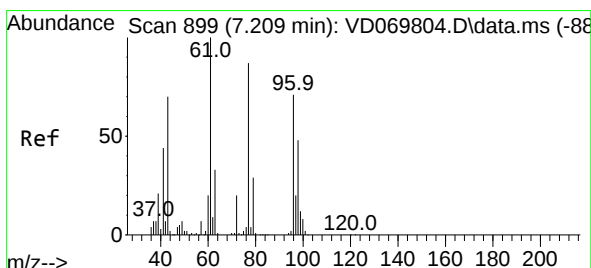
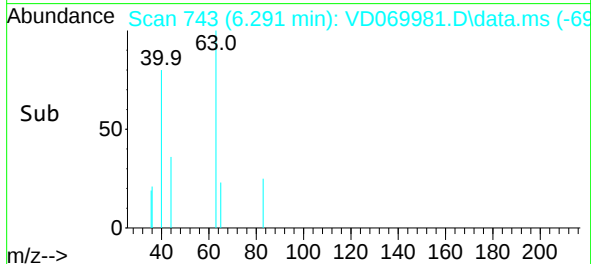
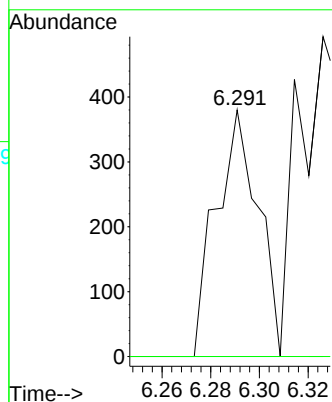
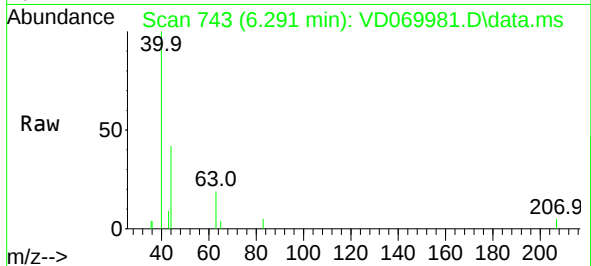




#23
 Vinyl Acetate
 Concen: 20.388 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.012 min
 Lab File: VD069981.D
 Acq: 04 Aug 2021 12:53

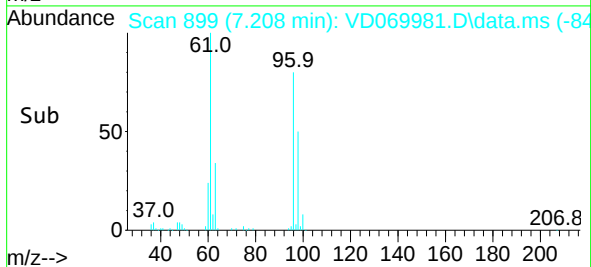
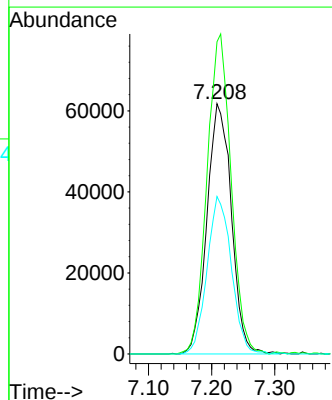
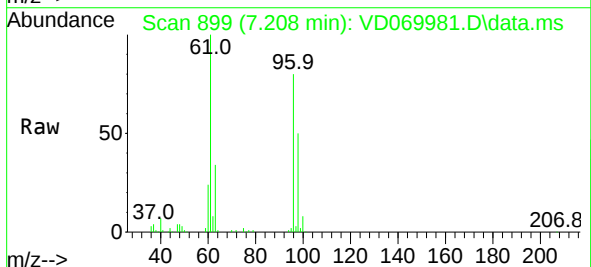
Instrument :
 MSVOA_D
 ClientSampled :

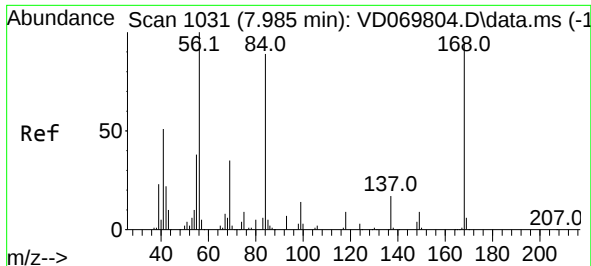
Tgt Ion: 43 Resp: 457
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#27
 cis-1,2-Dichloroethene
 Concen: 21.406 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.000 min
 Lab File: VD069981.D
 Acq: 04 Aug 2021 12:53

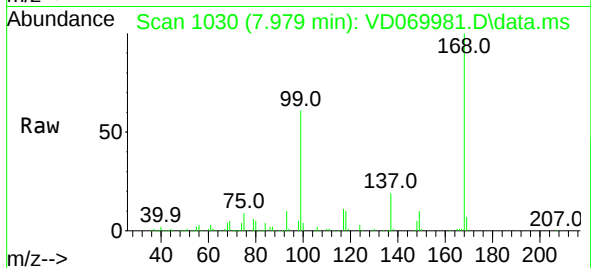
Tgt Ion: 96 Resp: 166212
 Ion Ratio Lower Upper
 96 100
 61 125.8 0.0 291.6
 98 62.7 0.0 132.0



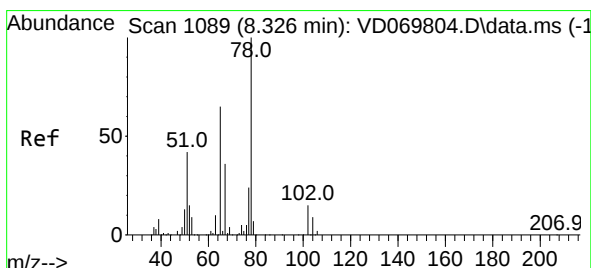
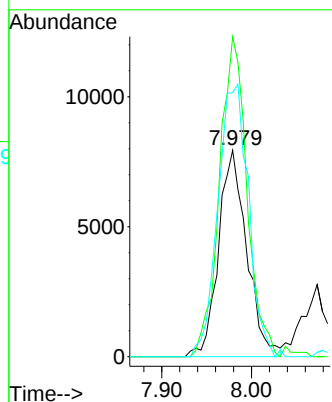
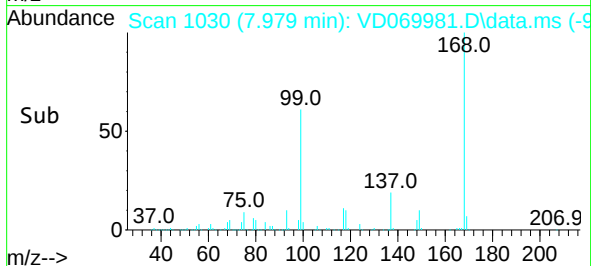


#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

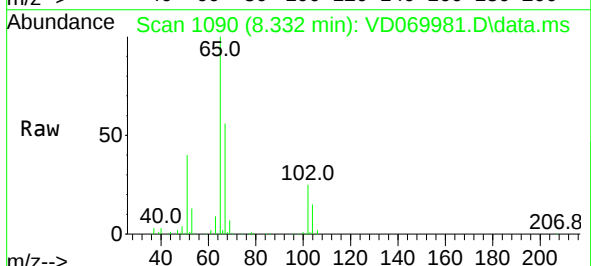
Instrument :
MSVOA_D
ClientSampleId :



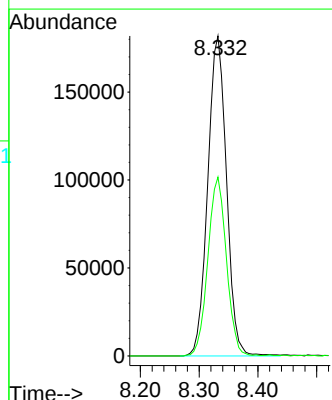
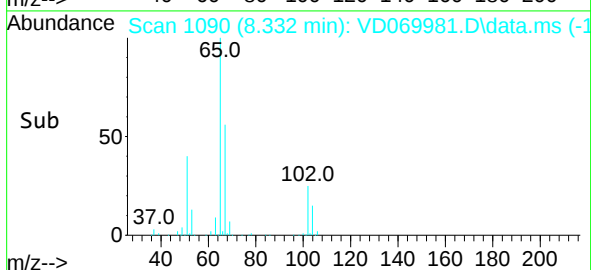
Tgt Ion: 56 Resp: 17349
Ion Ratio Lower Upper
56 100
69 155.0 27.9 41.9#
84 127.9 71.4 107.2#

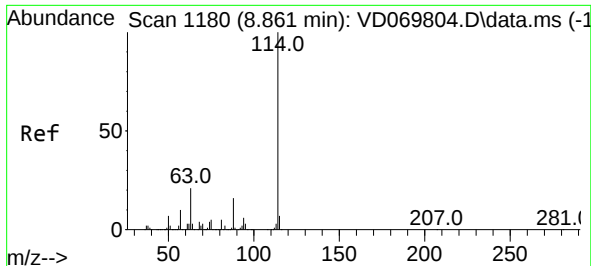


#33
1,2-Dichloroethane-d4
Concen: 64.799 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53



Tgt Ion: 65 Resp: 402244
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.2

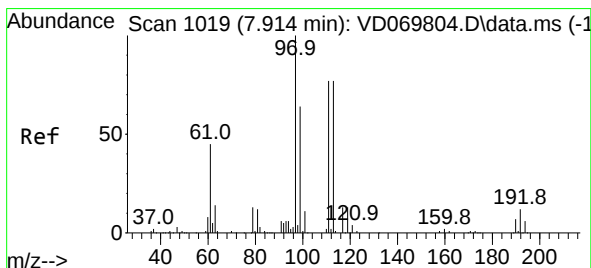
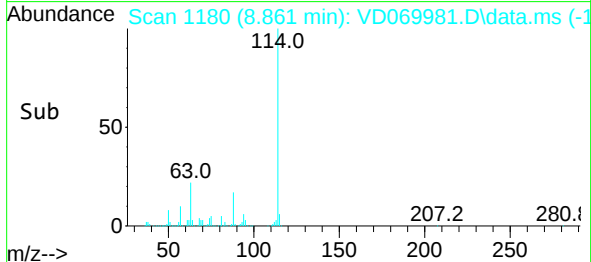
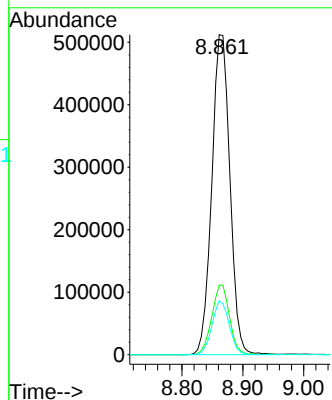
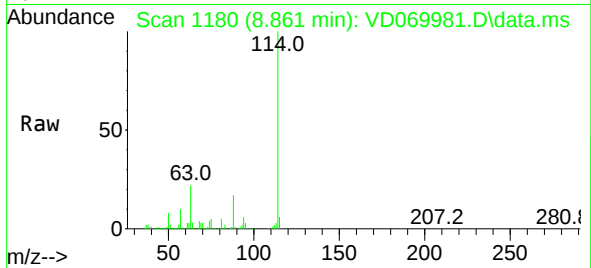




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

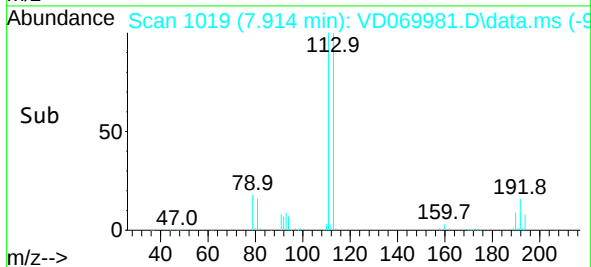
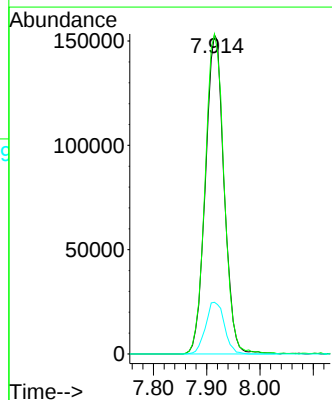
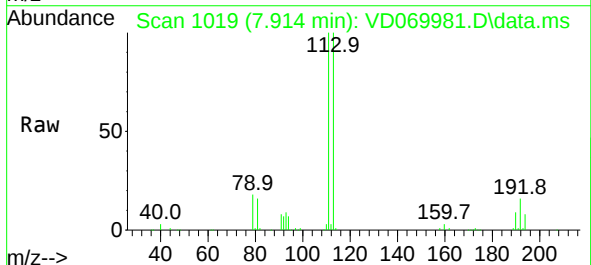
Instrument :
MSVOA_D
ClientSampleId :

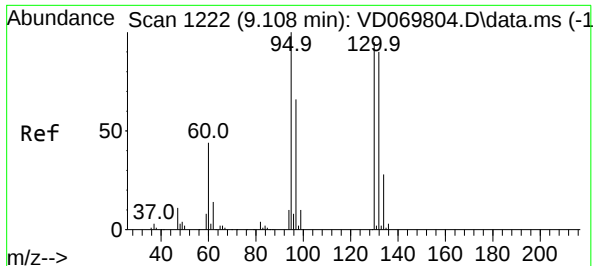
Tgt Ion:114 Resp: 1057285
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.6
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.741 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion:113 Resp: 371519
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 16.4 12.6 19.0

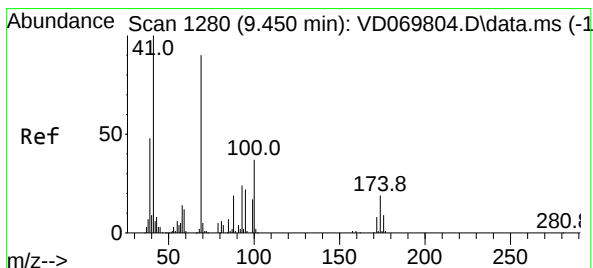
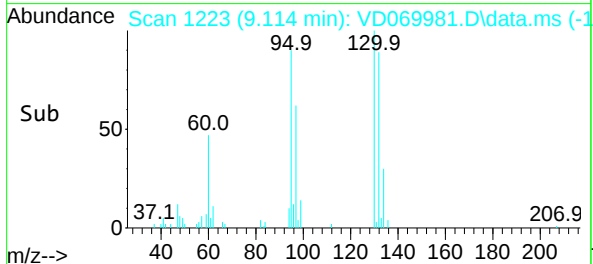
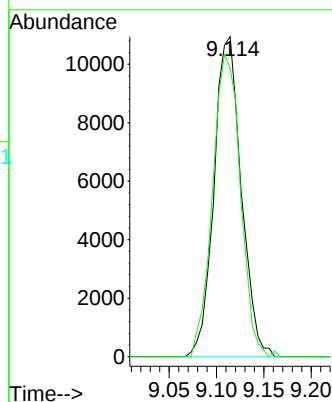
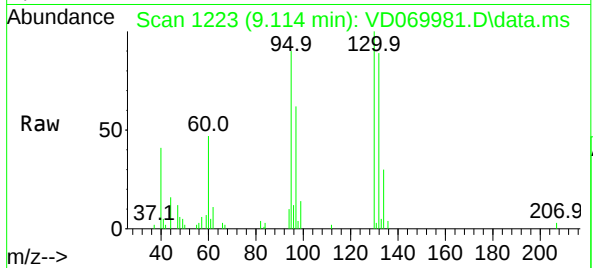




#44
Trichloroethene
Concen: 2.684 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

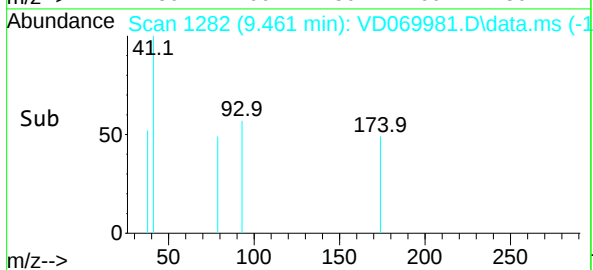
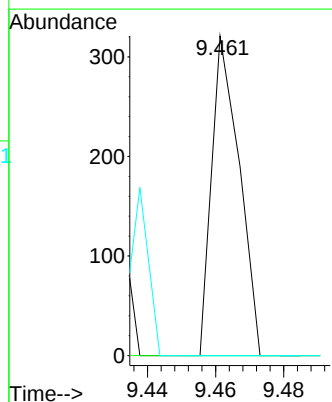
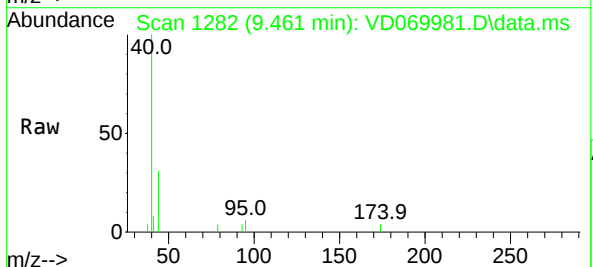
Instrument :
MSVOA_D
ClientSampled :

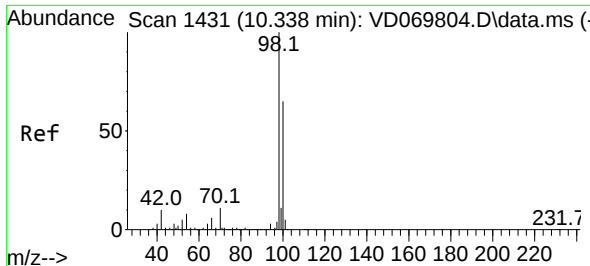
Tgt Ion:130 Resp: 21849
Ion Ratio Lower Upper
130 100
95 90.2 0.0 210.8



#48
Methyl methacrylate
Concen: 2.790 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion: 41 Resp: 180
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

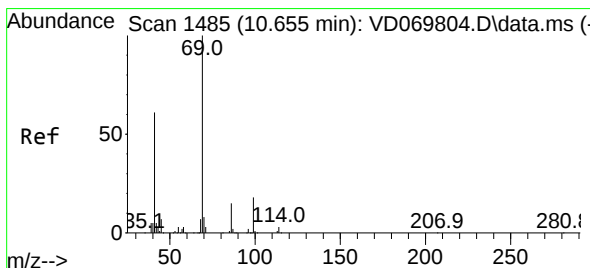
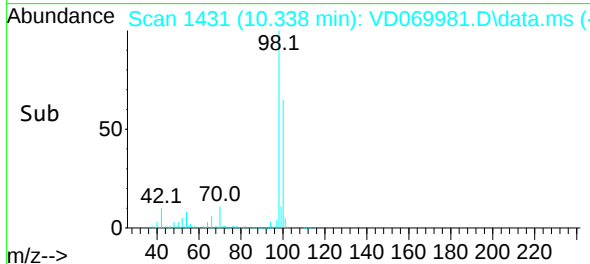
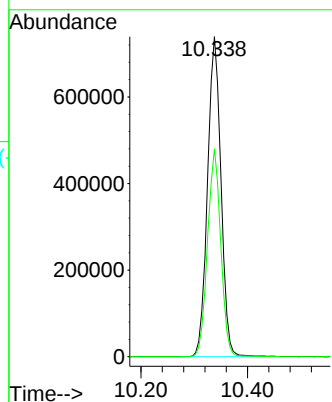
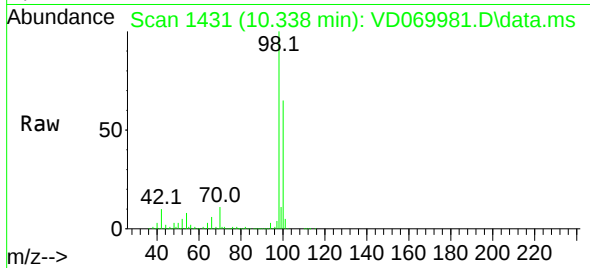




#50
Toluene-d8
Concen: 50.377 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

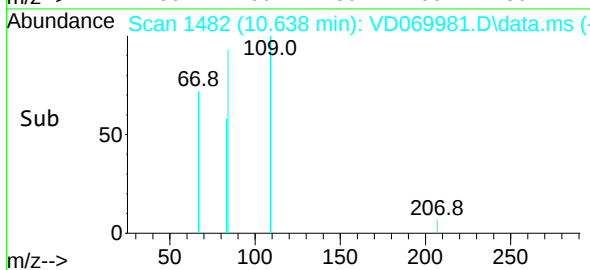
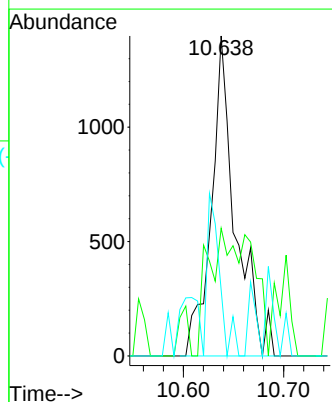
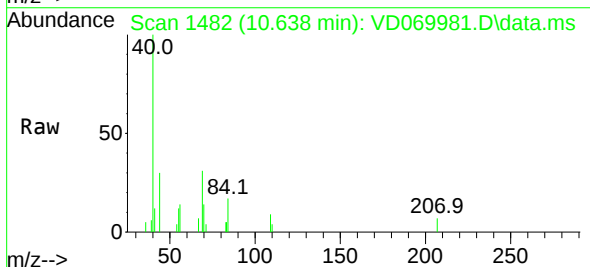
Instrument :
MSVOA_D
ClientSampled :

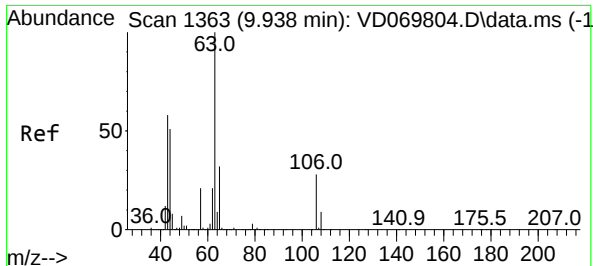
Tgt Ion: 98 Resp: 1294709
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.187 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion: 69 Resp: 2350
Ion Ratio Lower Upper
69 100
41 8.7 50.2 75.2#
39 0.0 22.0 33.0#

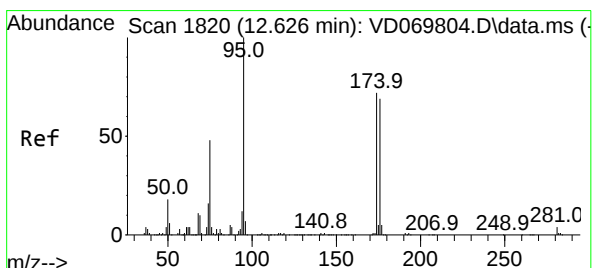
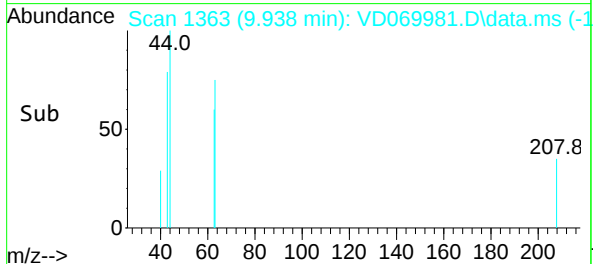
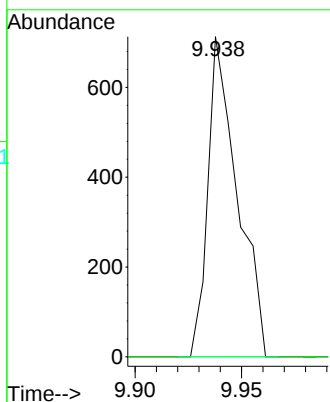
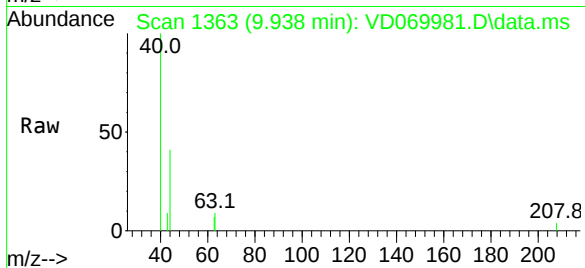




#58
2-Chloroethyl Vinyl ether
Concen: 21.061 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

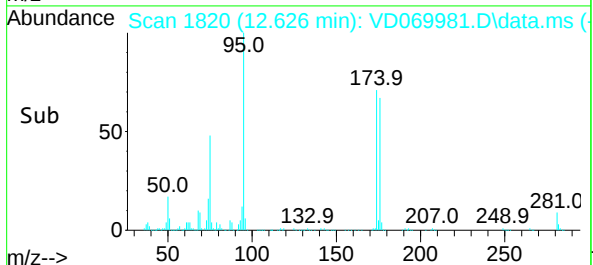
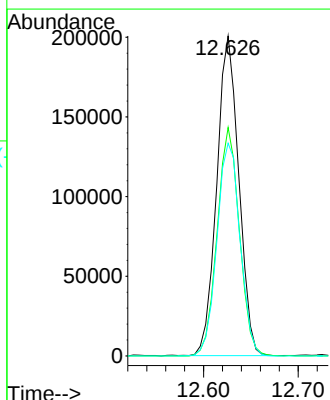
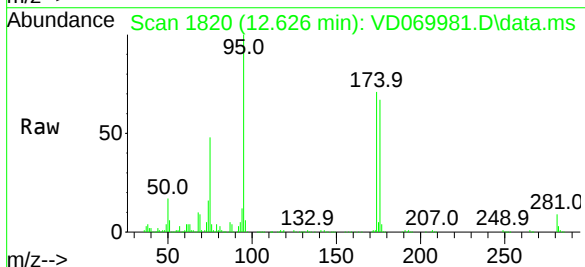
Instrument :
MSVOA_D
ClientSampled :

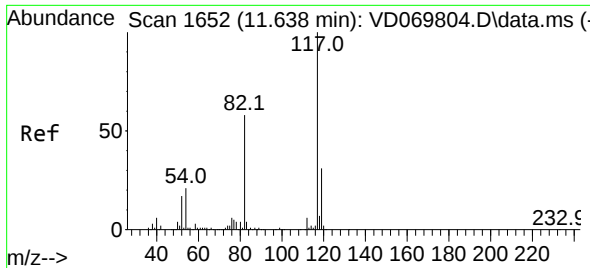
Tgt Ion: 63 Resp: 684
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 37.831 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion: 95 Resp: 324938
Ion Ratio Lower Upper
95 100
174 71.8 0.0 142.6
176 69.6 0.0 134.2

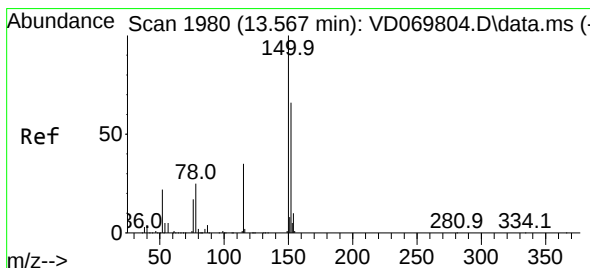
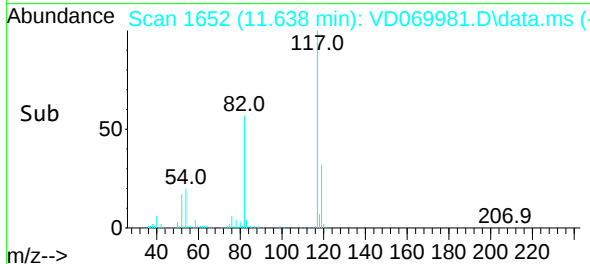
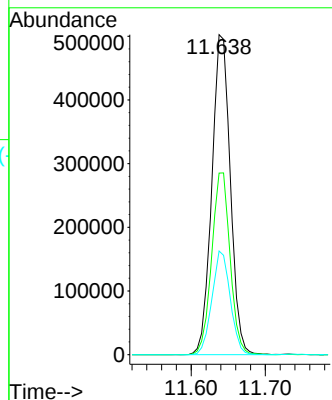
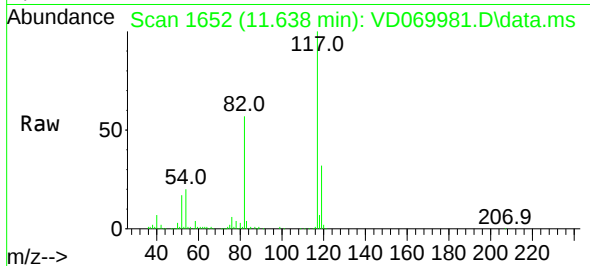




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

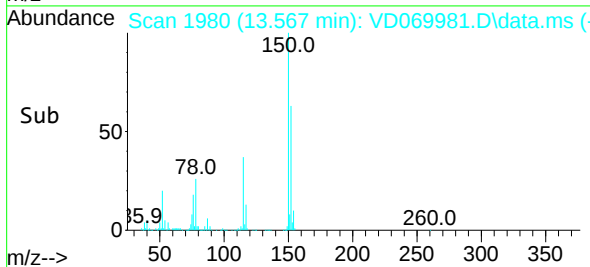
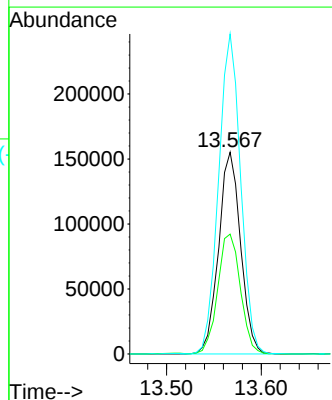
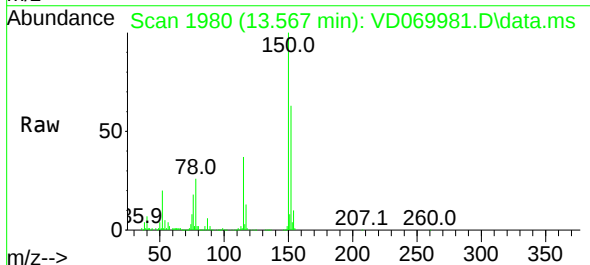
Instrument :
MSVOA_D
ClientSampleId :

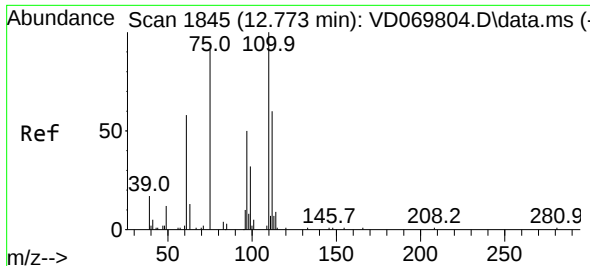
Tgt Ion:117 Resp: 870964
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Tgt Ion:152 Resp: 250397
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.3
150 158.9 0.0 343.0

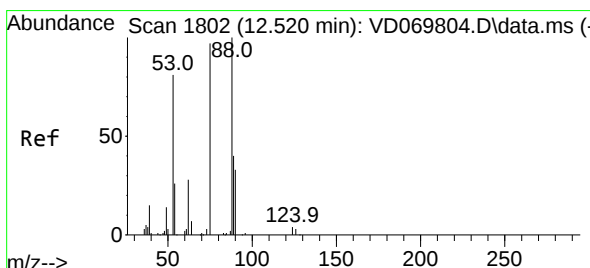
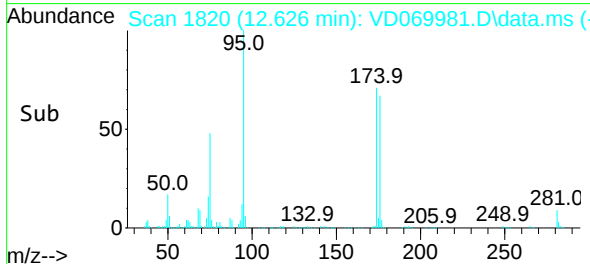
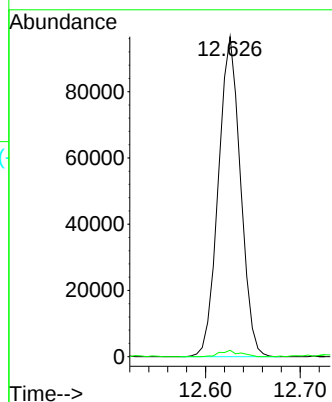
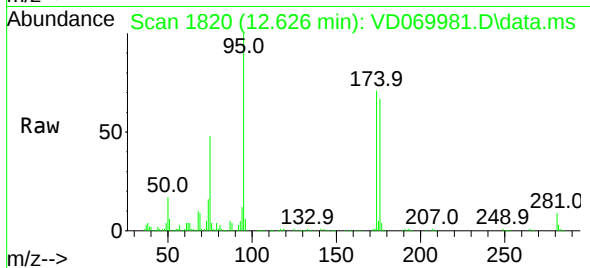




#76
1,2,3-Trichloropropane
Concen: 58.986 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

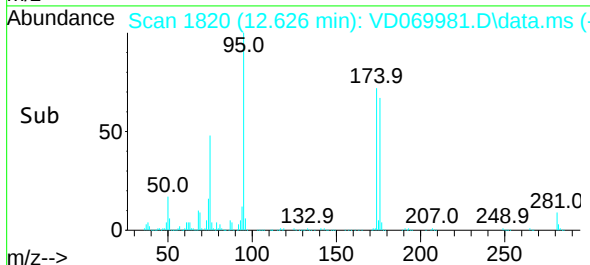
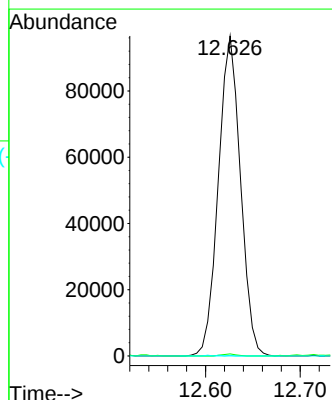
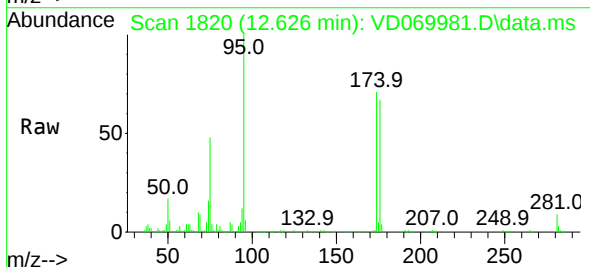
Instrument :
MSVOA_D
ClientSampleId :

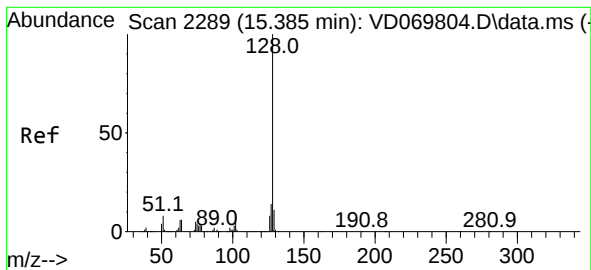
Tgt Ion: 75 Resp: 156994
Ion Ratio Lower Upper
75 100
77 1.8 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 178.949 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

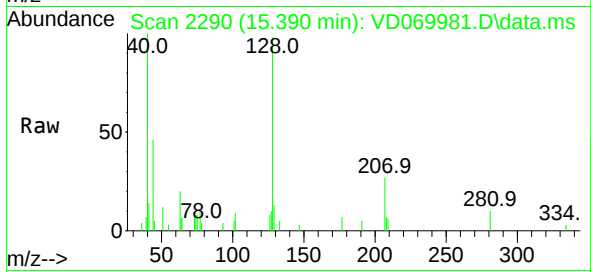
Tgt Ion: 75 Resp: 156994
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 6.145 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069981.D
Acq: 04 Aug 2021 12:53

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	12.9	8.6	12.8#

