

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069961.D
 Acq On : 03 Aug 2021 12:51
 Operator : VA/SY
 Sample : M3268-02
 Misc : 12.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:31:45 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)

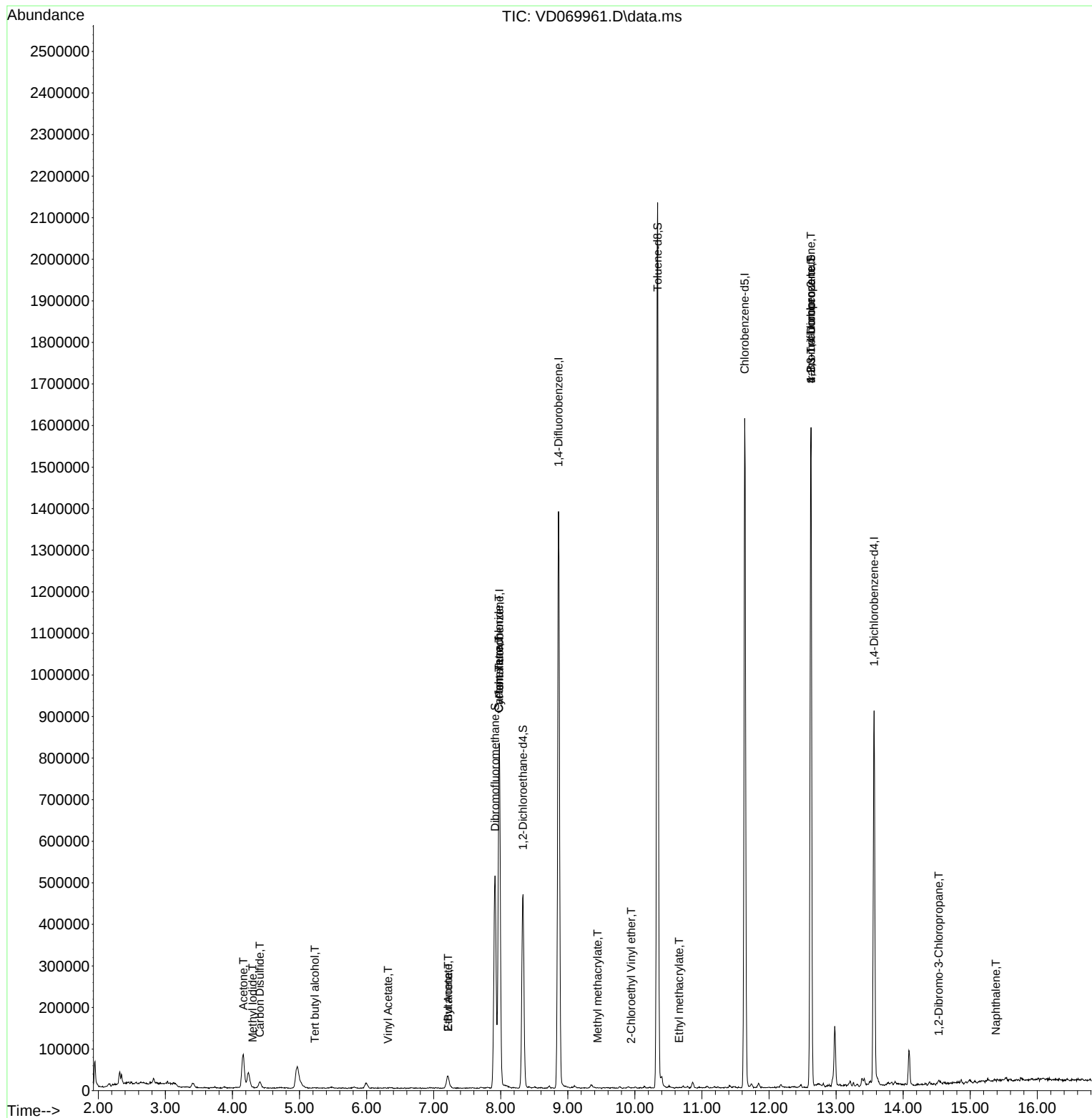
Internal Standards						
1) Pentafluorobenzene	7.979	168	593888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1179961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	936654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	241225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	369416	54.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.180%			
35) Dibromofluoromethane	7.914	113	386766	51.995	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.338	98	1469372	51.229	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.626	95	351475	36.667	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 73.340%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	2598	Below Cal		86
10) Methyl Iodide	4.303	142	1115	3.603 ug/l #		63
11) Tert butyl alcohol	5.226	59	1322	3.741 ug/l		97
16) Acetone	4.162	43	142369	115.385 ug/l		97
17) Carbon Disulfide	4.409	76	30190	1.243 ug/l		100
20) Methylene Chloride	4.967	84	42094	Below Cal		94
23) Vinyl Acetate	6.320	43	667	20.401 ug/l #		71
25) 2-Butanone	7.214	43	41037	24.525 ug/l		93
31) Cyclohexane	7.973	56	14772	1.107 ug/l #		1
37) Ethyl Acetate	7.214	43	41037	8.852 ug/l #		73
38) Carbon Tetrachloride	7.973	117	62666	5.388 ug/l #		18
48) Methyl methacrylate	9.444	41	187	2.787 ug/l #		30
56) Ethyl methacrylate	10.661	69	407	3.941 ug/l #		59
58) 2-Chloroethyl Vinyl ether	9.944	63	88	20.892 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	175431	68.420 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	175431	207.567 ug/l #		17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	2534	5.084 ug/l #		7
95) Naphthalene	15.385	128	2161	5.245 ug/l #		86

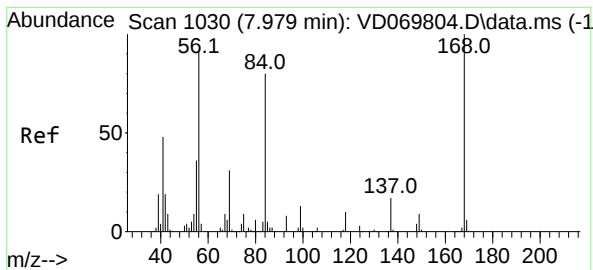
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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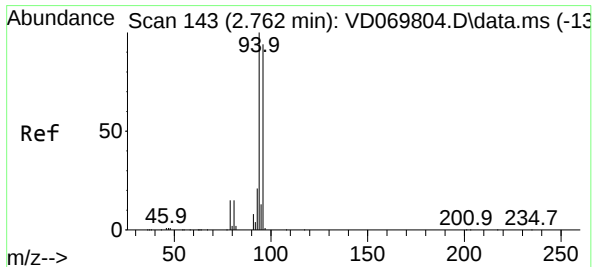
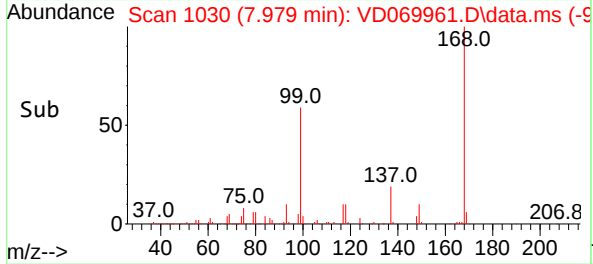
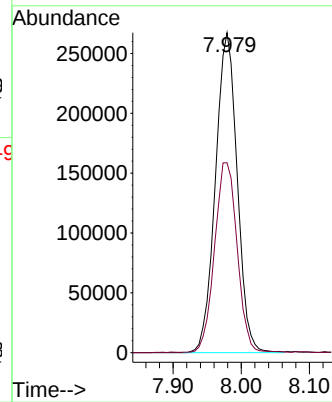
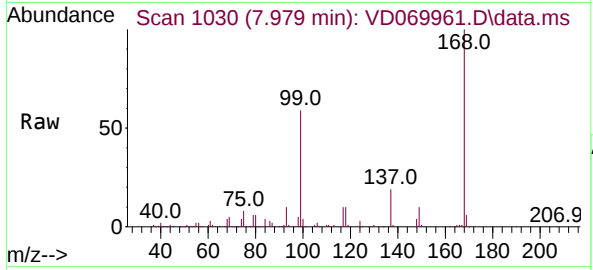




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

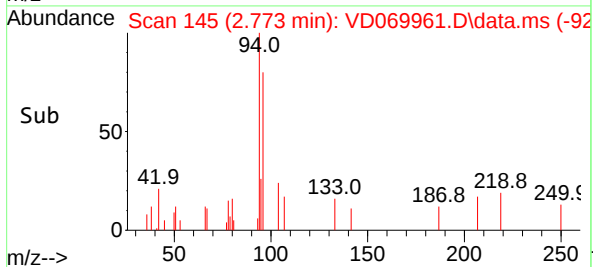
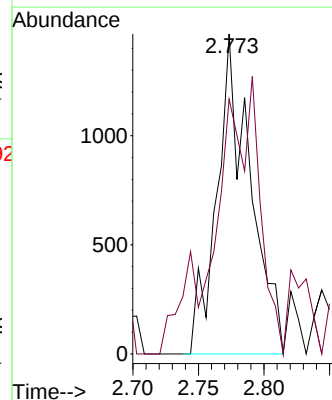
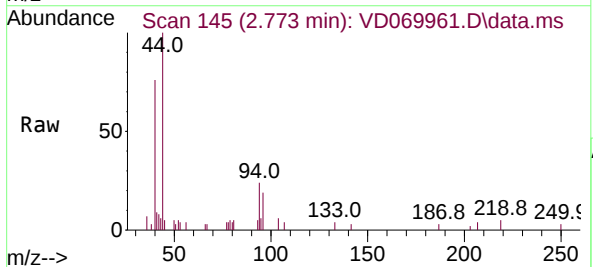
Instrument :
MSVOA_D
ClientSampleId :

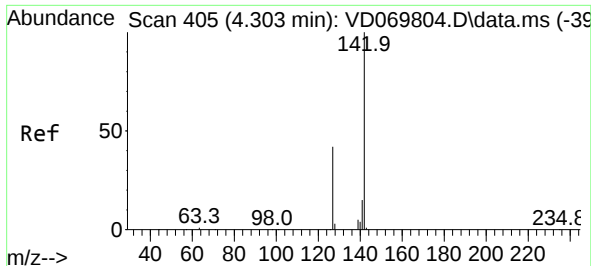
Tgt Ion:168 Resp: 593888
Ion Ratio Lower Upper
168 100
99 59.2 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 94 Resp: 2598
Ion Ratio Lower Upper
94 100
96 79.7 74.8 112.2

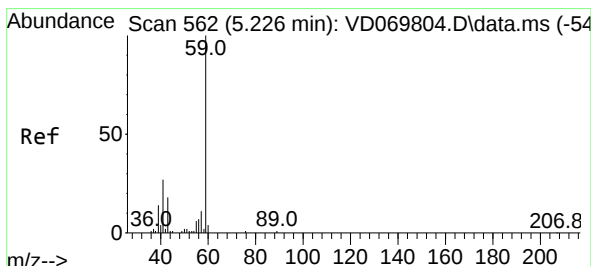
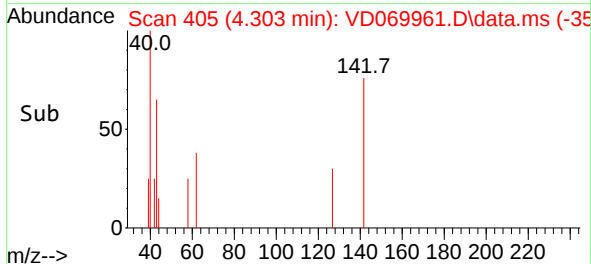
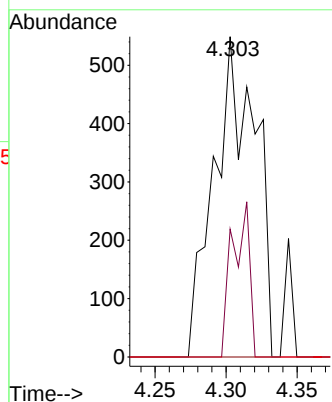
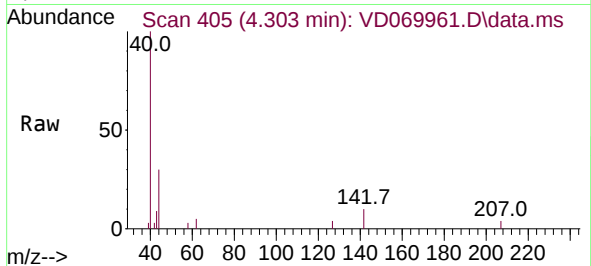




#10
Methyl Iodide
Concen: 3.603 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

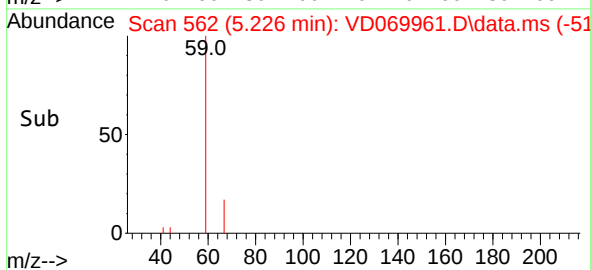
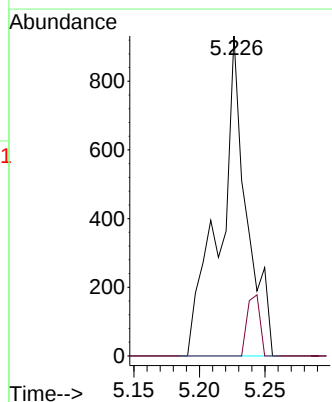
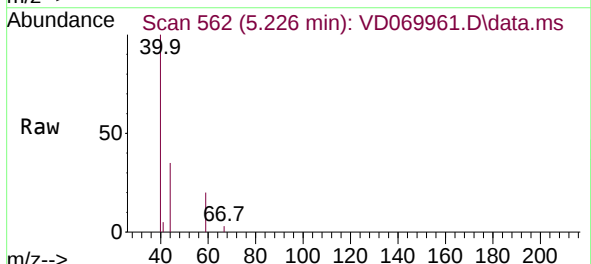
Instrument :
MSVOA_D
ClientSampled :

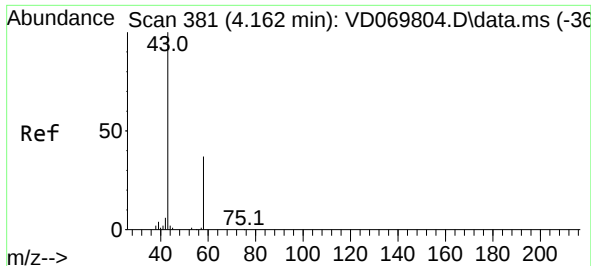
Tgt Ion:142 Resp: 1115
Ion Ratio Lower Upper
142 100
127 20.3 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.741 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 59 Resp: 1322
Ion Ratio Lower Upper
59 100
57 9.1 8.1 12.1

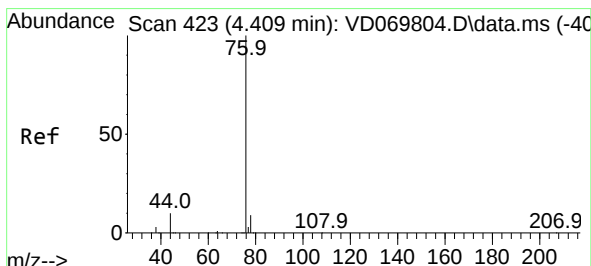
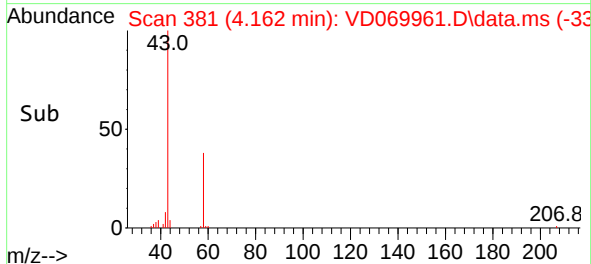
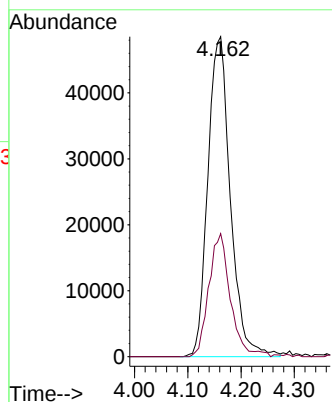
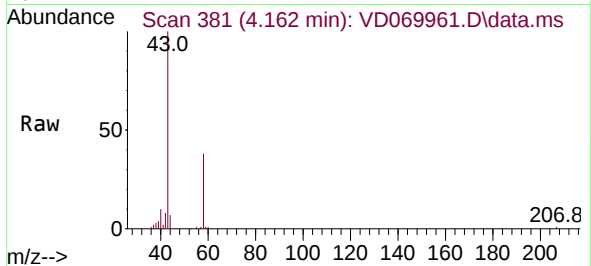




#16
Acetone
Concen: 115.385 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

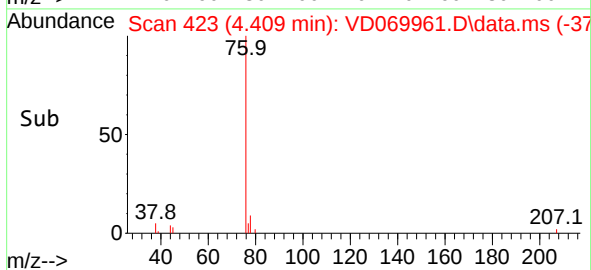
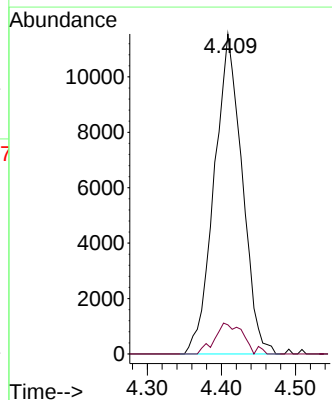
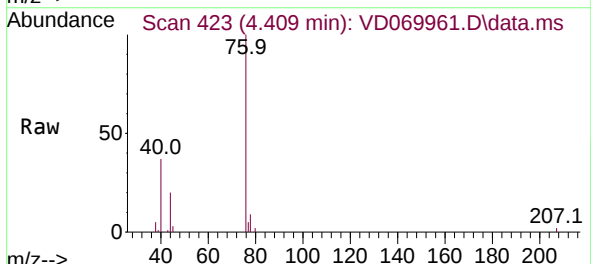
Instrument :
MSVOA_D
ClientSampleId :

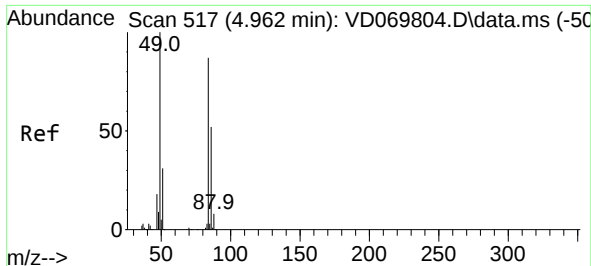
Tgt Ion: 43 Resp: 142369
Ion Ratio Lower Upper
43 100
58 38.4 29.4 44.0



#17
Carbon Disulfide
Concen: 1.243 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 76 Resp: 30190
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

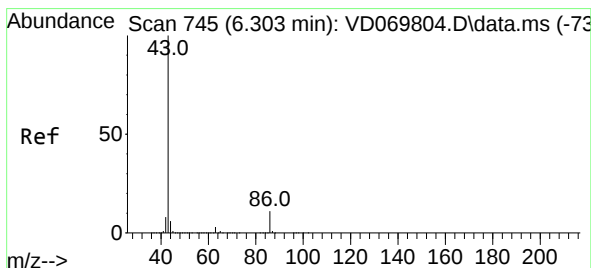
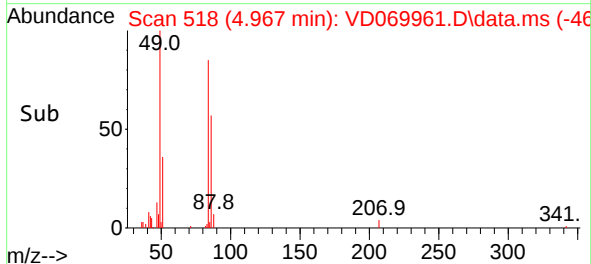
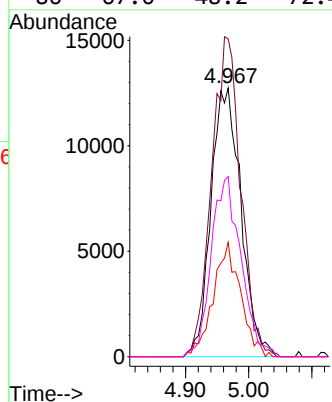
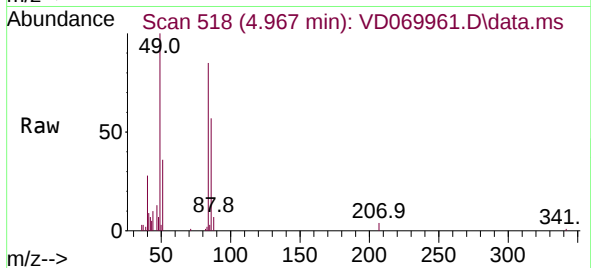




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

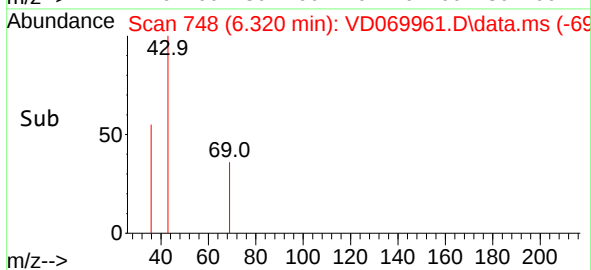
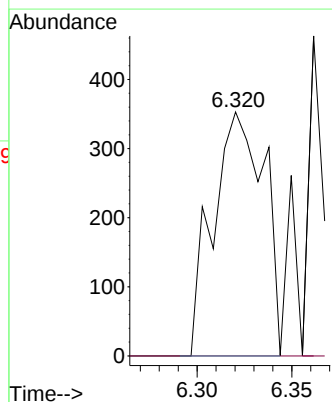
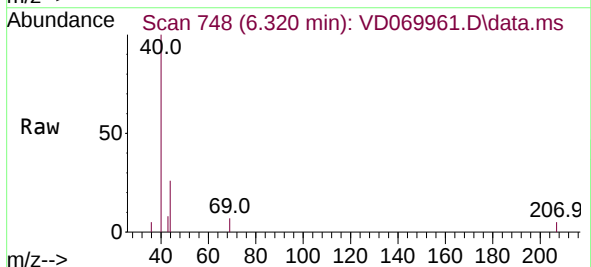
Instrument :
MSVOA_D
ClientSampleId :

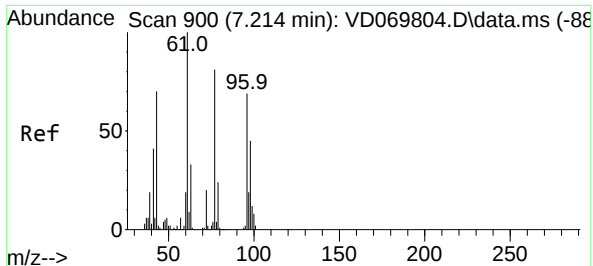
Tgt Ion:	84	Resp:	42094
Ion	Ratio	Lower	Upper
84	100		
49	118.2	92.4	138.6
51	42.6	28.5	42.7
86	67.0	48.2	72.4



#23
Vinyl Acetate
Concen: 20.401 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion:	43	Resp:	667
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

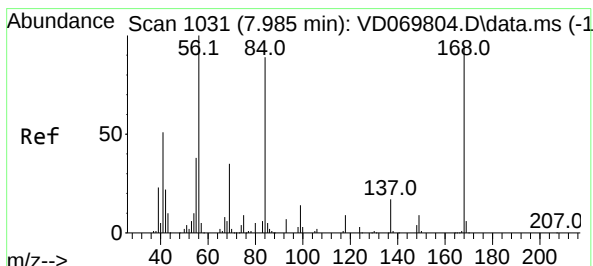
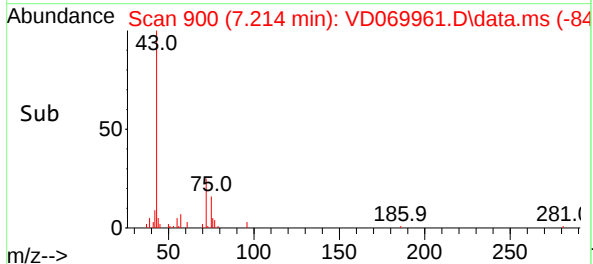
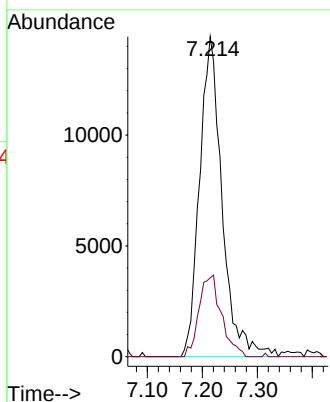
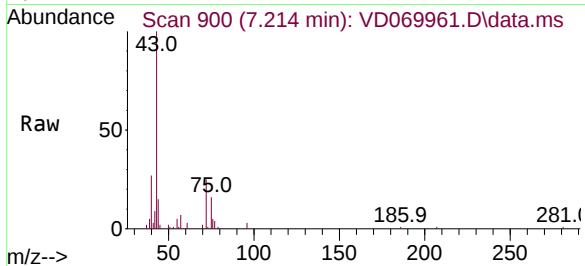




#25
2-Butanone
Concen: 24.525 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

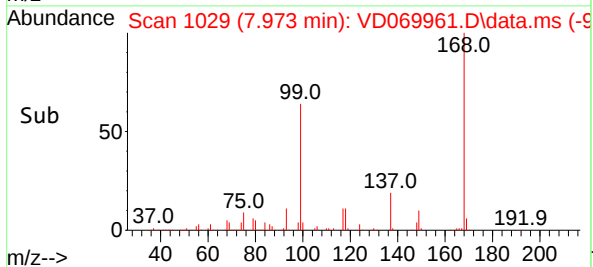
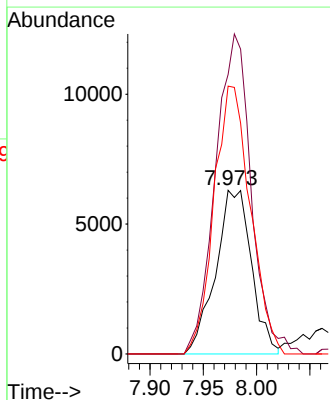
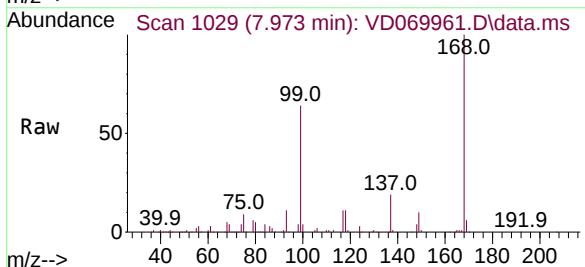
Instrument :
MSVOA_D
ClientSampled :

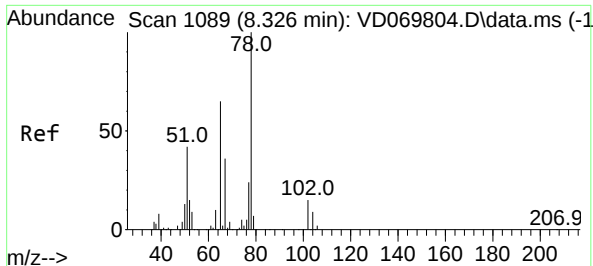
Tgt Ion: 43 Resp: 41037
Ion Ratio Lower Upper
43 100
72 24.7 22.8 34.2



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 56 Resp: 14772
Ion Ratio Lower Upper
56 100
69 170.8 27.9 41.9#
84 163.7 71.4 107.2#

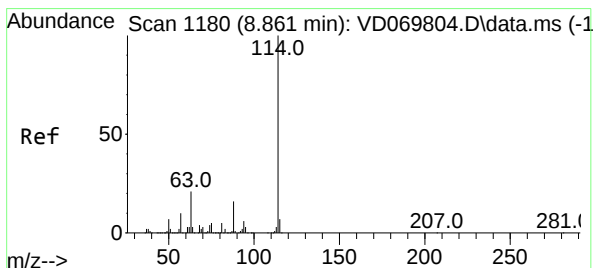
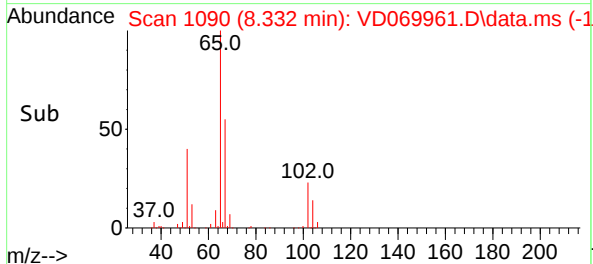
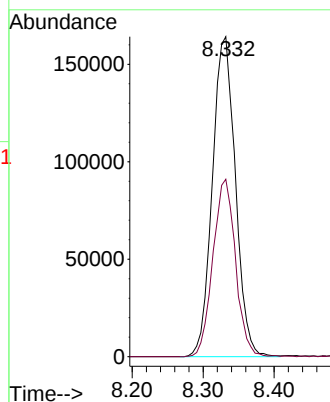
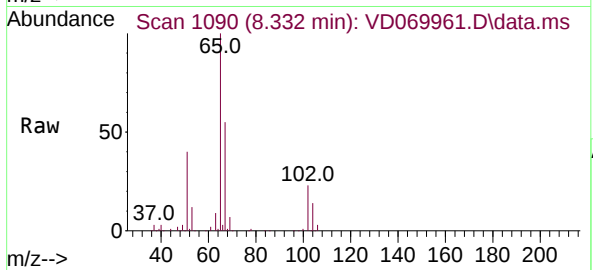




#33
1,2-Dichloroethane-d4
Concen: 54.085 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

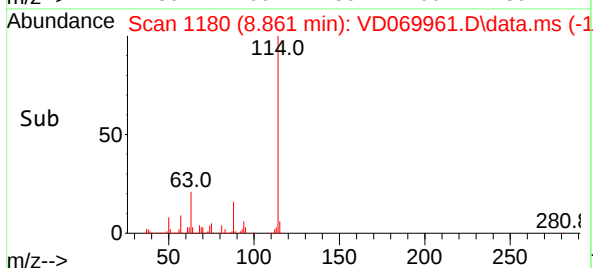
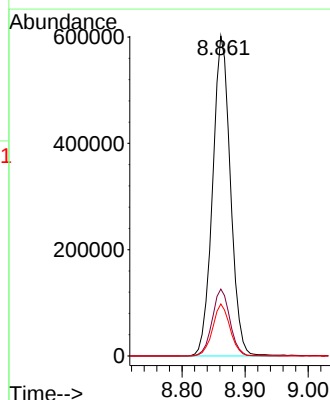
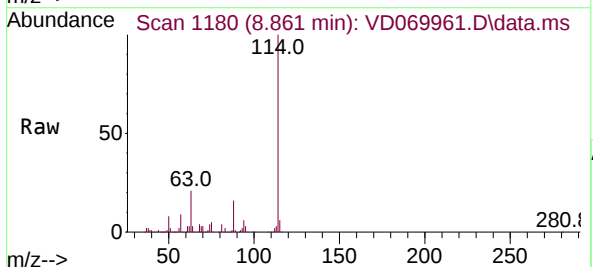
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MSVOA_D
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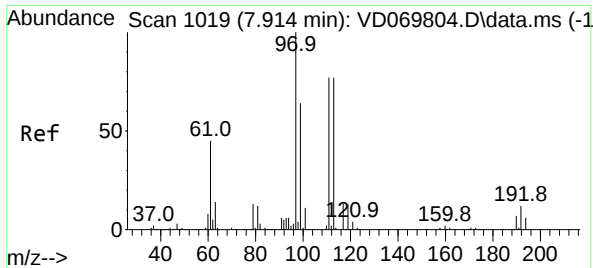
Tgt Ion: 65 Resp: 369416
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion:114 Resp: 1179961
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 16.2 0.0 31.4

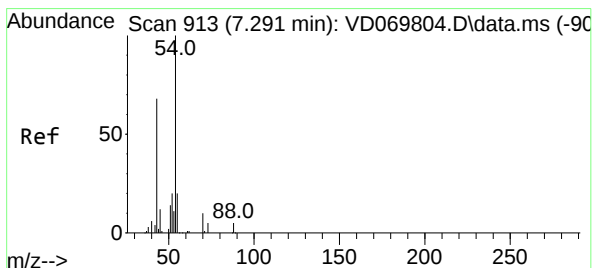
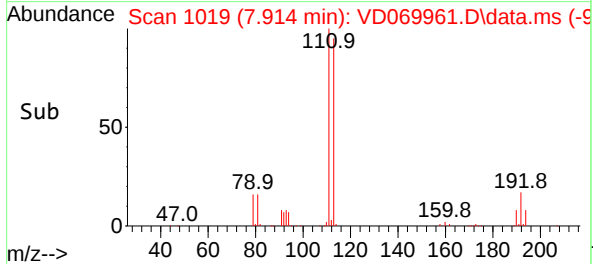
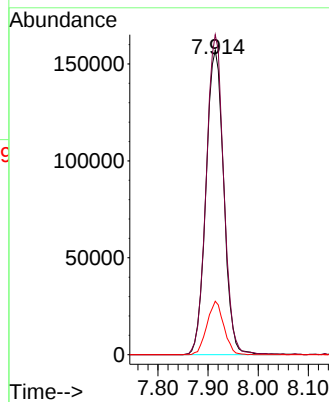
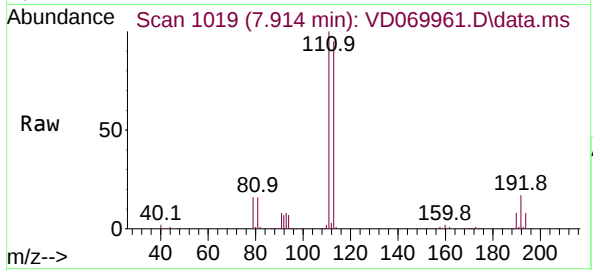




#35
Dibromofluoromethane
Concen: 51.995 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

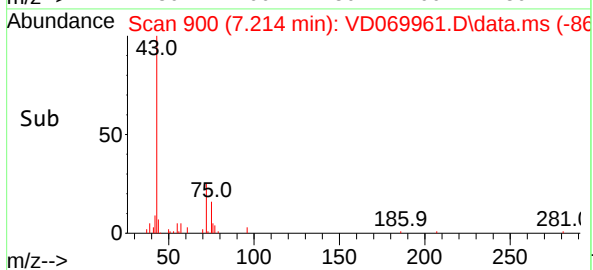
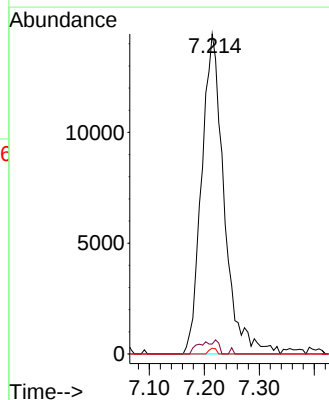
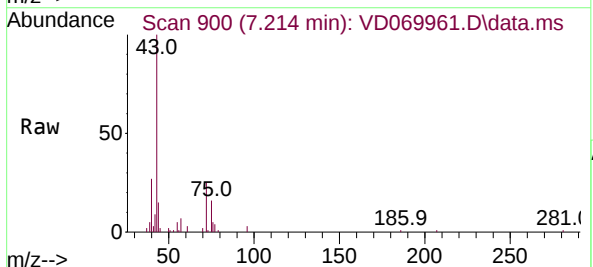
Instrument :
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ClientSampleId :

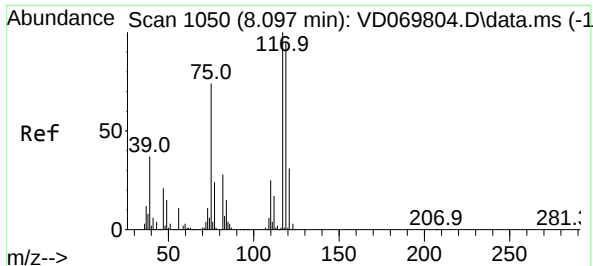
Tgt Ion:	113	Resp:	386766
Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.5	120.7
192	16.6	12.6	19.0



#37
Ethyl Acetate
Concen: 8.852 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion:	43	Resp:	41037
Ion	Ratio	Lower	Upper
43	100		
61	3.5	11.8	17.8#
70	0.6	8.9	13.3#





#38

Carbon Tetrachloride

Concen: 5.388 ug/l

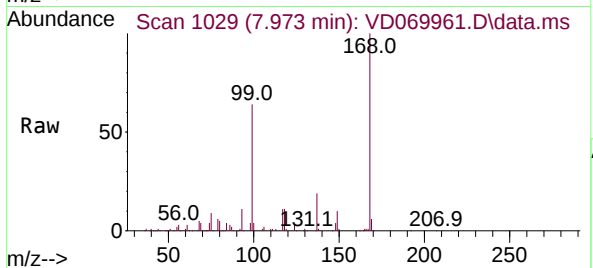
RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

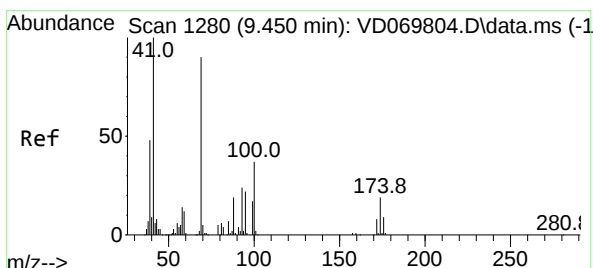
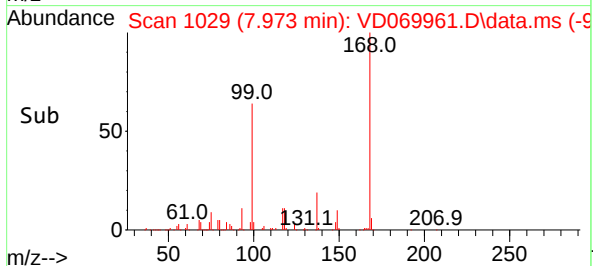
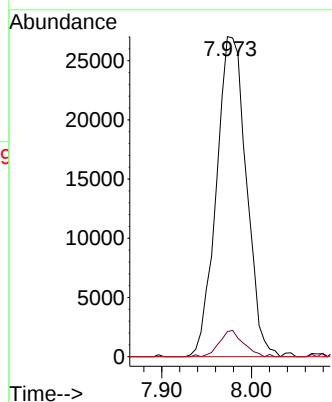
Lab File: VD069961.D

Acq: 03 Aug 2021 12:51

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	117	Resp:	62666
Ion	Ratio	Lower	Upper
117	100		
119	7.8	76.2	114.2#
121	0.0	24.5	36.7#



#48

Methyl methacrylate

Concen: 2.787 ug/l

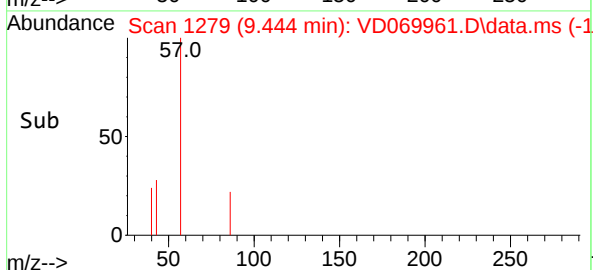
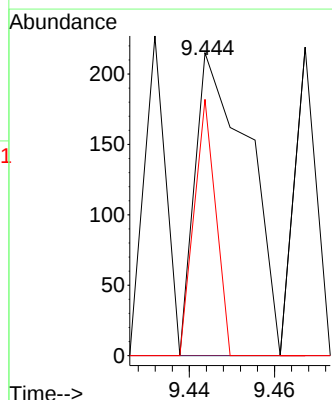
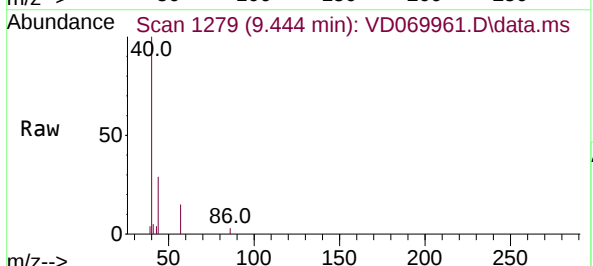
RT: 9.444 min Scan# 1279

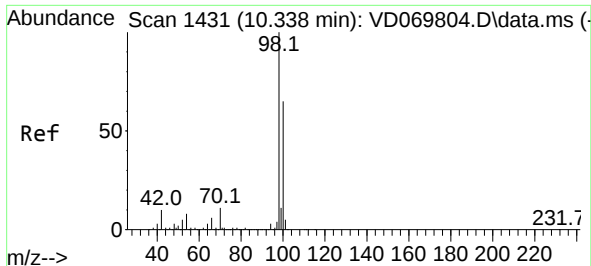
Delta R.T. -0.006 min

Lab File: VD069961.D

Acq: 03 Aug 2021 12:51

Tgt Ion:	41	Resp:	187
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	34.2	36.6	55.0#

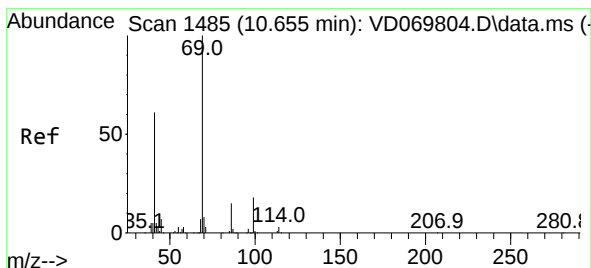
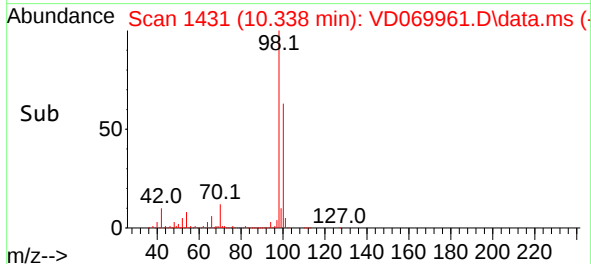
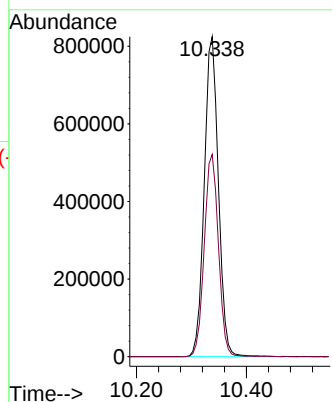
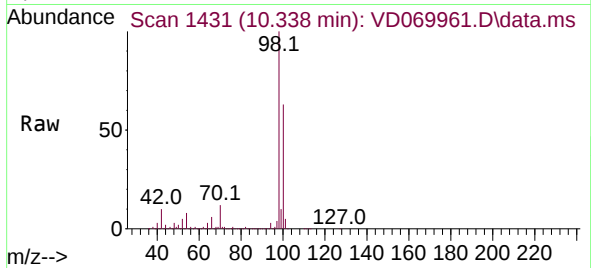




#50
Toluene-d8
Concen: 51.229 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

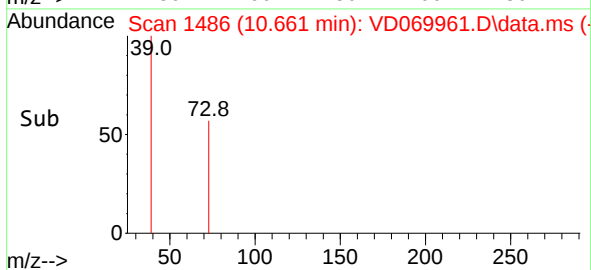
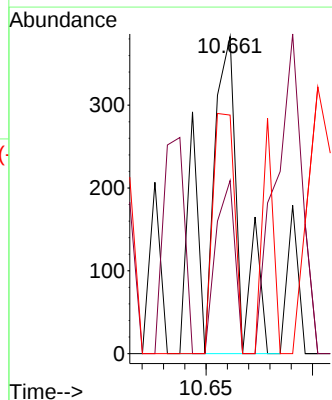
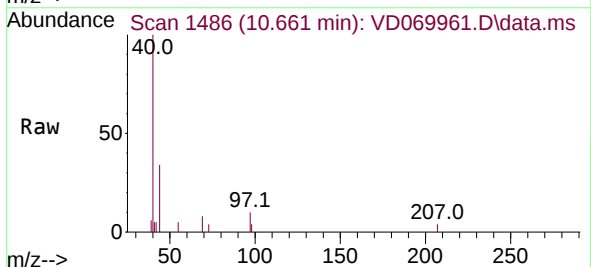
Instrument :
MSVOA_D
ClientSampled :

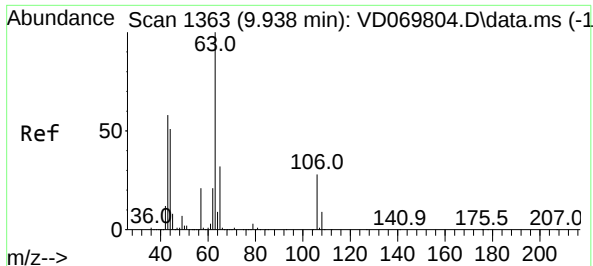
Tgt Ion: 98 Resp: 1469372
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.941 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 69 Resp: 407
Ion Ratio Lower Upper
69 100
41 31.9 50.2 75.2#
39 50.1 22.0 33.0#

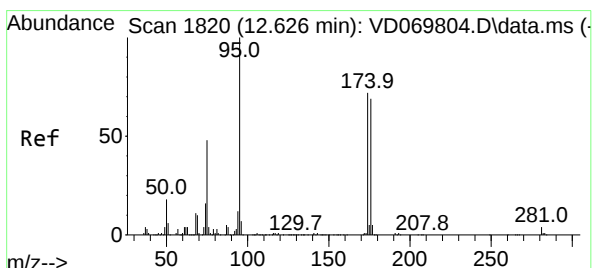
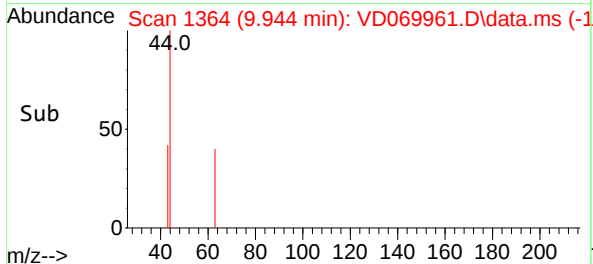
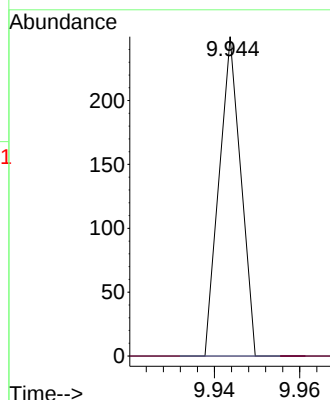
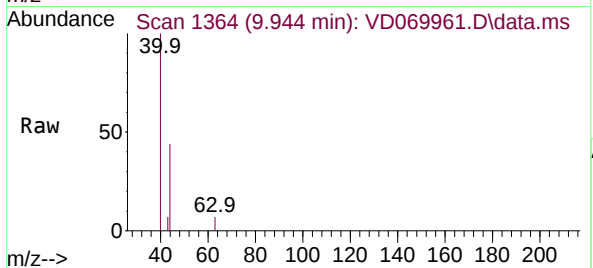




#58
2-Chloroethyl Vinyl ether
Concen: 20.892 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

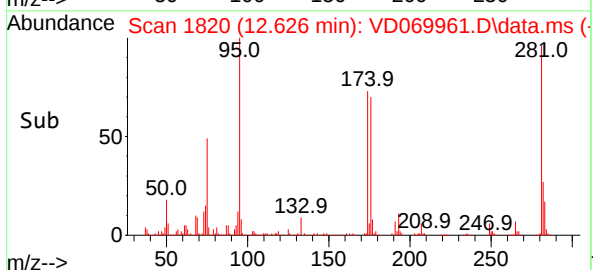
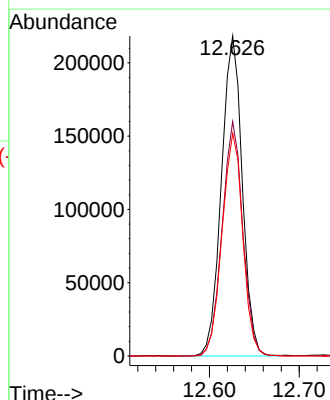
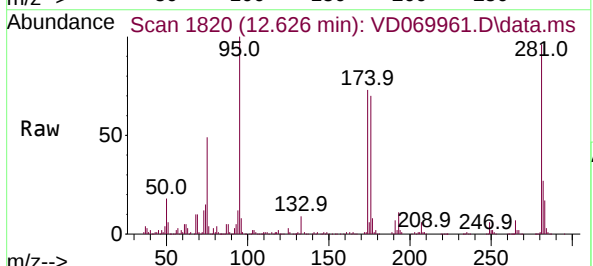
Instrument :
MSVOA_D
ClientSampled :

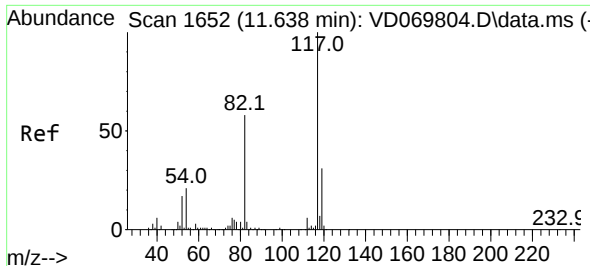
Tgt Ion: 63 Resp: 88
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 36.667 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 95 Resp: 351475
Ion Ratio Lower Upper
95 100
174 72.8 0.0 142.6
176 69.0 0.0 134.2

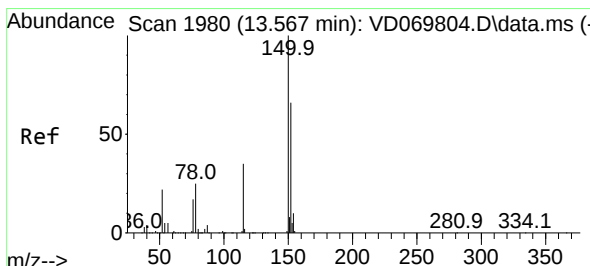
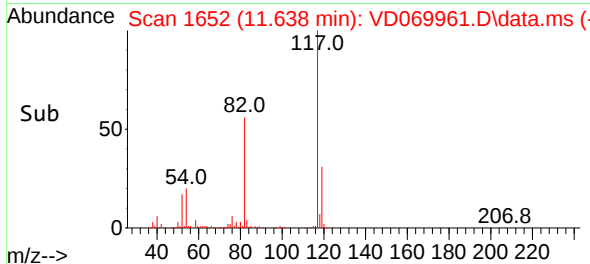
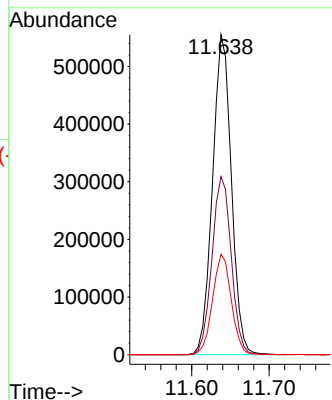
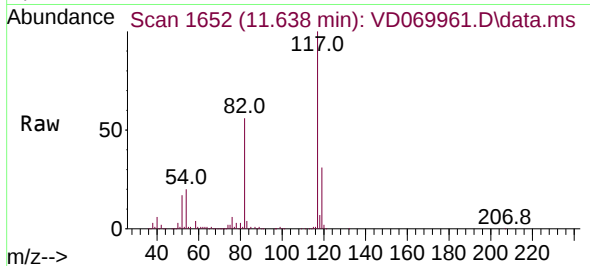




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

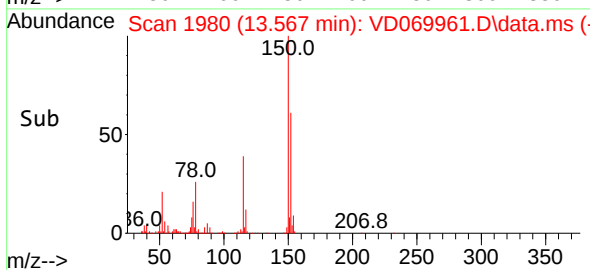
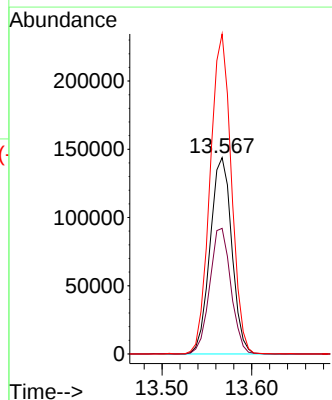
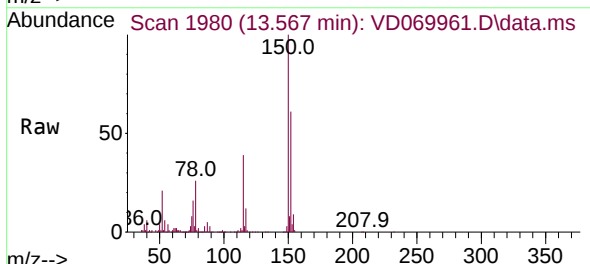
Instrument :
MSVOA_D
ClientSampleId :

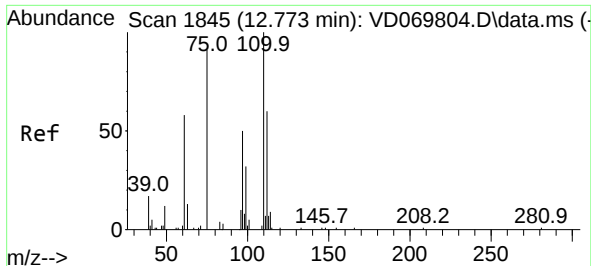
Tgt Ion:117 Resp: 936654
Ion Ratio Lower Upper
117 100
82 55.7 46.3 69.5
119 31.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion:152 Resp: 241225
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.3
150 159.6 0.0 343.0

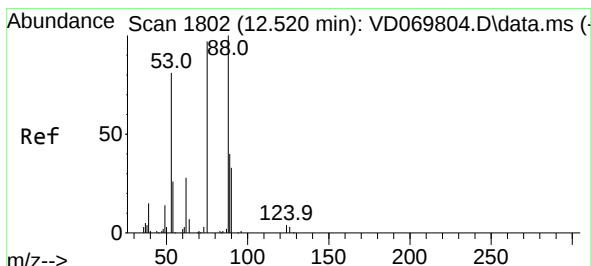
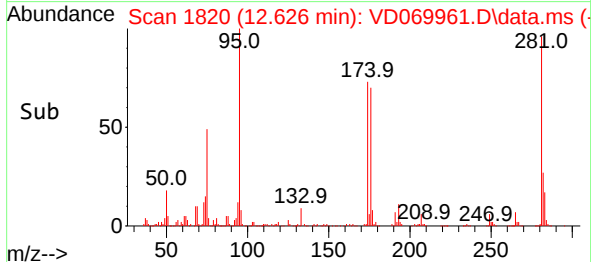
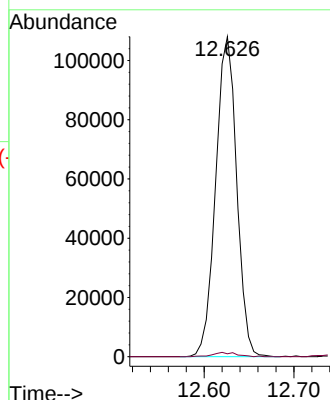
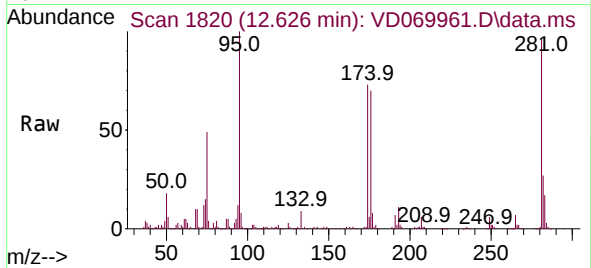




#76
1,2,3-Trichloropropane
Concen: 68.420 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

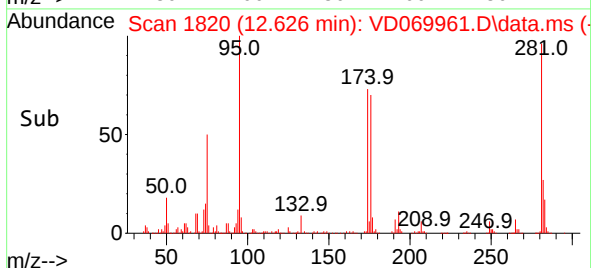
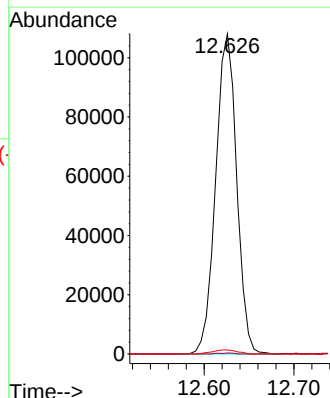
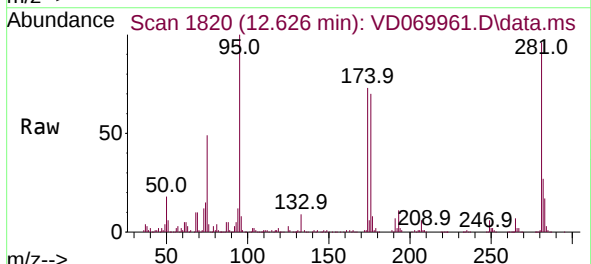
Instrument :
MSVOA_D
ClientSampleId :

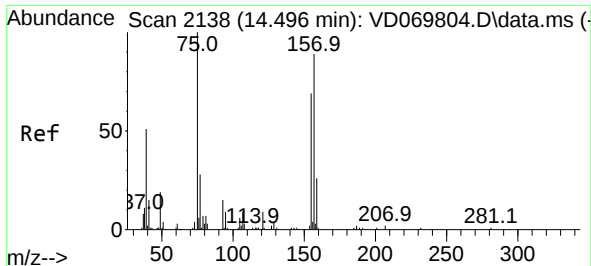
Tgt Ion: 75 Resp: 175431
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 207.567 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 75 Resp: 175431
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 1.5 35.8 53.6#

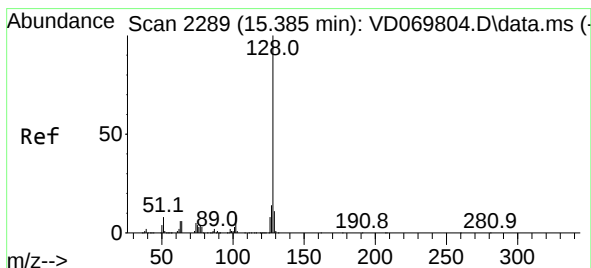
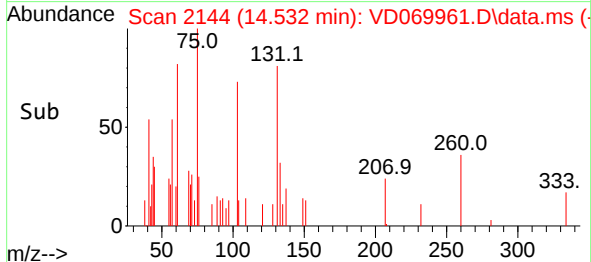
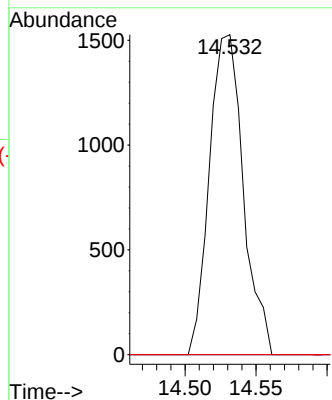
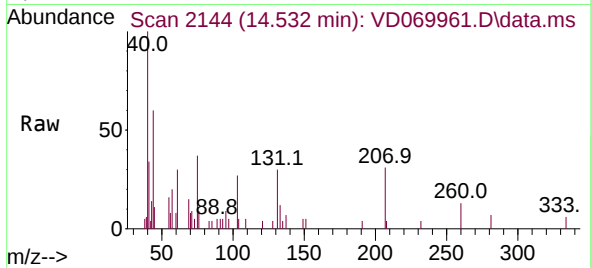




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.084 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 2534
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.245 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069961.D
Acq: 03 Aug 2021 12:51

Tgt Ion: 128 Resp: 2161
Ion Ratio Lower Upper
128 100
127 17.2 10.6 16.0#
129 3.1 8.6 12.8#

