

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070009.D
 Acq On : 09 Aug 2021 21:16
 Operator : VA/SY
 Sample : M3318-06
 Misc : 5.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:07:27 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)

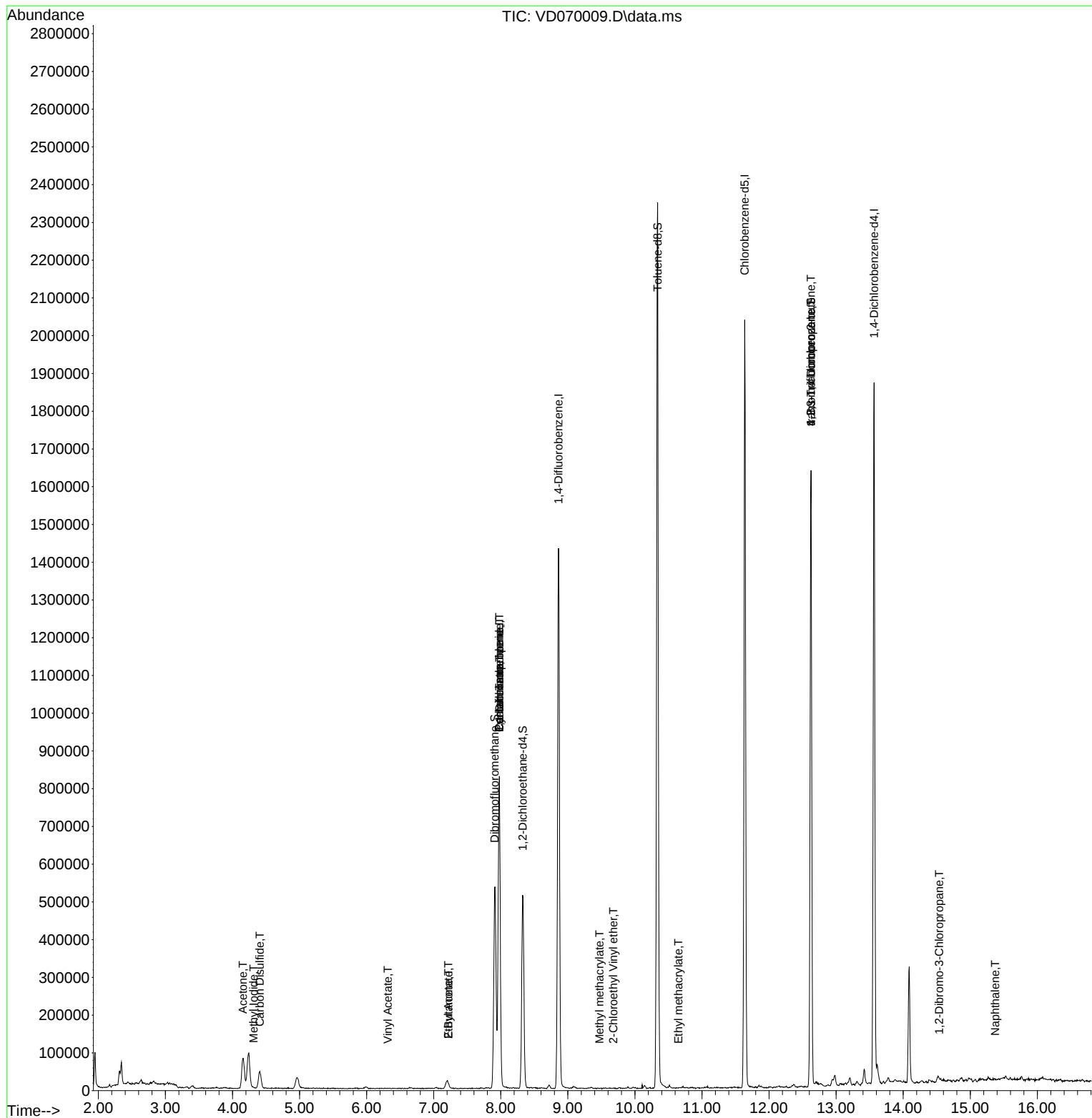
Internal Standards						
1) Pentafluorobenzene	7.979	168	565169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1211415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1156964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	489506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	416393	64.061	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.120%			
35) Dibromofluoromethane	7.908	113	398751	52.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.420%			
50) Toluene-d8	10.338	98	1580869	53.685	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.380%			
62) 4-Bromofluorobenzene	12.626	95	510834	51.907	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.820%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2430	Below Cal		83
10) Methyl Iodide	4.314	142	499	3.529 ug/l #		40
16) Acetone	4.156	43	144991	123.482 ug/l		98
17) Carbon Disulfide	4.409	76	98197	4.247 ug/l		97
20) Methylene Chloride	4.967	84	24388	Below Cal #		88
23) Vinyl Acetate	6.314	43	75	20.355 ug/l #		71
25) 2-Butanone	7.220	43	14454	9.077 ug/l		99
31) Cyclohexane	7.979	56	13587	1.070 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	50503	3.863 ug/l #		51
37) Ethyl Acetate	7.220	43	14454	3.037 ug/l #		71
38) Carbon Tetrachloride	7.979	117	62326	5.219 ug/l #		18
48) Methyl methacrylate	9.473	41	93	2.766 ug/l #		85
56) Ethyl methacrylate	10.649	69	65	3.903 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.679	63	61	20.885 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	251298	48.298 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	251298	146.523 ug/l #		16
92) 1,2-Dibromo-3-Chloropr...	14.537	75	1093	1.081 ug/l #		7
95) Naphthalene	15.373	128	1317	5.073 ug/l #		76

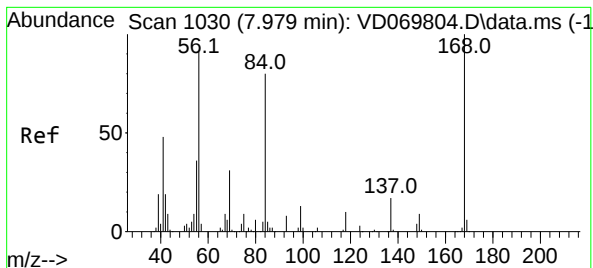
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070009.D

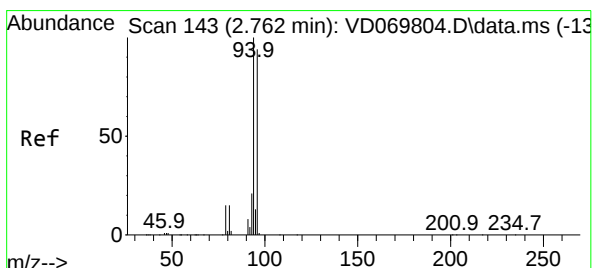
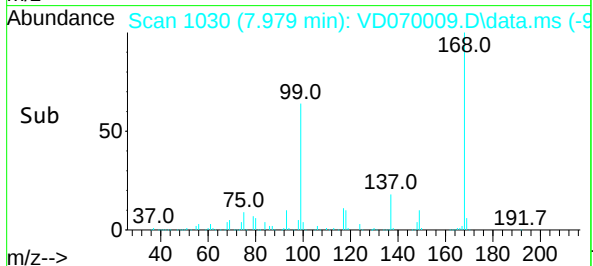
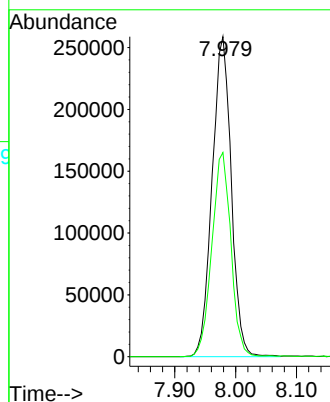
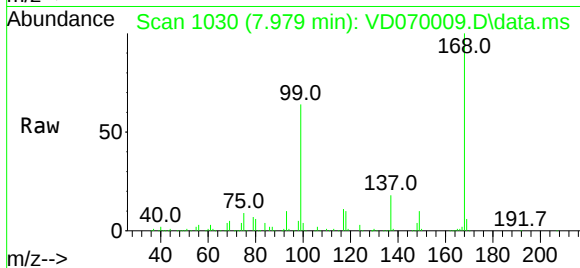
Acq: 09 Aug 2021 21:16

Tgt Ion:168 Resp: 565169

Ion Ratio Lower Upper

168 100

99 63.8 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070009.D

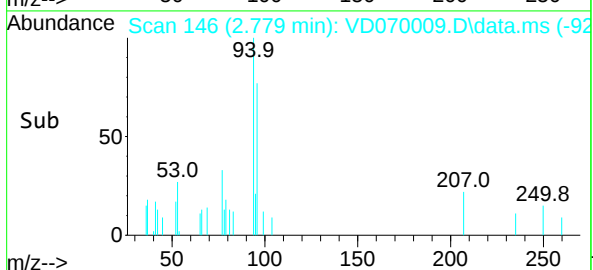
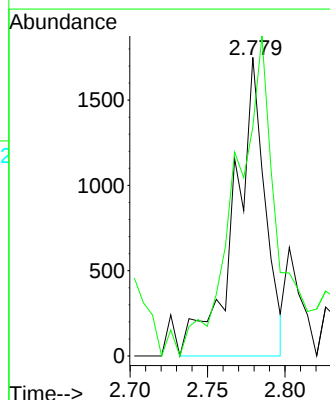
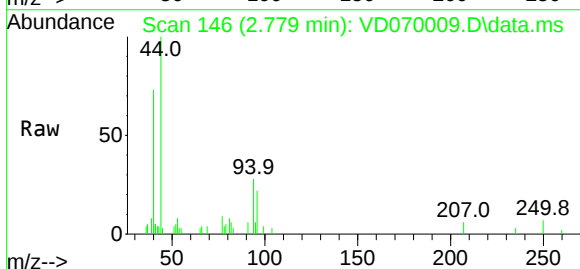
Acq: 09 Aug 2021 21:16

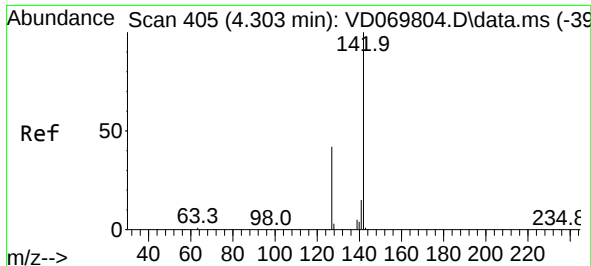
Tgt Ion: 94 Resp: 2430

Ion Ratio Lower Upper

94 100

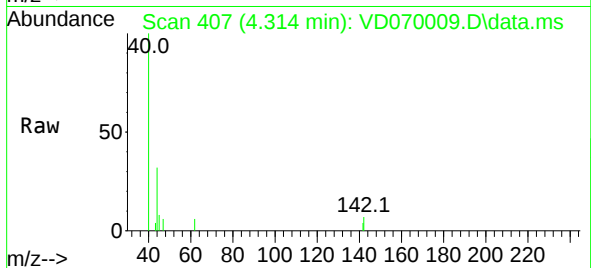
96 76.7 74.8 112.2



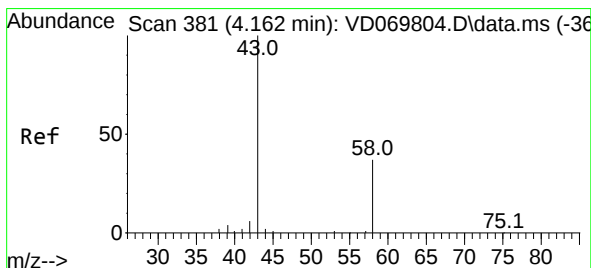
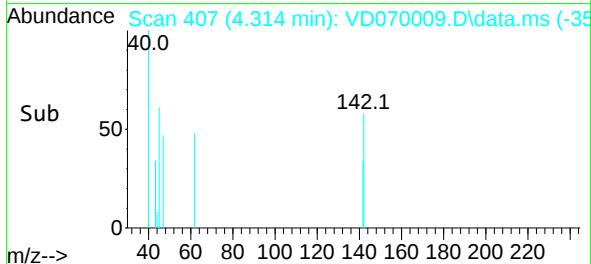
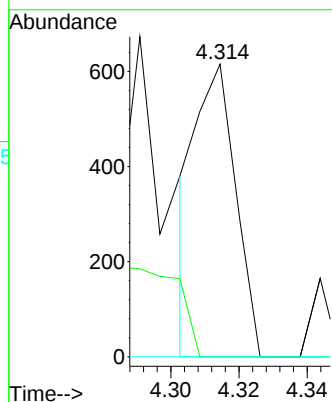


#10
Methyl Iodide
Concen: 3.529 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

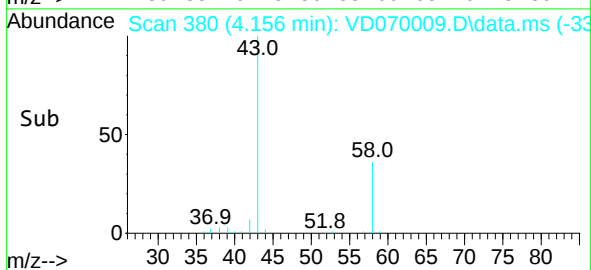
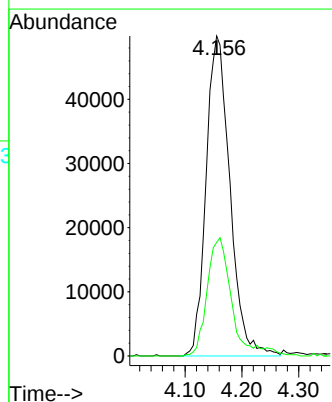
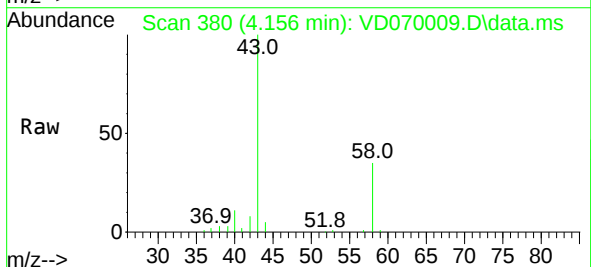


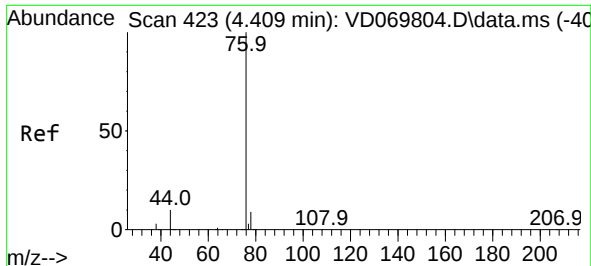
Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 123.482 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

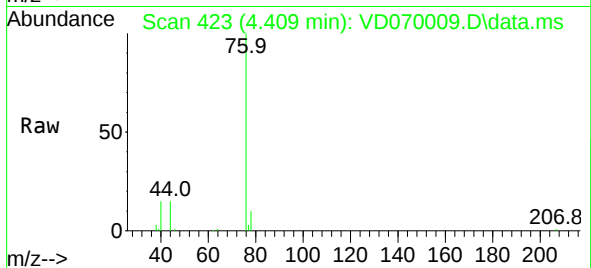
Tgt Ion: 43 Resp: 144991
Ion Ratio Lower Upper
43 100
58 35.5 29.4 44.0



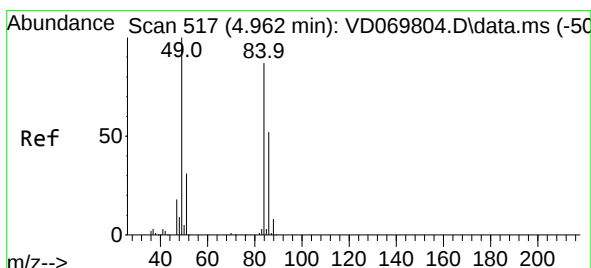
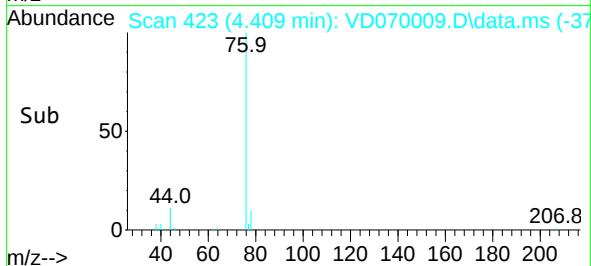
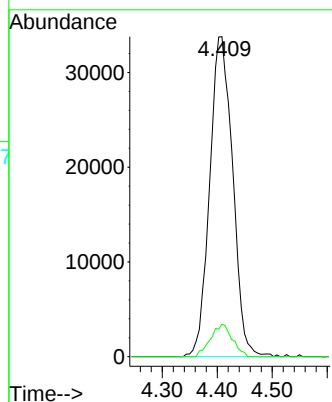


#17
Carbon Disulfide
Concen: 4.247 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

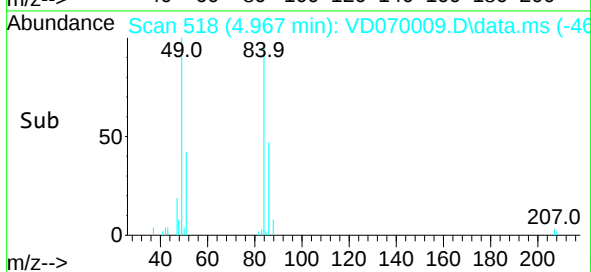
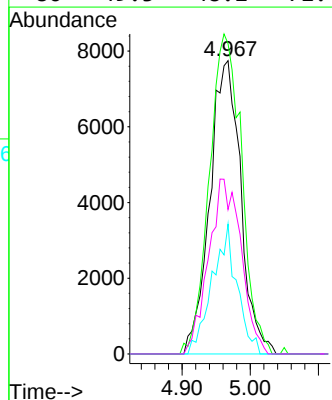
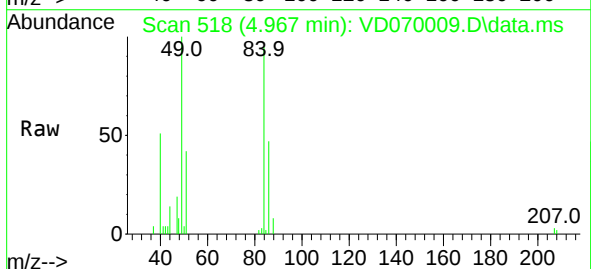


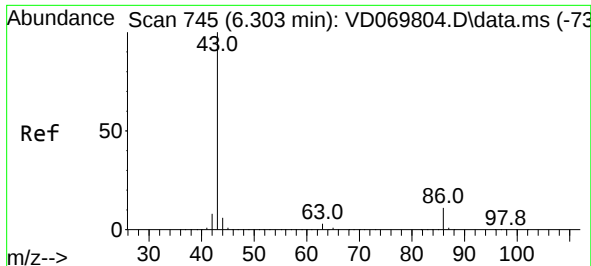
Tgt Ion: 76 Resp: 98197
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 84 Resp: 24388
Ion Ratio Lower Upper
84 100
49 105.8 92.4 138.6
51 44.3 28.5 42.7#
86 49.3 48.2 72.4

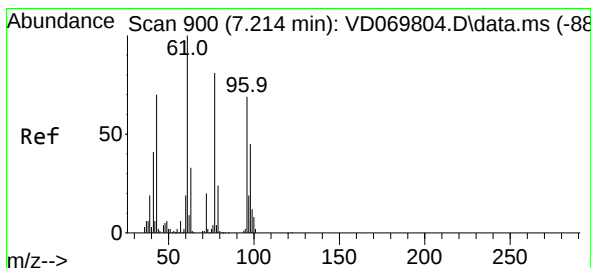
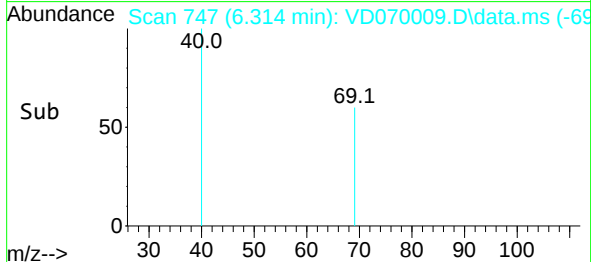
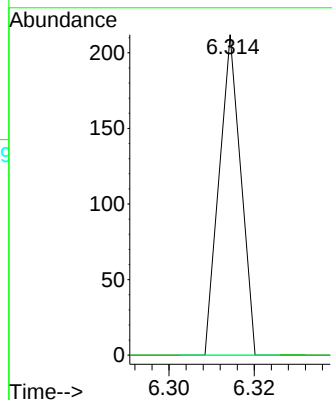
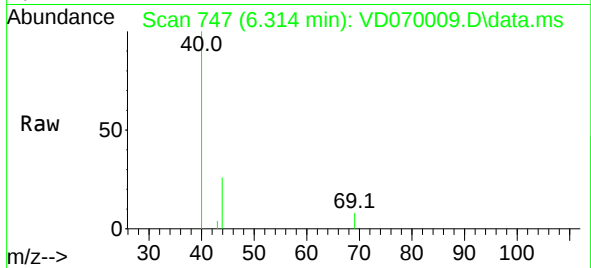




#23
 Vinyl Acetate
 Concen: 20.355 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD070009.D
 Acq: 09 Aug 2021 21:16

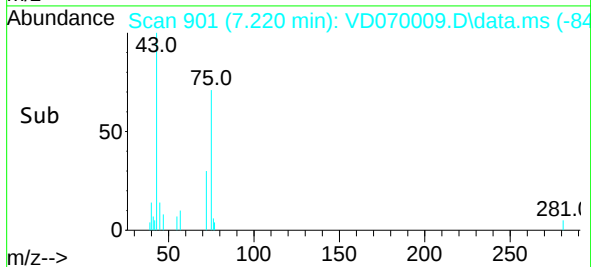
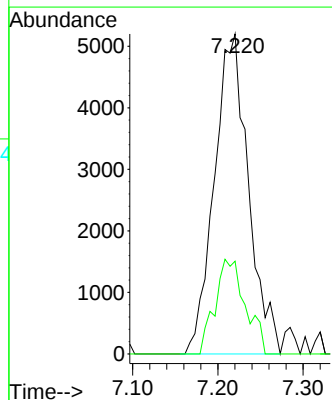
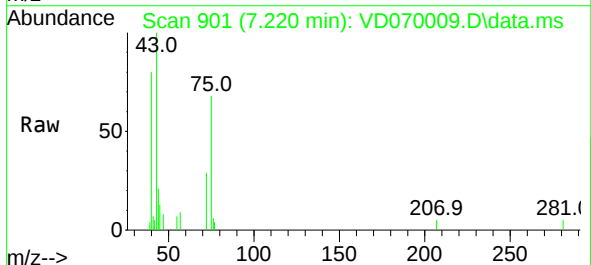
Instrument :
 MSVOA_D
 ClientSampled :

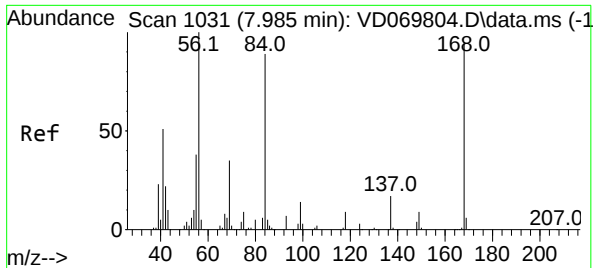
Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 9.077 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD070009.D
 Acq: 09 Aug 2021 21:16

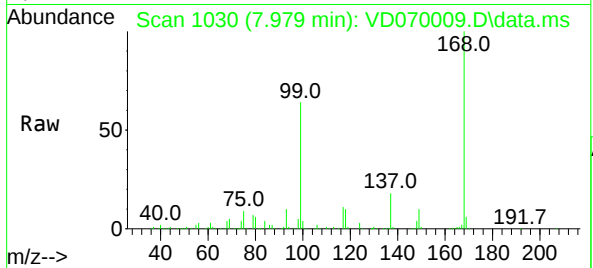
Tgt Ion: 43 Resp: 14454
 Ion Ratio Lower Upper
 43 100
 72 29.0 22.8 34.2



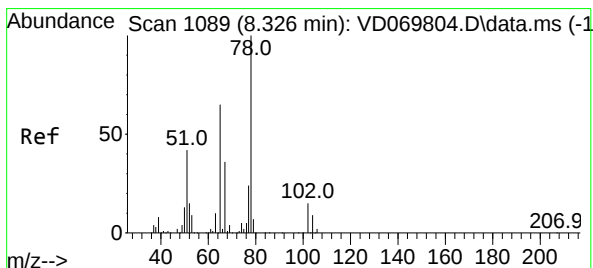
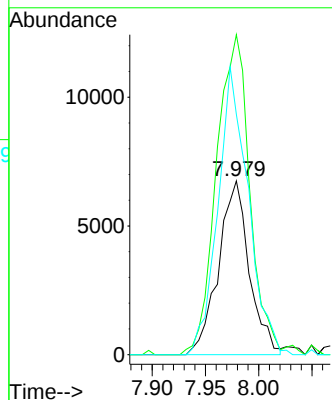
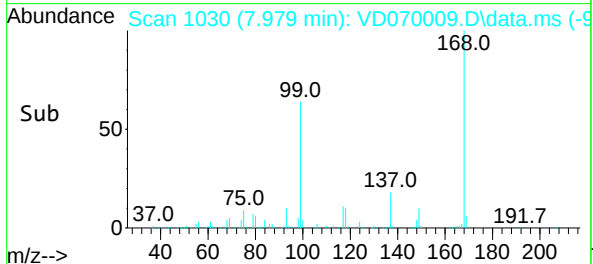


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

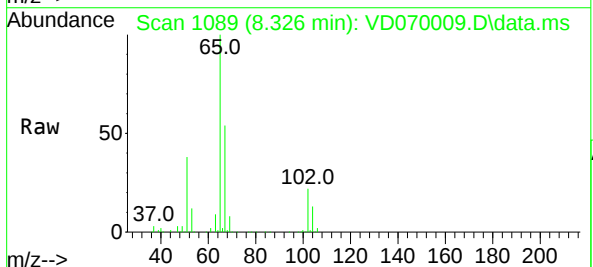
Instrument :
MSVOA_D
ClientSampleId :



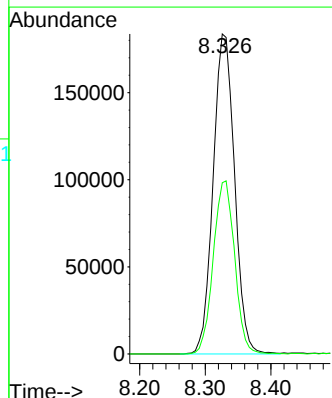
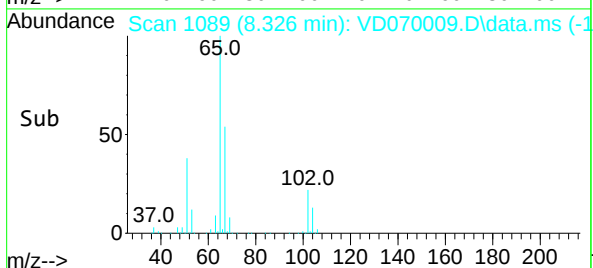
Tgt Ion: 56 Resp: 13587
Ion Ratio Lower Upper
56 100
69 184.2 27.9 41.9#
84 138.4 71.4 107.2#

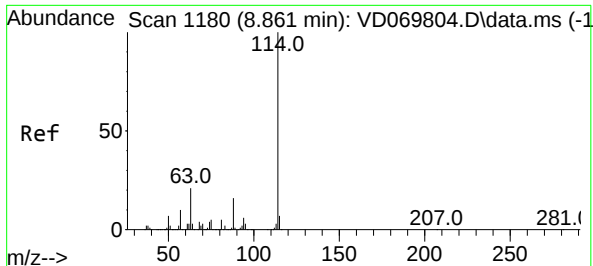


#33
1,2-Dichloroethane-d4
Concen: 64.061 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16



Tgt Ion: 65 Resp: 416393
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2

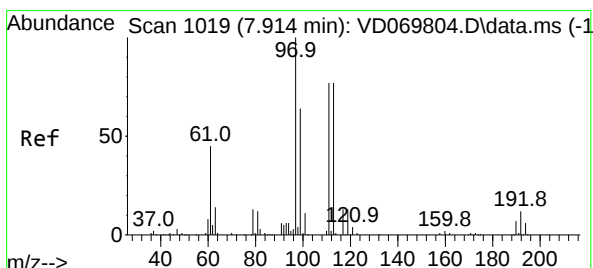
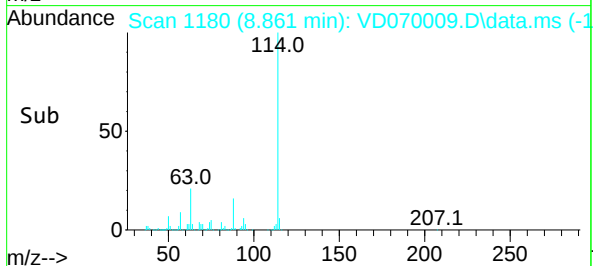
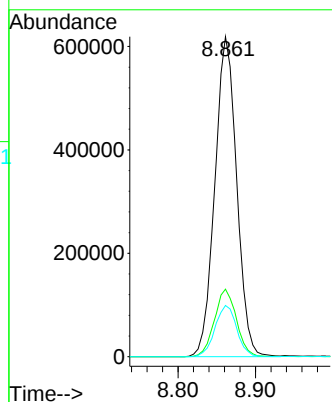
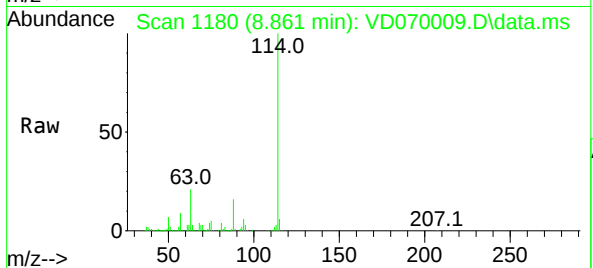




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

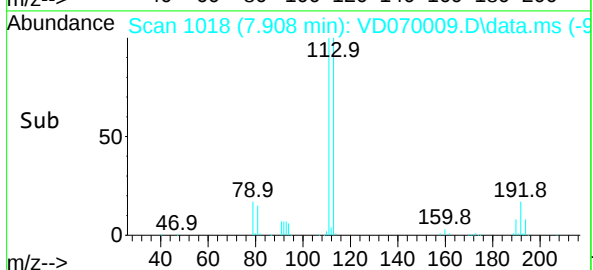
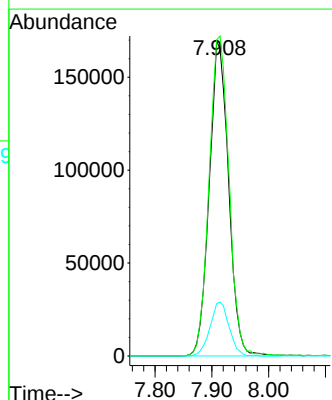
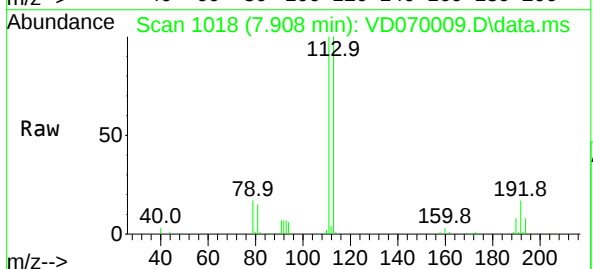
Instrument :
MSVOA_D
ClientSampled :

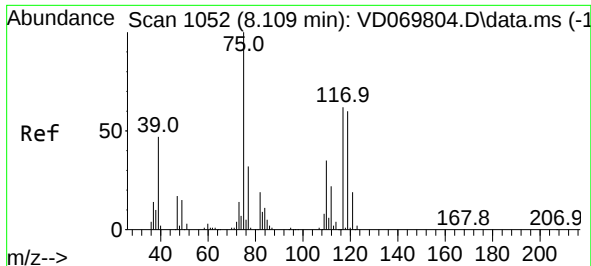
Tgt Ion:114 Resp: 1211415
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.215 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

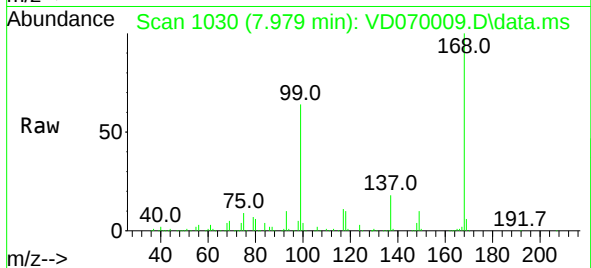
Tgt Ion:113 Resp: 398751
Ion Ratio Lower Upper
113 100
111 104.8 80.5 120.7
192 16.9 12.6 19.0



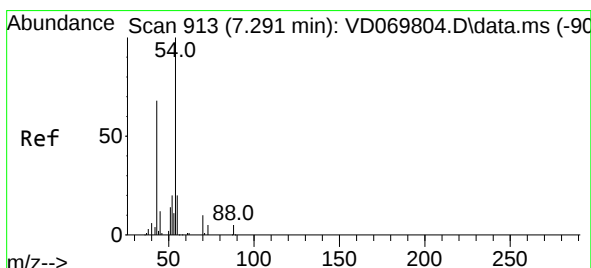
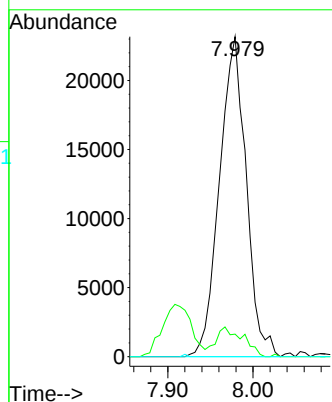
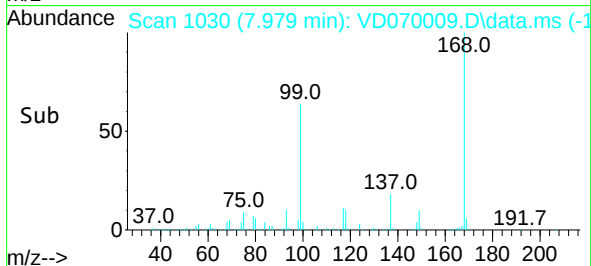


#36
1,1-Dichloropropene
Concen: 3.863 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

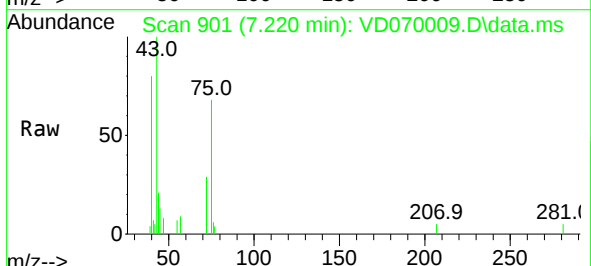
Instrument :
MSVOA_D
ClientSampled :



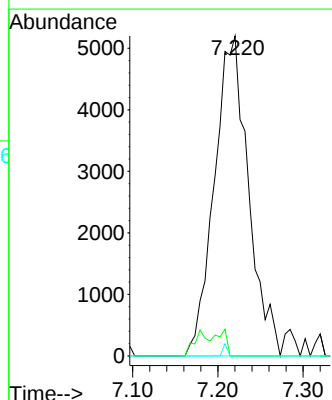
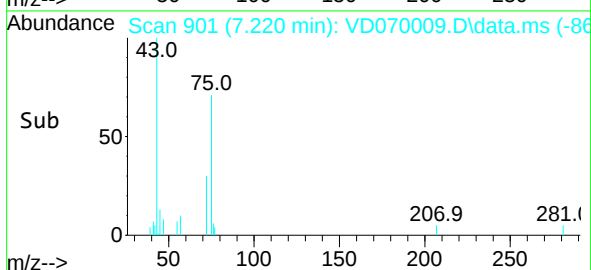
Tgt Ion: 75 Resp: 50503
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.9 37.3#

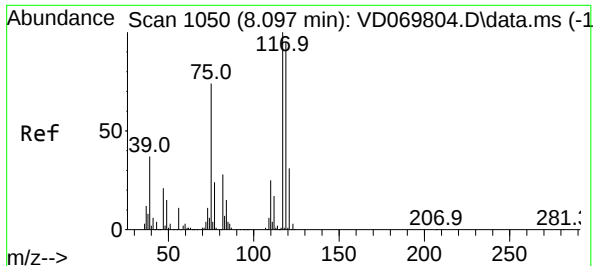


#37
Ethyl Acetate
Concen: 3.037 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16



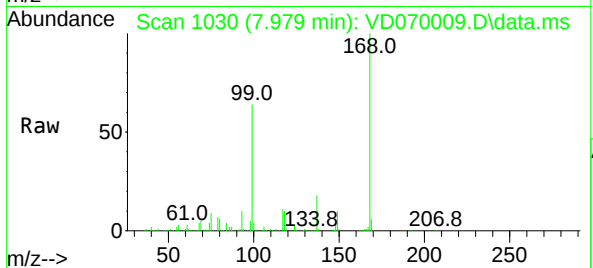
Tgt Ion: 43 Resp: 14454
Ion Ratio Lower Upper
43 100
61 2.6 11.8 17.8#
70 0.5 8.9 13.3#



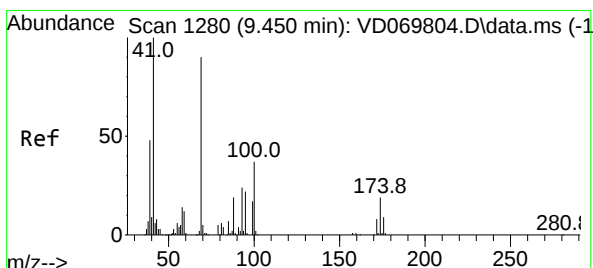
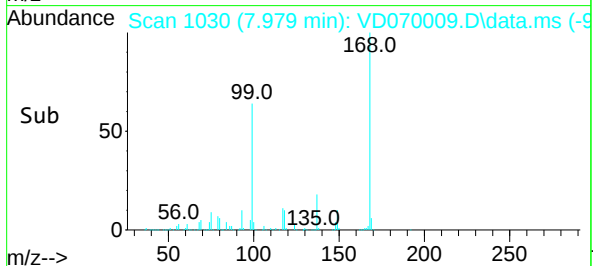
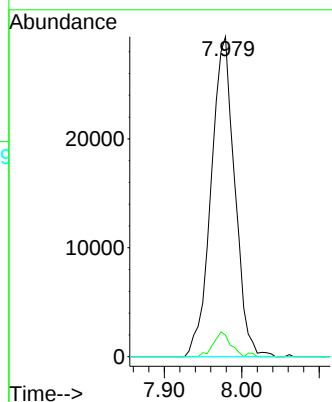


#38
Carbon Tetrachloride
Concen: 5.219 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Instrument :
MSVOA_D
ClientSampleId :

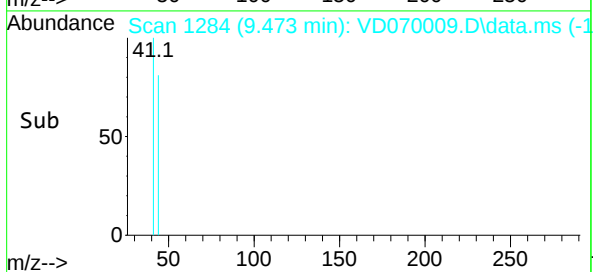
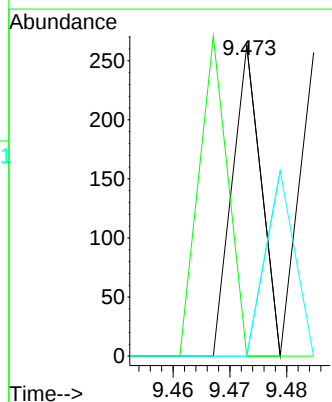
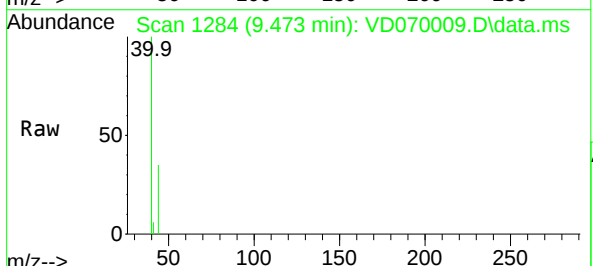


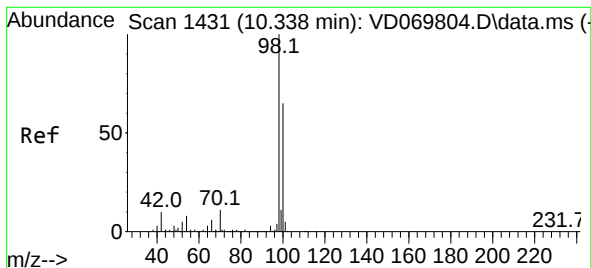
Tgt Ion:117 Resp: 62326
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.766 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.023 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
69 103.2 73.4 110.2
39 59.1 36.6 55.0#

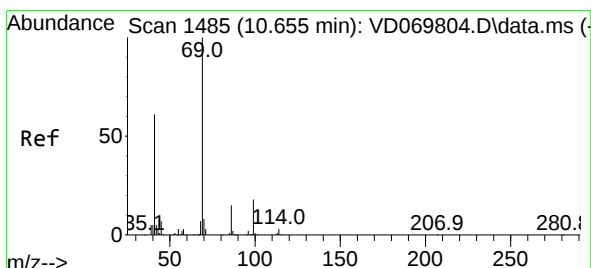
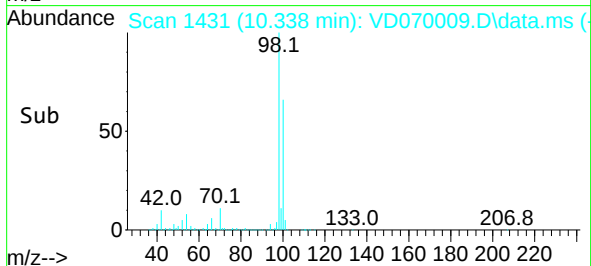
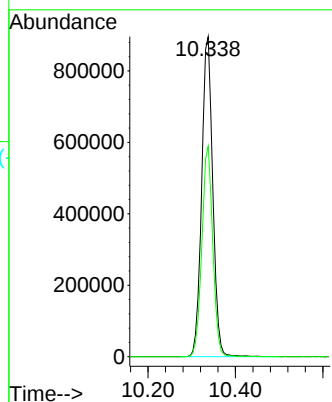
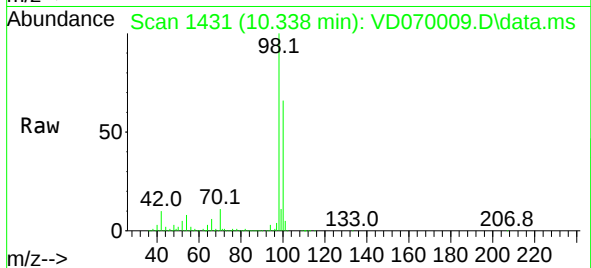




#50
Toluene-d8
Concen: 53.685 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

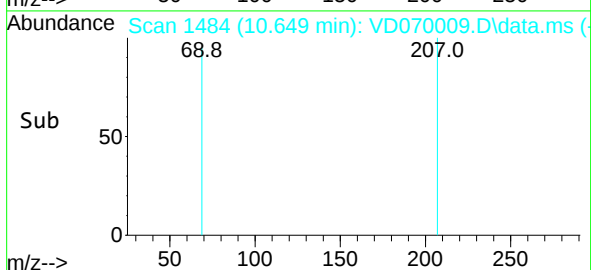
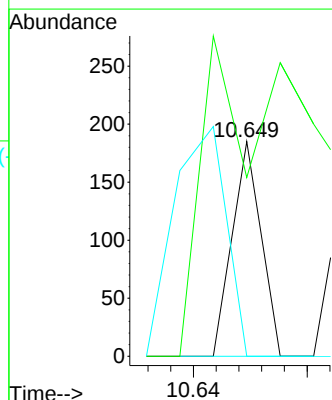
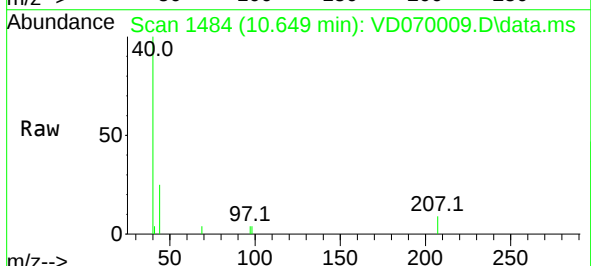
Instrument :
MSVOA_D
ClientSampled :

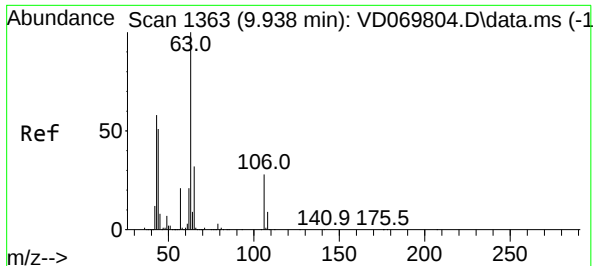
Tgt Ion: 98 Resp: 1580869
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.903 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 193.8 22.0 33.0#

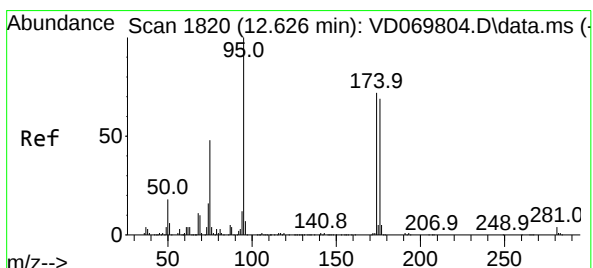
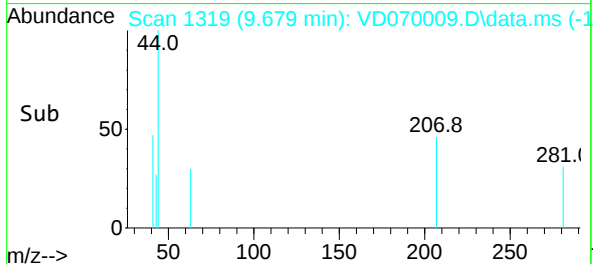
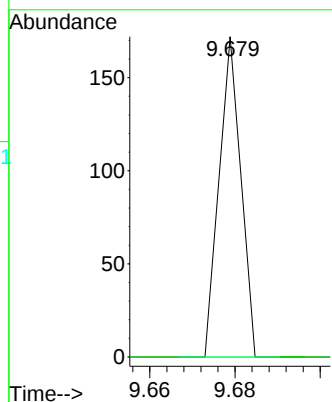
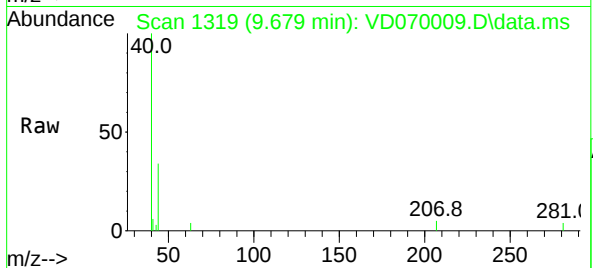




#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.679 min Scan# 1319
Delta R.T. -0.259 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

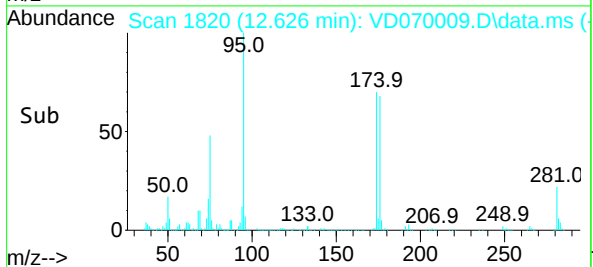
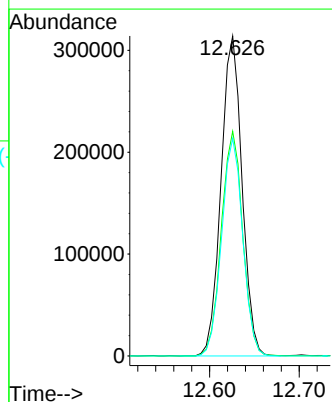
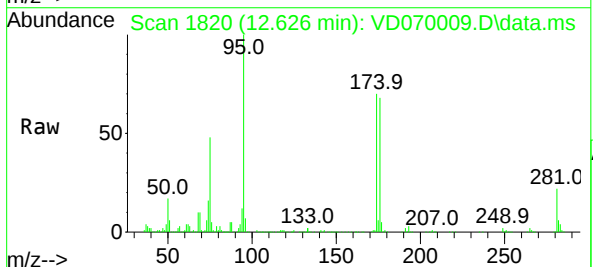
Instrument :
MSVOA_D
ClientSampled :

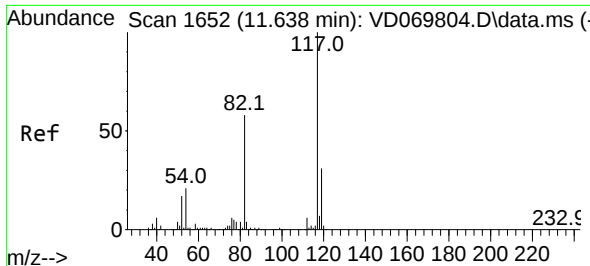
Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 51.907 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 95 Resp: 510834
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 68.3 0.0 134.2

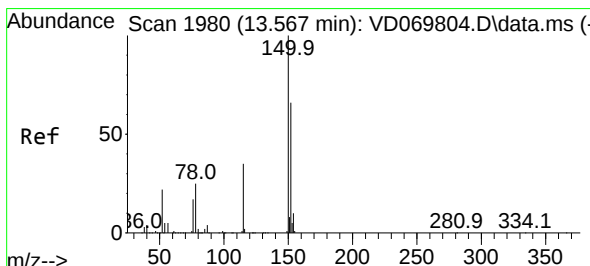
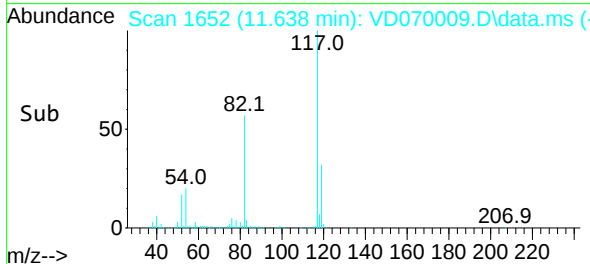
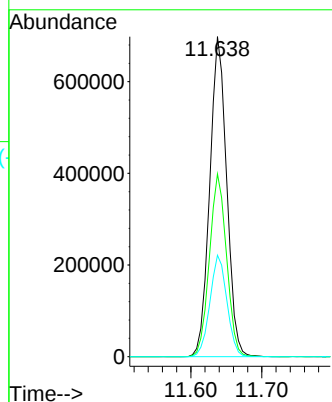
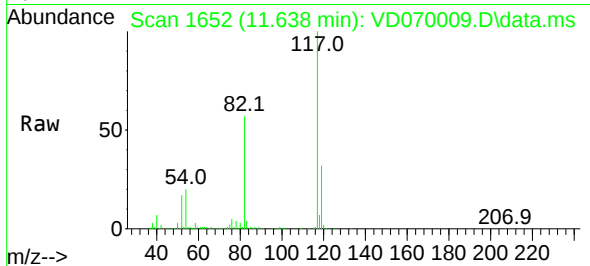




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

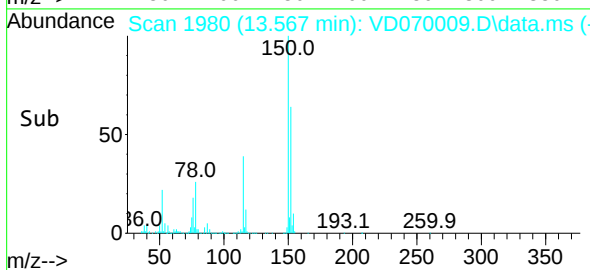
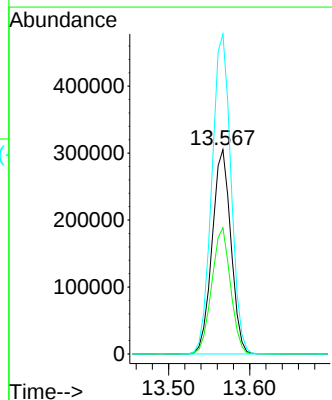
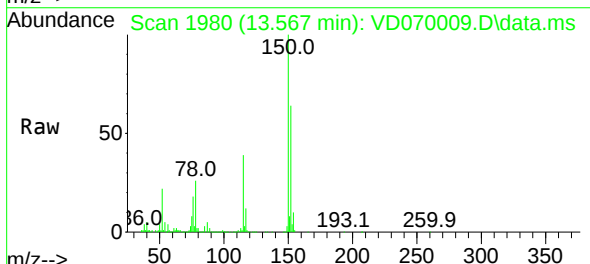
Instrument :
MSVOA_D
ClientSampleId :

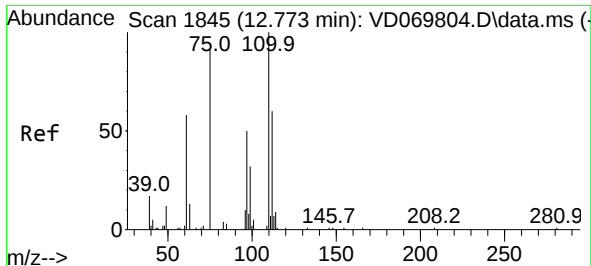
Tgt Ion:117 Resp: 1156964
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion:152 Resp: 489506
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.3
150 158.9 0.0 343.0

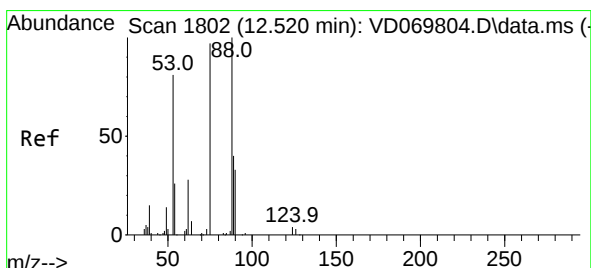
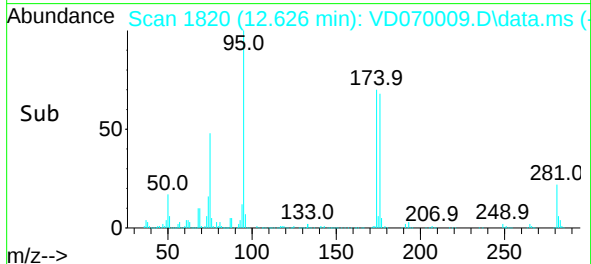
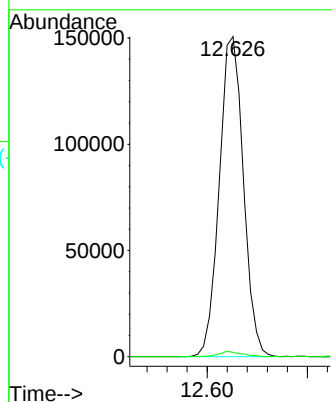
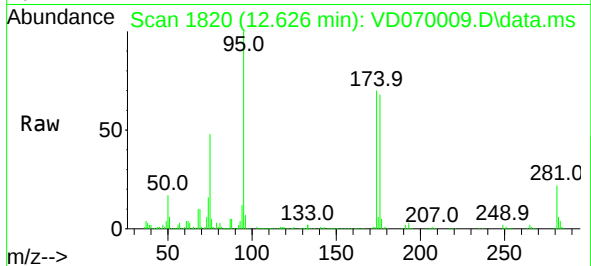




#76
1,2,3-Trichloropropane
Concen: 48.298 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

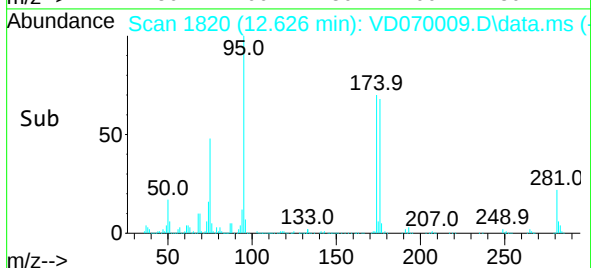
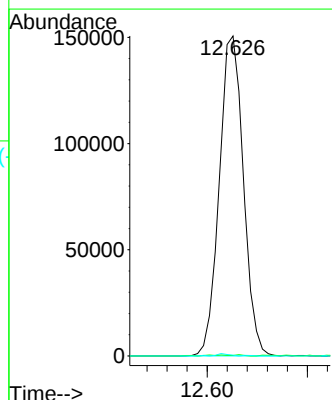
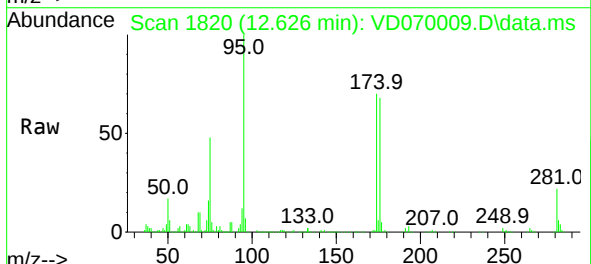
Instrument :
MSVOA_D
ClientSampleId :

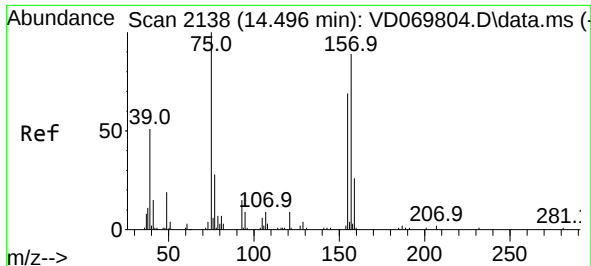
Tgt Ion: 75 Resp: 251298
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.523 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 75 Resp: 251298
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.4 35.8 53.6#

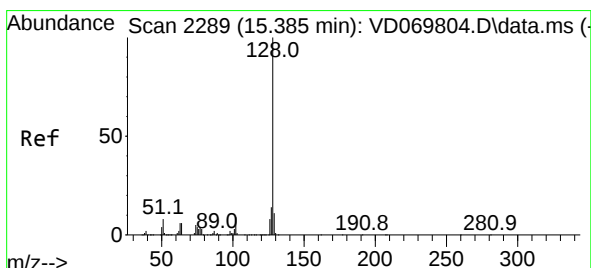
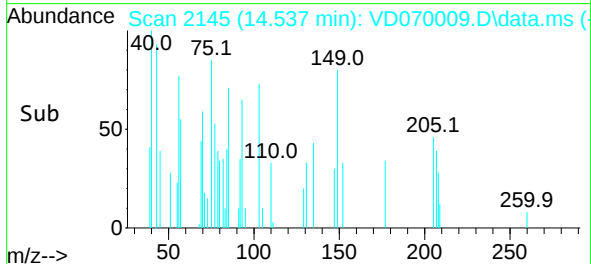
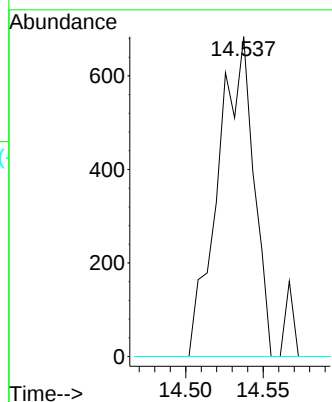
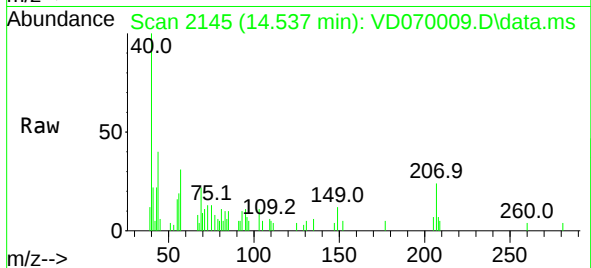




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.081 ug/l
RT: 14.537 min Scan# 2145
Delta R.T. 0.041 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 1093
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.073 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070009.D
Acq: 09 Aug 2021 21:16

Tgt Ion: 128 Resp: 1317
Ion Ratio Lower Upper
128 100
127 4.9 10.6 16.0#
129 0.0 8.6 12.8#

