

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070027.D
 Acq On : 11 Aug 2021 17:01
 Operator : VA/SY
 Sample : M3340-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:30:47 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)

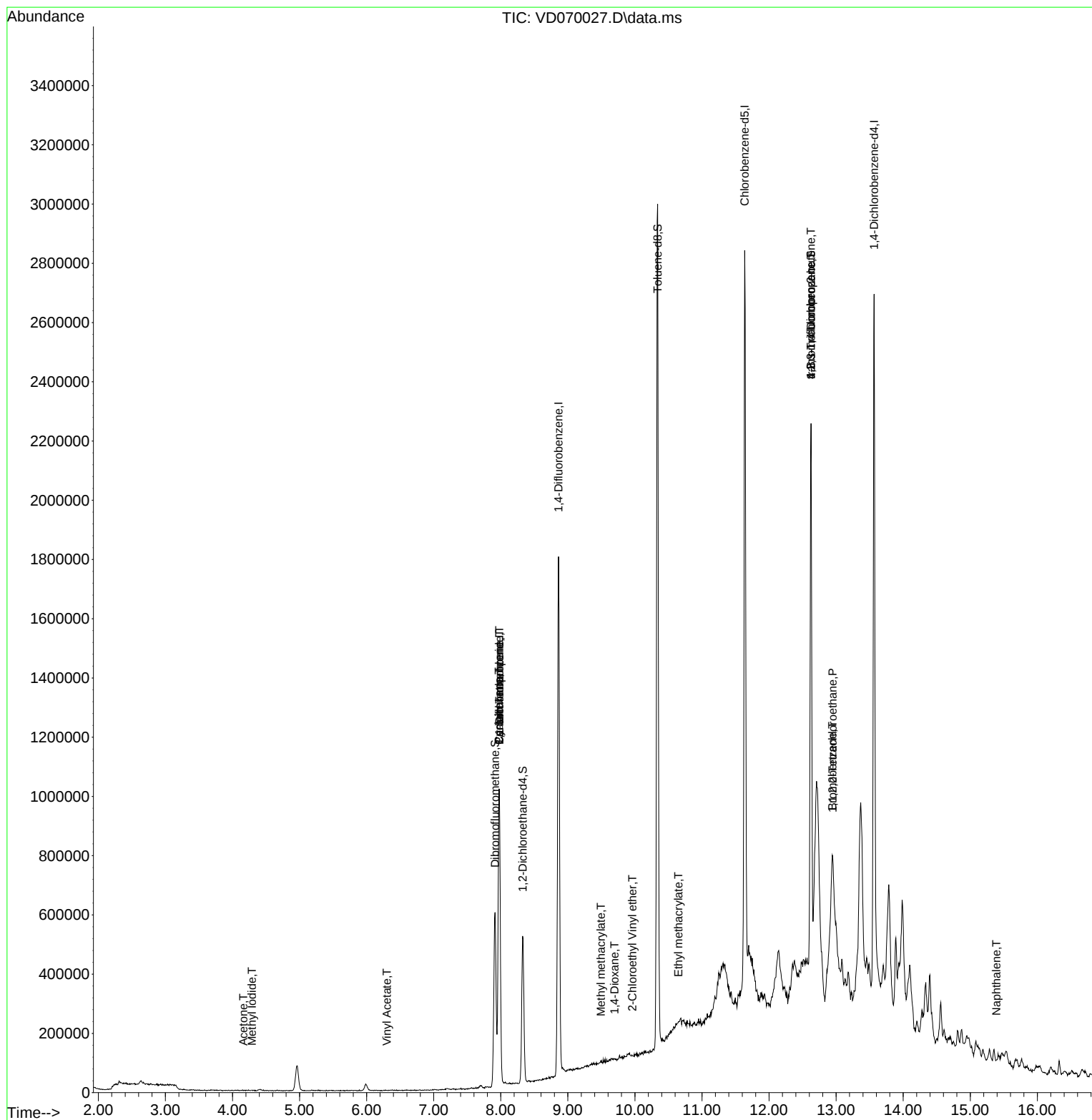
Internal Standards						
1) Pentafluorobenzene	7.979	168	741368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1514930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1433534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	625244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	391840	45.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.920%
35) Dibromofluoromethane	7.914	113	439574	46.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.060%
50) Toluene-d8	10.338	98	2002910	54.390	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.780%
62) 4-Bromofluorobenzene	12.626	95	666796	54.181	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	3037	Below Cal		83
10) Methyl Iodide	4.291	142	1187	3.582 ug/l #		74
16) Acetone	4.161	43	2229	1.447 ug/l		88
20) Methylene Chloride	4.961	84	70085	Below Cal		89
23) Vinyl Acetate	6.303	43	76	20.354 ug/l #		71
31) Cyclohexane	7.973	56	18134	1.088 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	64053	3.918 ug/l #		50
38) Carbon Tetrachloride	7.979	117	79728	5.339 ug/l #		18
48) Methyl methacrylate	9.491	41	1103	2.930 ug/l #		13
49) 1,4-Dioxane	9.696	88	80	1.238 ug/l #		1
56) Ethyl methacrylate	10.649	69	1972	4.066 ug/l #		38
58) 2-Chloroethyl Vinyl ether	9.961	63	835	21.033 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.949	83	16040	1.788 ug/l		79
76) 1,2,3-Trichloropropane	12.626	75	325755	49.016 ug/l #		1
77) Bromobenzene	12.943	156	436895	43.179 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	325755	148.702 ug/l #		16
95) Naphthalene	15.390	128	1122	5.048 ug/l #		1

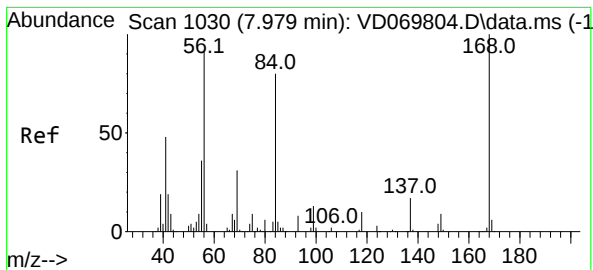
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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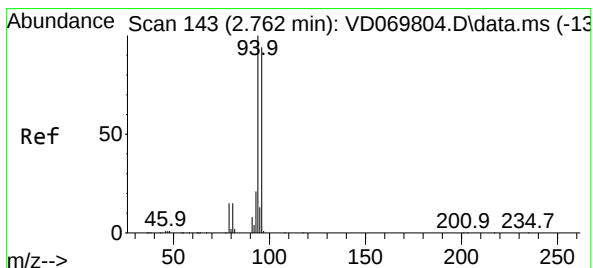
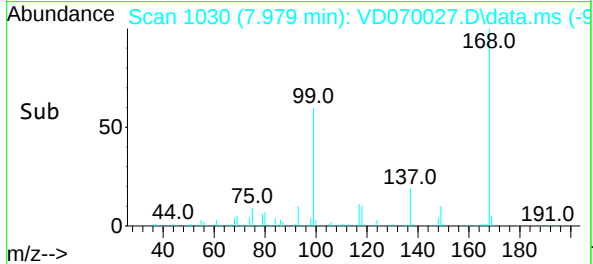
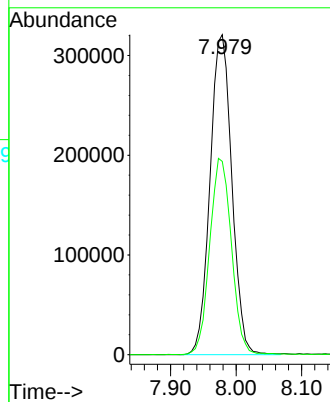
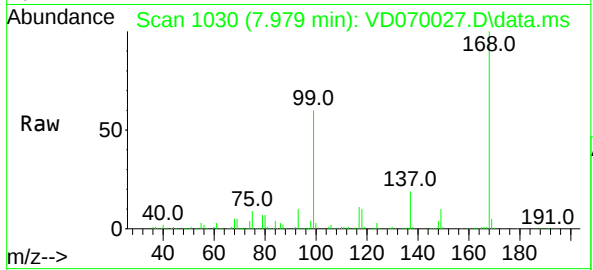




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

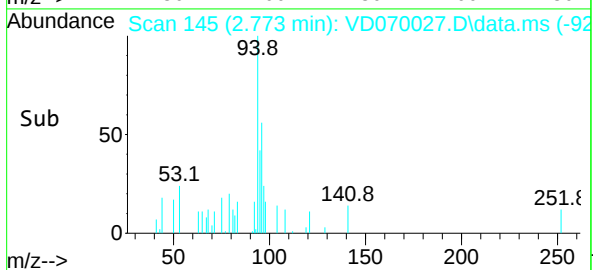
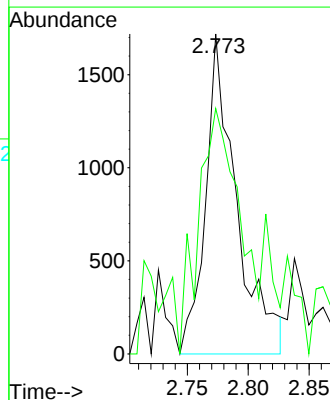
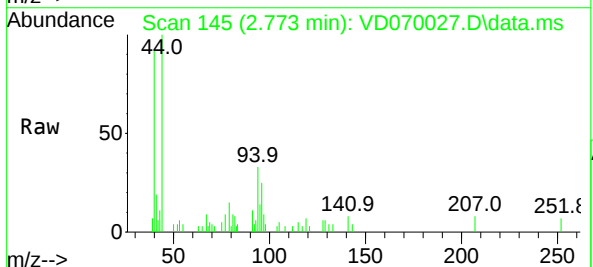
Instrument :
MSVOA_D
ClientSampleId :

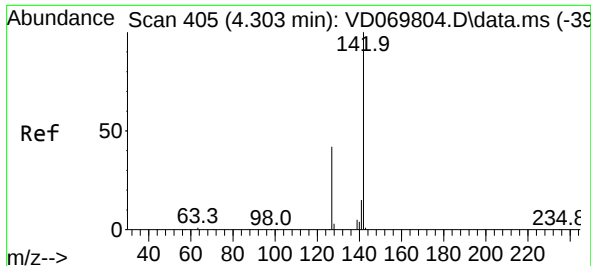
Tgt Ion:168 Resp: 741368
Ion Ratio Lower Upper
168 100
99 60.4 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Tgt Ion: 94 Resp: 3037
Ion Ratio Lower Upper
94 100
96 76.7 74.8 112.2

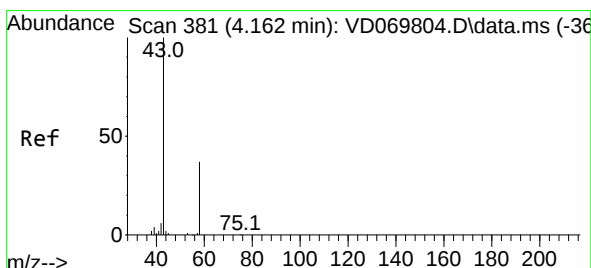
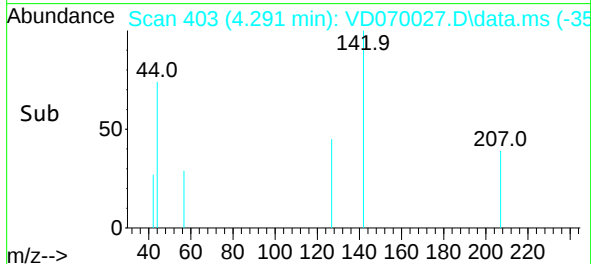
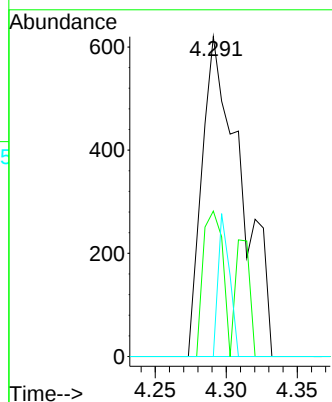
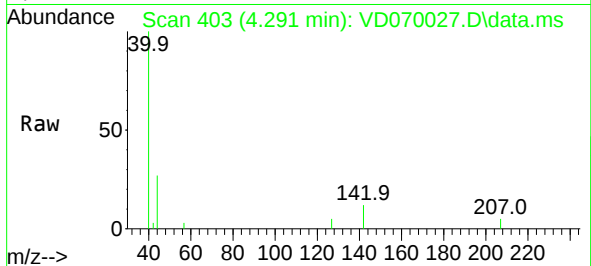




#10
Methyl Iodide
Concen: 3.582 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

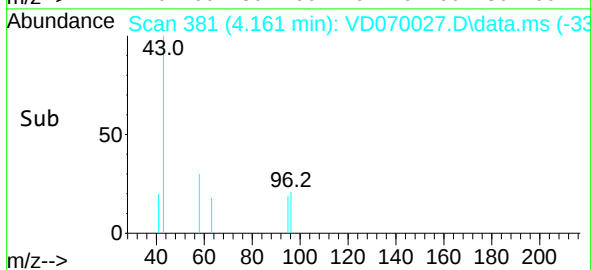
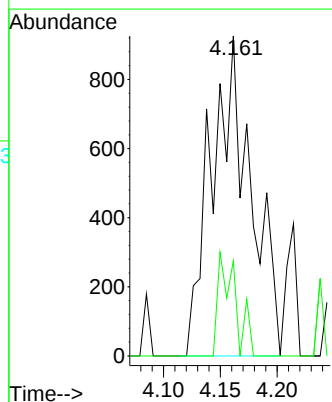
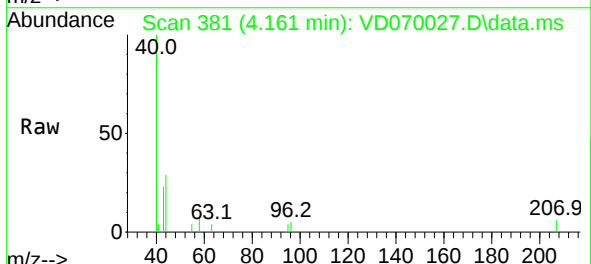
Instrument :
MSVOA_D
ClientSampled :

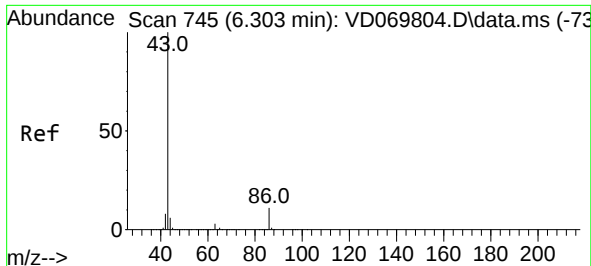
Tgt Ion:142 Resp: 1187
Ion Ratio Lower Upper
142 100
127 22.7 35.7 53.5#
141 12.9 12.0 18.0



#16
Acetone
Concen: 1.447 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
58 29.7 29.4 44.0

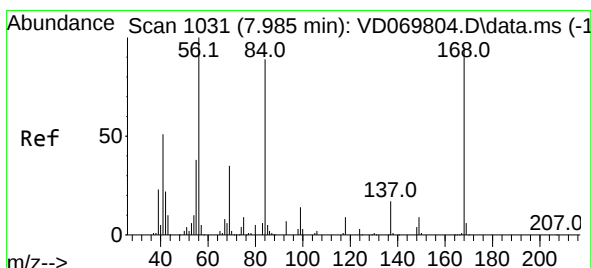
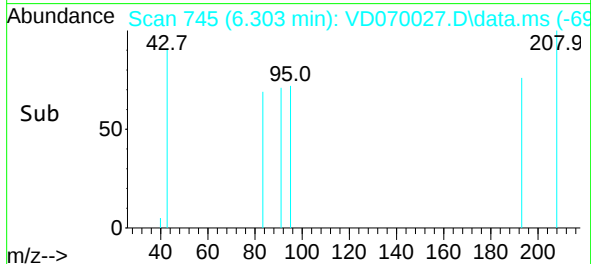
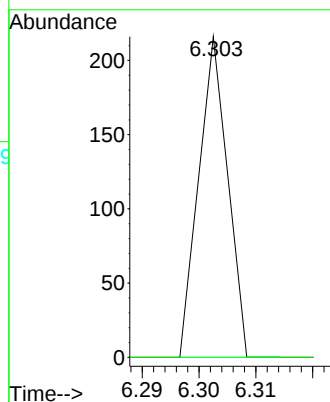
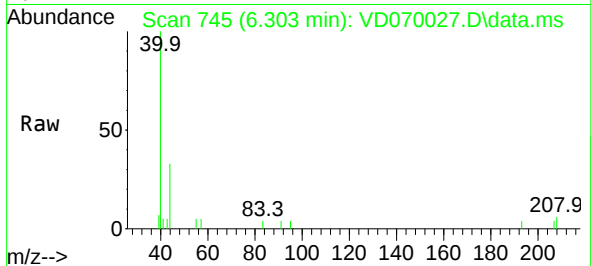




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070027.D
 Acq: 11 Aug 2021 17:01

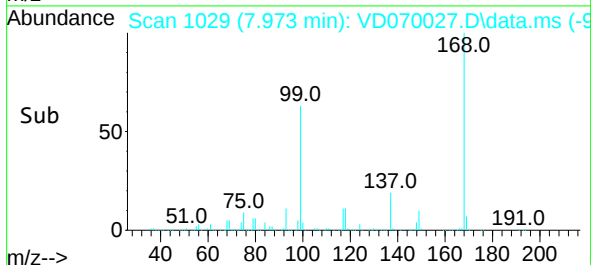
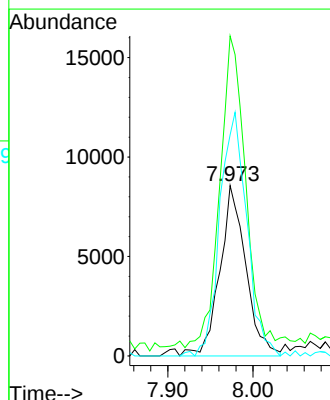
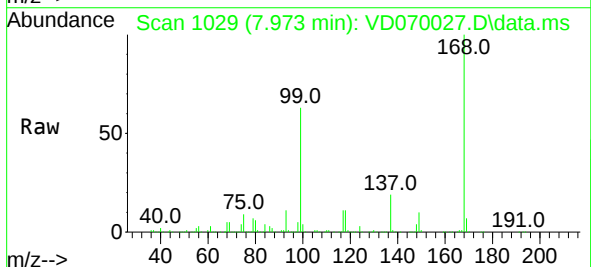
Instrument :
 MSVOA_D
 ClientSampled :

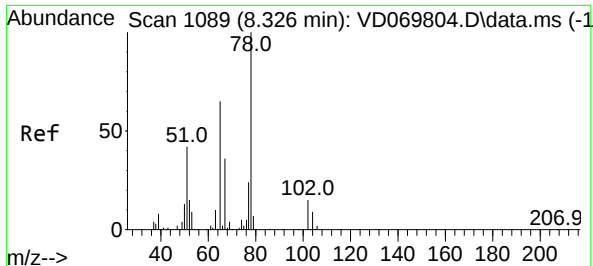
Tgt Ion: 43 Resp: 76
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.088 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070027.D
 Acq: 11 Aug 2021 17:01

Tgt Ion: 56 Resp: 18134
 Ion Ratio Lower Upper
 56 100
 69 179.1 27.9 41.9#
 84 129.8 71.4 107.2#



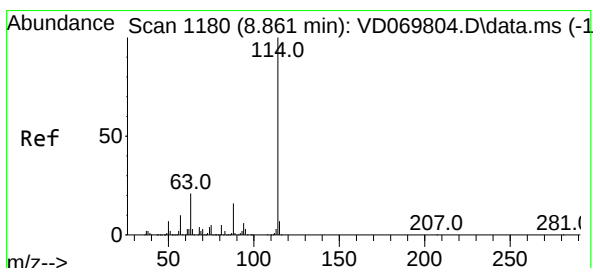
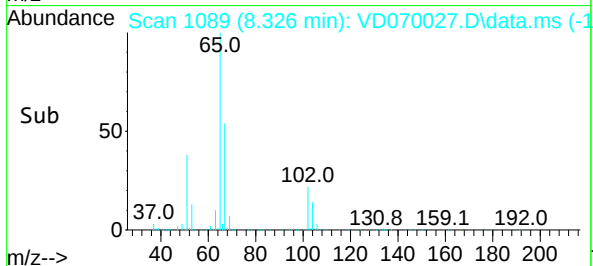
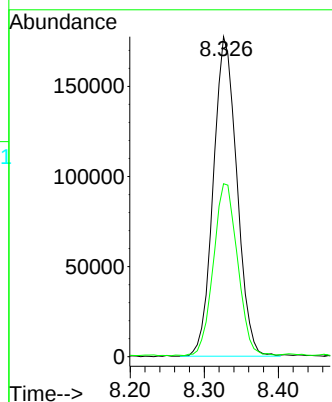
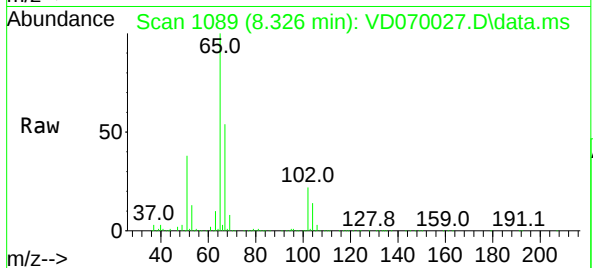


#33

1,2-Dichloroethane-d4
Concen: 45.956 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Instrument :
MSVOA_D
ClientSampleId :

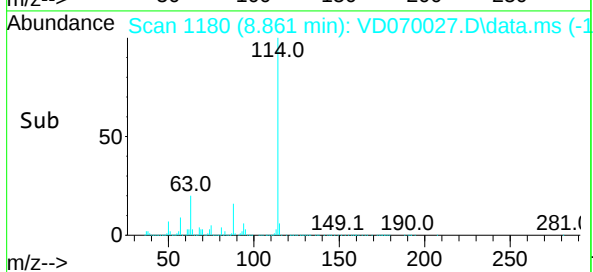
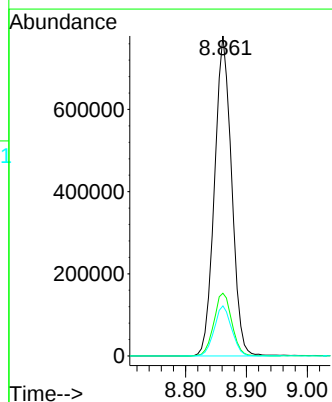
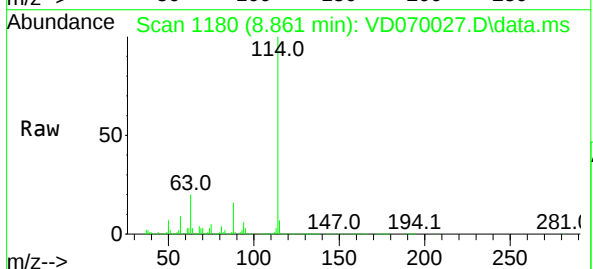
Tgt Ion: 65 Resp: 391840
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.2

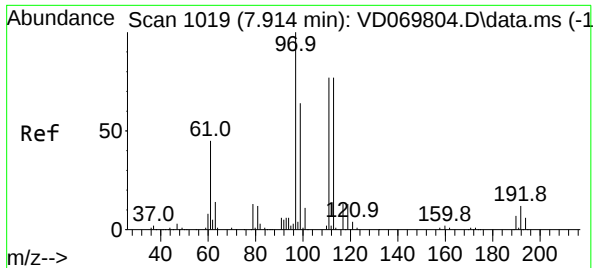


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Tgt Ion:114 Resp: 1514930
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.6
88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.028 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070027.D

Acq: 11 Aug 2021 17:01

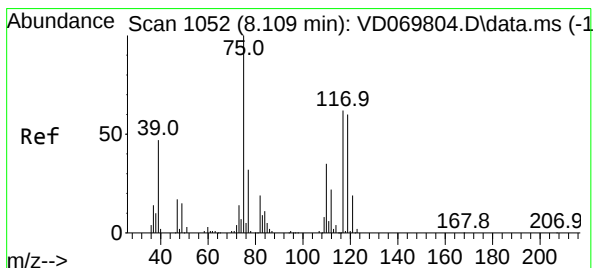
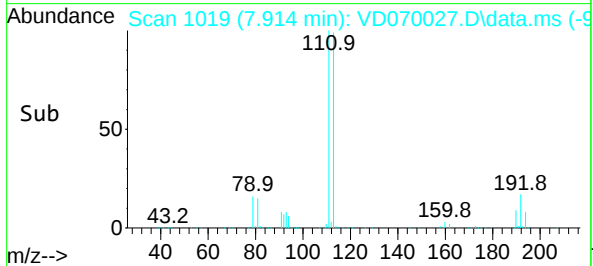
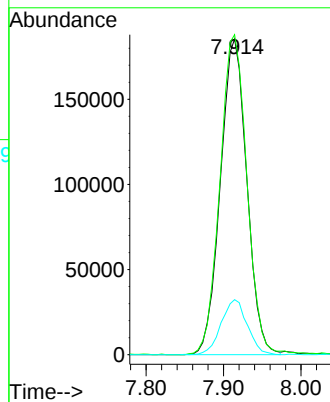
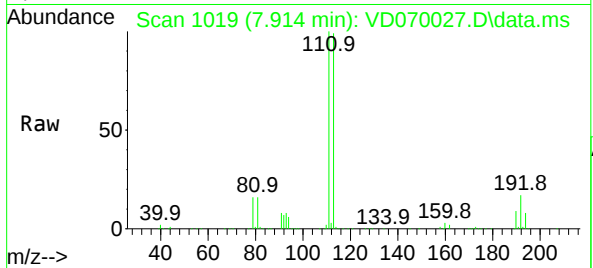
Tgt Ion:113 Resp: 439574

Ion Ratio Lower Upper

113 100

111 103.7 80.5 120.7

192 17.3 12.6 19.0



#36

1,1-Dichloropropene

Concen: 3.918 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070027.D

Acq: 11 Aug 2021 17:01

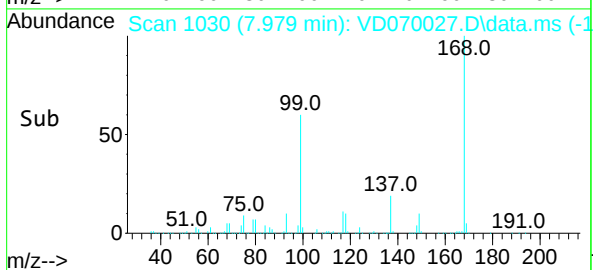
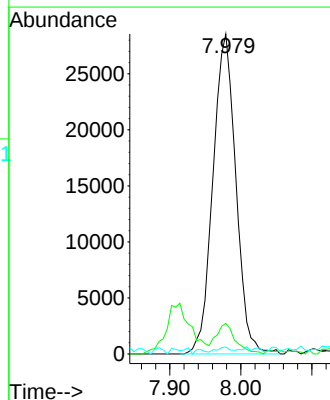
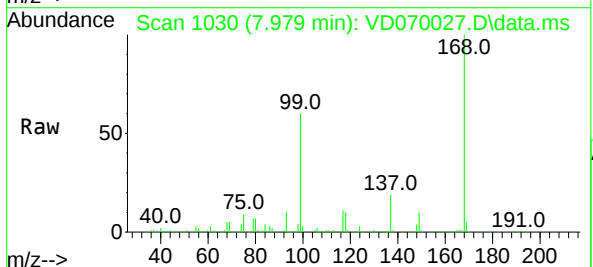
Tgt Ion: 75 Resp: 64053

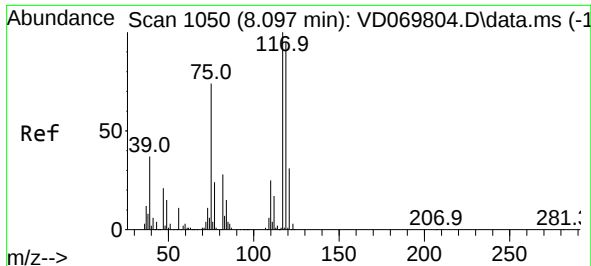
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

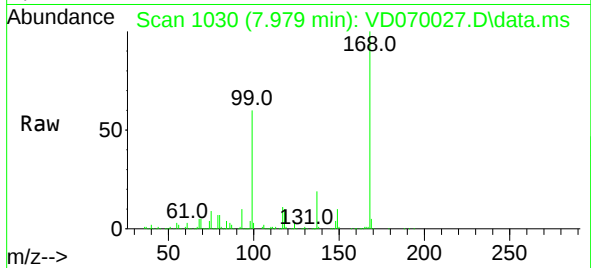
77 0.8 24.9 37.3#



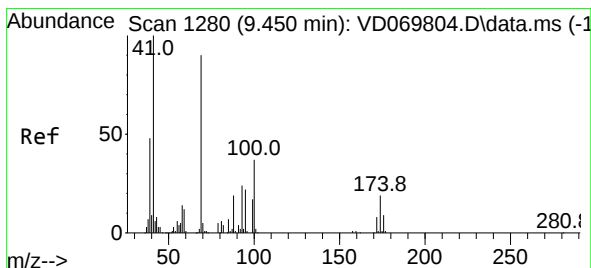
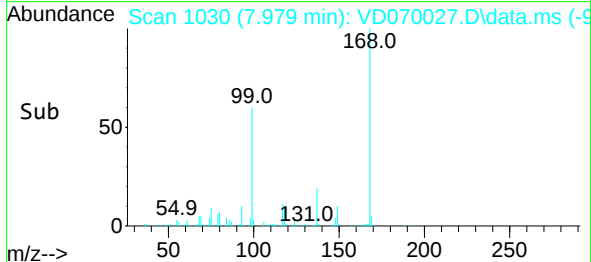
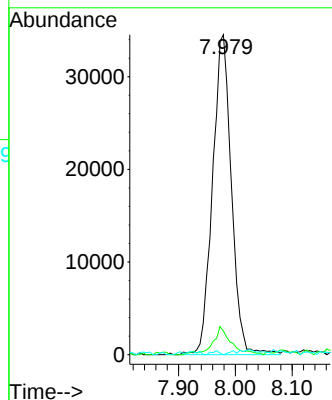


#38
Carbon Tetrachloride
Concen: 5.339 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Instrument :
MSVOA_D
ClientSampleId :

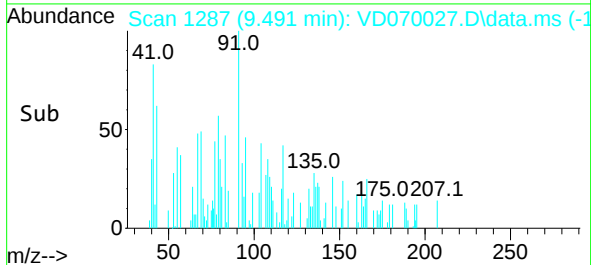
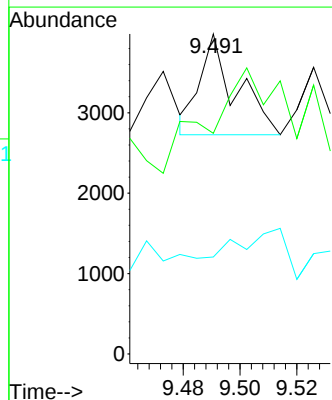
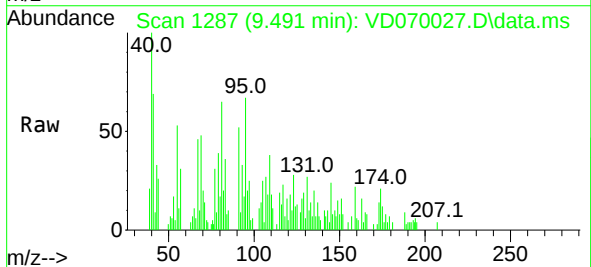


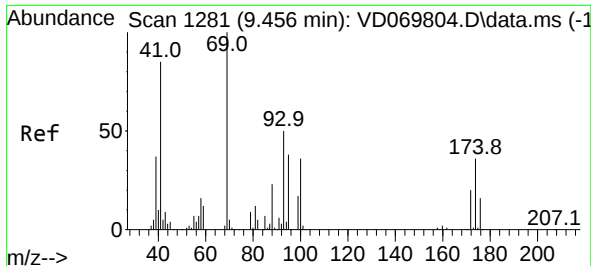
Tgt Ion:117 Resp: 79728
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.930 ug/l
RT: 9.491 min Scan# 1287
Delta R.T. 0.041 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

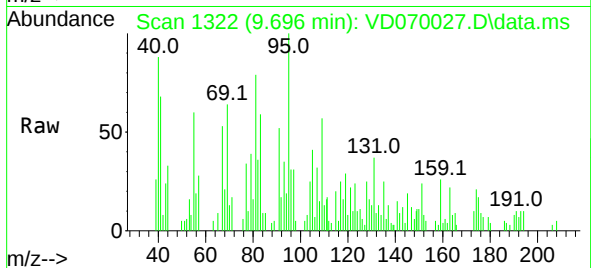
Tgt Ion: 41 Resp: 1103
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



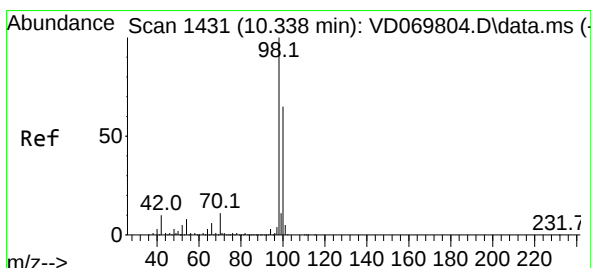
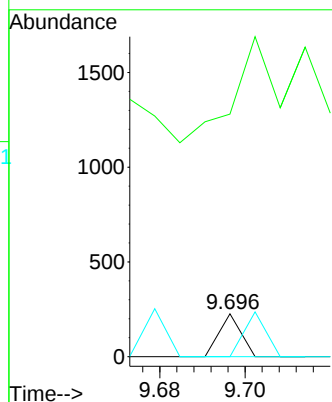
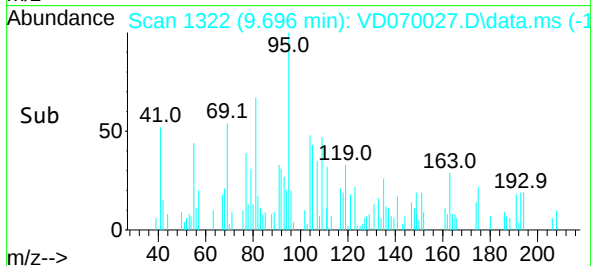


#49
1,4-Dioxane
Concen: 1.238 ug/l
RT: 9.696 min Scan# 1322
Delta R.T. 0.241 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

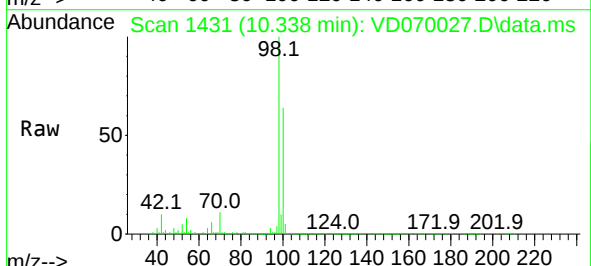
Instrument :
MSVOA_D
ClientSampled :



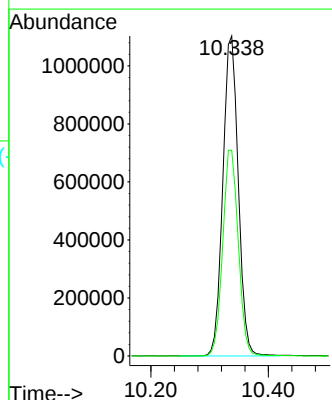
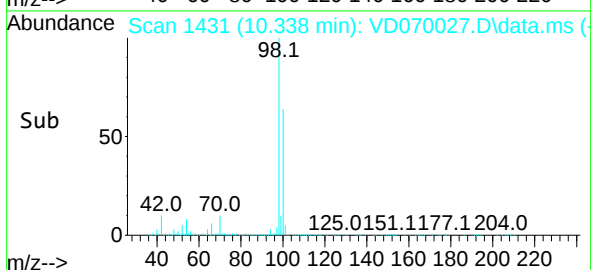
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 752.5 26.8 40.2#
58 103.8 59.8 89.6#

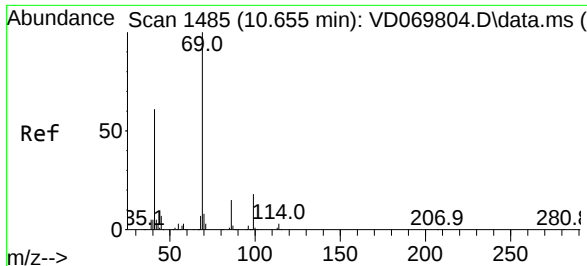


#50
Toluene-d8
Concen: 54.390 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01



Tgt Ion: 98 Resp: 2002910
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

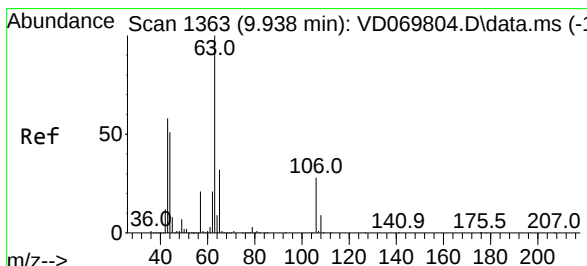
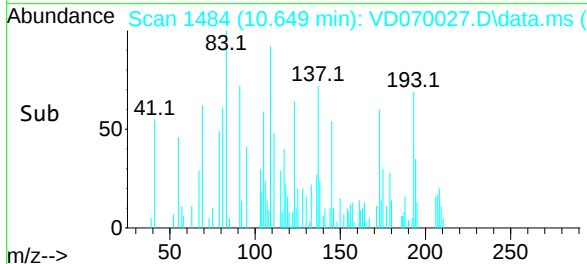
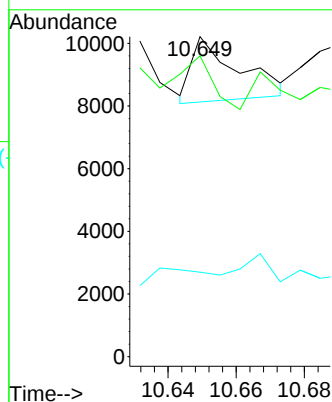
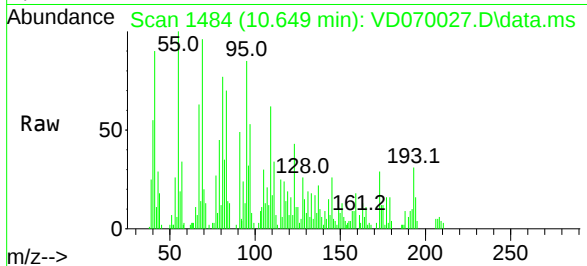




#56
Ethyl methacrylate
Concen: 4.066 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

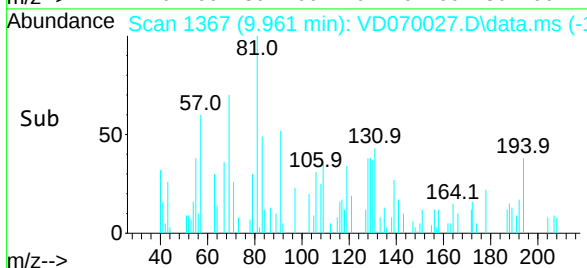
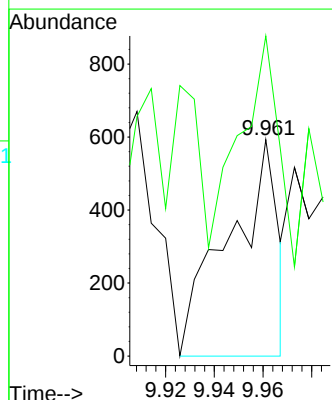
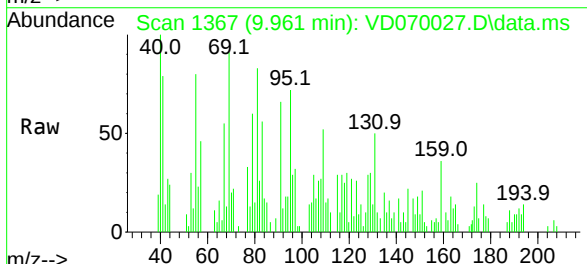
Instrument :
MSVOA_D
ClientSampled :

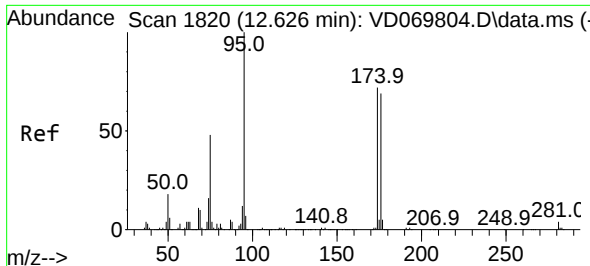
Tgt Ion: 69 Resp: 1972
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 37.2 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.033 ug/l
RT: 9.961 min Scan# 1367
Delta R.T. 0.023 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Tgt Ion: 63 Resp: 835
Ion Ratio Lower Upper
63 100
106 83.6 21.8 32.6#

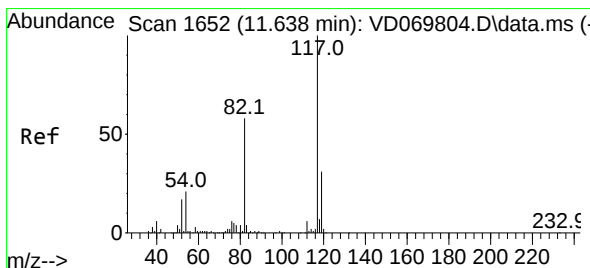
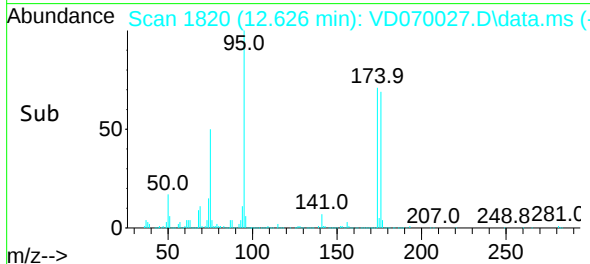
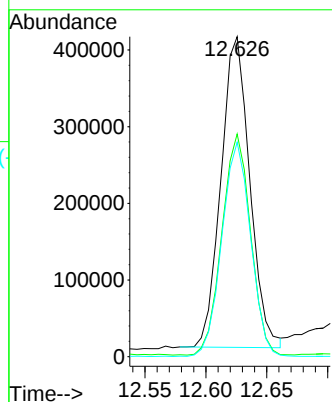
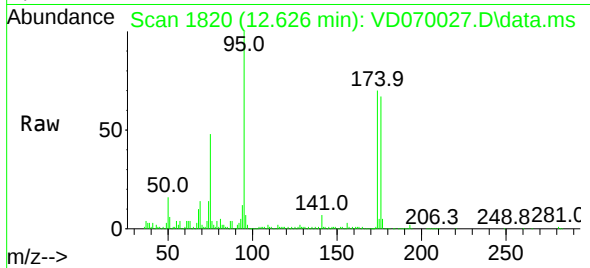




#62
4-Bromofluorobenzene
Concen: 54.181 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

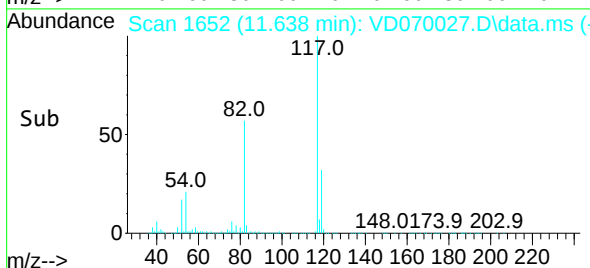
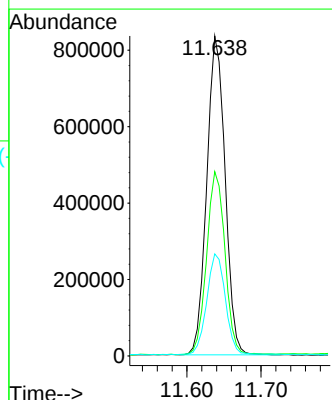
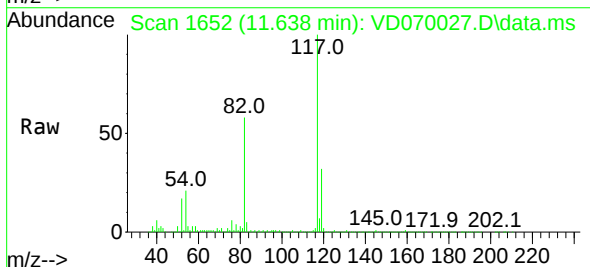
Instrument :
MSVOA_D
ClientSampled :

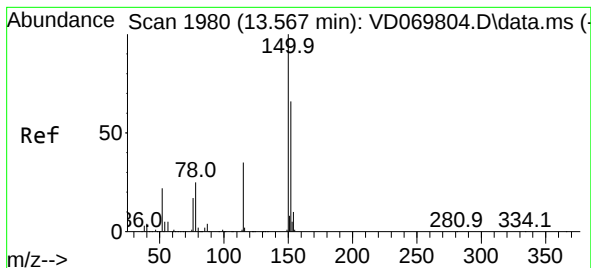
Tgt Ion: 95 Resp: 666796
Ion Ratio Lower Upper
95 100
174 70.5 0.0 142.6
176 68.8 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

Tgt Ion: 117 Resp: 1433534
Ion Ratio Lower Upper
117 100
82 57.4 46.3 69.5
119 31.5 24.7 37.1

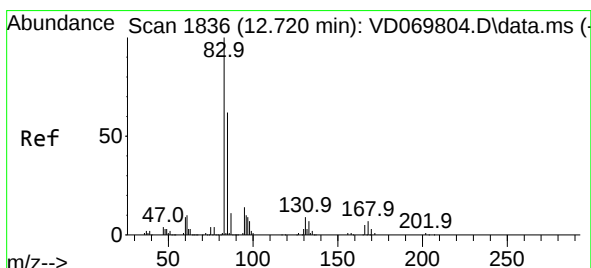
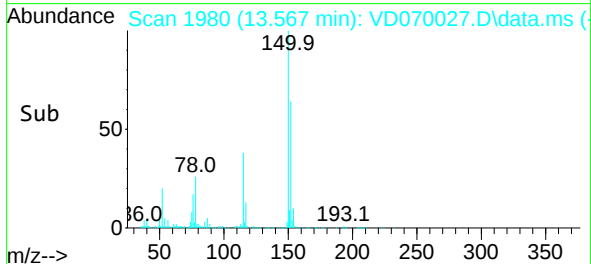
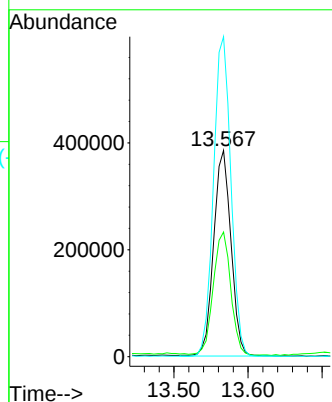
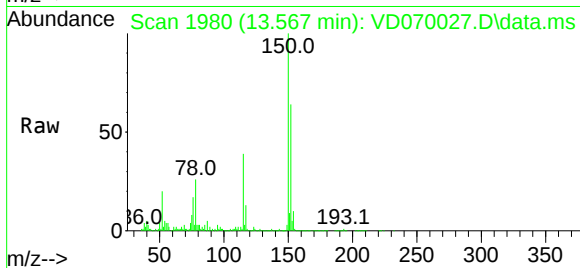




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070027.D
 Acq: 11 Aug 2021 17:01

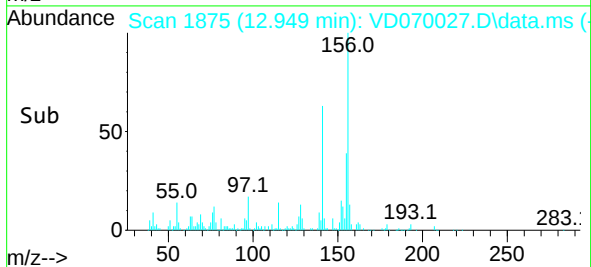
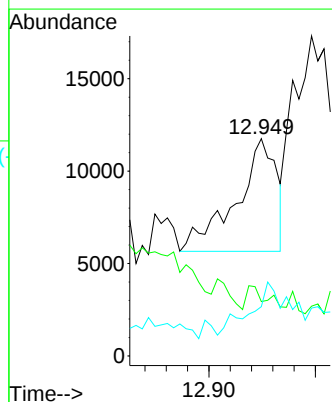
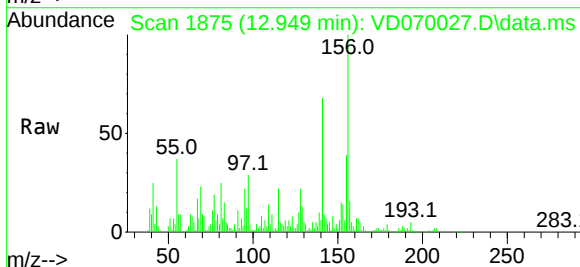
Instrument :
 MSVOA_D
 ClientSampled :

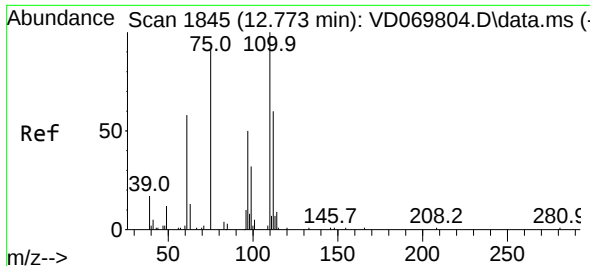
Tgt Ion:152 Resp: 625244
 Ion Ratio Lower Upper
 152 100
 115 60.3 31.1 93.3
 150 155.9 0.0 343.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.788 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.229 min
 Lab File: VD070027.D
 Acq: 11 Aug 2021 17:01

Tgt Ion: 83 Resp: 16040
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.9 14.6
 85 44.5 31.8 95.4

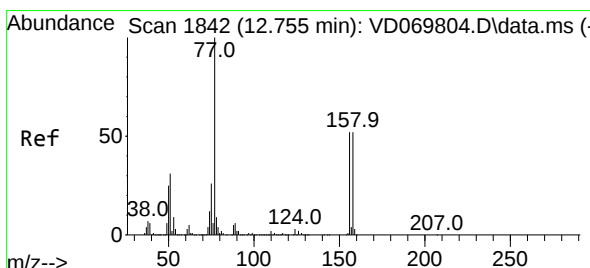
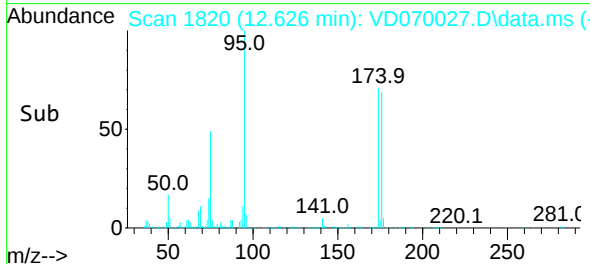
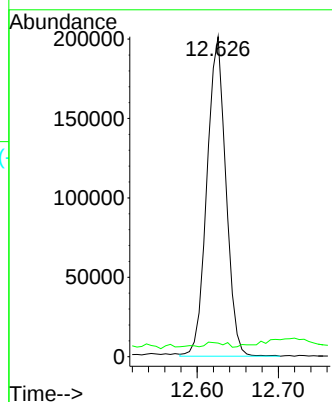
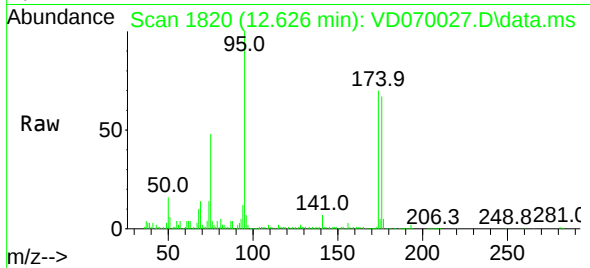




#76
1,2,3-Trichloropropane
Concen: 49.016 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

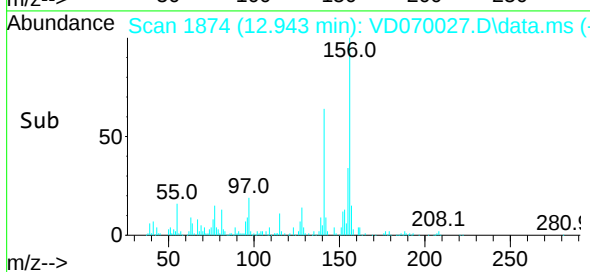
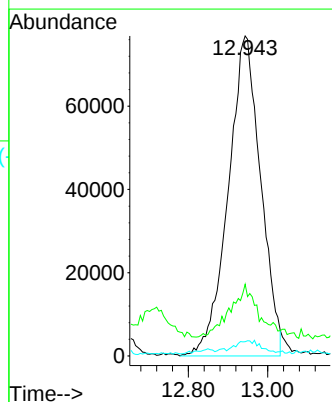
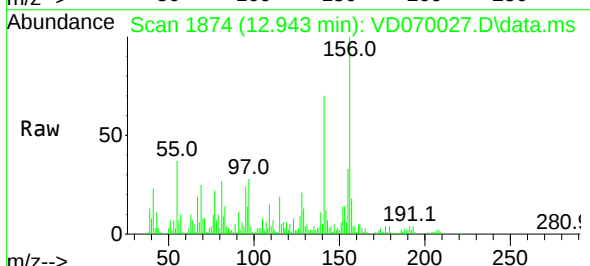
Instrument :
MSVOA_D
ClientSampleId :

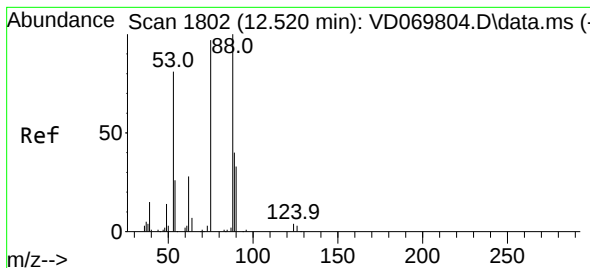
Tgt Ion: 75 Resp: 325755
Ion Ratio Lower Upper
75 100
77 1.8 181.5 544.5#



#77
Bromobenzene
Concen: 43.179 ug/l
RT: 12.943 min Scan# 1874
Delta R.T. 0.188 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

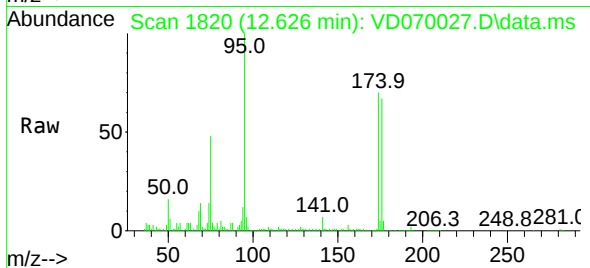
Tgt Ion:156 Resp: 436895
Ion Ratio Lower Upper
156 100
77 14.0 107.1 321.3#
158 0.0 48.1 144.3#



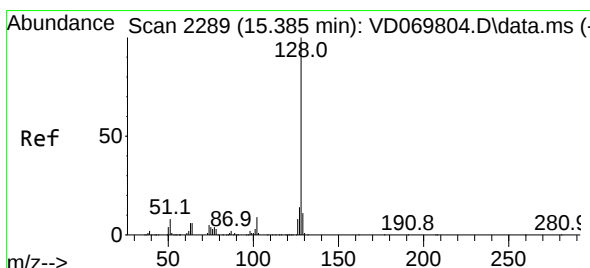
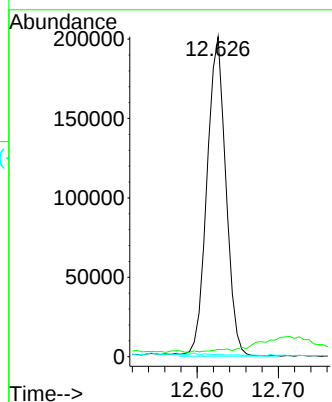
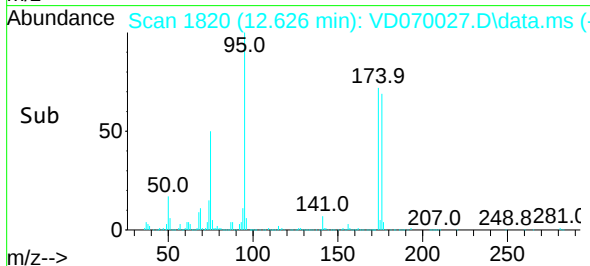


#81
trans-1,4-Dichloro-2-butene
Concen: 148.702 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01

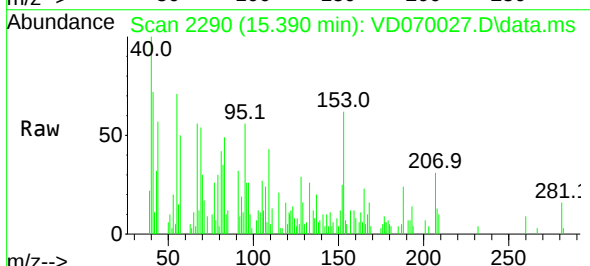
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 325755
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.048 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070027.D
Acq: 11 Aug 2021 17:01



Tgt Ion: 128 Resp: 1122
Ion Ratio Lower Upper
128 100
127 112.7 10.6 16.0#
129 61.3 8.6 12.8#

