

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070759.D
 Acq On : 19 Oct 2021 15:30
 Operator : VA/SY
 Sample : M4269-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-4197

Quant Time: Oct 20 04:41:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

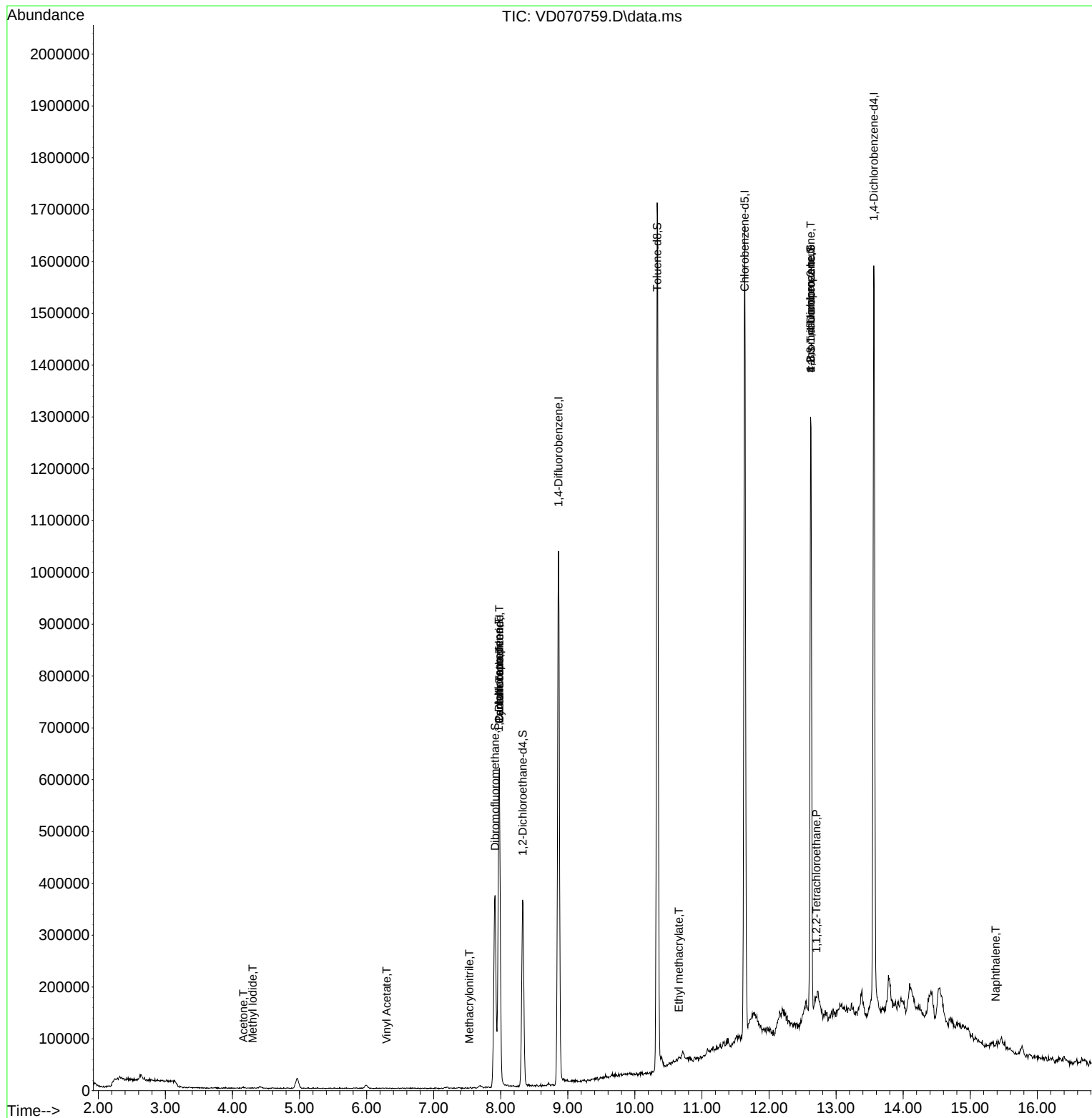
Internal Standards						
1) Pentafluorobenzene	7.979	168	431670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	824877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	863911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	370289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	282670	55.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.580%	
35) Dibromofluoromethane	7.914	113	264983	50.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.340%	
50) Toluene-d8	10.332	98	1131313	55.876	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.760%	
62) 4-Bromofluorobenzene	12.620	95	421005	60.389	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	154	3.346	ug/l #	38
16) Acetone	4.162	43	3241	2.628	ug/l #	77
20) Methylene Chloride	4.968	84	14481	Below Cal	#	81
23) Vinyl Acetate	6.297	43	57	16.335	ug/l #	69
31) Cyclohexane	7.979	56	11219	1.085	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	39386	4.286	ug/l #	51
38) Carbon Tetrachloride	7.979	117	45588	5.180	ug/l #	15
41) Methacrylonitrile	7.532	41	204	2.025	ug/l #	16
56) Ethyl methacrylate	10.656	69	1426	4.364	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.708	83	11313	2.168	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	211141	65.999	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	211141	144.559	ug/l #	18
95) Naphthalene	15.379	128	1045	4.871	ug/l #	1

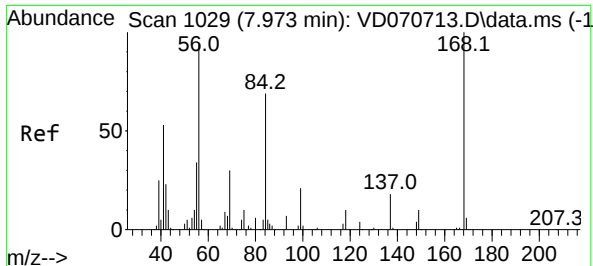
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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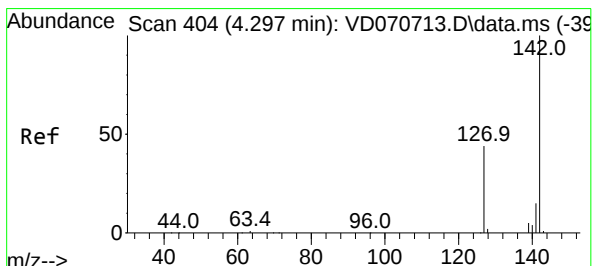
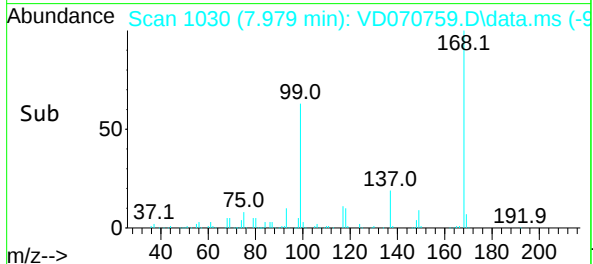
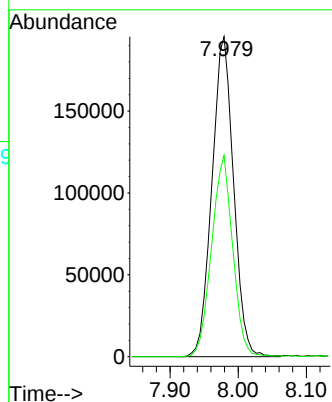
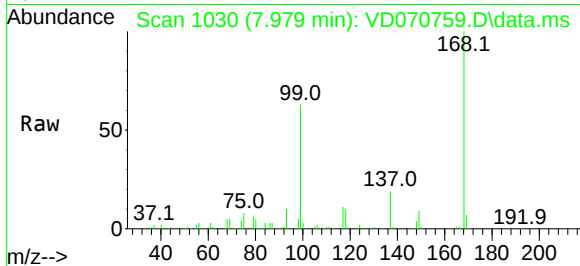




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

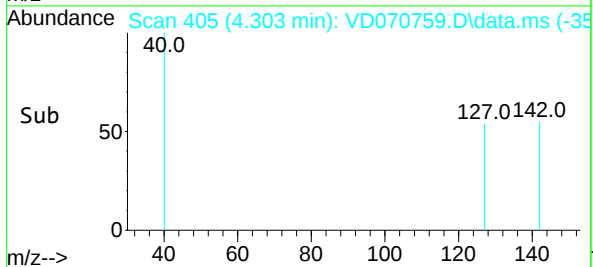
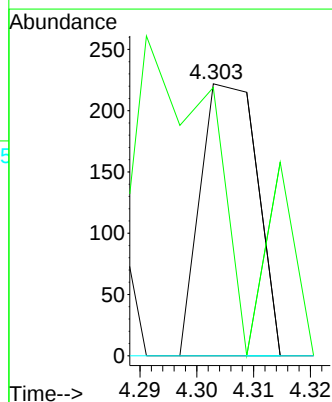
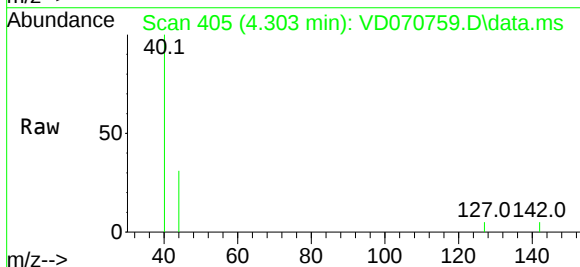
Instrument :
MSVOA_D
ClientSampleId :
RT-4197

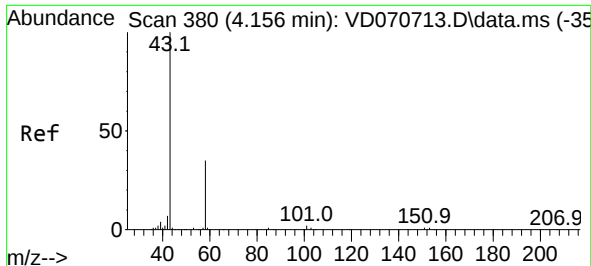
Tgt Ion:168 Resp: 431670
Ion Ratio Lower Upper
168 100
99 62.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.346 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion:142 Resp: 154
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

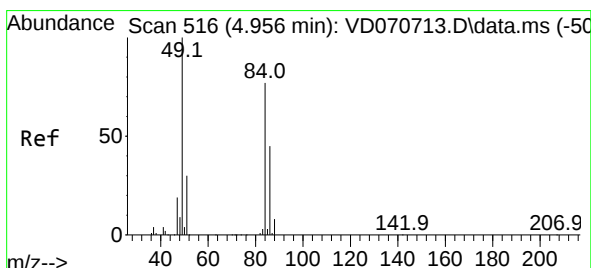
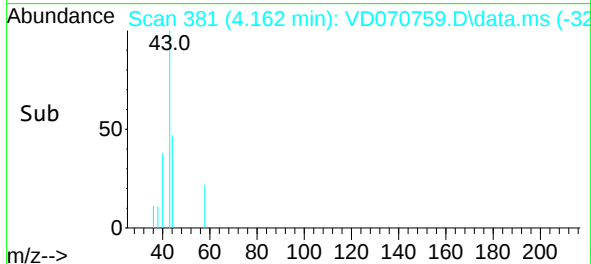
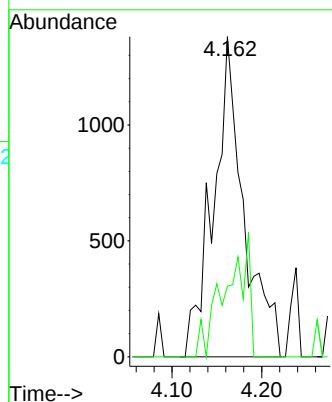
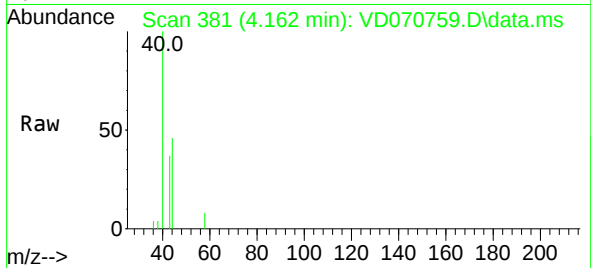




#16
Acetone
Concen: 2.628 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

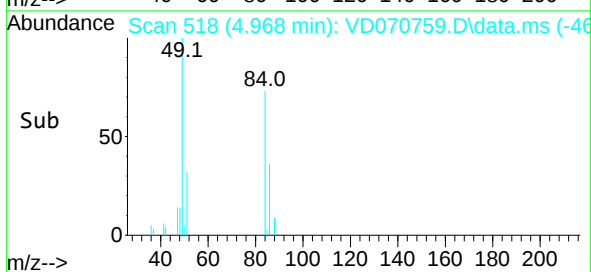
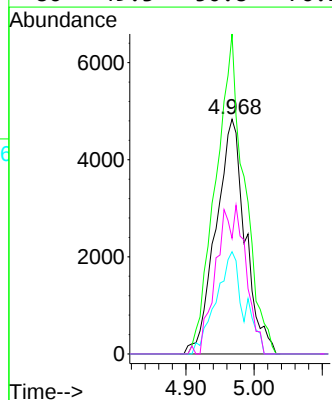
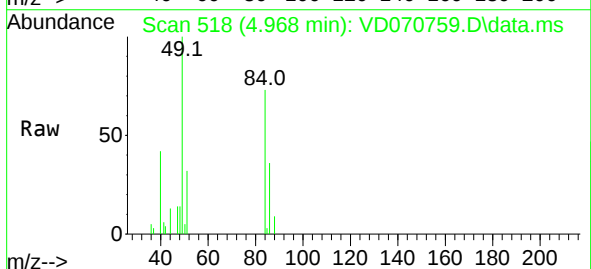
Instrument :
MSVOA_D
ClientSampleId :
RT-4197

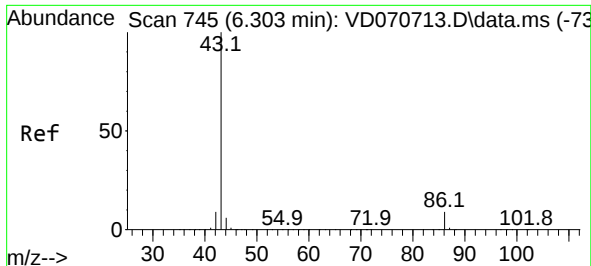
Tgt Ion: 43 Resp: 3241
Ion Ratio Lower Upper
43 100
58 22.1 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.012 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 84 Resp: 14481
Ion Ratio Lower Upper
84 100
49 136.4 91.4 137.2
51 43.6 26.7 40.1#
86 49.3 50.8 76.2#

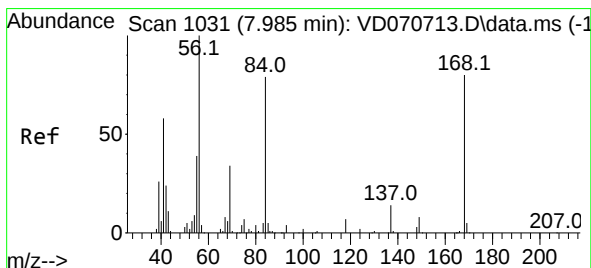
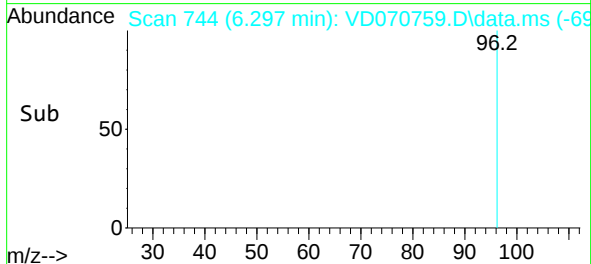
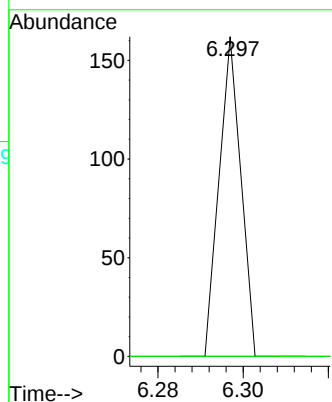
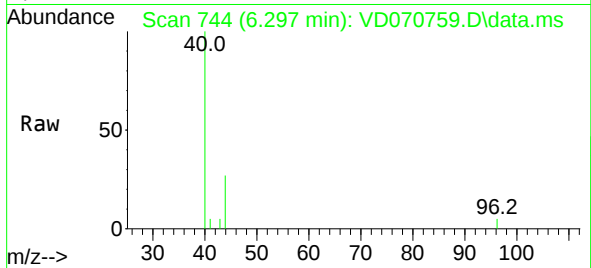




#23
 Vinyl Acetate
 Concen: 16.335 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD070759.D
 Acq: 19 Oct 2021 15:30

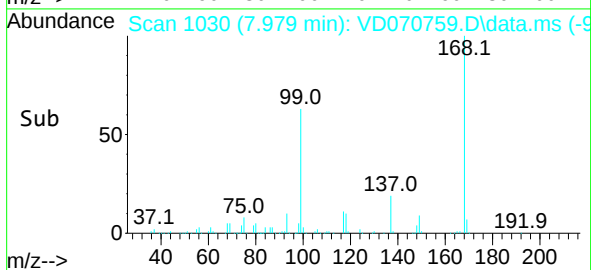
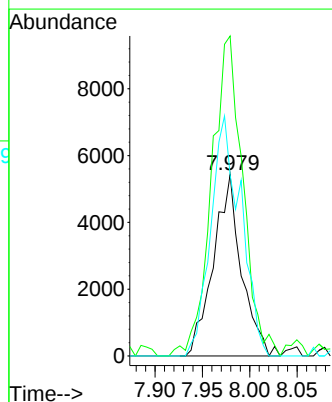
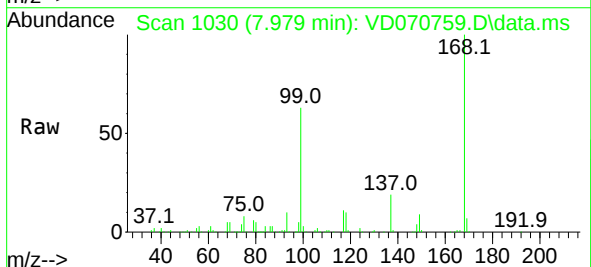
Instrument :
 MSVOA_D
 ClientSampleID :
 RT-4197

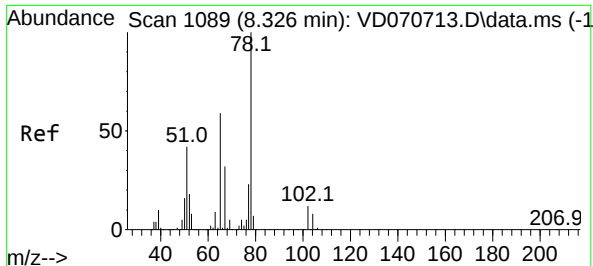
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.085 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD070759.D
 Acq: 19 Oct 2021 15:30

Tgt Ion: 56 Resp: 11219
 Ion Ratio Lower Upper
 56 100
 69 176.4 27.4 41.2#
 84 99.9 73.6 110.4

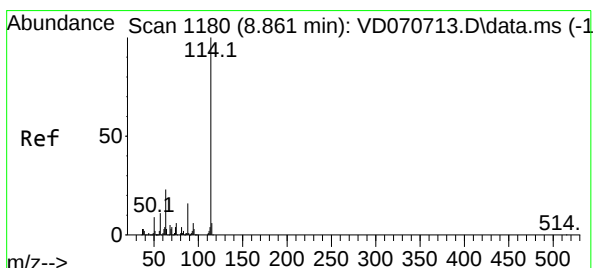
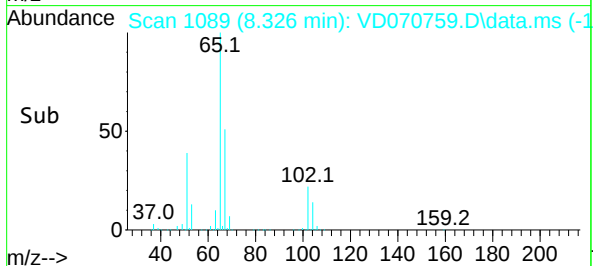
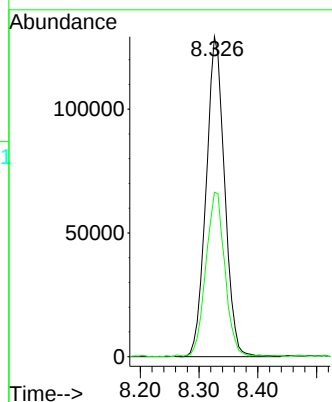
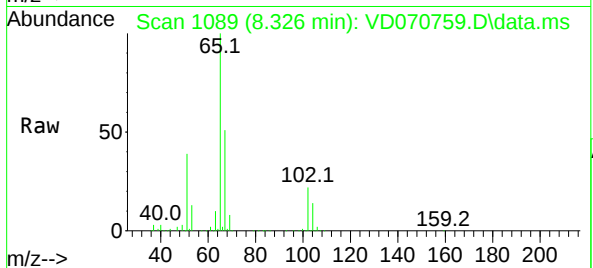




#33
1,2-Dichloroethane-d4
Concen: 55.286 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

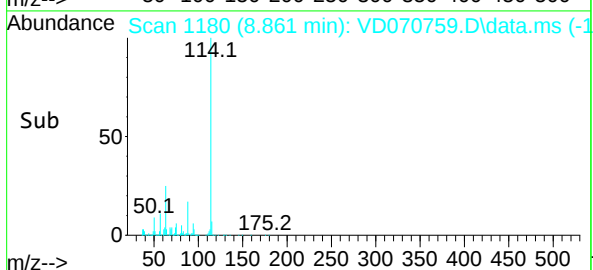
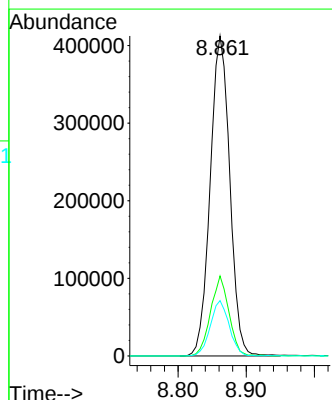
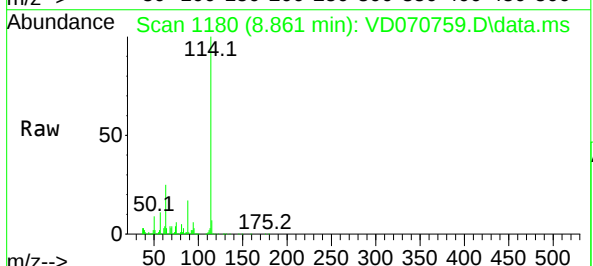
Instrument :
MSVOA_D
ClientSampleId :
RT-4197

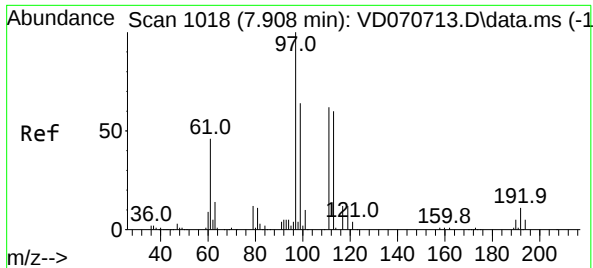
Tgt Ion: 65 Resp: 282670
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 114 Resp: 824877
Ion Ratio Lower Upper
114 100
63 25.0 0.0 41.8
88 17.3 0.0 32.6



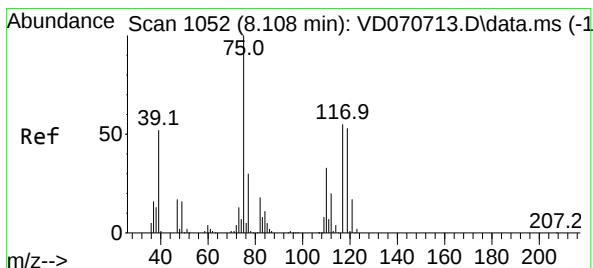
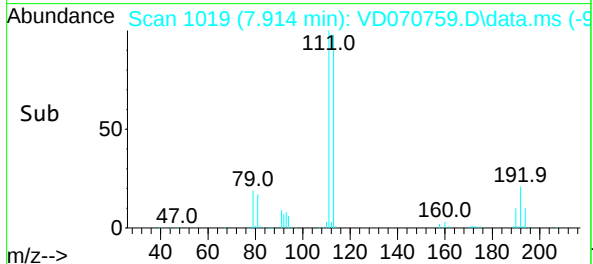
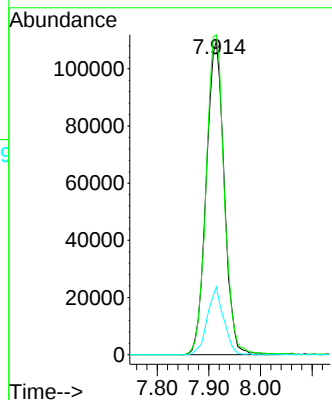
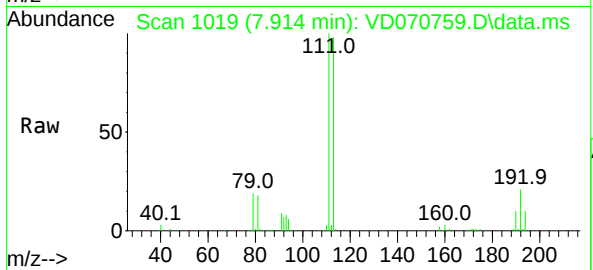


#35

Dibromofluoromethane
Concen: 50.170 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Instrument :
MSVOA_D
ClientSampleId :
RT-4197

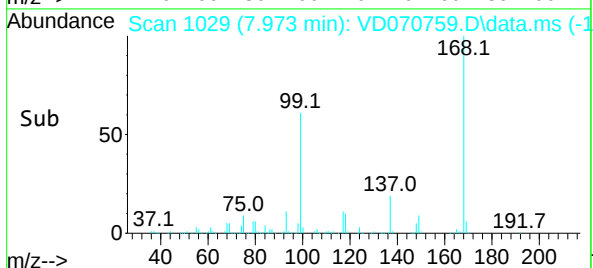
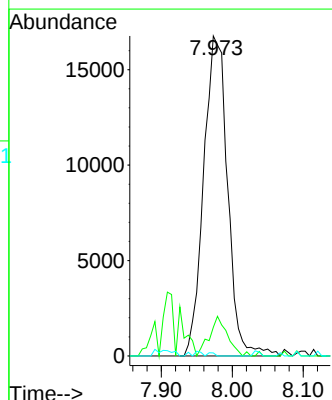
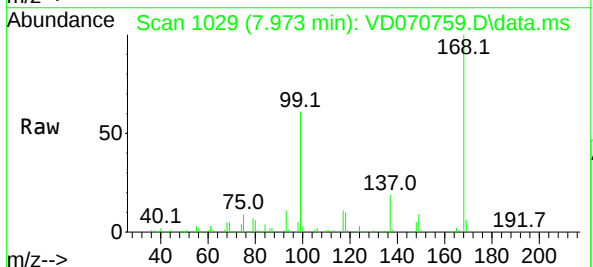
Tgt Ion:113 Resp: 264983
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 19.6 12.7 19.1#

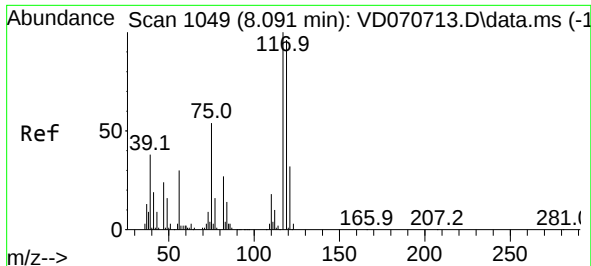


#36

1,1-Dichloropropene
Concen: 4.286 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 75 Resp: 39386
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.6#
77 0.3 24.2 36.4#

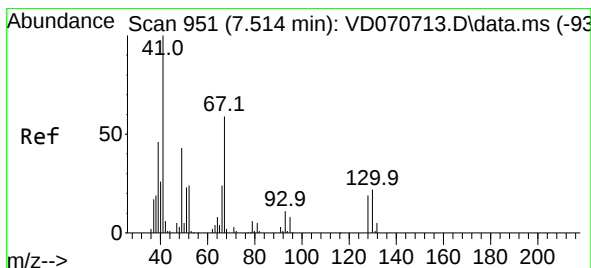
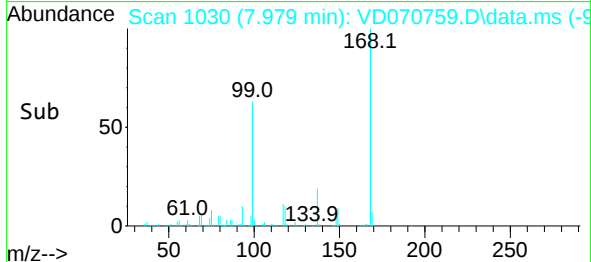
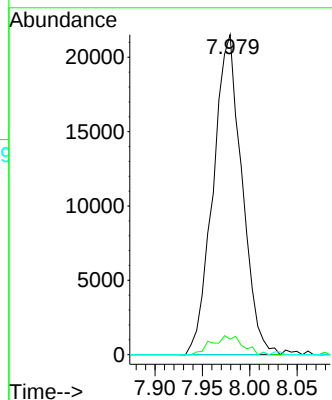
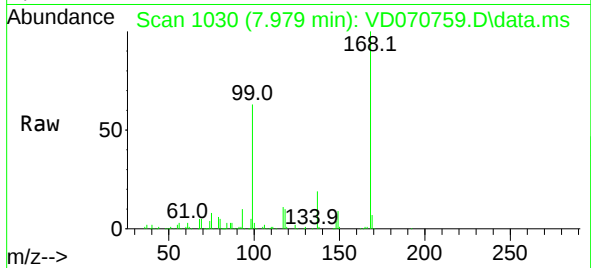




#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

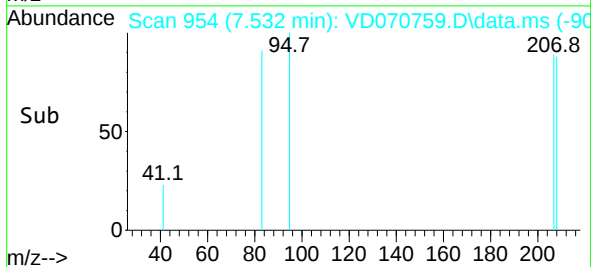
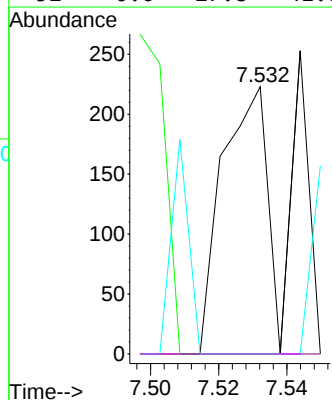
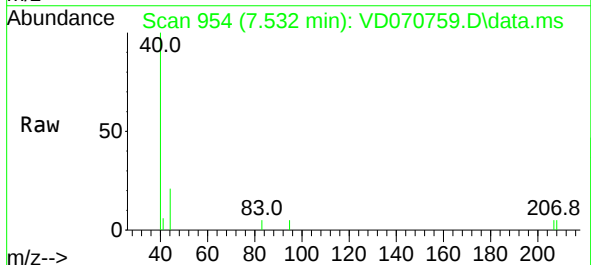
Instrument :
MSVOA_D
ClientSampled :
RT-4197

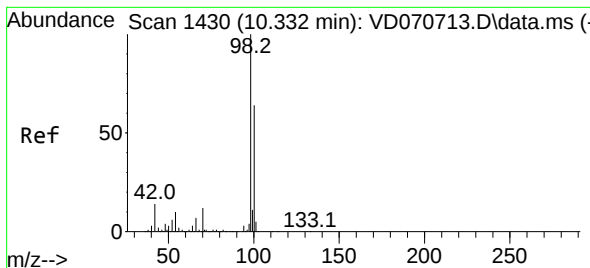
Tgt Ion:117 Resp: 45588
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.025 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.018 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 41 Resp: 204
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

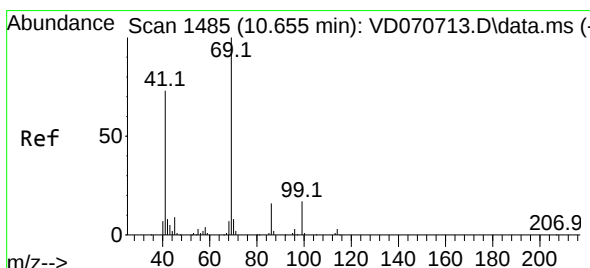
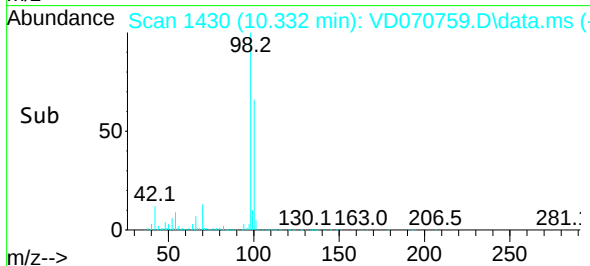
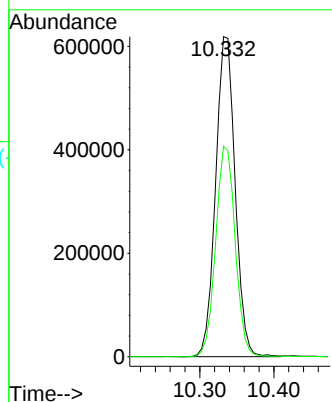
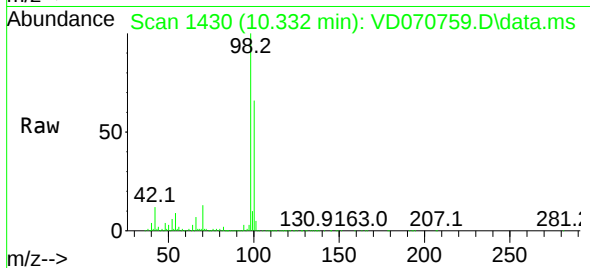




#50
Toluene-d8
Concen: 55.876 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

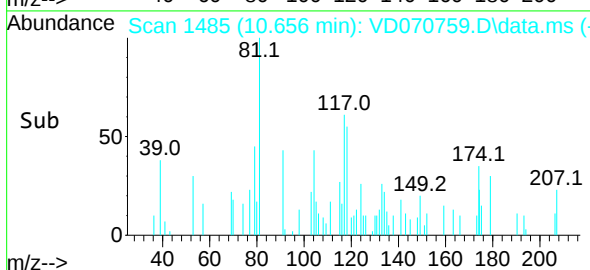
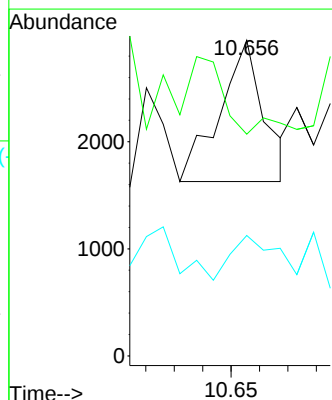
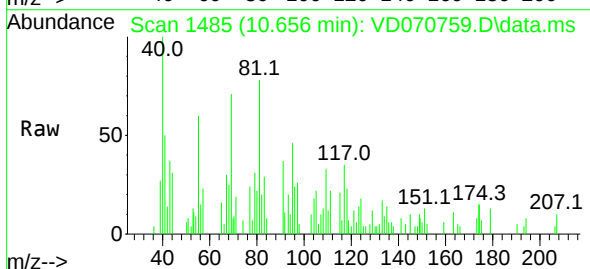
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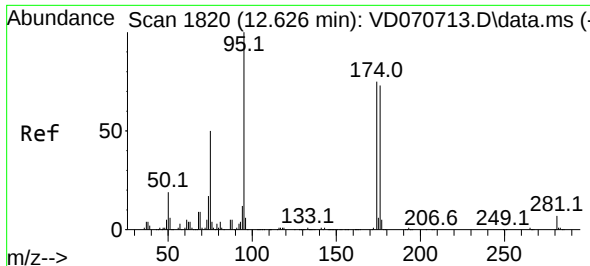
Tgt Ion: 98 Resp: 1131313
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.364 ug/l
RT: 10.656 min Scan# 1485
Delta R.T. 0.001 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 69 Resp: 1426
Ion Ratio Lower Upper
69 100
41 54.2 44.7 67.1
39 43.5 19.5 29.3#

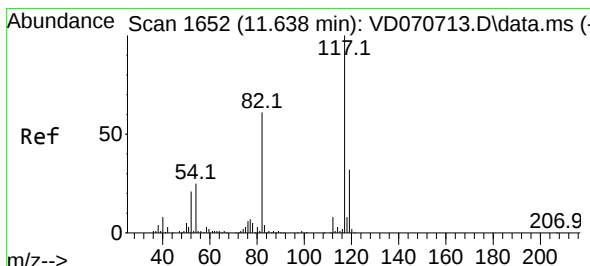
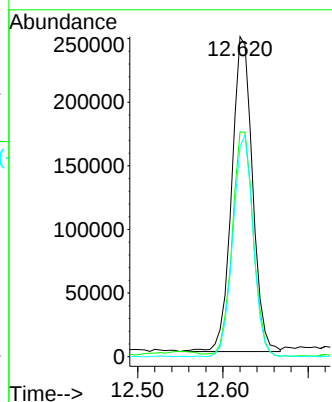
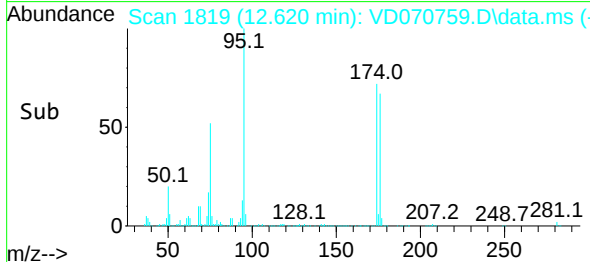
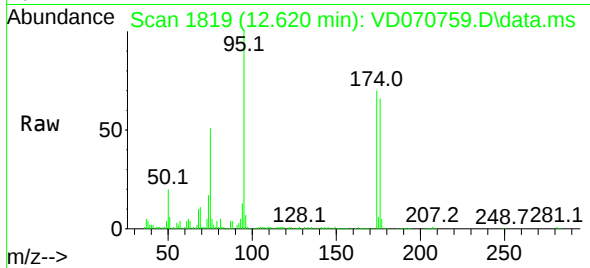




#62
4-Bromofluorobenzene
Concen: 60.389 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

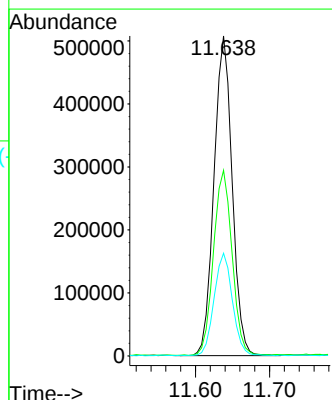
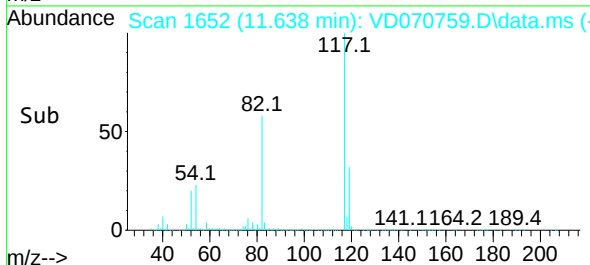
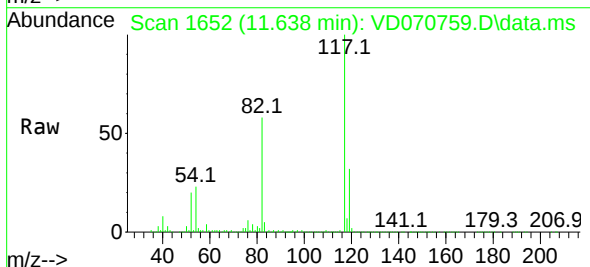
Instrument :
MSVOA_D
ClientSampleId :
RT-4197

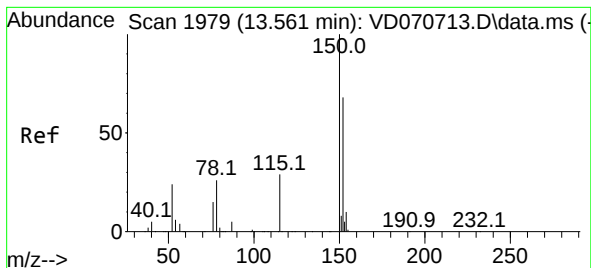
Tgt Ion: 95 Resp: 421005
Ion Ratio Lower Upper
95 100
174 72.0 0.0 138.0
176 68.8 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 117 Resp: 863911
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.2
119 31.9 24.7 37.1

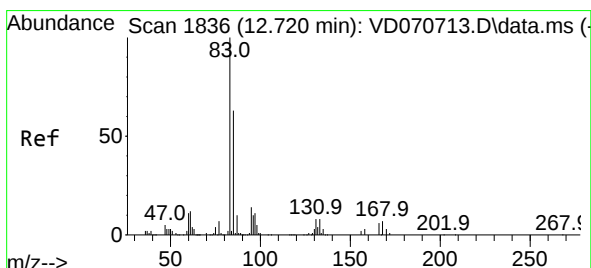
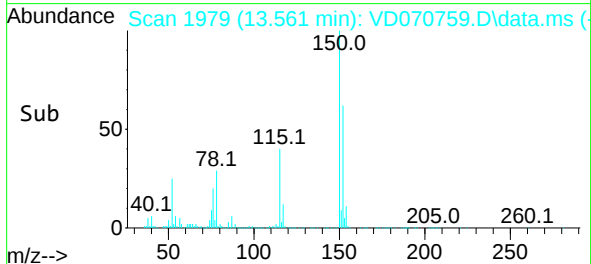
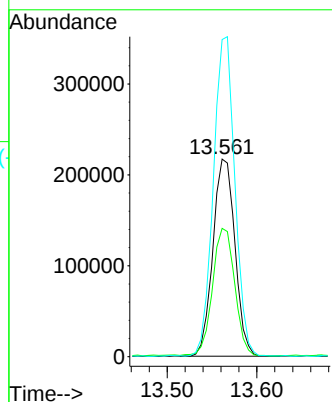
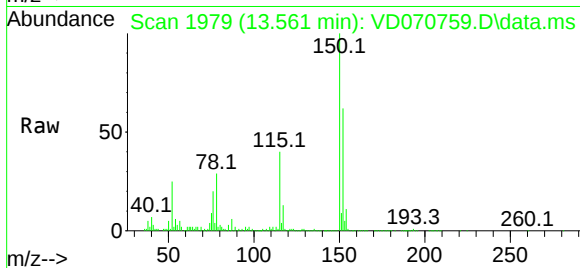




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070759.D
 Acq: 19 Oct 2021 15:30

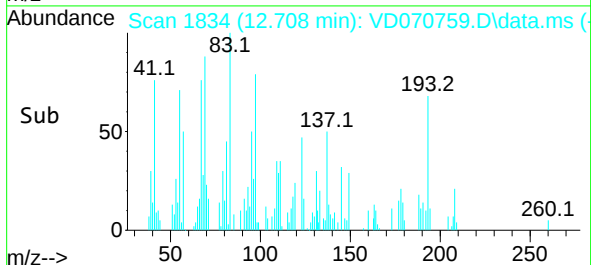
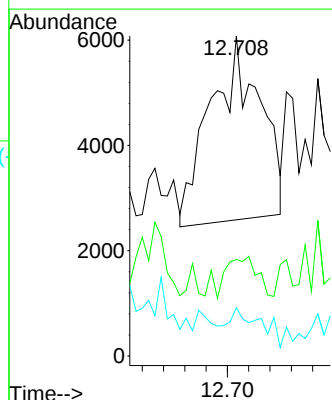
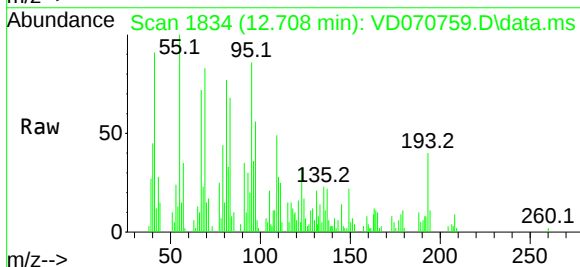
Instrument :
 MSVOA_D
 ClientSampleID :
 RT-4197

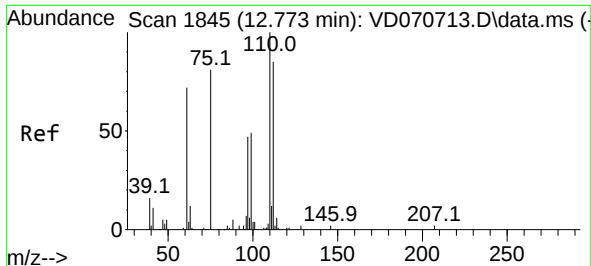
Tgt Ion:152 Resp: 370289
 Ion Ratio Lower Upper
 152 100
 115 65.4 31.9 95.7
 150 158.0 0.0 350.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.168 ug/l
 RT: 12.708 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: VD070759.D
 Acq: 19 Oct 2021 15:30

Tgt Ion: 83 Resp: 11313
 Ion Ratio Lower Upper
 83 100
 131 14.3 4.9 14.7
 85 14.2 31.9 95.7#

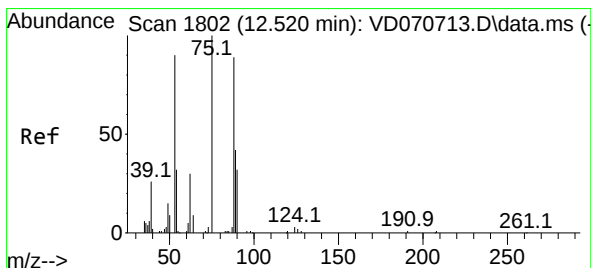
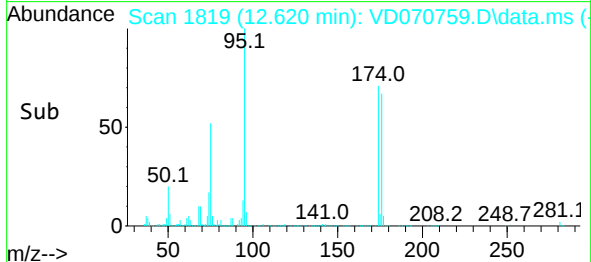
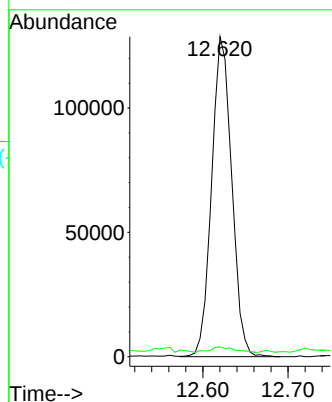
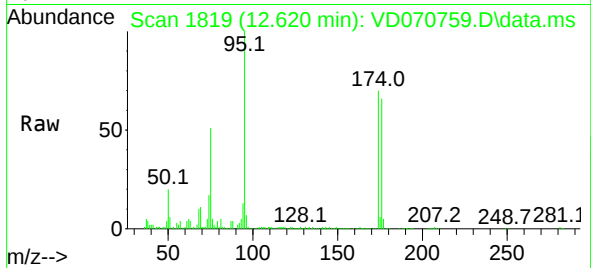




#76
1,2,3-Trichloropropane
Concen: 65.999 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

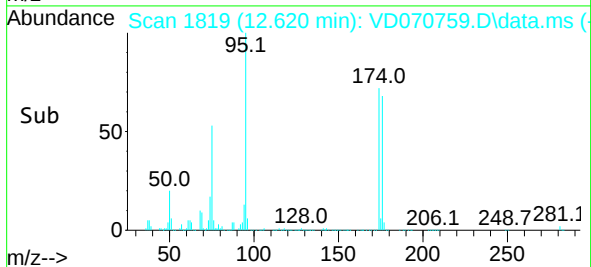
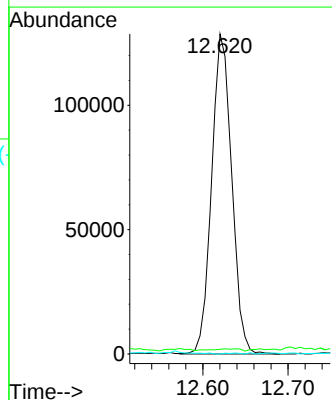
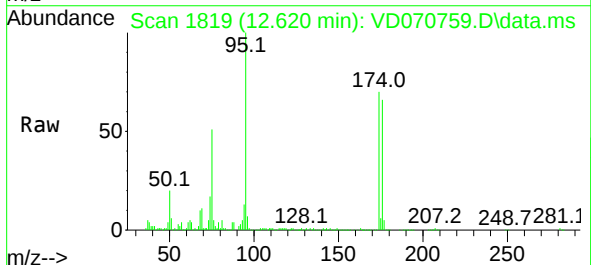
Instrument :
MSVOA_D
ClientSampleId :
RT-4197

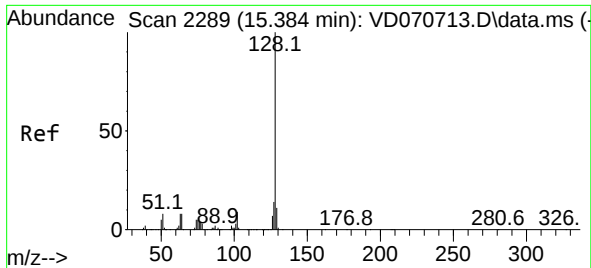
Tgt Ion: 75 Resp: 211141
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.559 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Tgt Ion: 75 Resp: 211141
Ion Ratio Lower Upper
75 100
53 0.7 64.5 96.7#
89 0.2 35.3 52.9#





#95
Naphthalene
Concen: 4.871 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070759.D
Acq: 19 Oct 2021 15:30

Instrument :
MSVOA_D
ClientSampleId :
RT-4197

Tgt Ion:128 Resp: 1045
Ion Ratio Lower Upper
128 100
127 30.8 10.9 16.3#
129 92.1 8.6 12.8#

