

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070811.D
 Acq On : 21 Oct 2021 20:10
 Operator : VA/SY
 Sample : M4290-01
 Misc : 5.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

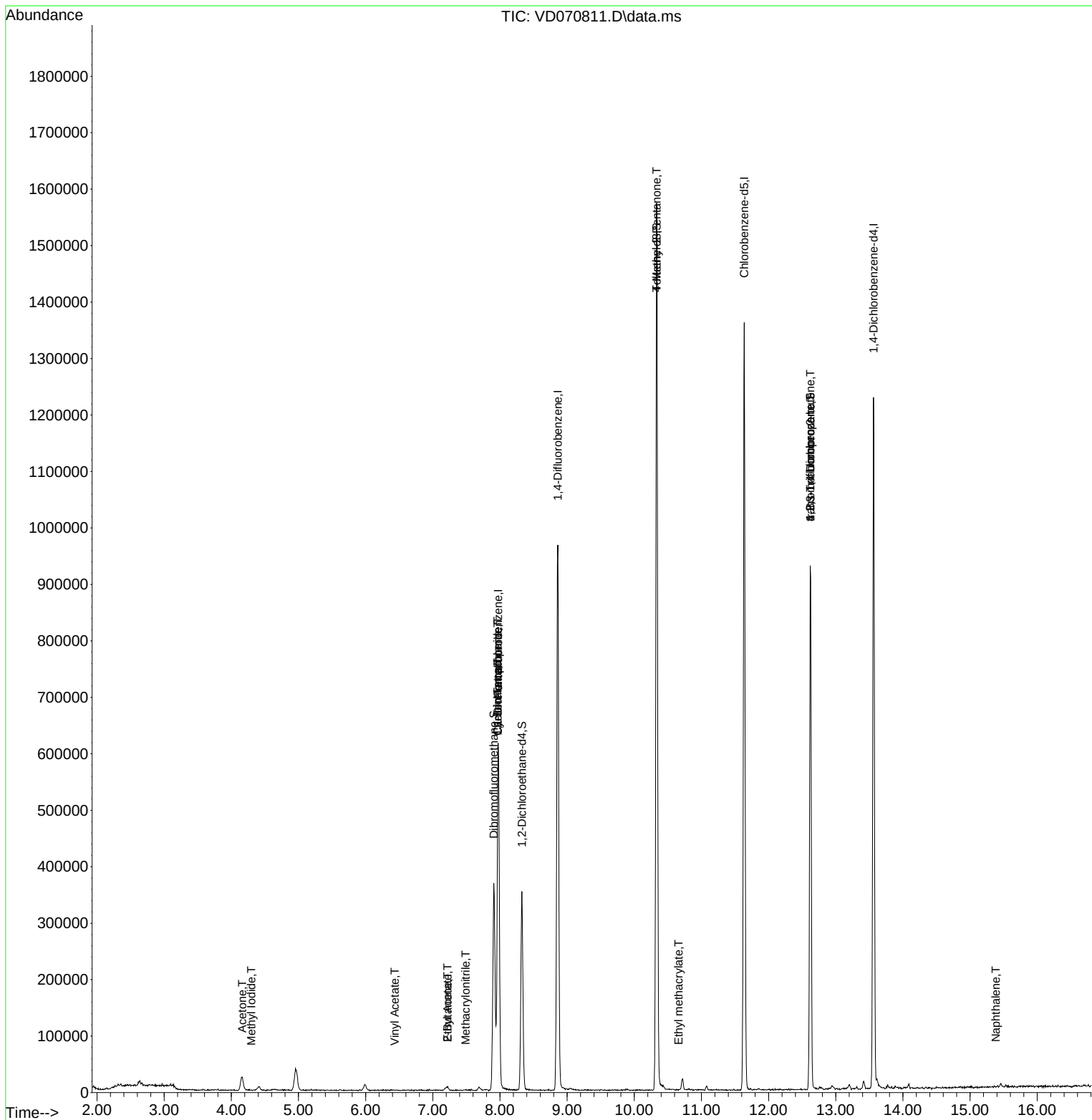
Quant Time: Oct 22 06:18:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

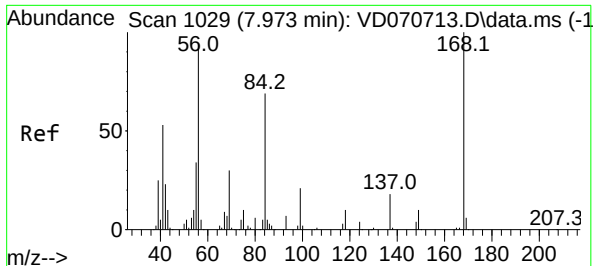
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	428764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	792829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	750160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	321343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	269035	52.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.960%	
35) Dibromofluoromethane	7.909	113	260261	51.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.540%	
50) Toluene-d8	10.332	98	1029797	52.918	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	12.620	95	315312	47.057	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	184	3.352	ug/l #	87
16) Acetone	4.162	43	44220	36.102	ug/l #	88
20) Methylene Chloride	4.968	84	29065	Below Cal		97
23) Vinyl Acetate	6.432	43	61	16.335	ug/l #	69
25) 2-Butanone	7.220	43	8453	5.586	ug/l #	68
31) Cyclohexane	7.967	56	11693	1.138	ug/l #	19
36) 1,1-Dichloropropene	7.967	75	42039	4.760	ug/l #	49
37) Ethyl Acetate	7.220	43	8453	2.310	ug/l #	70
38) Carbon Tetrachloride	7.967	117	46626	5.512	ug/l #	15
41) Methacrylonitrile	7.491	41	276	2.058	ug/l #	35
51) 4-Methyl-2-Pentanone	10.332	43	5384	1.463	ug/l #	1
56) Ethyl methacrylate	10.661	69	83	4.168	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	159820	57.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	159820	126.088	ug/l #	17
95) Naphthalene	15.385	128	434	4.830	ug/l #	69

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

Quant Time: Oct 22 06:18:11 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

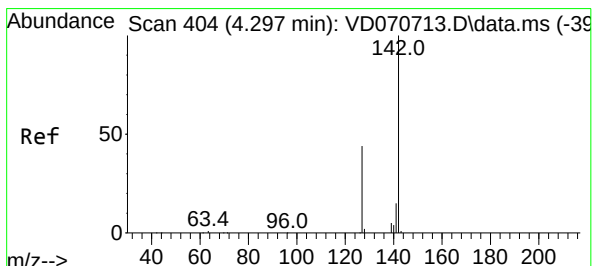
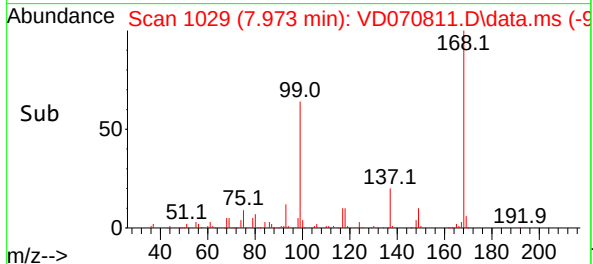
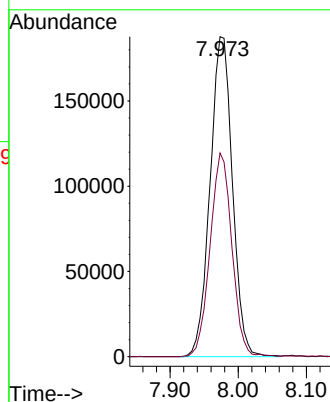
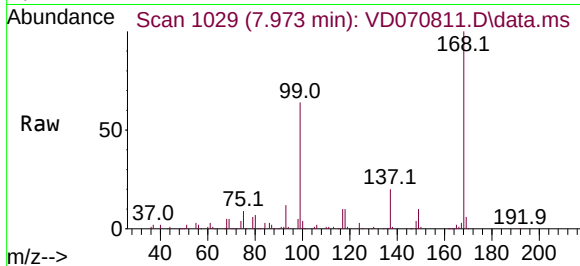




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

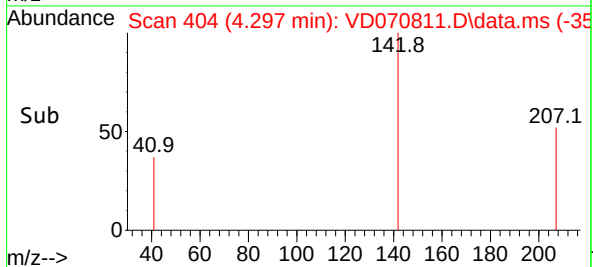
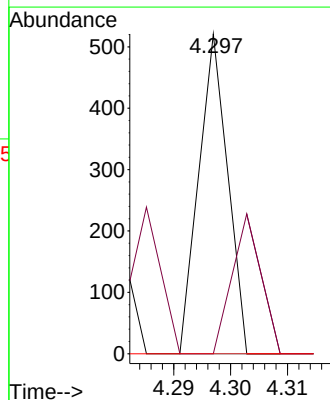
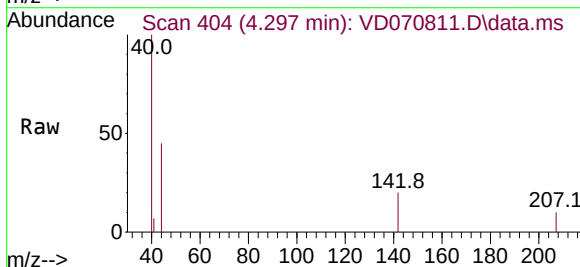
Instrument :
MSVOA_D
ClientSampleId :

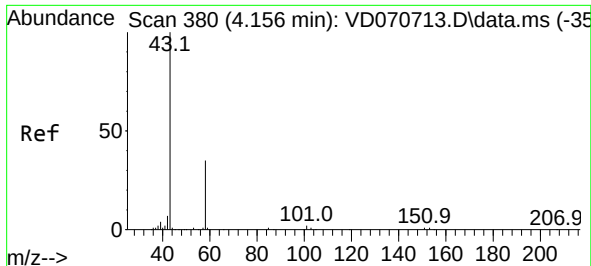
Tgt Ion:168 Resp: 428764
Ion Ratio Lower Upper
168 100
99 63.7 51.4 77.0



#10
Methyl Iodide
Concen: 3.352 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 43.5 37.5 56.3
141 0.0 12.1 18.1#

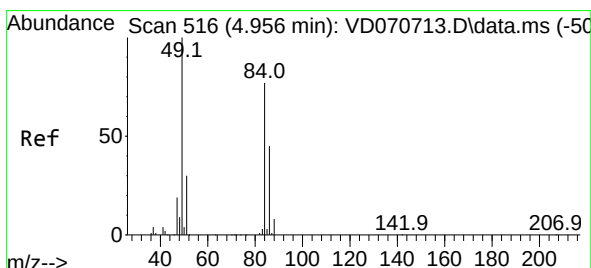
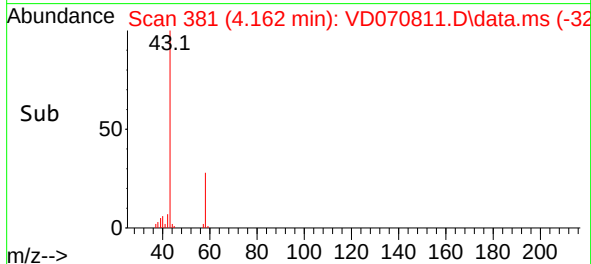
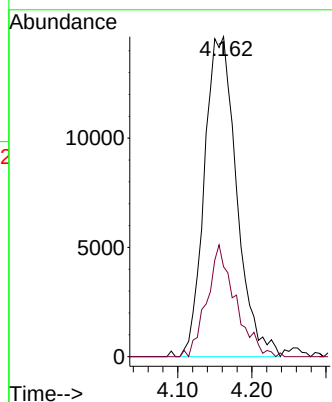
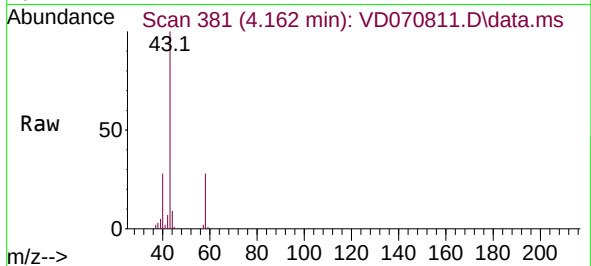




#16
Acetone
Concen: 36.102 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

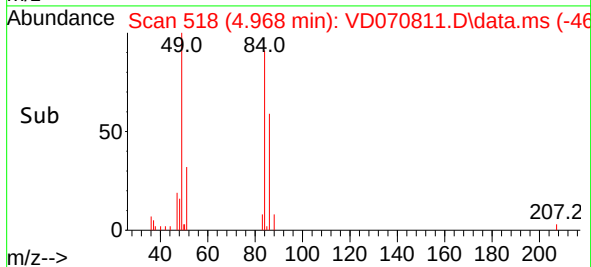
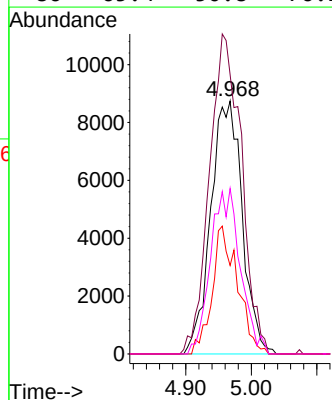
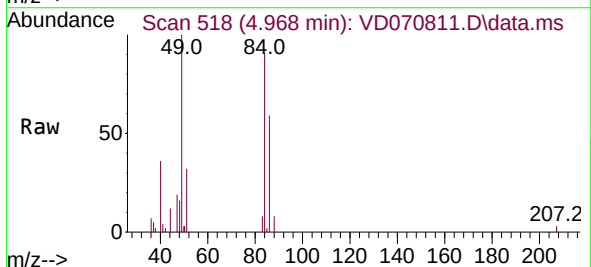
Instrument :
MSVOA_D
ClientSampleId :

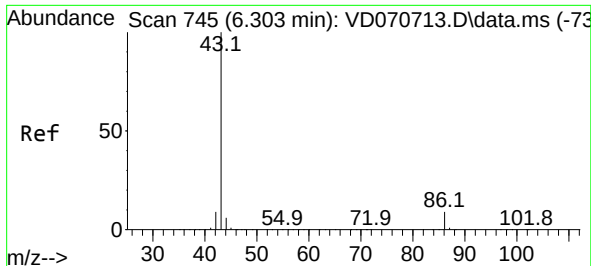
Tgt Ion: 43 Resp: 44220
Ion Ratio Lower Upper
43 100
58 28.1 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion: 84 Resp: 29065
Ion Ratio Lower Upper
84 100
49 110.4 91.4 137.2
51 35.0 26.7 40.1
86 65.4 50.8 76.2

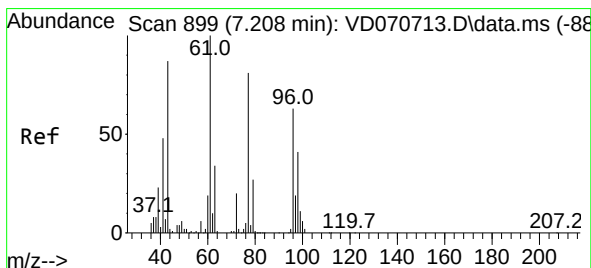
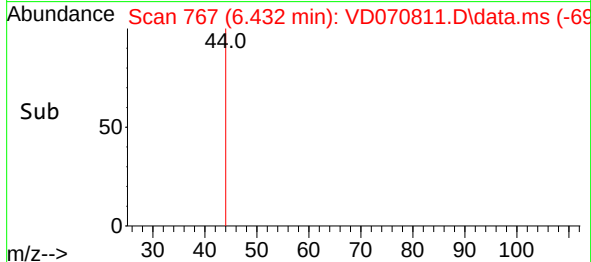
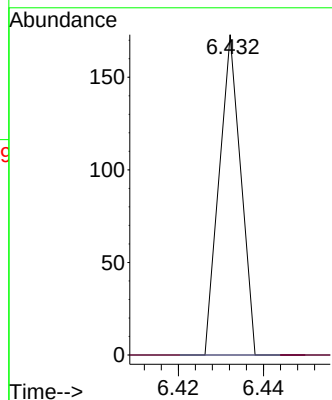
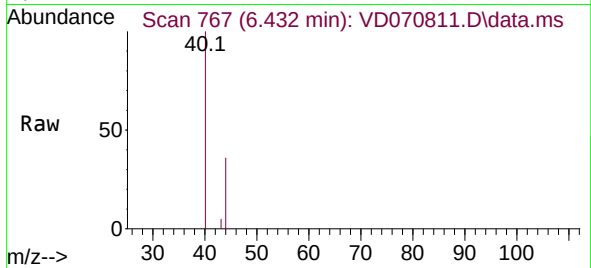




#23
 Vinyl Acetate
 Concen: 16.335 ug/l
 RT: 6.432 min Scan# 767
 Delta R.T. 0.129 min
 Lab File: VD070811.D
 Acq: 21 Oct 2021 20:10

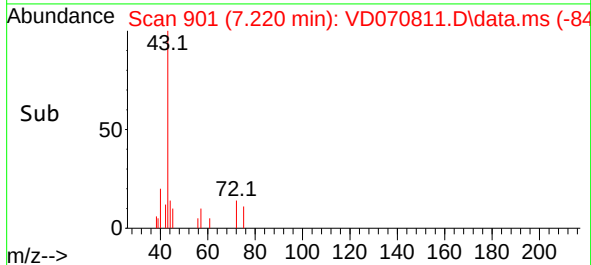
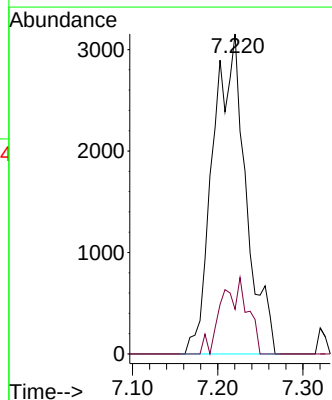
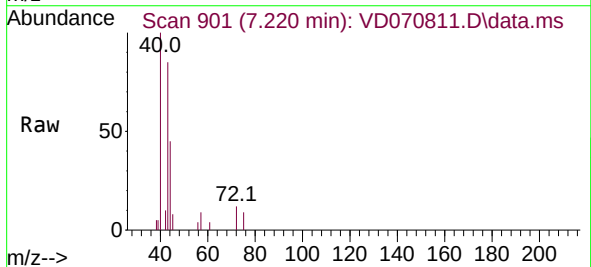
Instrument :
 MSVOA_D
 ClientSampleId :

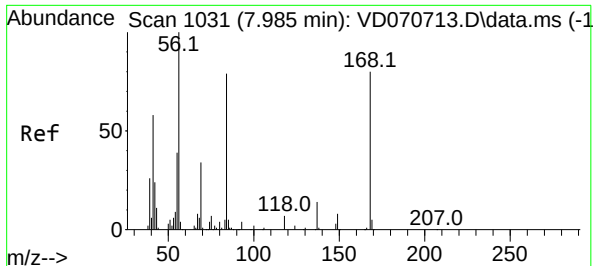
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 5.586 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.012 min
 Lab File: VD070811.D
 Acq: 21 Oct 2021 20:10

Tgt Ion: 43 Resp: 8453
 Ion Ratio Lower Upper
 43 100
 72 13.9 25.2 37.8#

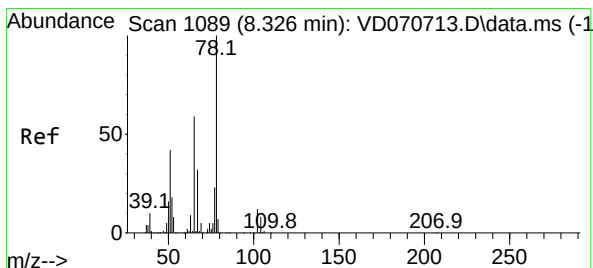
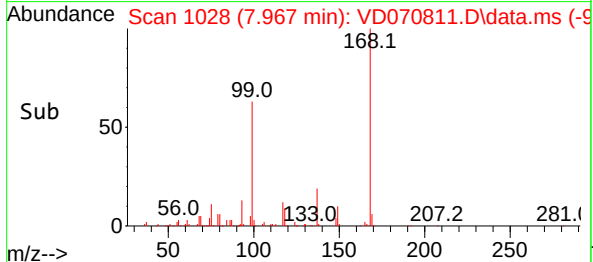
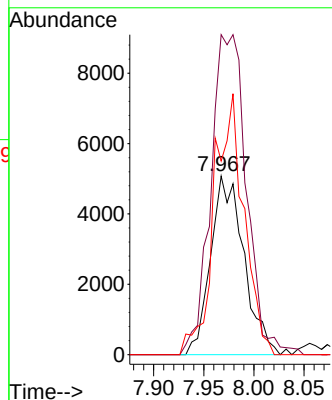
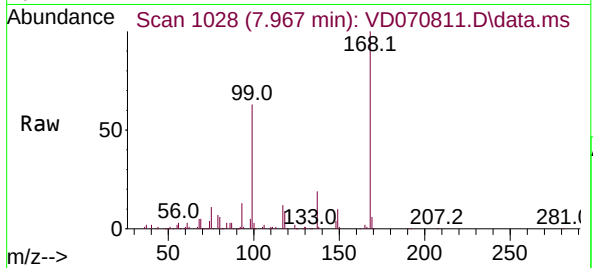




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.017 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

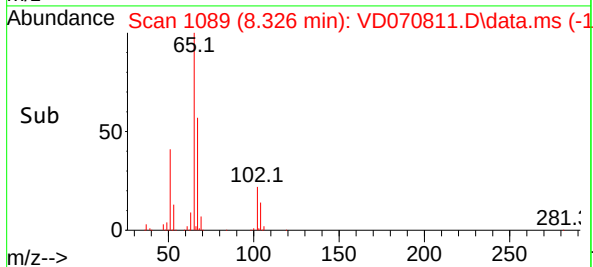
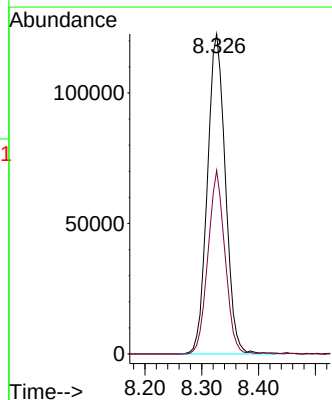
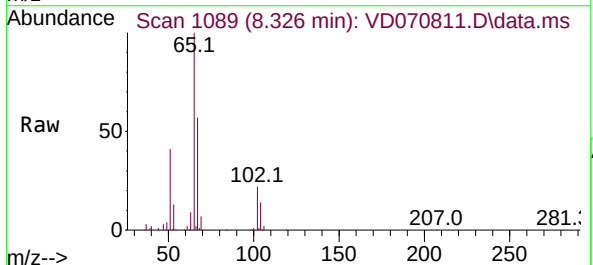
Instrument :
MSVOA_D
ClientSampleId :

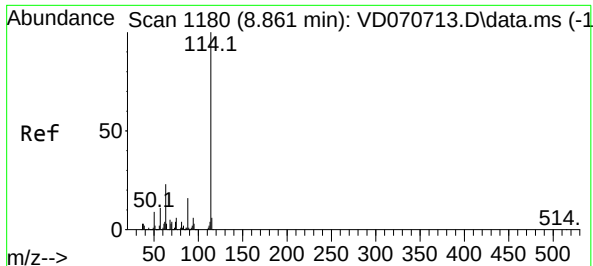
Tgt Ion: 56 Resp: 11693
Ion Ratio Lower Upper
56 100
69 179.1 27.4 41.2#
84 108.4 73.6 110.4



#33
1,2-Dichloroethane-d4
Concen: 52.976 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion: 65 Resp: 269035
Ion Ratio Lower Upper
65 100
67 54.2 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: VD070811.D

Acq: 21 Oct 2021 20:10

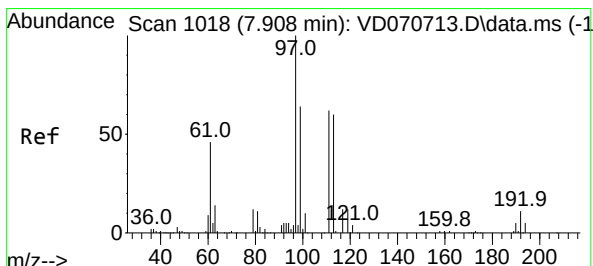
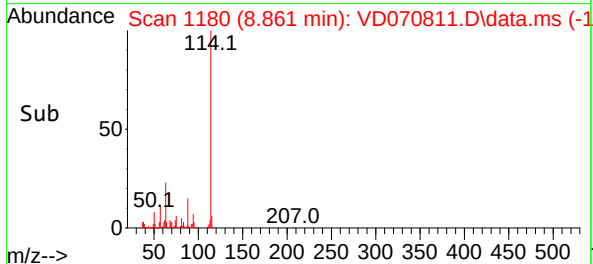
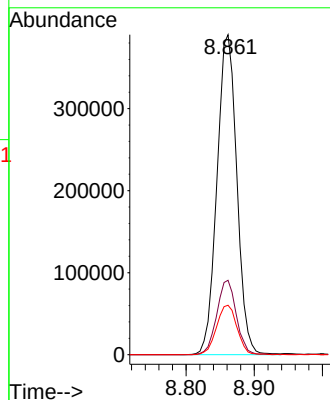
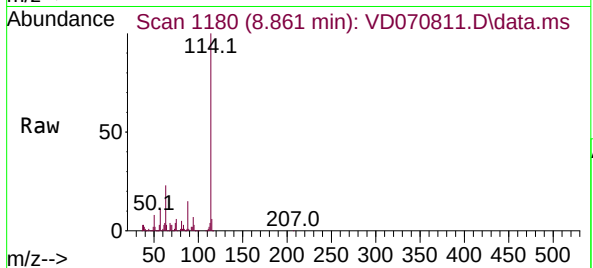
Tgt Ion:114 Resp: 792829

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.267 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070811.D

Acq: 21 Oct 2021 20:10

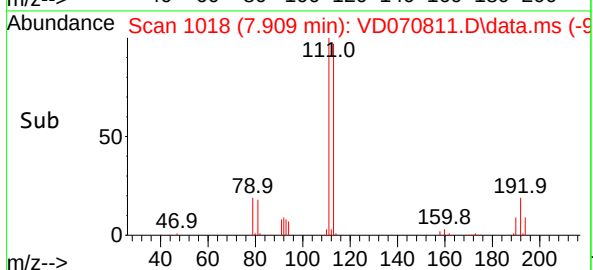
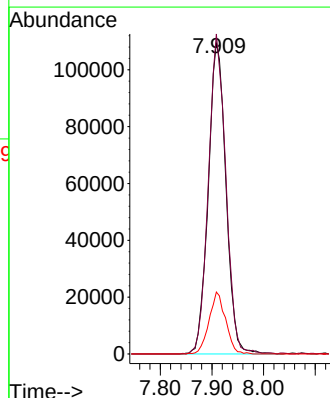
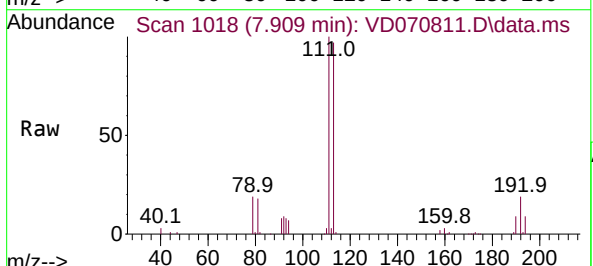
Tgt Ion:113 Resp: 260261

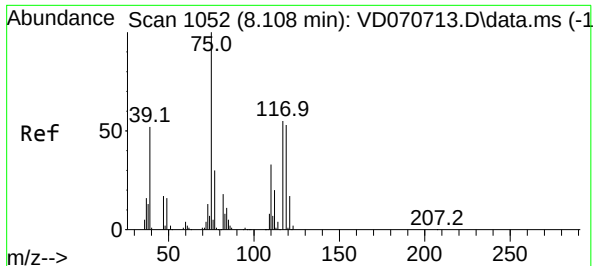
Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

192 18.7 12.7 19.1

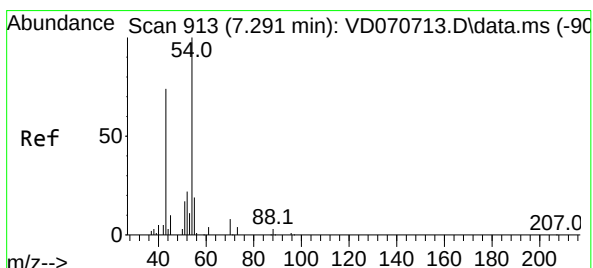
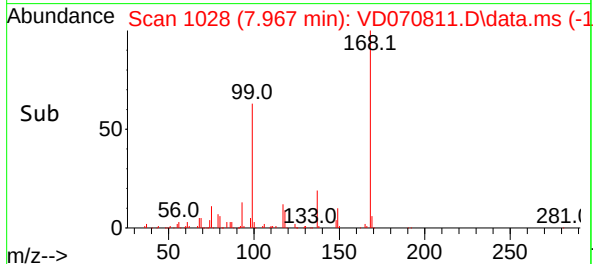
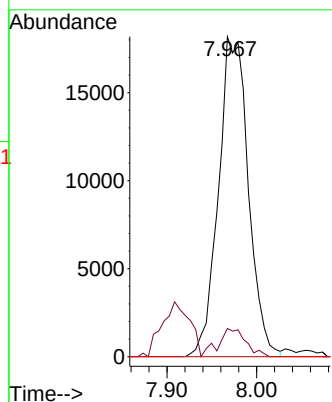
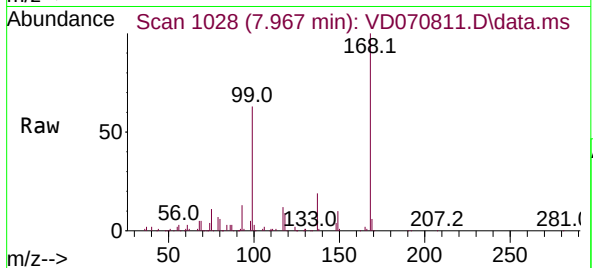




#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

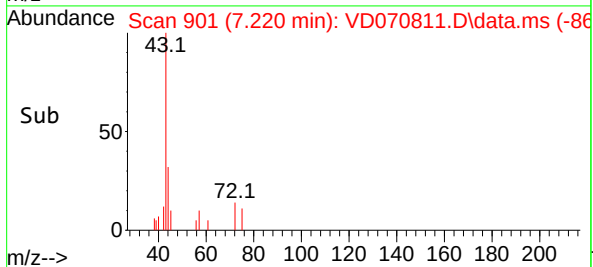
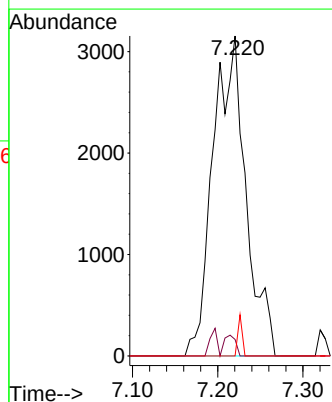
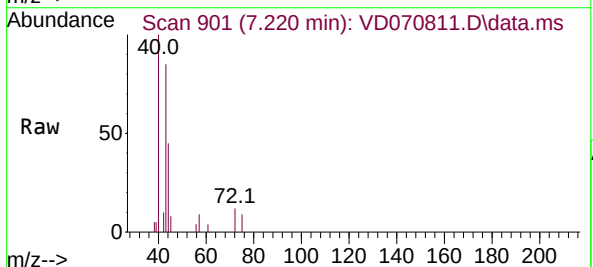
Instrument :
MSVOA_D
ClientSampled :

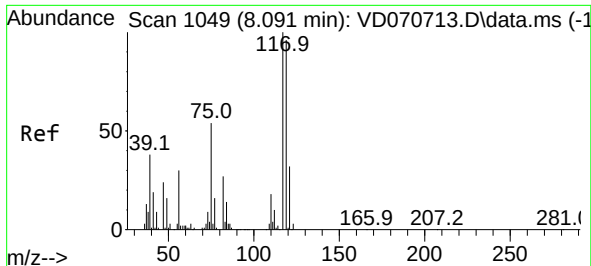
Tgt Ion: 75 Resp: 42039
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.6#
77 0.0 24.2 36.4#



#37
Ethyl Acetate
Concen: 2.310 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.070 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

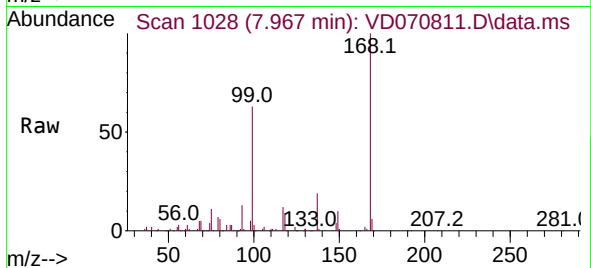
Tgt Ion: 43 Resp: 8453
Ion Ratio Lower Upper
43 100
61 2.3 12.9 19.3#
70 1.7 9.9 14.9#



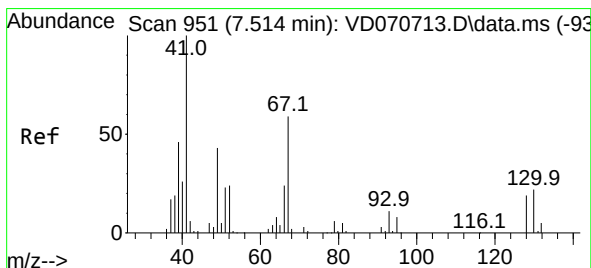
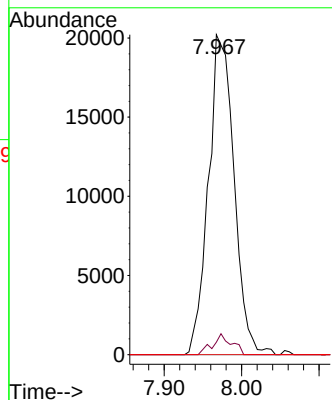
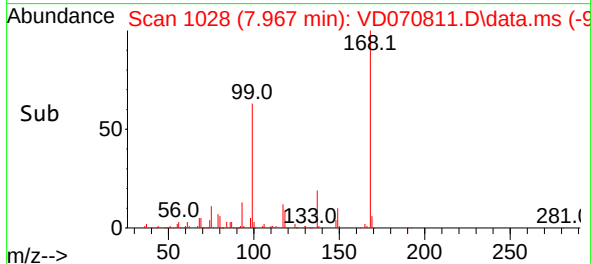


#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

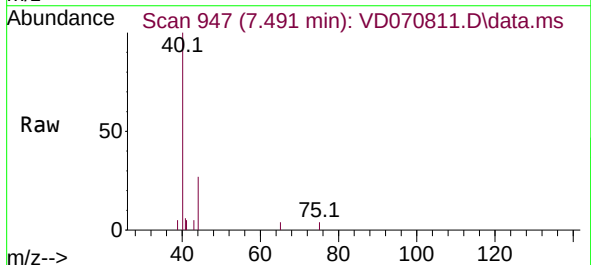
Instrument :
MSVOA_D
ClientSampleId :



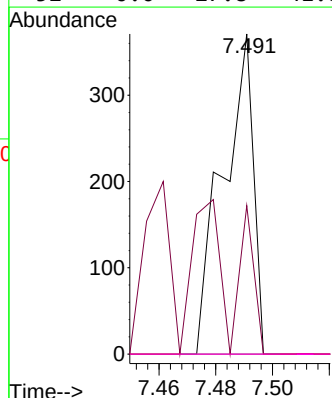
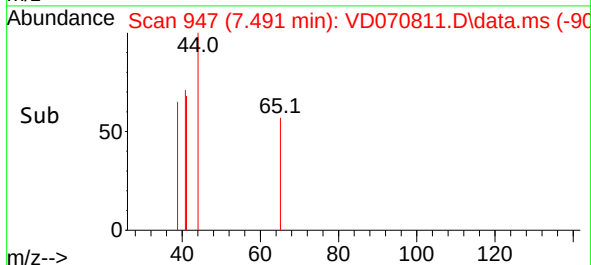
Tgt Ion:117 Resp: 46626
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.0#
121 0.0 25.4 38.0#

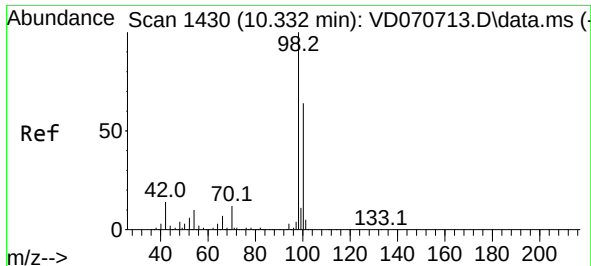


#41
Methacrylonitrile
Concen: 2.058 ug/l
RT: 7.491 min Scan# 947
Delta R.T. -0.023 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10



Tgt Ion: 41 Resp: 276
Ion Ratio Lower Upper
41 100
39 65.6 45.2 67.8
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

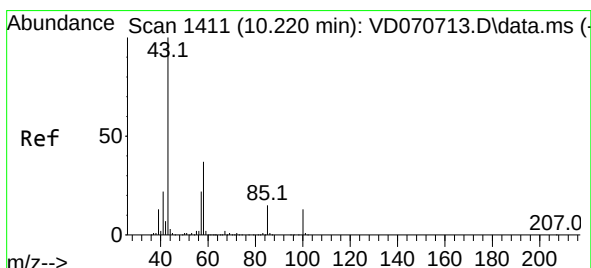
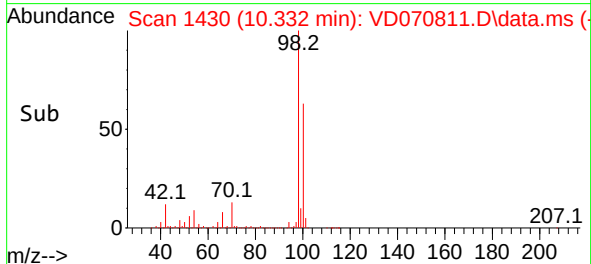
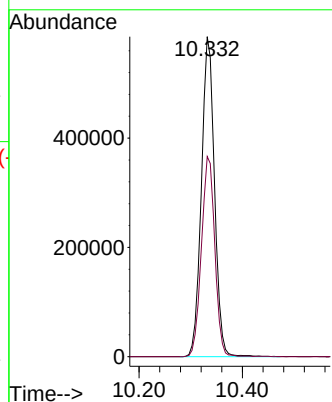
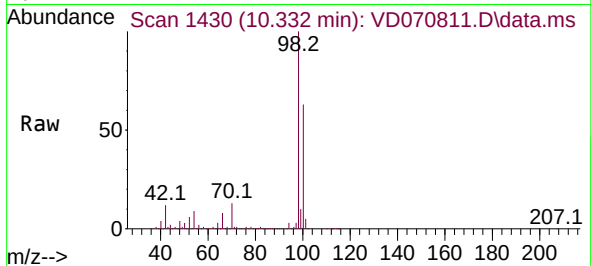




#50
Toluene-d8
Concen: 52.918 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

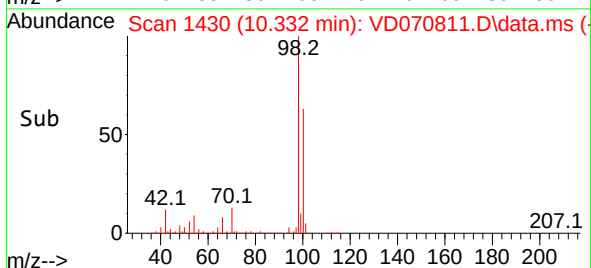
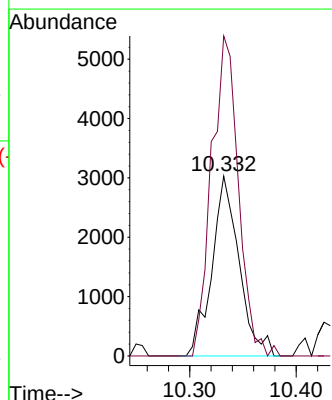
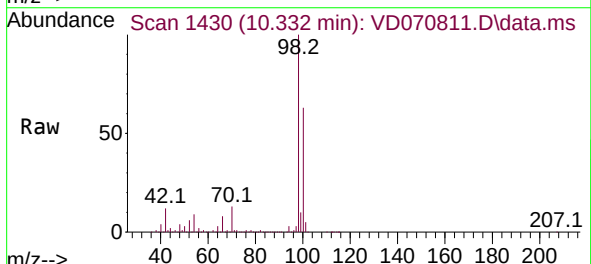
Instrument :
MSVOA_D
ClientSampled :

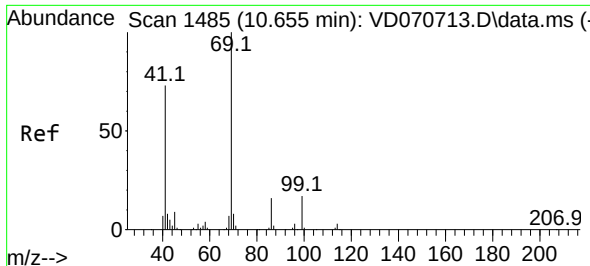
Tgt Ion: 98 Resp: 1029797
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.463 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion: 43 Resp: 5384
Ion Ratio Lower Upper
43 100
58 175.6 35.0 52.6#

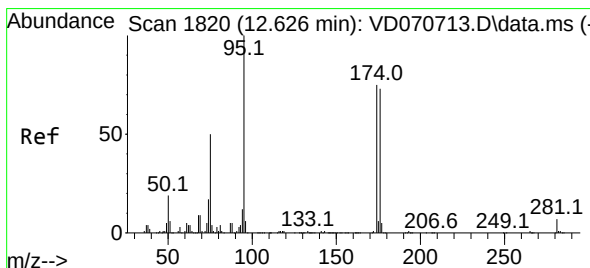
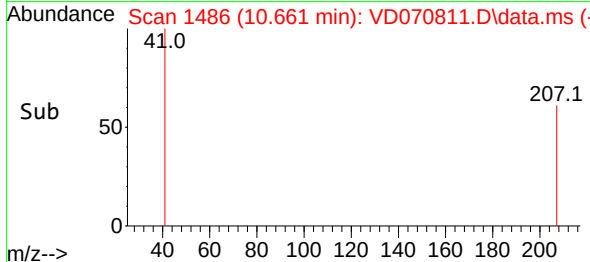
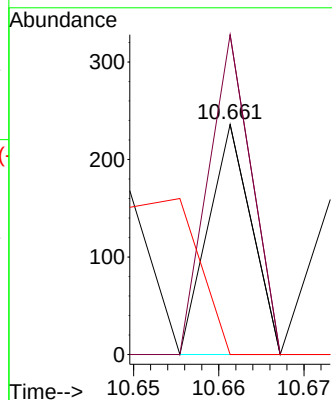
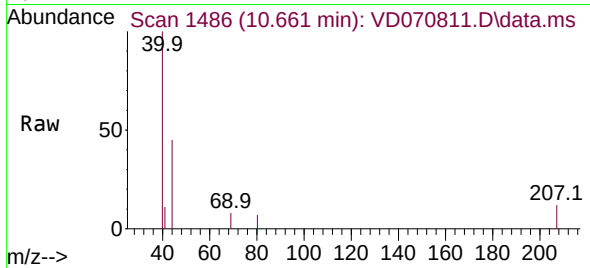




#56
Ethyl methacrylate
Concen: 4.168 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

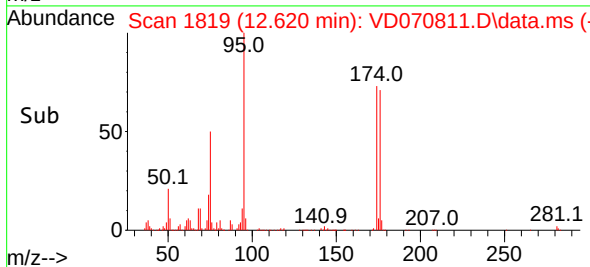
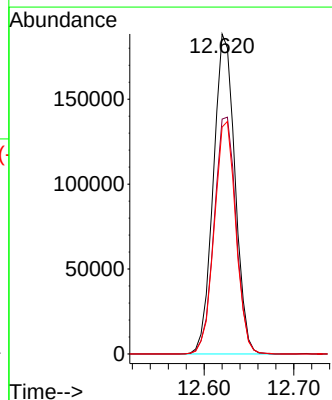
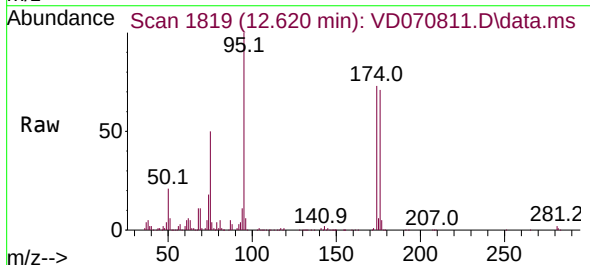
Instrument :
MSVOA_D
ClientSampleId :

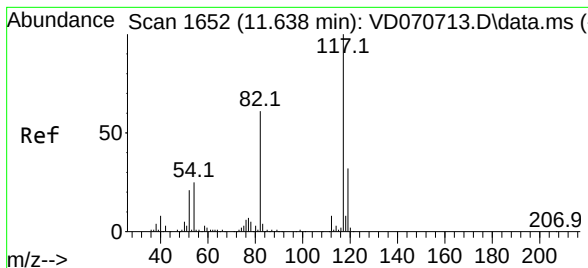
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 139.8 44.7 67.1#
39 132.5 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 47.057 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion: 95 Resp: 315312
Ion Ratio Lower Upper
95 100
174 75.2 0.0 138.0
176 72.3 0.0 135.6

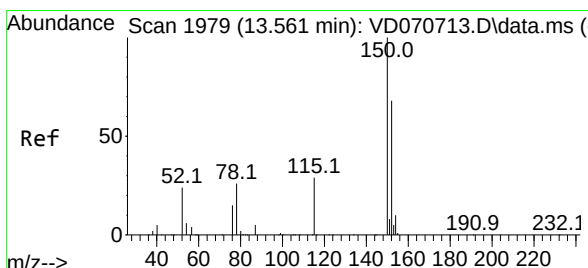
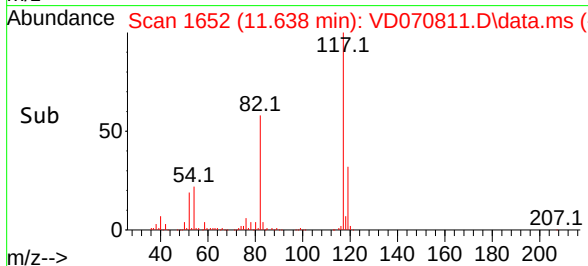
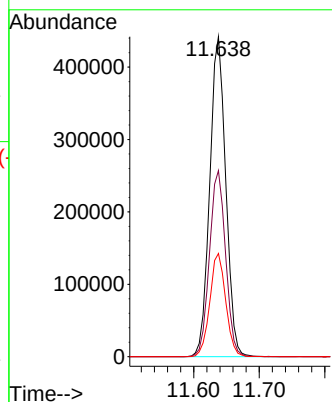
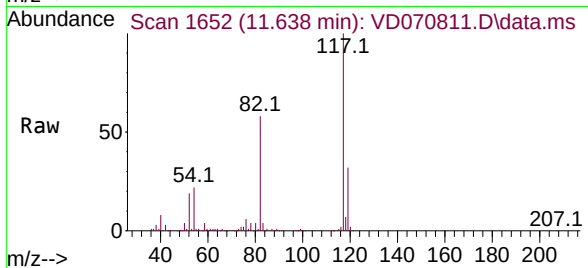




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

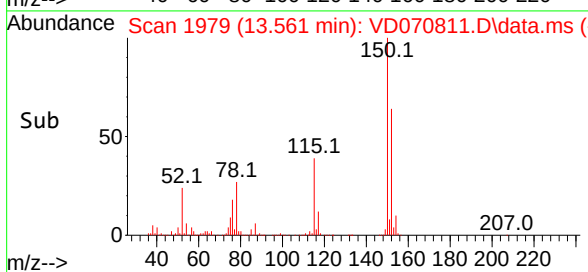
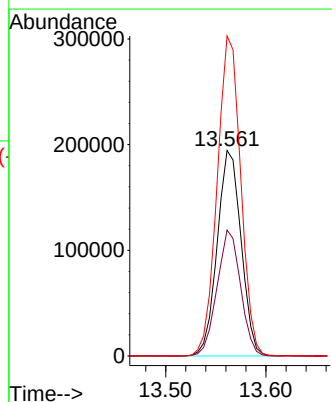
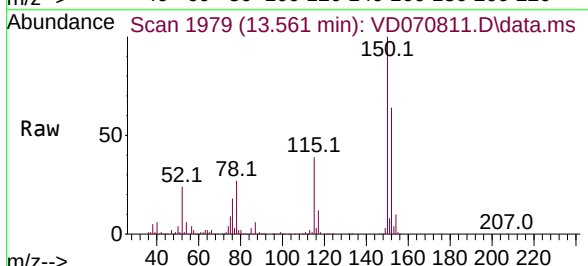
Instrument :
MSVOA_D
ClientSampleId :

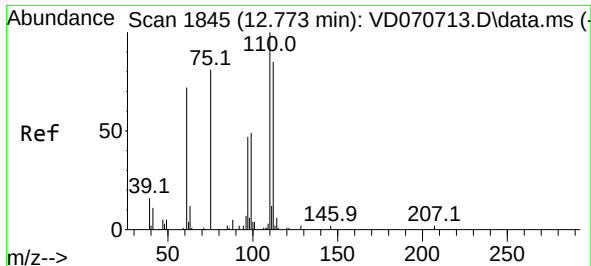
Tgt Ion:117 Resp: 750160
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.2
119 32.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion:152 Resp: 321343
Ion Ratio Lower Upper
152 100
115 60.3 31.9 95.7
150 153.6 0.0 350.0

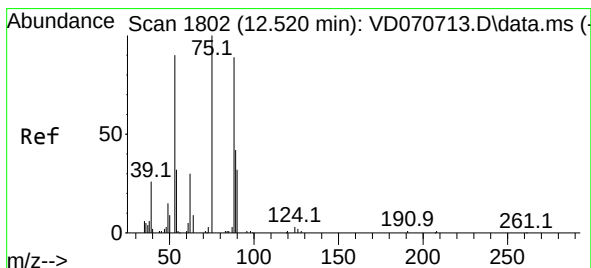
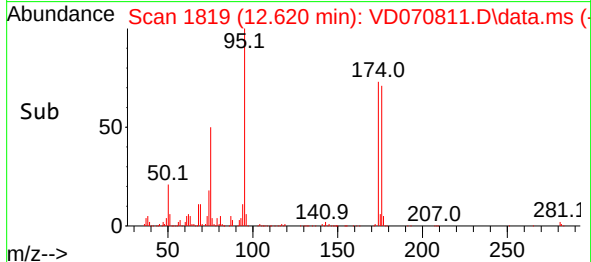
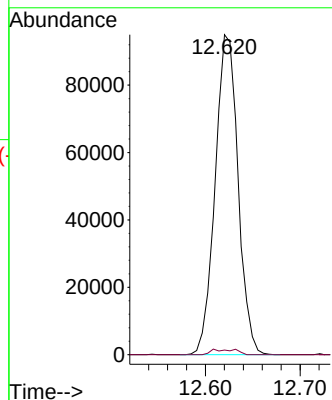
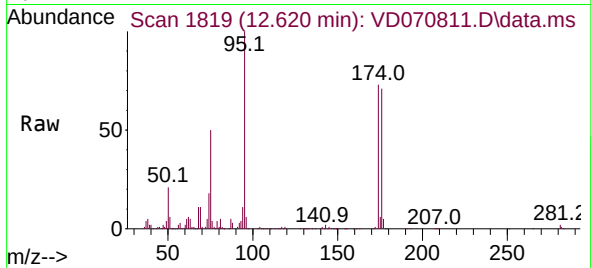




#76
1,2,3-Trichloropropane
Concen: 57.566 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

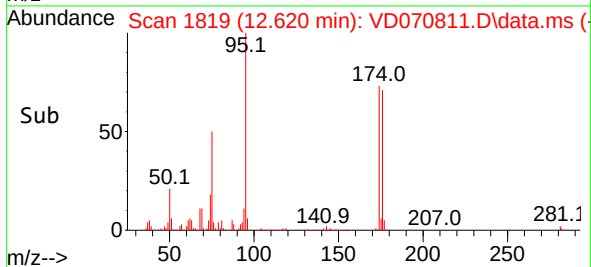
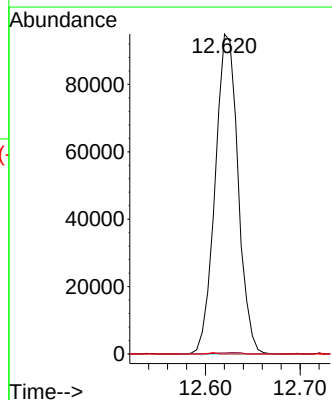
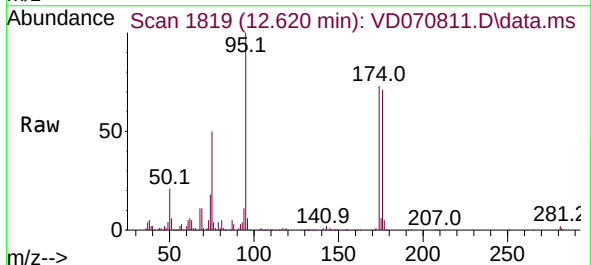
Instrument :
MSVOA_D
ClientSampleId :

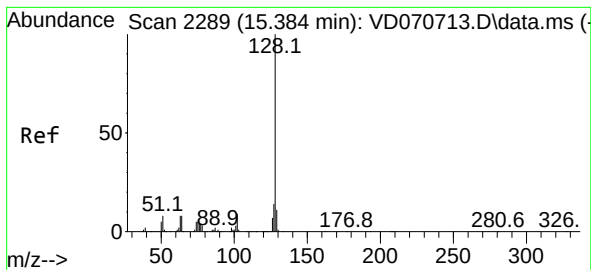
Tgt Ion: 75 Resp: 159820
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.088 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Tgt Ion: 75 Resp: 159820
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 4.830 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070811.D
Acq: 21 Oct 2021 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 434
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

