

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070806.D
 Acq On : 21 Oct 2021 17:47
 Operator : VA/SY
 Sample : M4294-04
 Misc : 3.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:16:44 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)

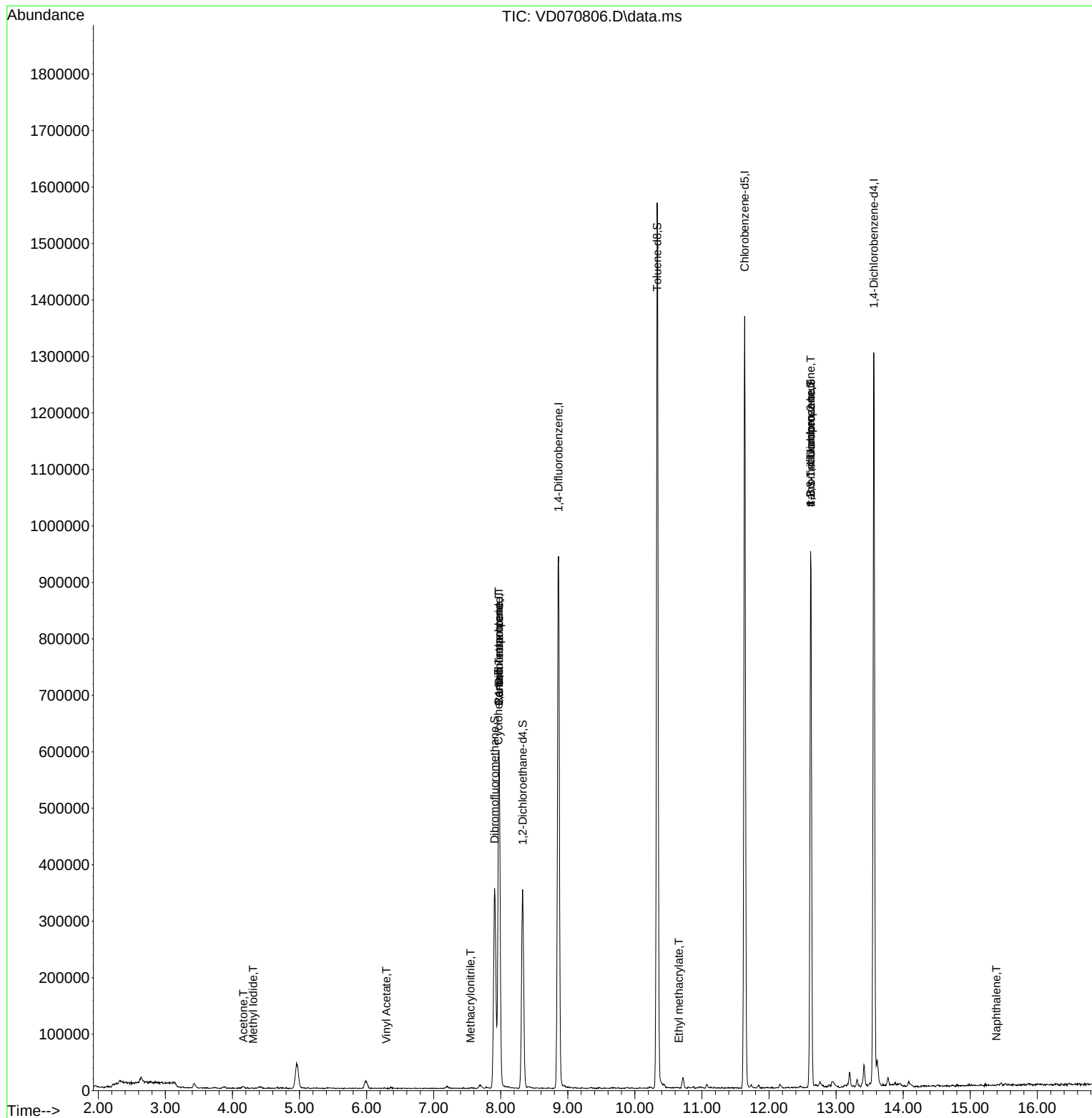
Internal Standards						
1) Pentafluorobenzene	7.973	168	419594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	775972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	744890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	280171	56.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.740%			
35) Dibromofluoromethane	7.909	113	259104	52.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.300%			
50) Toluene-d8	10.332	98	1019838	53.545	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.100%			
62) 4-Bromofluorobenzene	12.620	95	324753	49.519	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.040%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	489	3.407	ug/l #	71
16) Acetone	4.162	43	4582	3.823	ug/l	93
20) Methylene Chloride	4.956	84	33612	Below Cal	#	92
23) Vinyl Acetate	6.297	43	93	16.339	ug/l #	69
31) Cyclohexane	7.967	56	11843	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	40339	4.666	ug/l #	49
38) Carbon Tetrachloride	7.973	117	44423	5.365	ug/l #	16
41) Methacrylonitrile	7.550	41	598	2.198	ug/l #	20
56) Ethyl methacrylate	10.655	69	515	4.236	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	167170	59.185	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	167170	129.634	ug/l #	17
95) Naphthalene	15.390	128	492	4.835	ug/l #	69

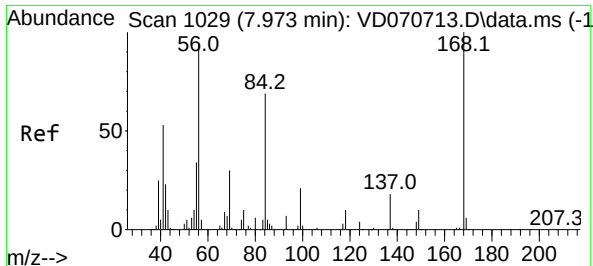
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
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Response via : Initial Calibration

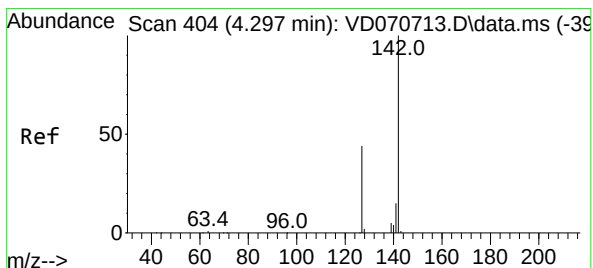
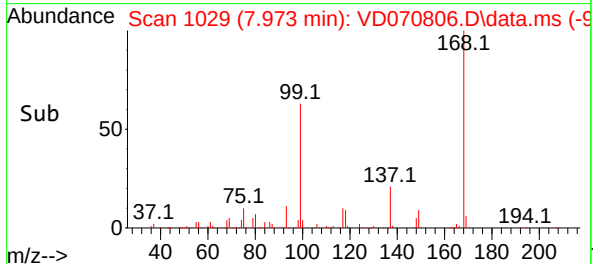
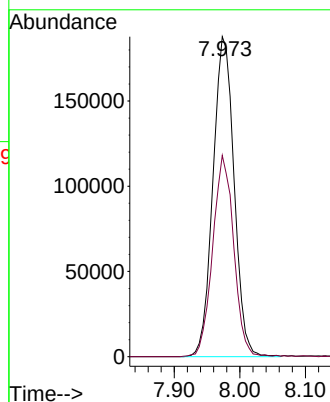
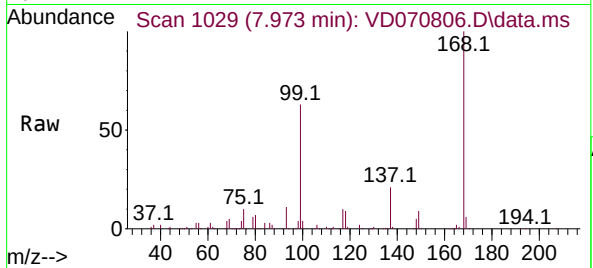




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

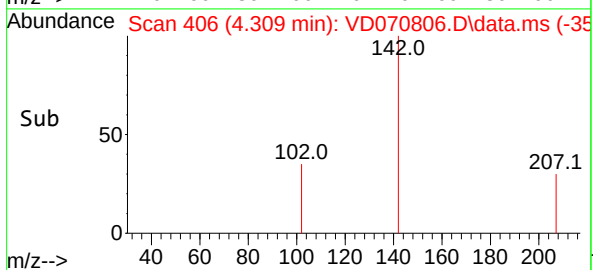
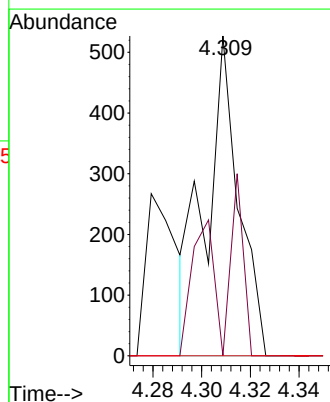
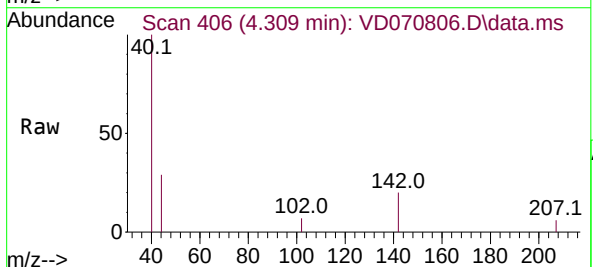
Instrument :
MSVOA_D
ClientSampleId :

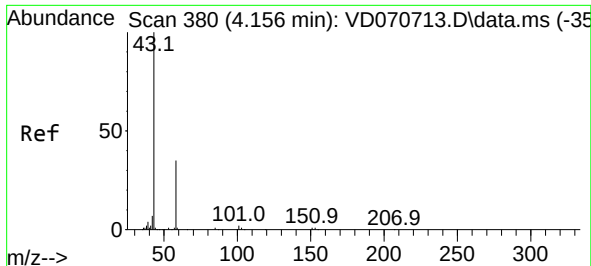
Tgt Ion:168 Resp: 419594
Ion Ratio Lower Upper
168 100
99 62.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.407 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion:142 Resp: 489
Ion Ratio Lower Upper
142 100
127 29.2 37.5 56.3#
141 0.0 12.1 18.1#

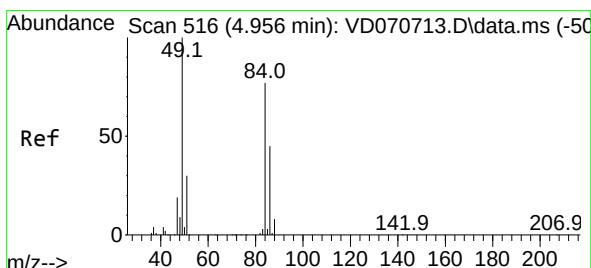
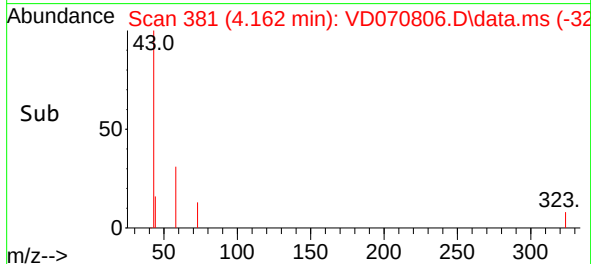
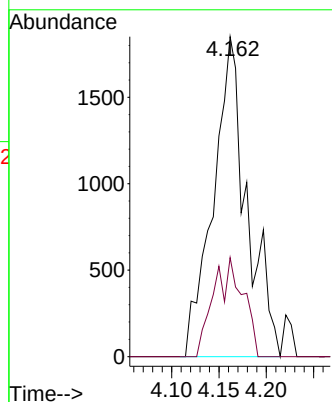
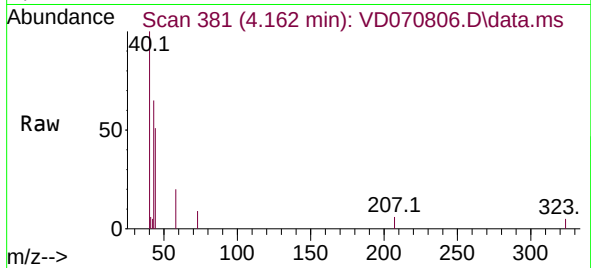




#16
Acetone
Concen: 3.823 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

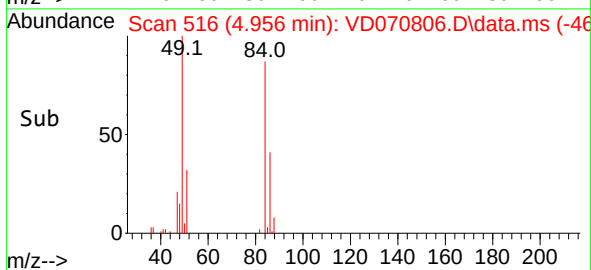
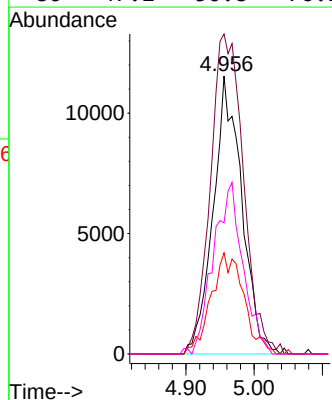
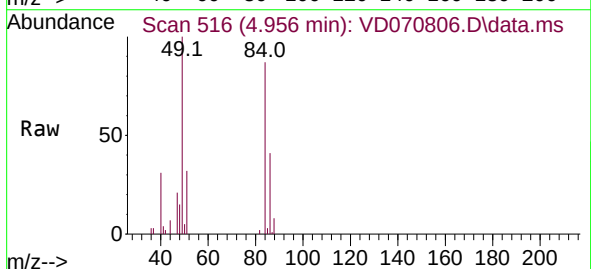
Instrument :
MSVOA_D
ClientSampled :

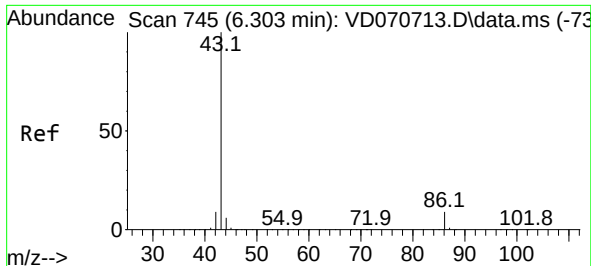
Tgt Ion: 43 Resp: 4582
Ion Ratio Lower Upper
43 100
58 31.0 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion: 84 Resp: 33612
Ion Ratio Lower Upper
84 100
49 115.1 91.4 137.2
51 36.4 26.7 40.1
86 47.2 50.8 76.2#

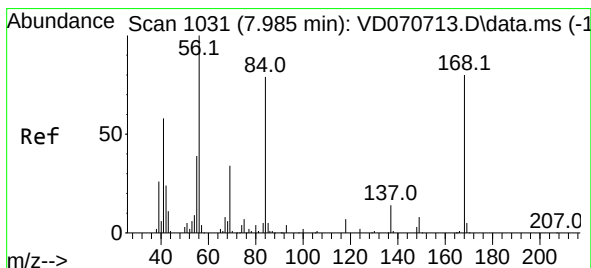
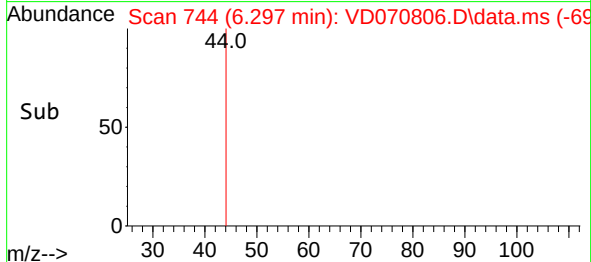
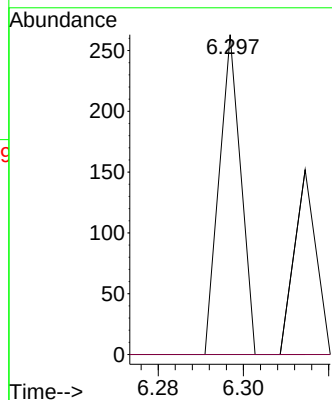
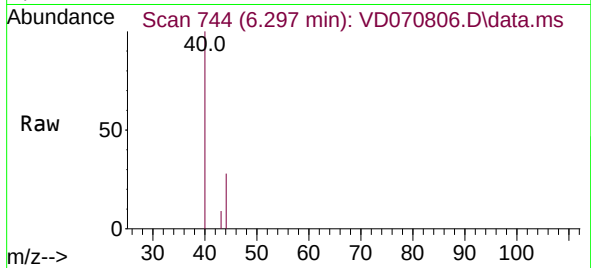




#23
 Vinyl Acetate
 Concen: 16.339 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD070806.D
 Acq: 21 Oct 2021 17:47

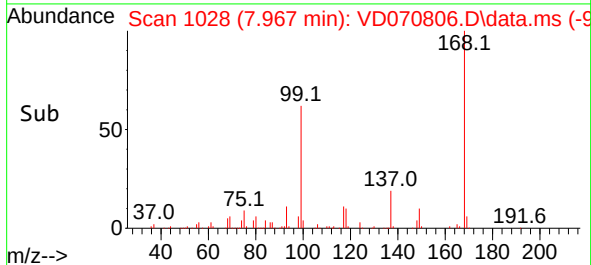
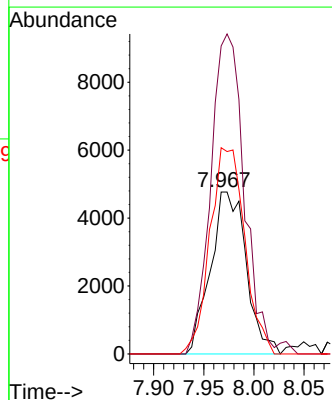
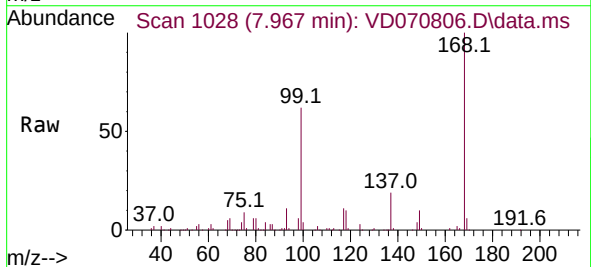
Instrument :
 MSVOA_D
 ClientSampled :

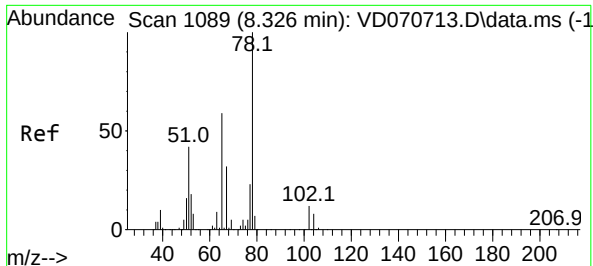
Tgt Ion: 43 Resp: 93
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.178 ug/l
 RT: 7.967 min Scan# 1028
 Delta R.T. -0.017 min
 Lab File: VD070806.D
 Acq: 21 Oct 2021 17:47

Tgt Ion: 56 Resp: 11843
 Ion Ratio Lower Upper
 56 100
 69 190.3 27.4 41.2#
 84 127.4 73.6 110.4#

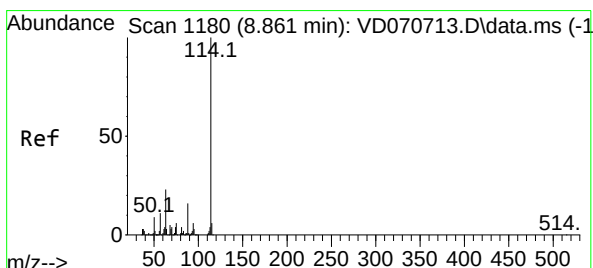
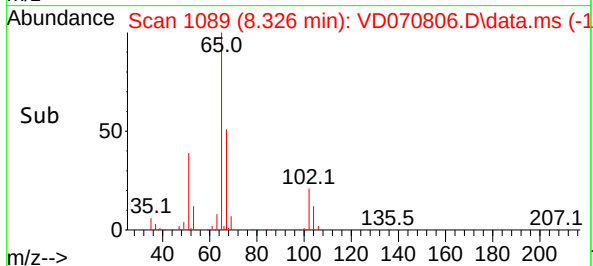
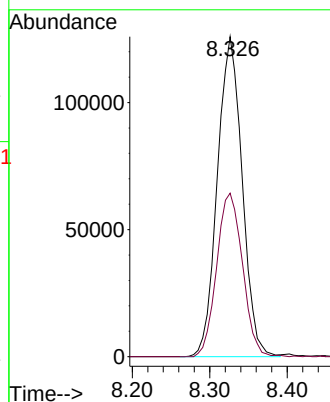
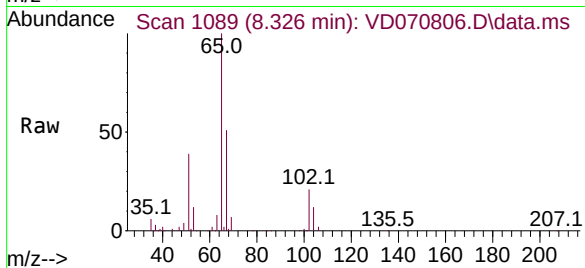




#33
1,2-Dichloroethane-d4
Concen: 56.375 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

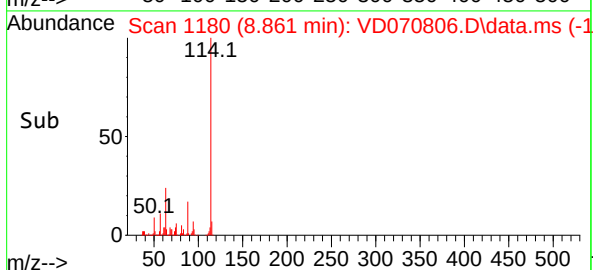
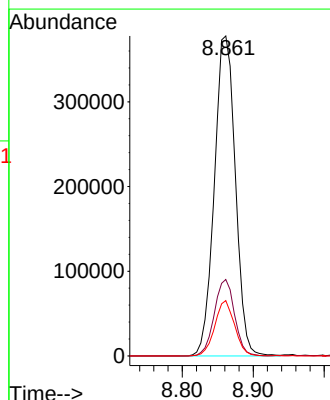
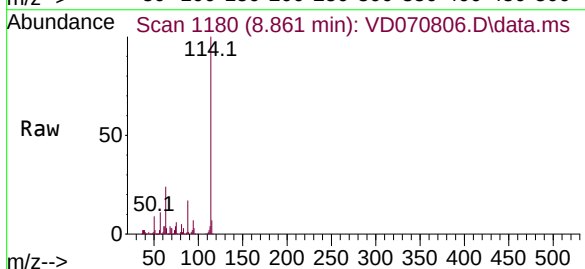
Instrument :
MSVOA_D
ClientSampled :

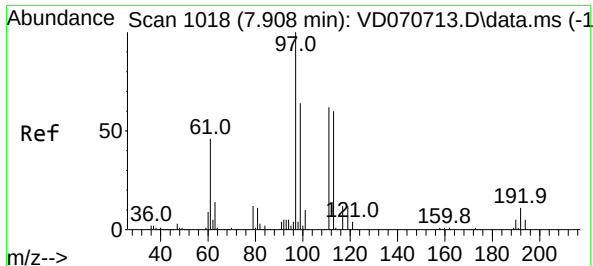
Tgt Ion: 65 Resp: 280171
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion: 114 Resp: 775972
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.148 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070806.D

Acq: 21 Oct 2021 17:47

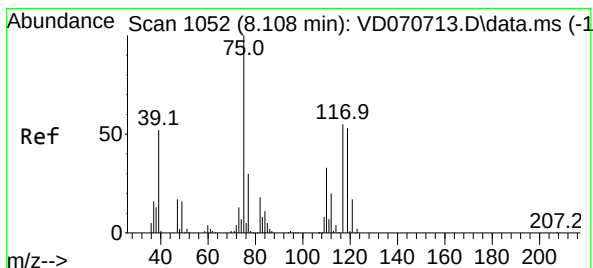
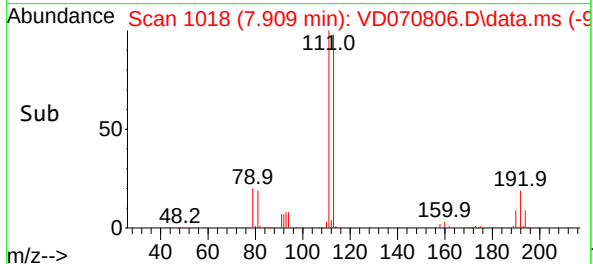
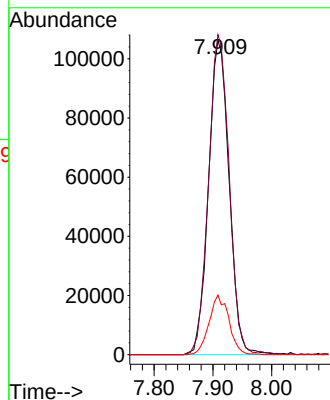
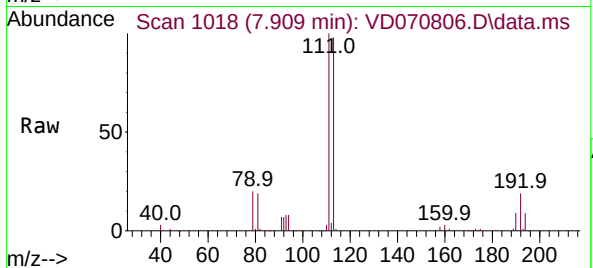
Tgt Ion:113 Resp: 259104

Ion Ratio Lower Upper

113 100

111 101.0 83.1 124.7

192 18.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070806.D

Acq: 21 Oct 2021 17:47

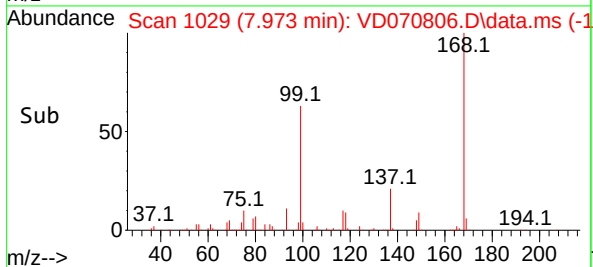
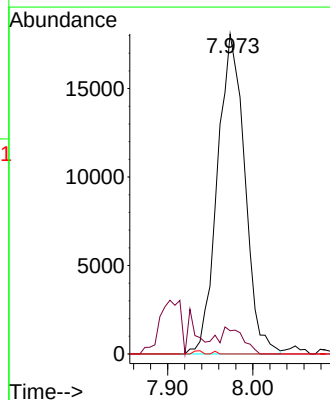
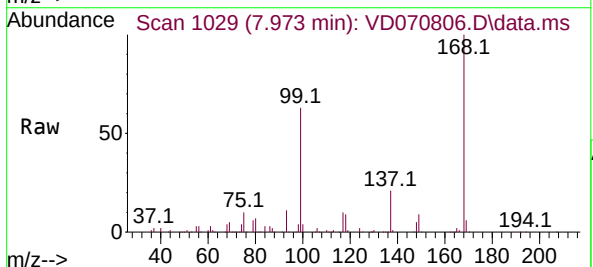
Tgt Ion: 75 Resp: 40339

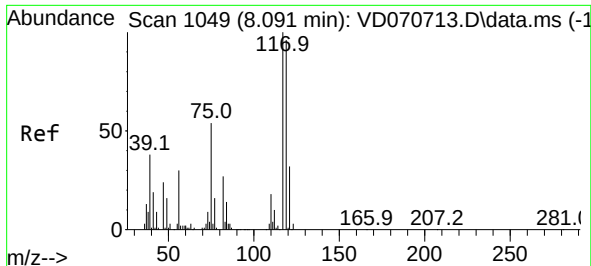
Ion Ratio Lower Upper

75 100

110 7.5 17.2 51.6#

77 0.1 24.2 36.4#

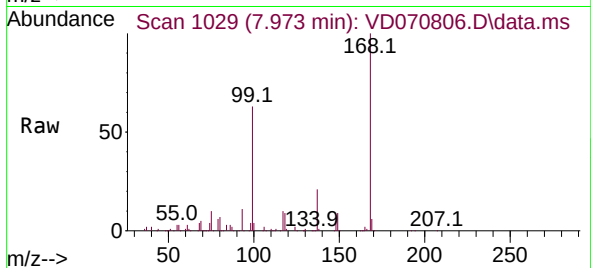




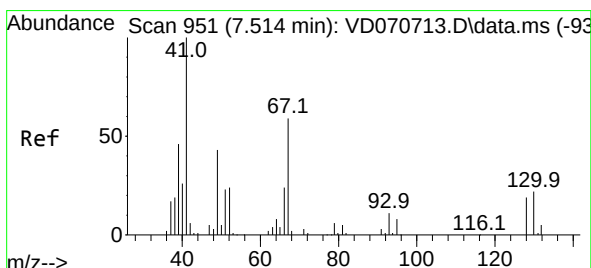
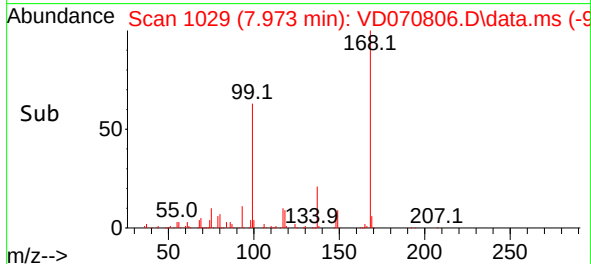
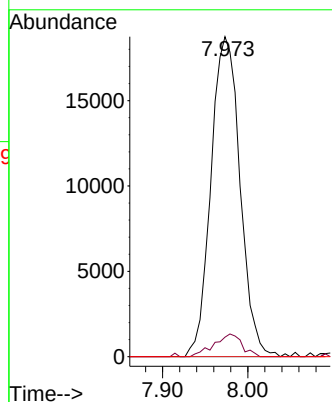
#38

Carbon Tetrachloride
Concen: 5.365 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Instrument :
MSVOA_D
ClientSampled :



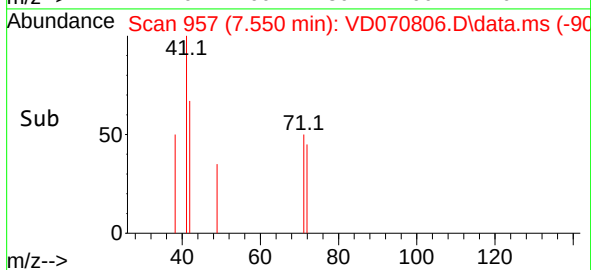
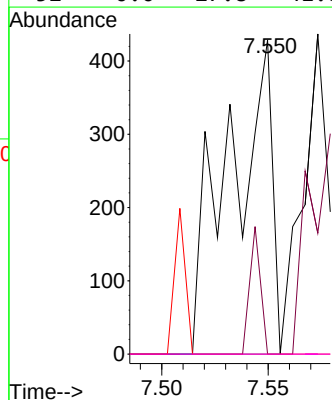
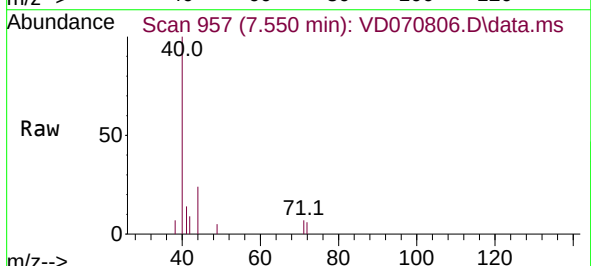
Tgt Ion:117 Resp: 44423
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 25.4 38.0#

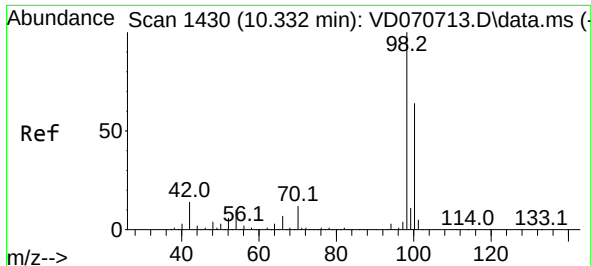


#41

Methacrylonitrile
Concen: 2.198 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.036 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion: 41 Resp: 598
Ion Ratio Lower Upper
41 100
39 10.2 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

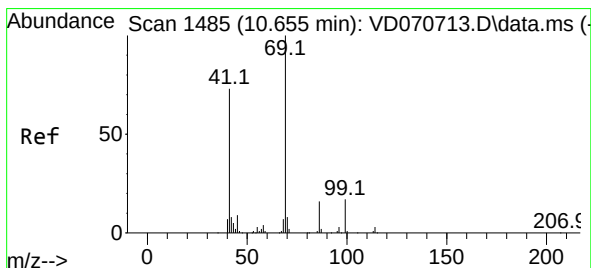
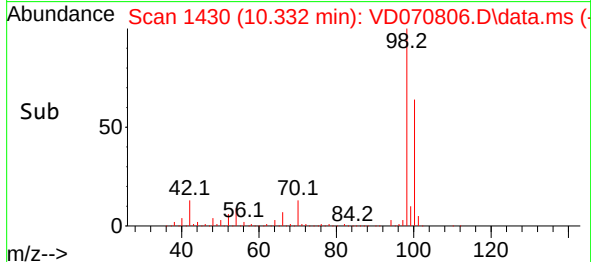
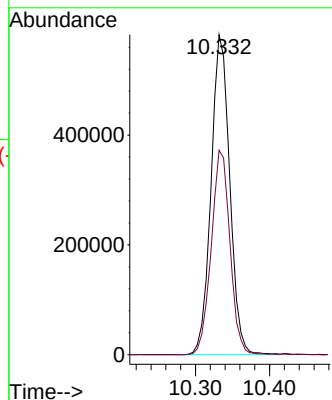
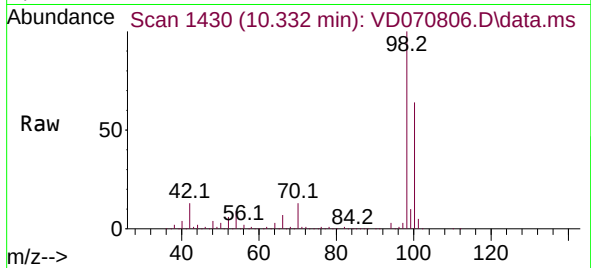




#50
Toluene-d8
Concen: 53.545 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

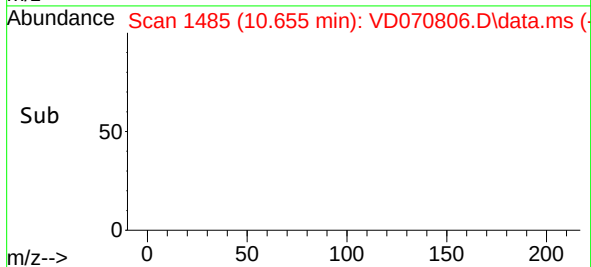
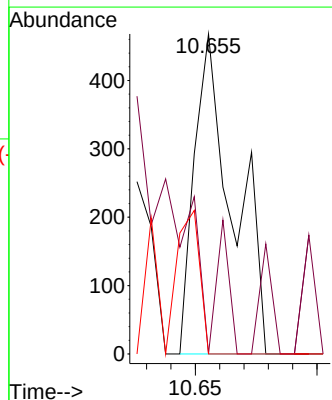
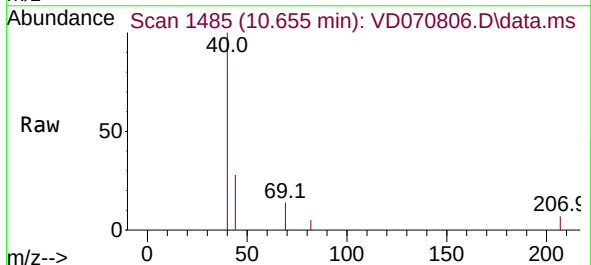
Instrument :
MSVOA_D
ClientSampled :

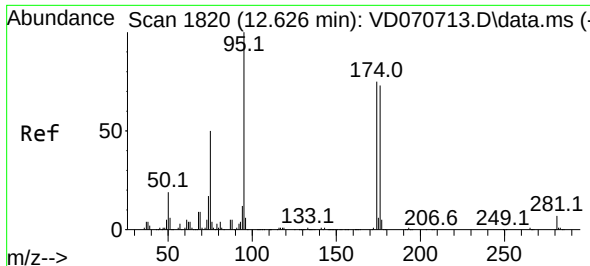
Tgt Ion: 98 Resp: 1019838
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.236 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion: 69 Resp: 515
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 26.6 19.5 29.3

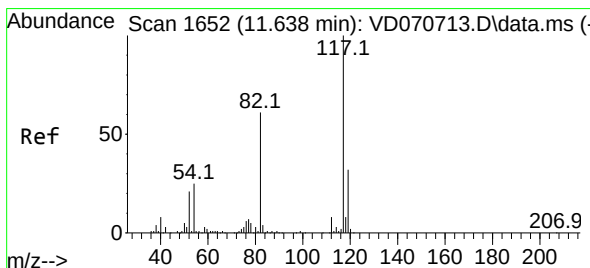
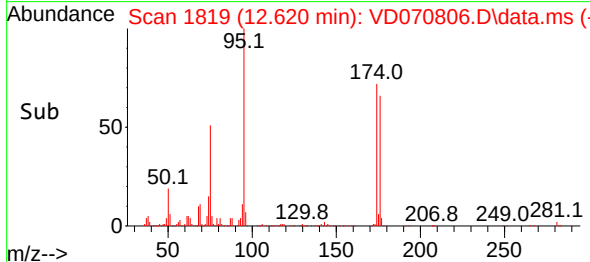
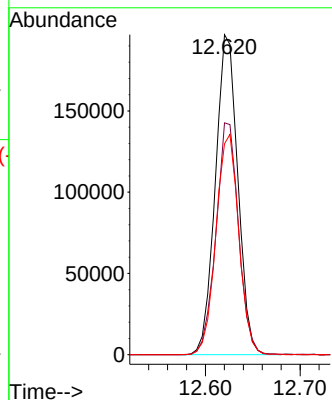
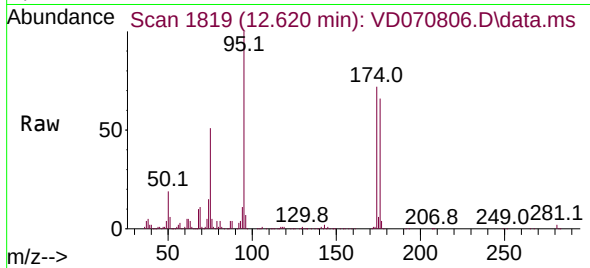




#62
4-Bromofluorobenzene
Concen: 49.519 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

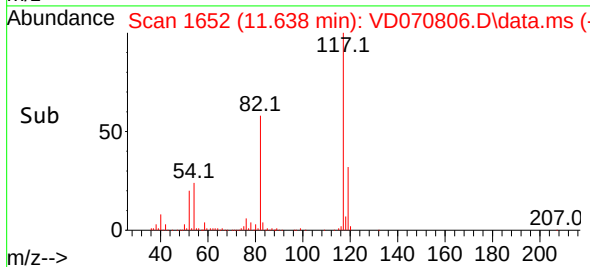
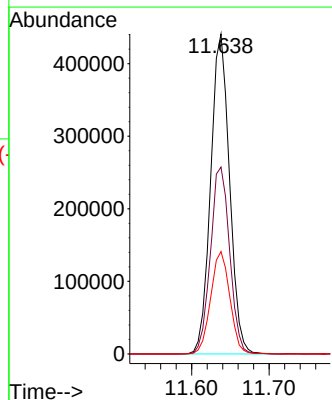
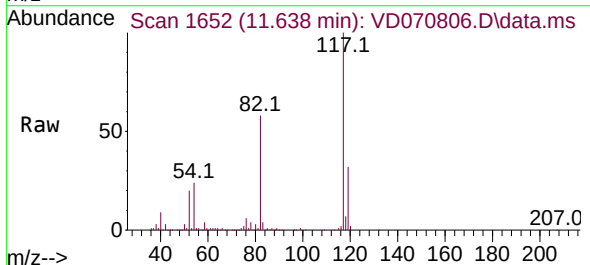
Instrument :
MSVOA_D
ClientSampleId :

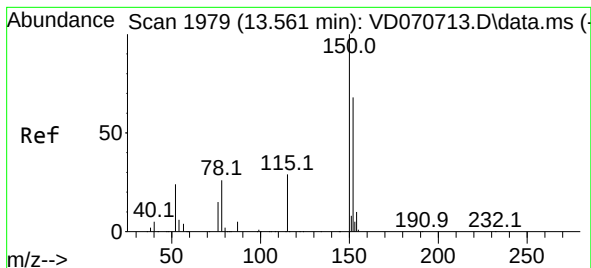
Tgt Ion: 95 Resp: 324753
Ion Ratio Lower Upper
95 100
174 72.9 0.0 138.0
176 70.0 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion: 117 Resp: 744890
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.2
119 32.0 24.7 37.1

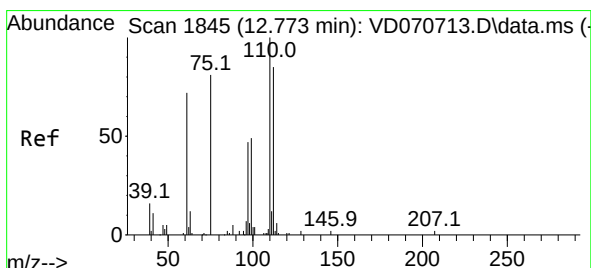
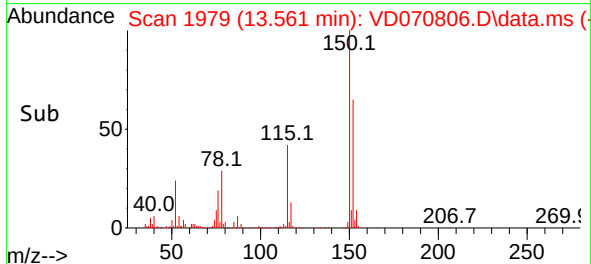
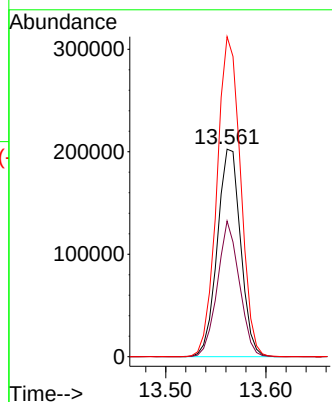
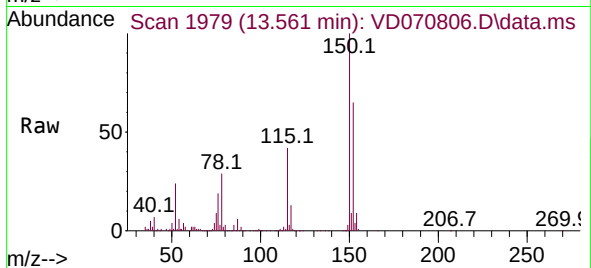




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070806.D
 Acq: 21 Oct 2021 17:47

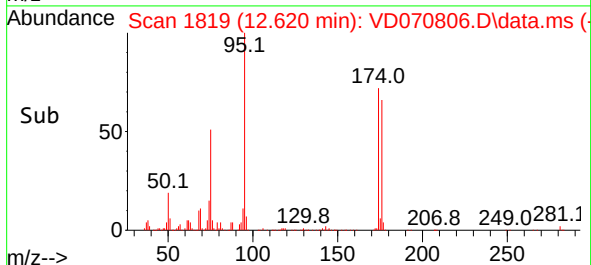
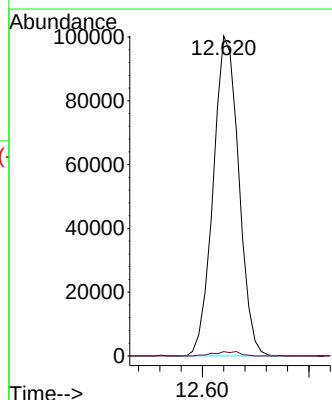
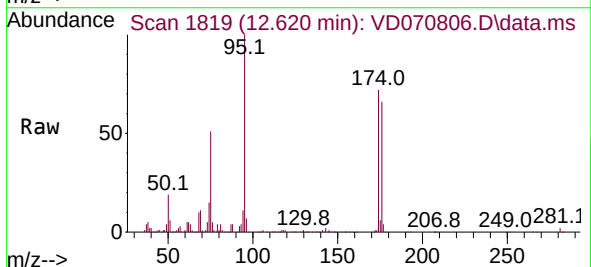
Instrument :
 MSVOA_D
 ClientSampled :

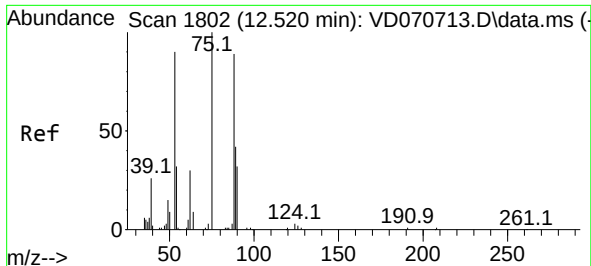
Tgt Ion:152 Resp: 326928
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.9 95.7
 150 156.2 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 59.185 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070806.D
 Acq: 21 Oct 2021 17:47

Tgt Ion: 75 Resp: 167170
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

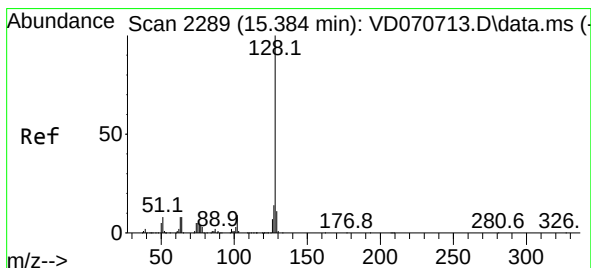
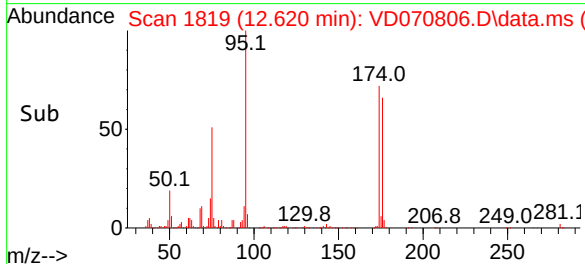
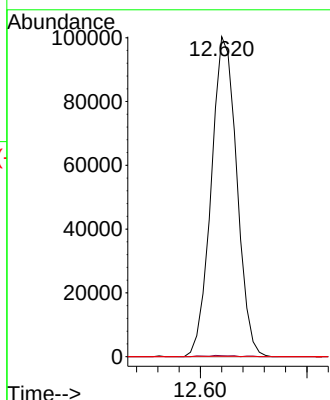
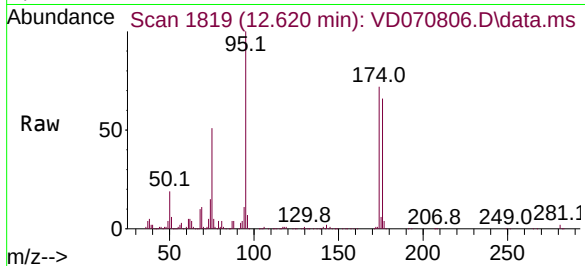




#81
trans-1,4-Dichloro-2-butene
Concen: 129.634 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 167170
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 4.835 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070806.D
Acq: 21 Oct 2021 17:47

Tgt Ion:128 Resp: 492
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

