

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070848.D
 Acq On : 26 Oct 2021 18:57
 Operator : VA/SY
 Sample : M4348-07
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 06:23:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

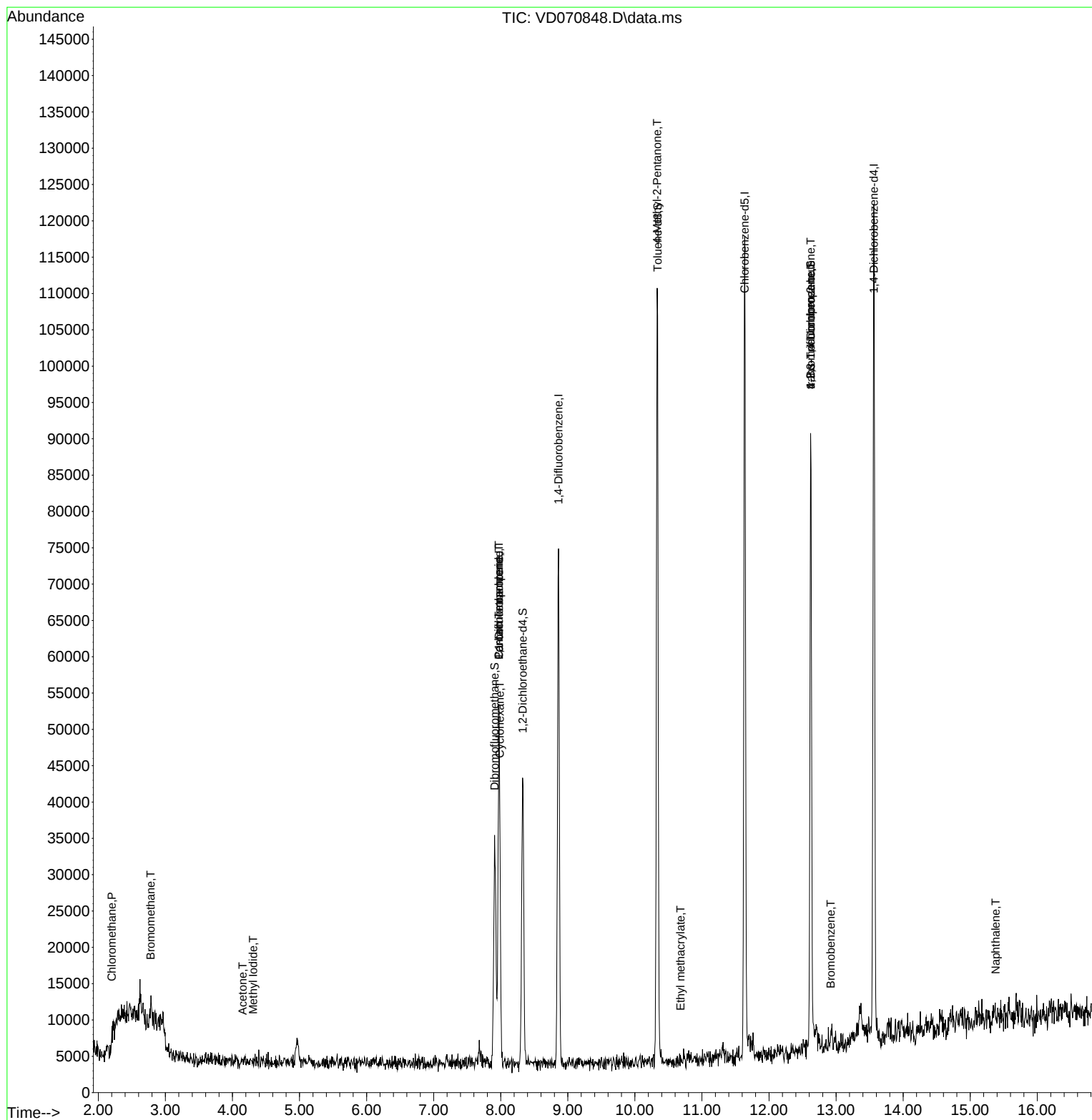
Internal Standards						
1) Pentafluorobenzene	7.973	168	34399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	54977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	65932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	31926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	30053	86.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 173.740%#			
35) Dibromofluoromethane	7.908	113	22755	62.774	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.540%			
50) Toluene-d8	10.338	98	76444	56.054	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.100%			
62) 4-Bromofluorobenzene	12.620	95	27698	61.556	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.120%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	754	1.670	ug/l #	42
5) Bromomethane	2.779	94	1983	2.549	ug/l	98
10) Methyl Iodide	4.309	142	450	4.612	ug/l #	40
16) Acetone	4.150	43	181	2.249	ug/l #	40
20) Methylene Chloride	4.956	84	1381	Below Cal	#	68
31) Cyclohexane	7.985	56	986	1.399	ug/l #	40
36) 1,1-Dichloropropene	7.973	75	2487	4.324	ug/l #	41
38) Carbon Tetrachloride	7.973	117	3632	6.279	ug/l #	12
51) 4-Methyl-2-Pentanone	10.332	43	228	1.094	ug/l #	1
56) Ethyl methacrylate	10.679	69	65	3.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	13166	41.892	ug/l #	1
77) Bromobenzene	12.920	156	596	1.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	13166	109.952	ug/l #	18
95) Naphthalene	15.379	128	475	4.559	ug/l #	69

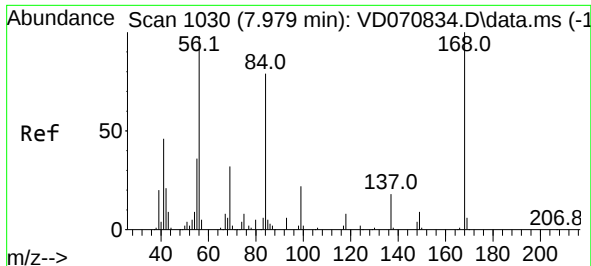
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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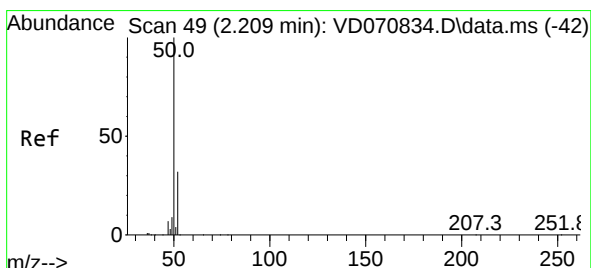
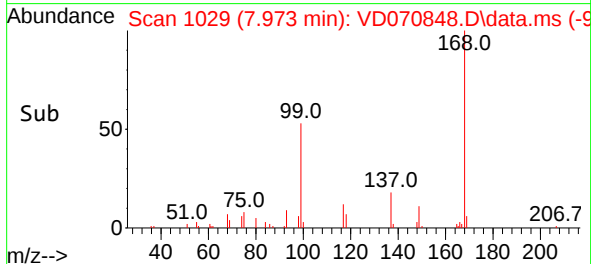
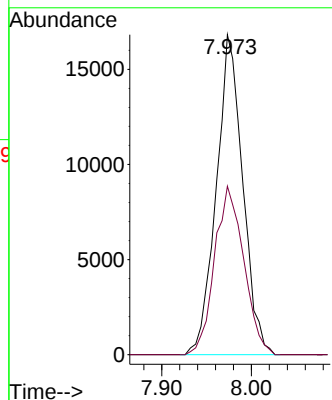
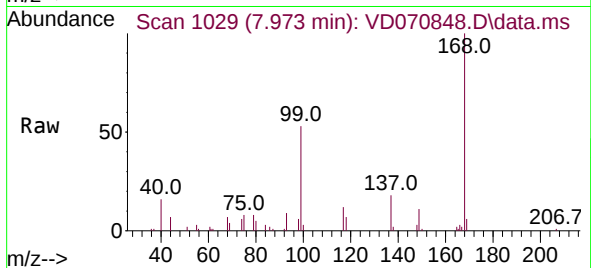




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

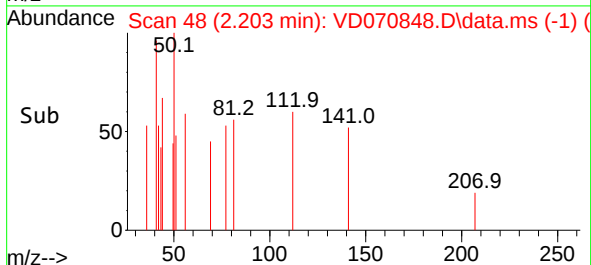
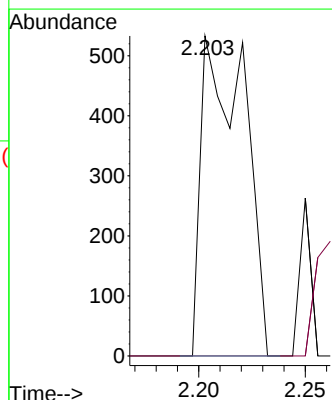
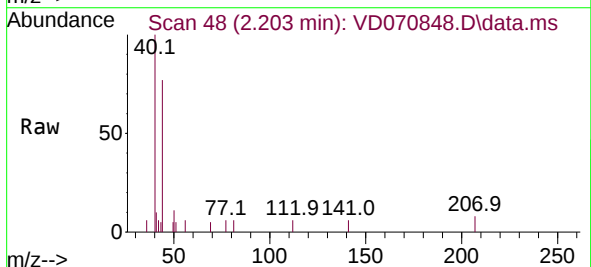
Instrument :
MSVOA_D
ClientSampleId :

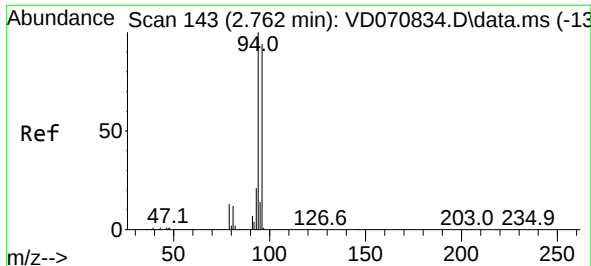
Tgt Ion:168 Resp: 34399
Ion Ratio Lower Upper
168 100
99 52.7 46.6 69.8



#3
Chloromethane
Concen: 1.670 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion: 50 Resp: 754
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

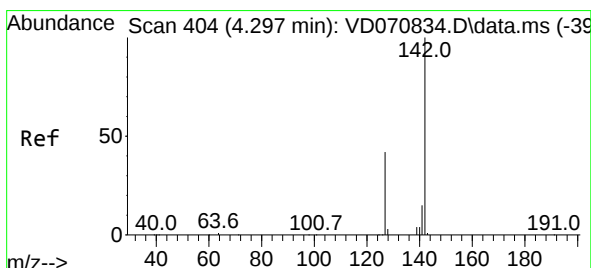
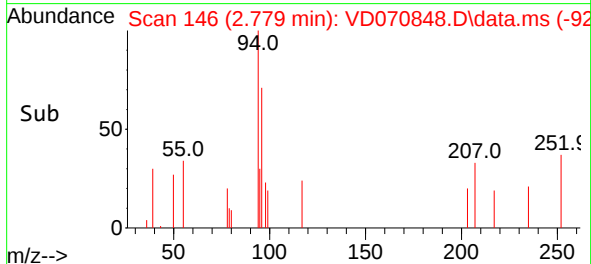
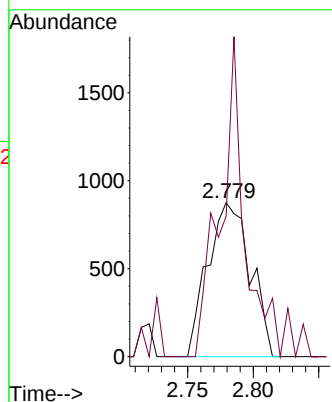
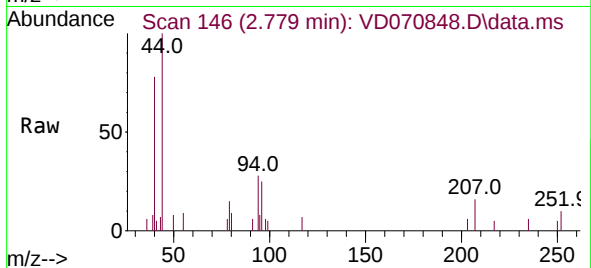




#5
Bromomethane
Concen: 2.549 ug/l
RT: 2.779 min Scan# 143
Delta R.T. 0.017 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

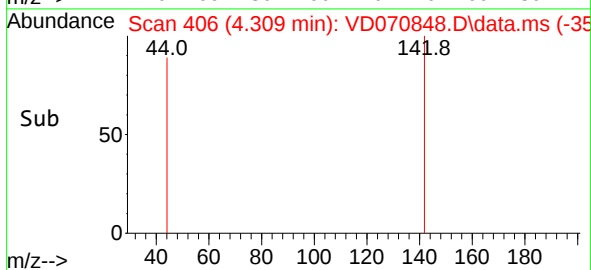
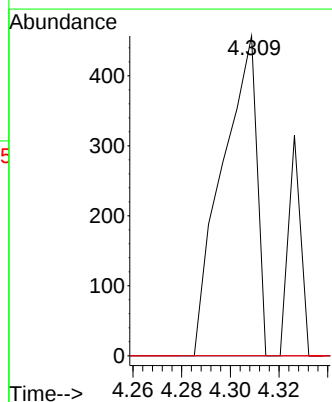
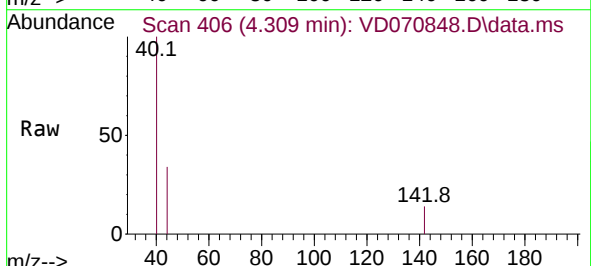
Instrument :
MSVOA_D
ClientSampleId :

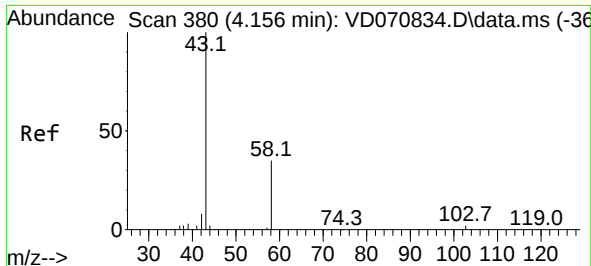
Tgt Ion: 94 Resp: 1983
Ion Ratio Lower Upper
94 100
96 91.2 74.8 112.2



#10
Methyl Iodide
Concen: 4.612 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

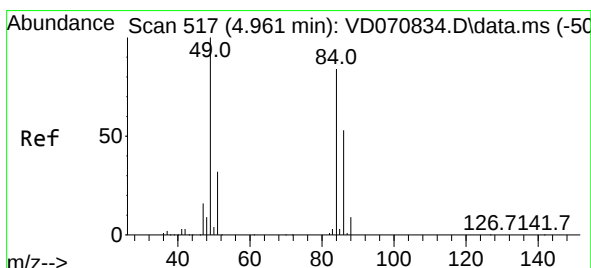
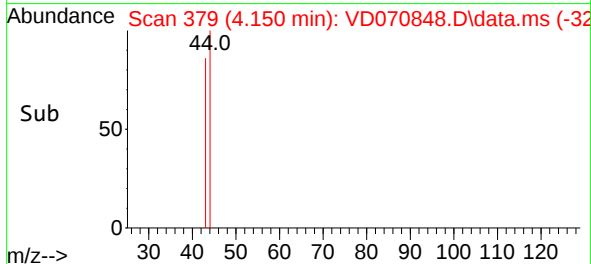
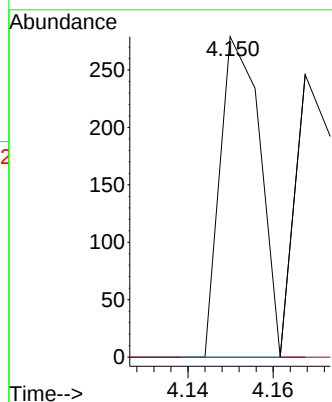
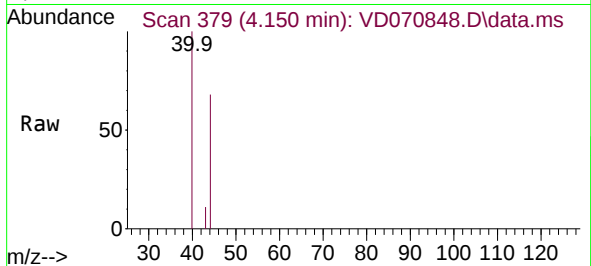




#16
Acetone
Concen: 2.249 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

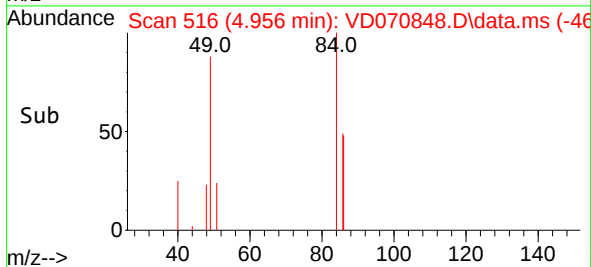
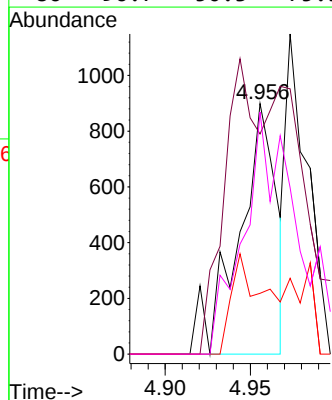
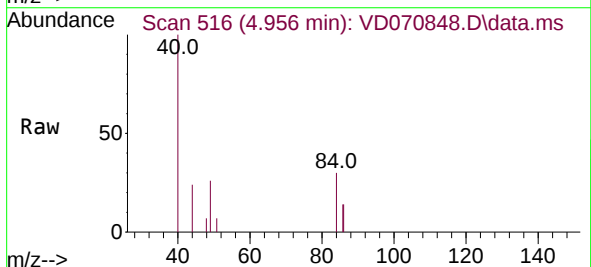
Instrument :
MSVOA_D
ClientSampleId :

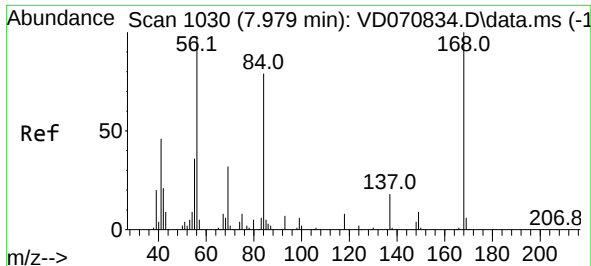
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

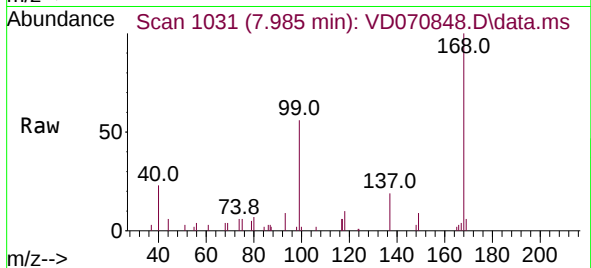
Tgt Ion: 84 Resp: 1381
Ion Ratio Lower Upper
84 100
49 87.9 95.8 143.6#
51 24.2 30.9 46.3#
86 96.7 50.3 75.5#



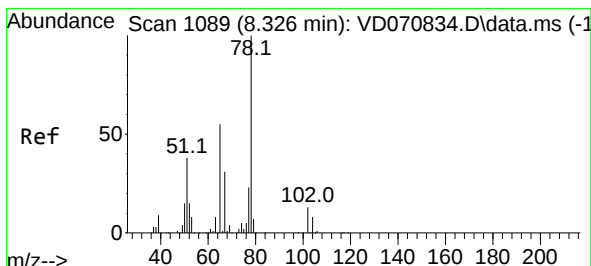
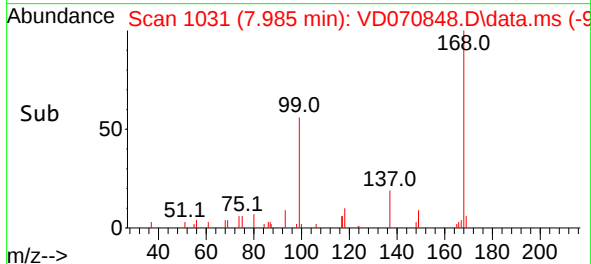
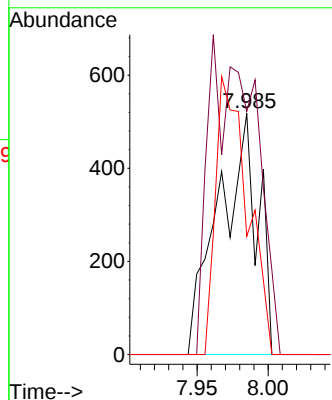


#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.985 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :

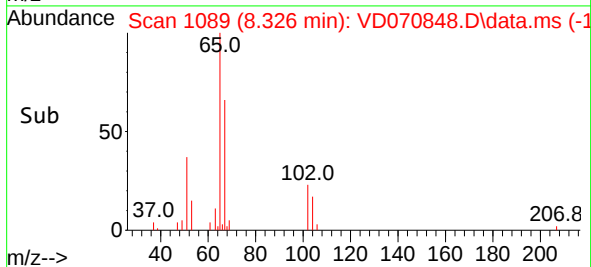
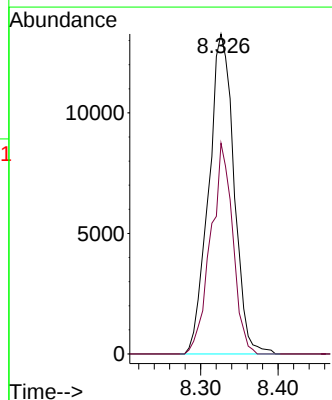
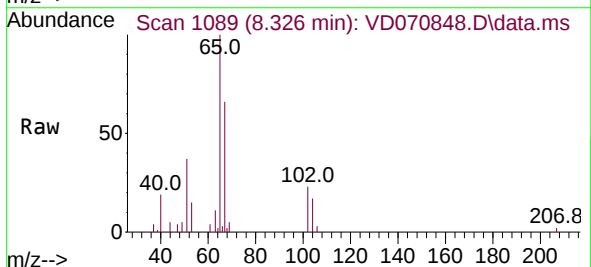


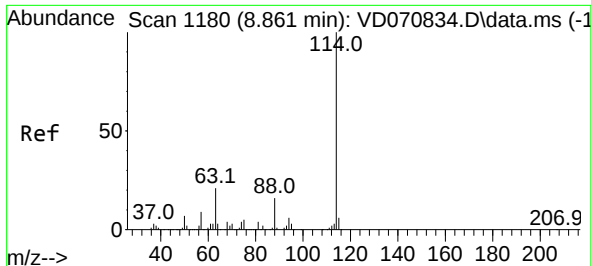
Tgt Ion: 56 Resp: 986
Ion Ratio Lower Upper
56 100
69 100.8 25.9 38.9#
84 49.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 86.866 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion: 65 Resp: 30053
Ion Ratio Lower Upper
65 100
67 57.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070848.D

Acq: 26 Oct 2021 18:57

Instrument :

MSVOA_D

ClientSampleId :

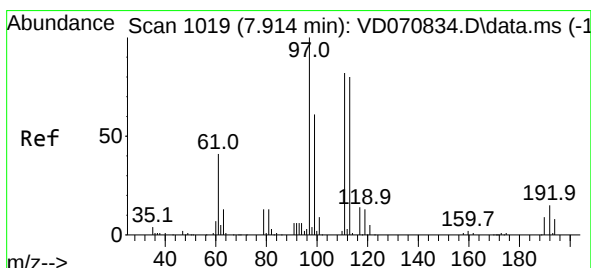
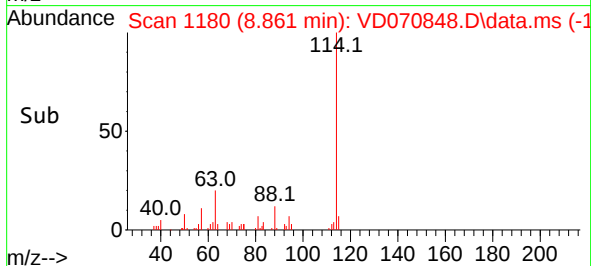
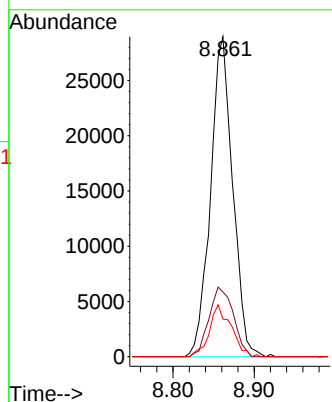
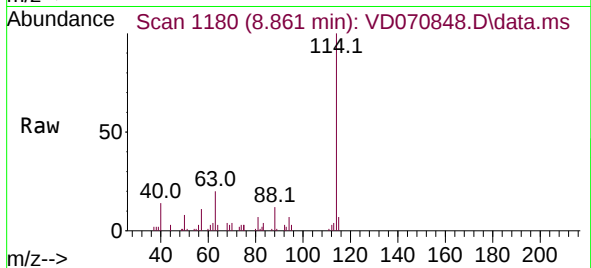
Tgt Ion:114 Resp: 54977

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

88 11.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 62.774 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070848.D

Acq: 26 Oct 2021 18:57

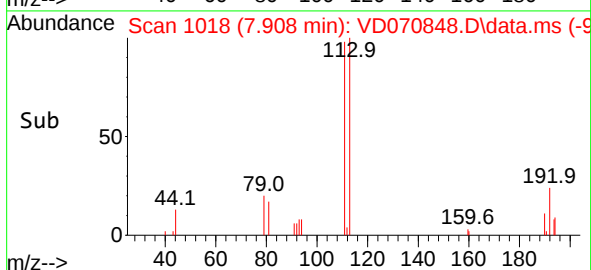
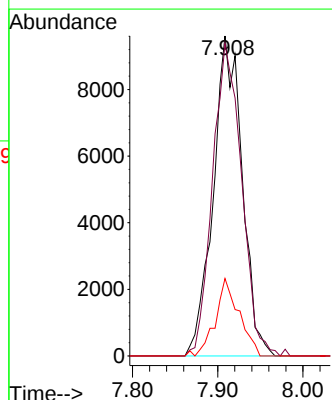
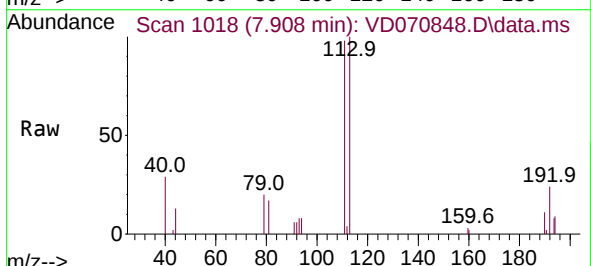
Tgt Ion:113 Resp: 22755

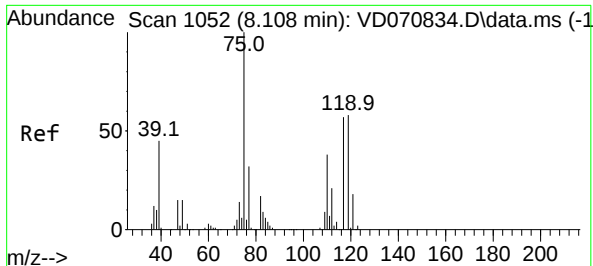
Ion Ratio Lower Upper

113 100

111 97.7 82.0 123.0

192 19.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

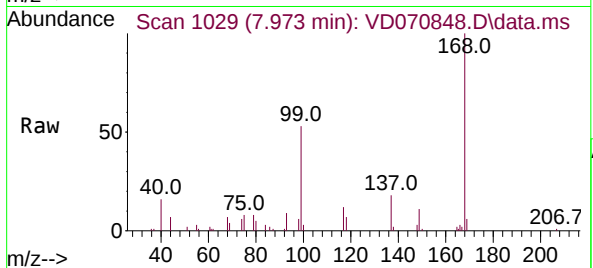
Lab File: VD070848.D

Acq: 26 Oct 2021 18:57

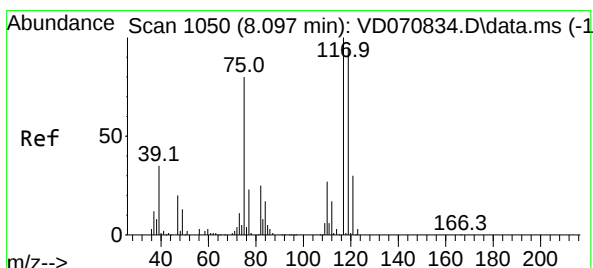
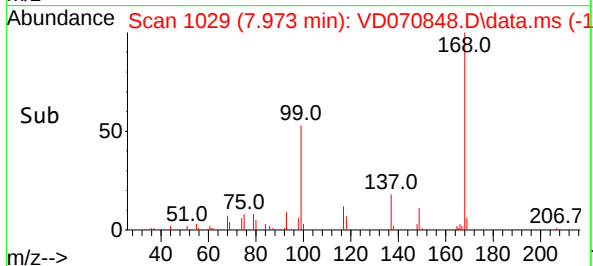
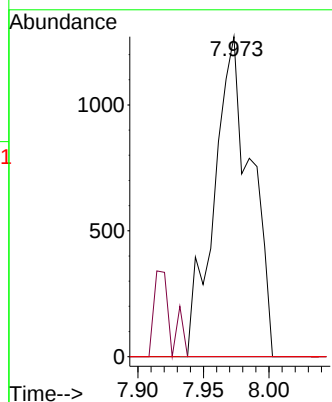
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 2487
Ion Ratio	Lower Upper
75	100
110	0.0 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.279 ug/l

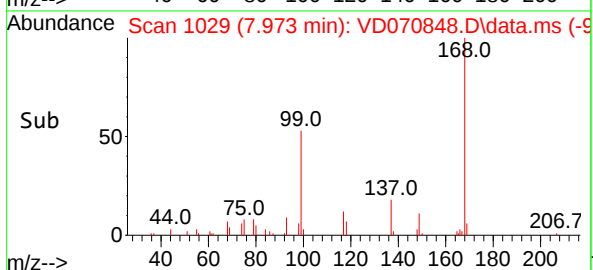
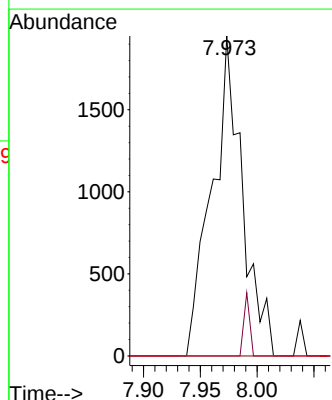
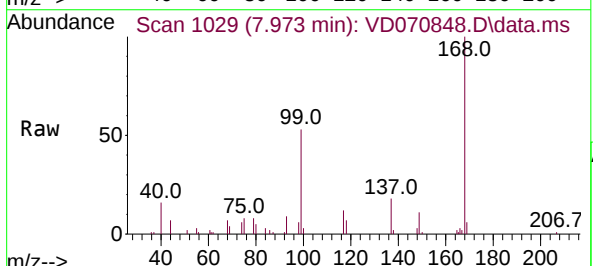
RT: 7.973 min Scan# 1029

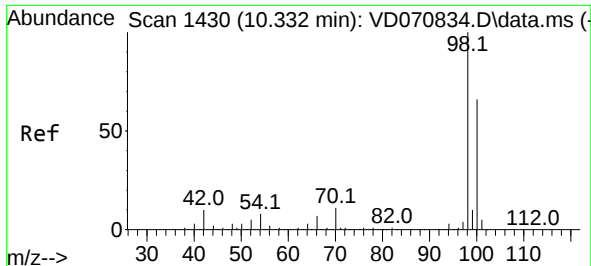
Delta R.T. -0.123 min

Lab File: VD070848.D

Acq: 26 Oct 2021 18:57

Tgt Ion: 117	Resp: 3632
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#





#50

Toluene-d8

Concen: 56.054 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD070848.D

Acq: 26 Oct 2021 18:57

Instrument :

MSVOA_D

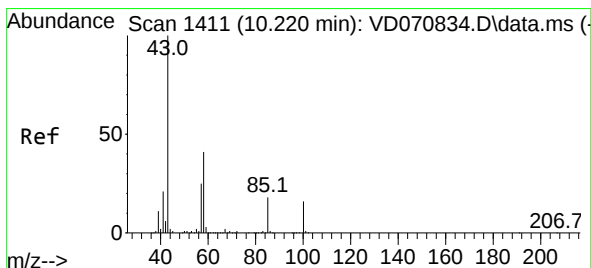
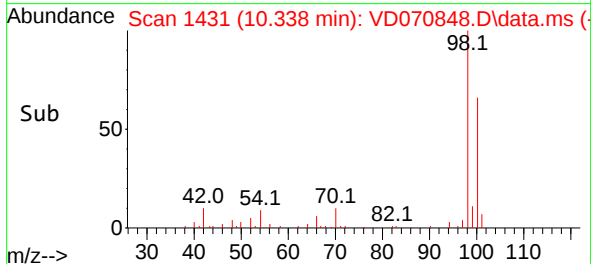
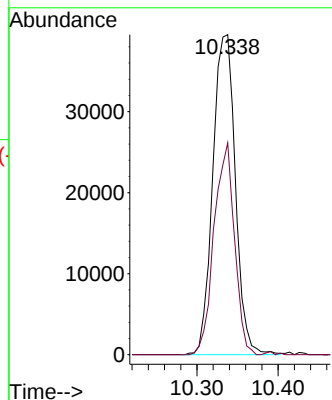
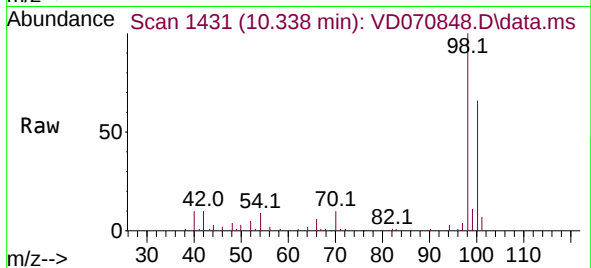
ClientSampleId :

Tgt Ion: 98 Resp: 76444

Ion Ratio Lower Upper

98 100

100 59.9 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 1.094 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.112 min

Lab File: VD070848.D

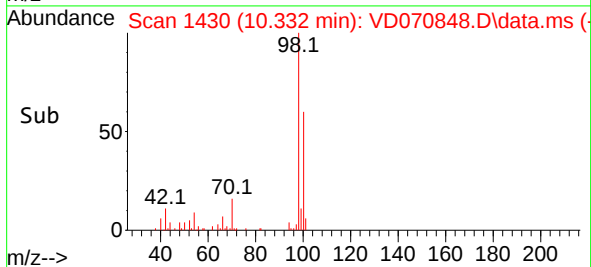
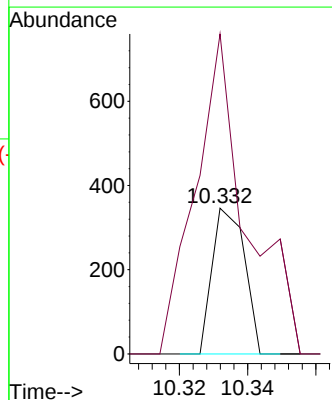
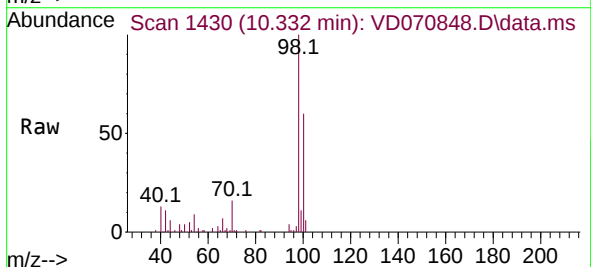
Acq: 26 Oct 2021 18:57

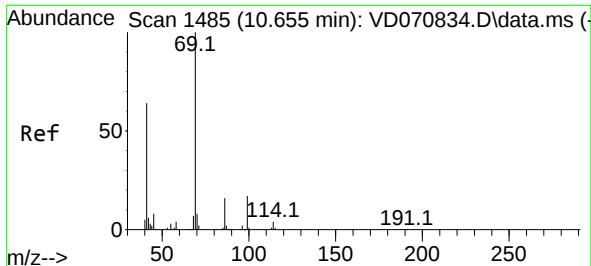
Tgt Ion: 43 Resp: 228

Ion Ratio Lower Upper

43 100

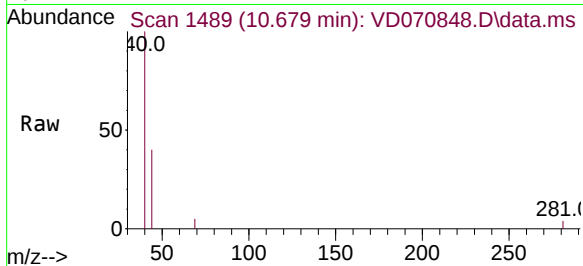
58 347.4 33.1 49.7#



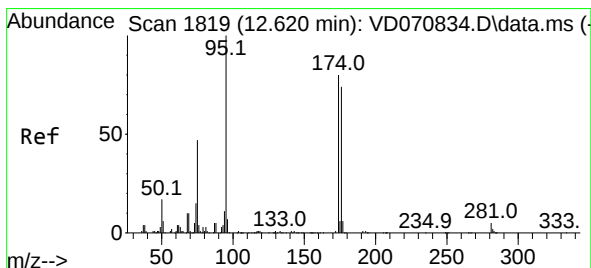
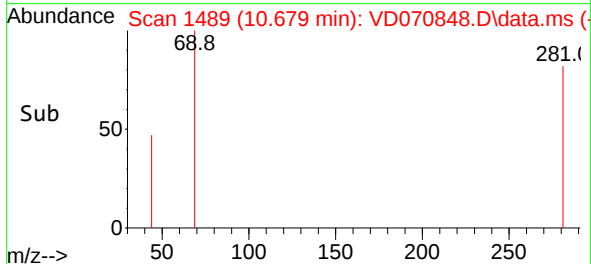
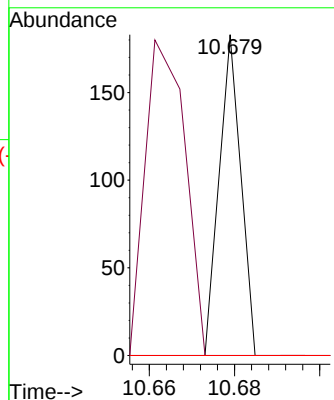


#56
Ethyl methacrylate
Concen: 3.004 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :

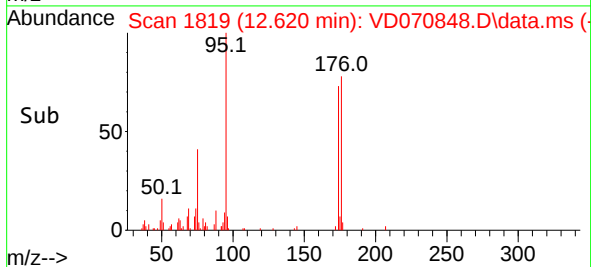
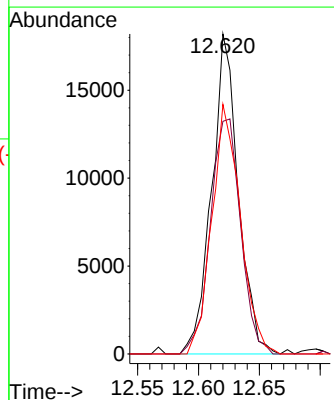
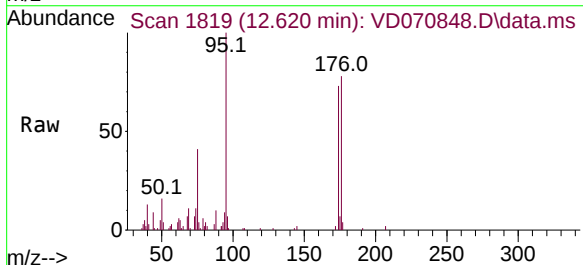


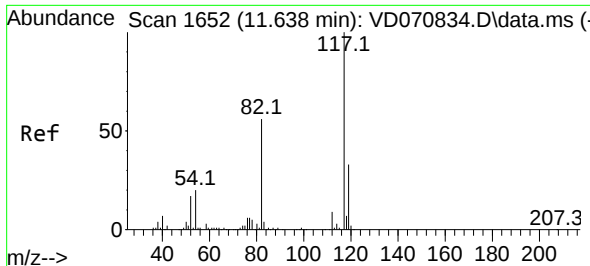
Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 180.0 50.2 75.2#
39 0.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 61.556 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion: 95 Resp: 27698
Ion Ratio Lower Upper
95 100
174 83.3 0.0 159.4
176 83.7 0.0 154.0

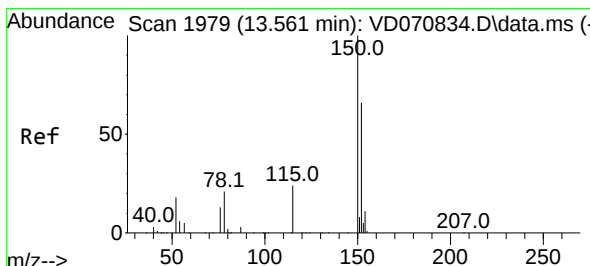
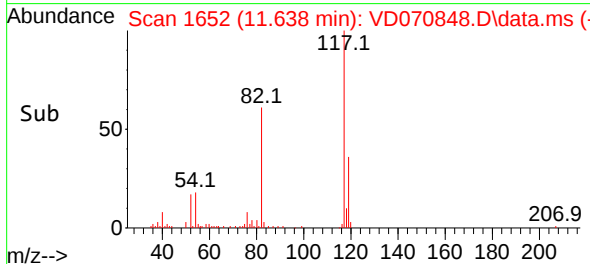
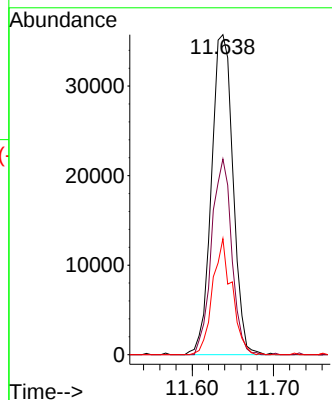
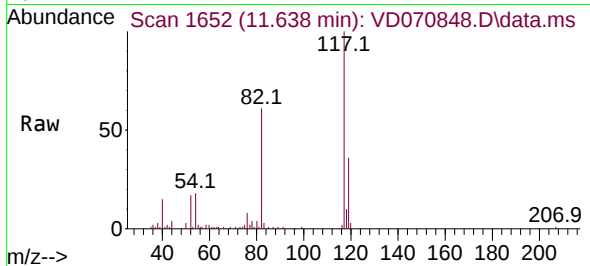




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

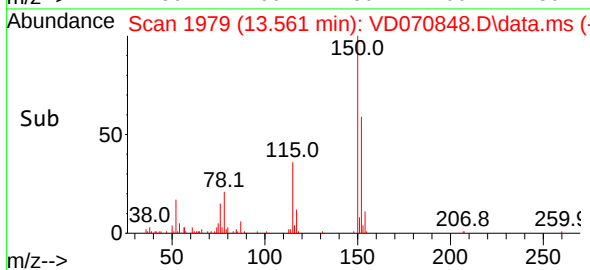
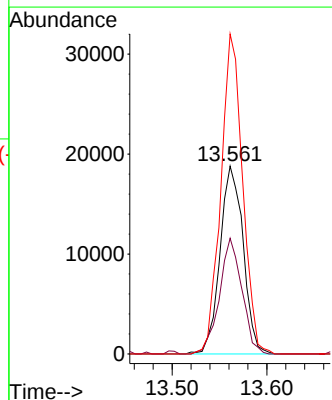
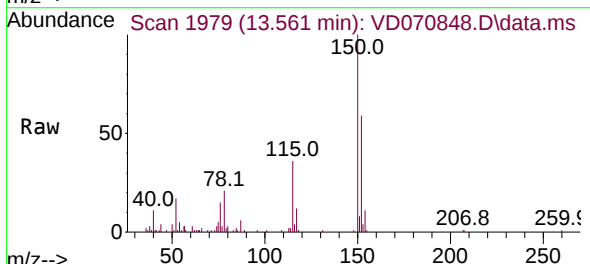
Instrument :
MSVOA_D
ClientSampleId :

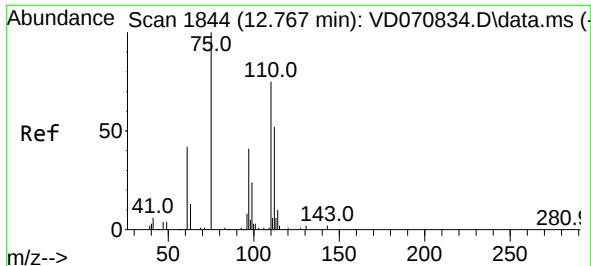
Tgt Ion:117 Resp: 65932
Ion Ratio Lower Upper
117 100
82 61.1 44.7 67.1
119 36.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion:152 Resp: 31926
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 160.6 0.0 349.2

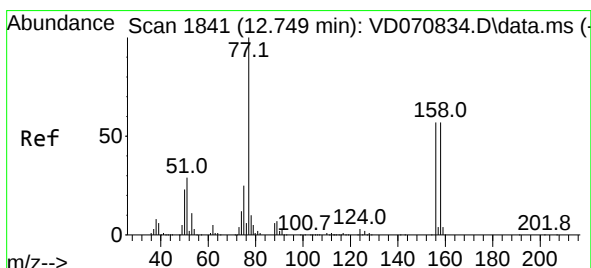
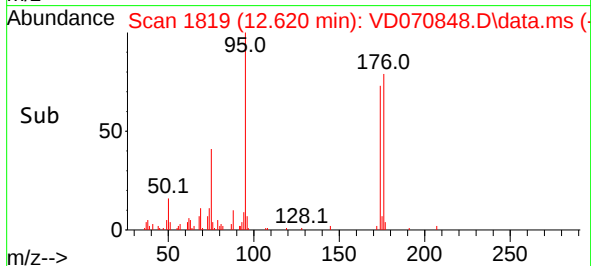
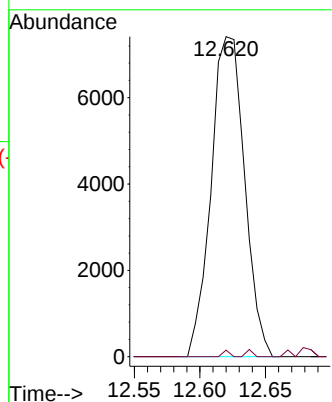
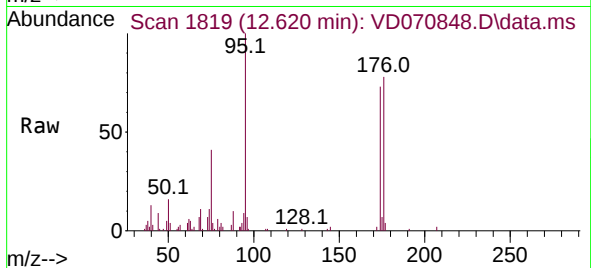




#76
1,2,3-Trichloropropane
Concen: 41.892 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

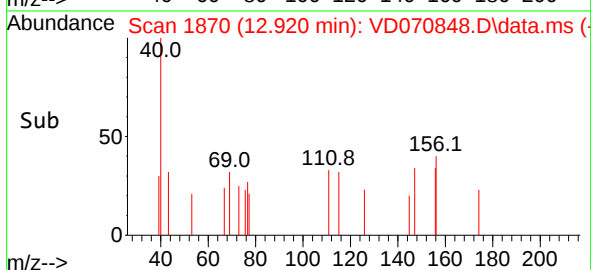
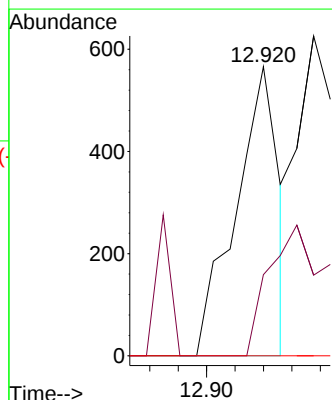
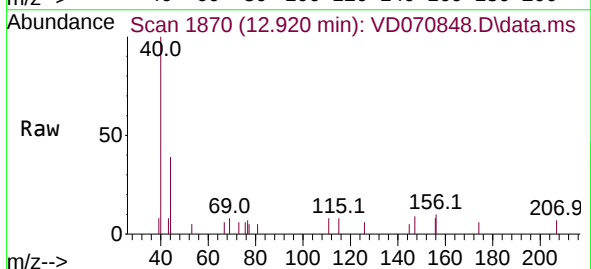
Instrument :
MSVOA_D
ClientSampleId :

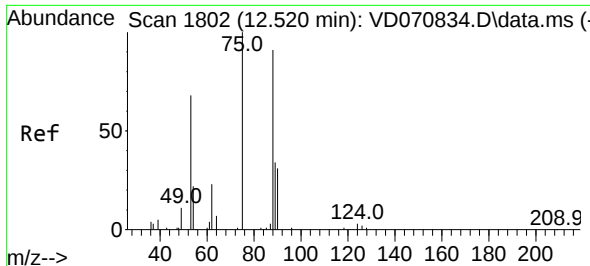
Tgt Ion: 75 Resp: 13166
Ion Ratio Lower Upper
75 100
77 0.4 158.4 475.3#



#77
Bromobenzene
Concen: 1.149 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.171 min
Lab File: VD070848.D
Acq: 26 Oct 2021 18:57

Tgt Ion: 156 Resp: 596
Ion Ratio Lower Upper
156 100
77 0.0 96.6 289.8#
158 0.0 49.1 147.4#

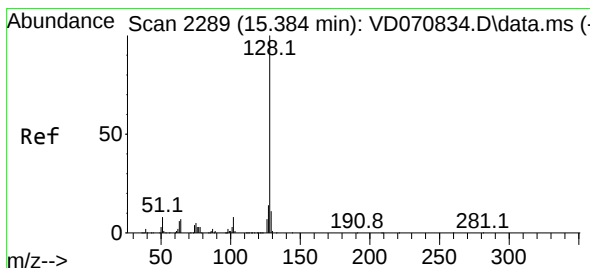
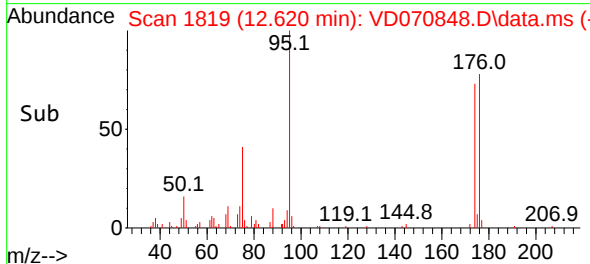
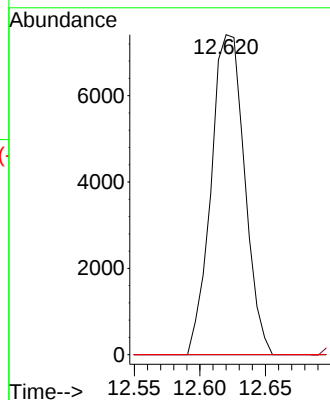
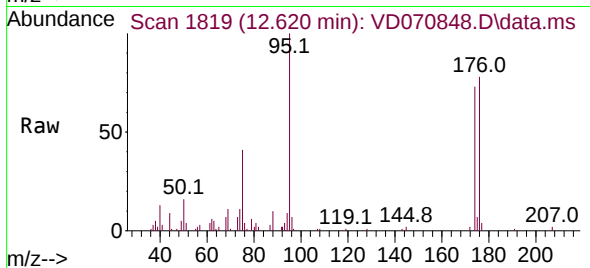




#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.952 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD070848.D
 Acq: 26 Oct 2021 18:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 13166
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.559 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.005 min
 Lab File: VD070848.D
 Acq: 26 Oct 2021 18:57

Tgt Ion:128 Resp: 475
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

