

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111724\
 Data File : VD080049.D
 Acq On : 17 Nov 2024 18:28
 Operator : RP/MD
 Sample : P4825-01
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 04:27:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

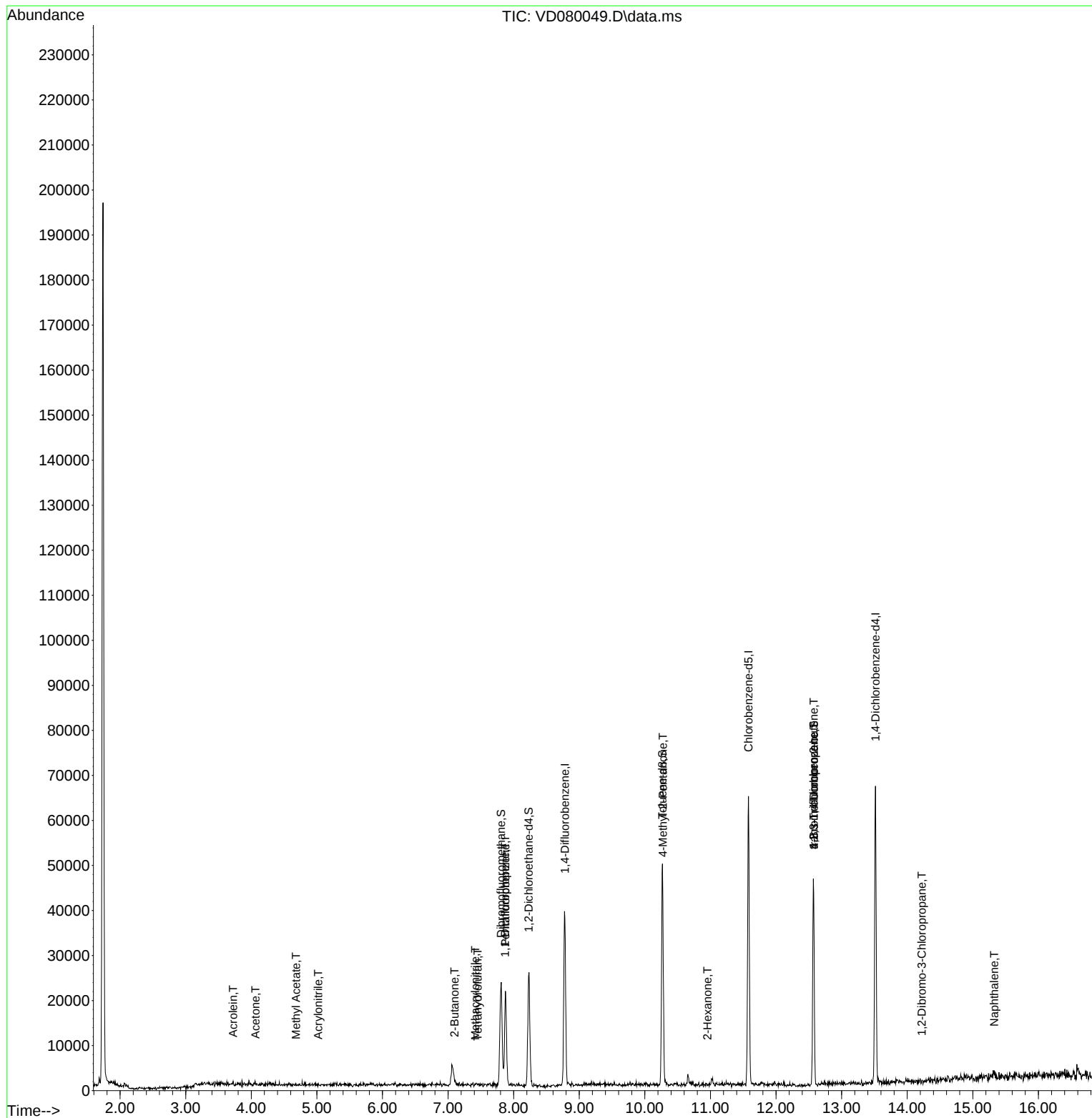
Internal Standards						
1) Pentafluorobenzene	7.875	168	15211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	33408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	37593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	18656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	20387	130.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 260.360%#	
35) Dibromofluoromethane	7.810	113	16552	74.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 148.880%#	
50) Toluene-d8	10.269	98	35904	42.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.680%	
62) 4-Bromofluorobenzene	12.575	95	15186	55.234	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.460%	
Target Compounds						Qvalue
5) Bromomethane	2.699	94	60	Below Cal	#	2
13) Acrolein	3.722	56	84	5.371	ug/l #	13
15) Acrylonitrile	5.022	53	70	2.144	ug/l #	17
16) Acetone	4.064	43	89	2.619	ug/l #	43
18) Methyl Acetate	4.681	43	121	1.606	ug/l #	49
25) 2-Butanone	7.099	43	109	2.455	ug/l #	47
29) Tetrahydrofuran	7.452	42	73	3.001	ug/l #	32
36) 1,1-Dichloropropene	7.869	75	1263	4.154	ug/l #	40
41) Methacrylonitrile	7.416	41	113	1.602	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	139	1.157	ug/l #	1
59) 2-Hexanone	10.957	43	110	1.244	ug/l #	24
76) 1,2,3-Trichloropropane	12.575	75	6617	40.167	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6617	82.208	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.222	75	54	1.544	ug/l #	2
95) Naphthalene	15.328	128	1197	2.036	ug/l #	68

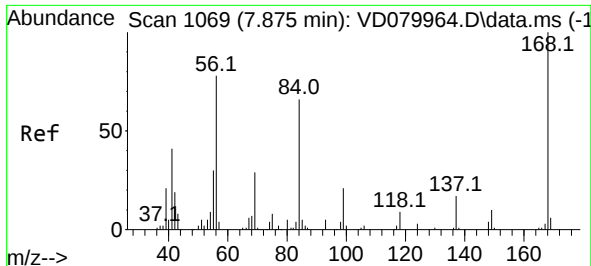
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 04:27:05 2024
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Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
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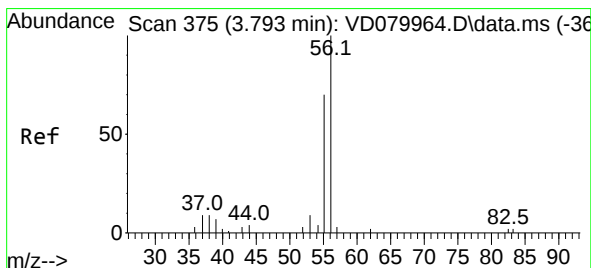
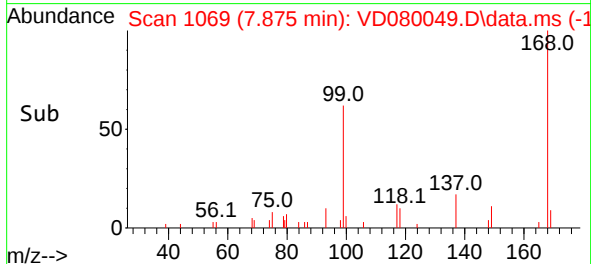
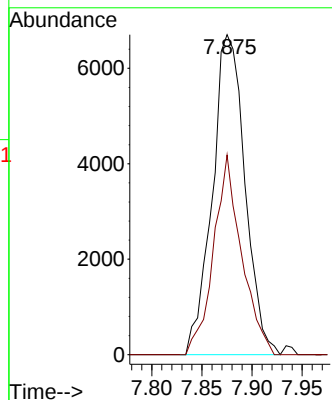
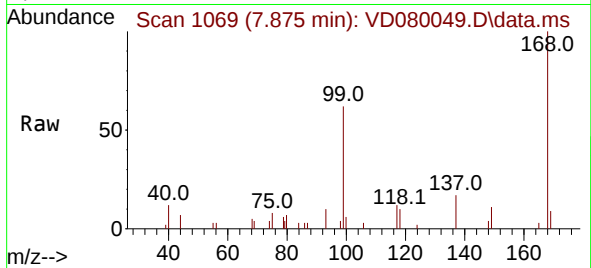




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

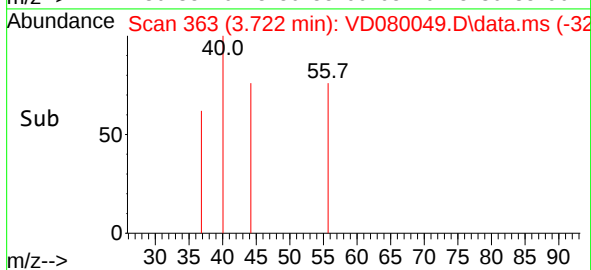
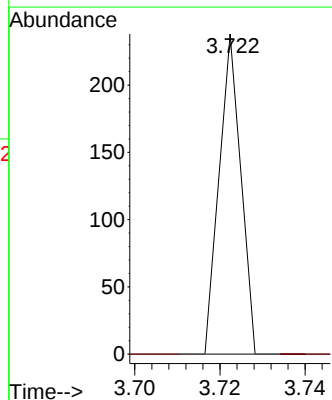
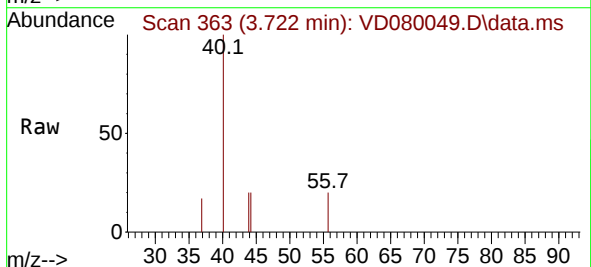
Instrument :
MSVOA_D
ClientSampleId :

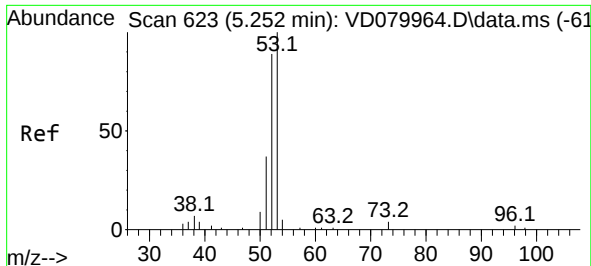
Tgt Ion:168 Resp: 15211
Ion Ratio Lower Upper
168 100
99 62.4 46.0 69.0



#13
Acrolein
Concen: 5.371 ug/l
RT: 3.722 min Scan# 363
Delta R.T. -0.071 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

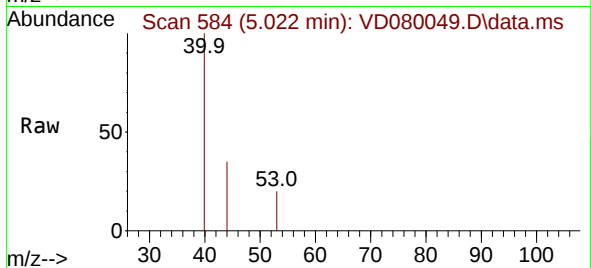
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



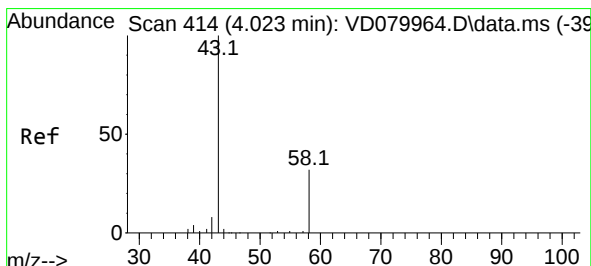
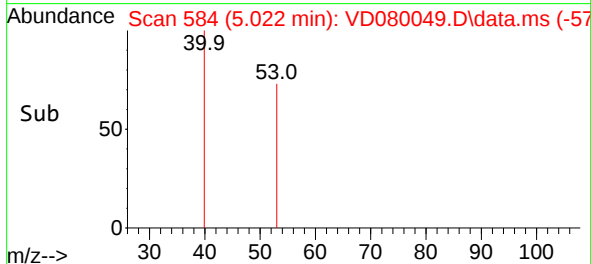
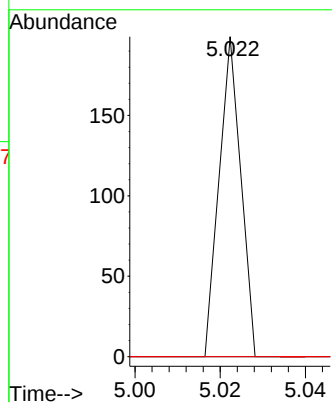


#15
Acrylonitrile
Concen: 2.144 ug/l
RT: 5.022 min Scan# 51
Delta R.T. -0.230 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :

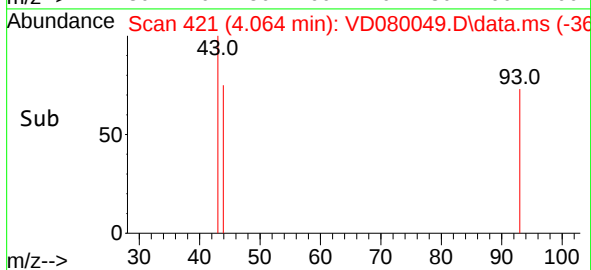
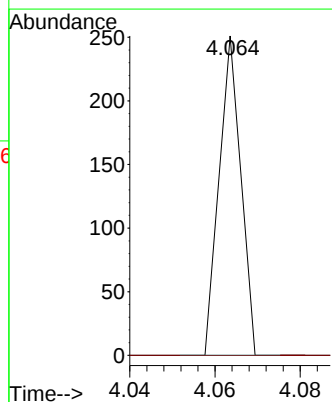
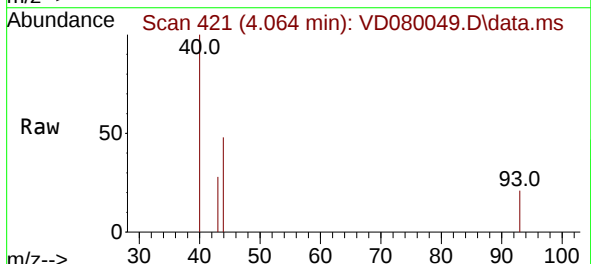


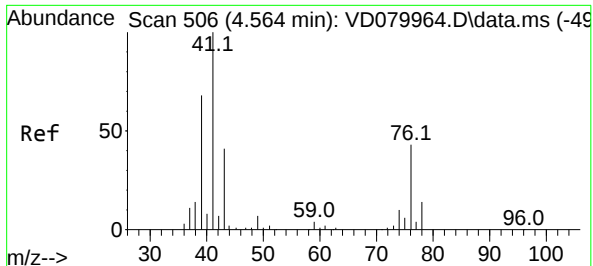
Tgt Ion: 53 Resp: 70
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 0.0 30.3 45.5#



#16
Acetone
Concen: 2.619 ug/l
RT: 4.064 min Scan# 421
Delta R.T. 0.041 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#





#18

Methyl Acetate

Concen: 1.606 ug/l

RT: 4.681 min Scan# 51

Delta R.T. 0.117 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Instrument :

MSVOA_D

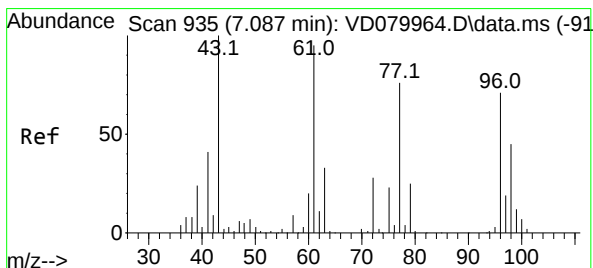
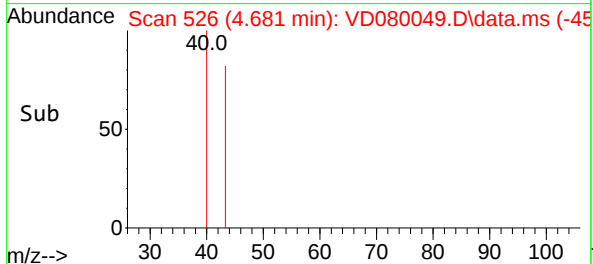
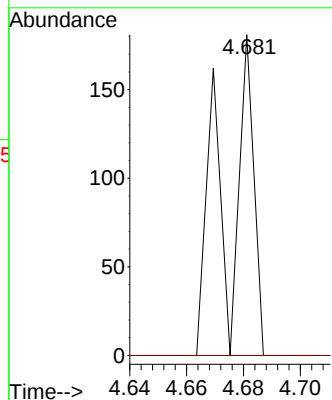
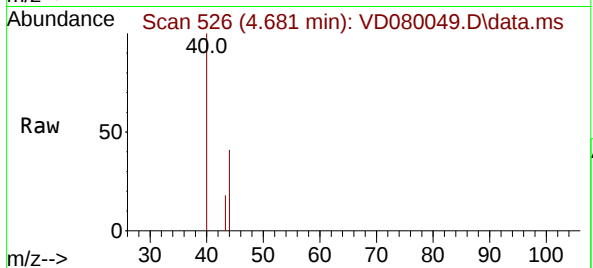
ClientSampleId :

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

74 0.0 20.5 30.7#



#25

2-Butanone

Concen: 2.455 ug/l

RT: 7.099 min Scan# 937

Delta R.T. 0.012 min

Lab File: VD080049.D

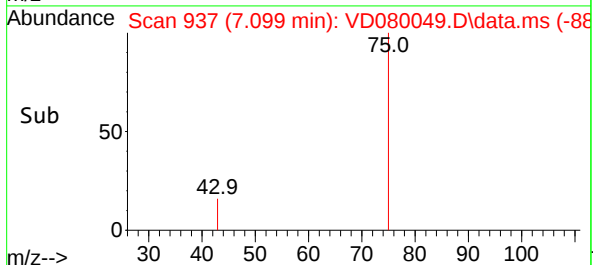
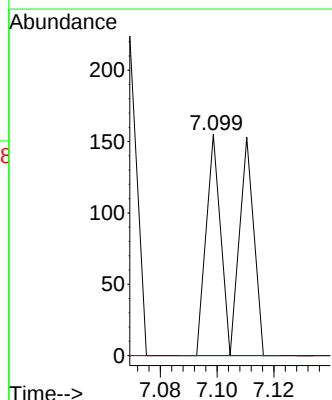
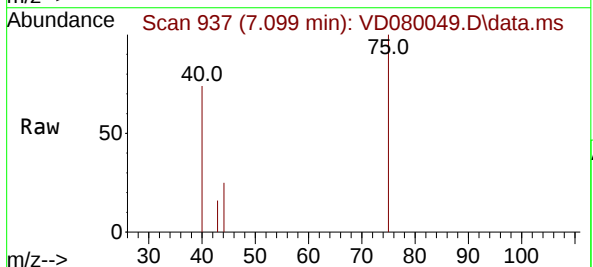
Acq: 17 Nov 2024 18:28

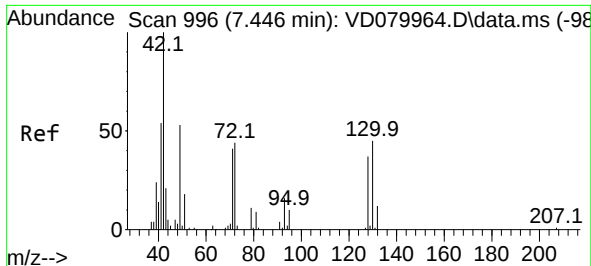
Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

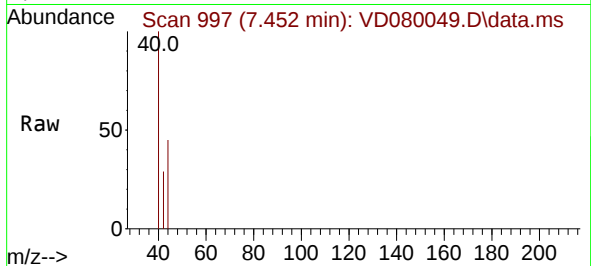
72 0.0 22.3 33.5#



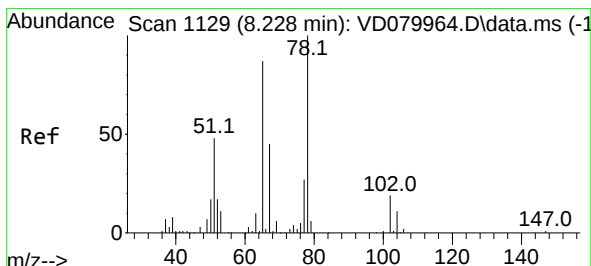
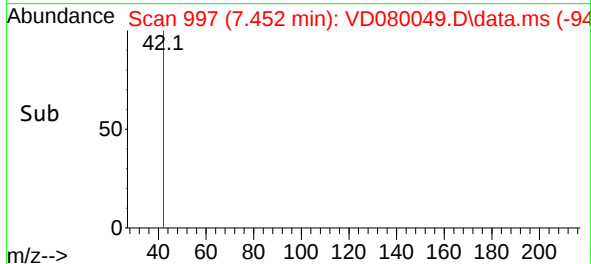
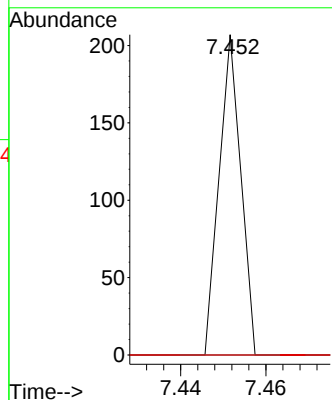


#29
Tetrahydrofuran
Concen: 3.001 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :

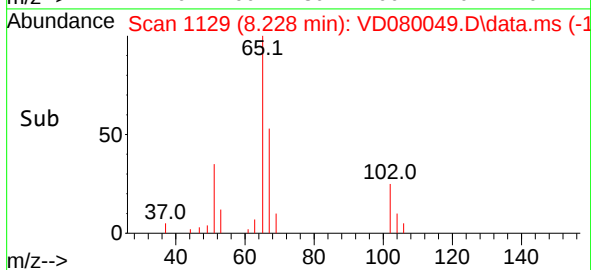
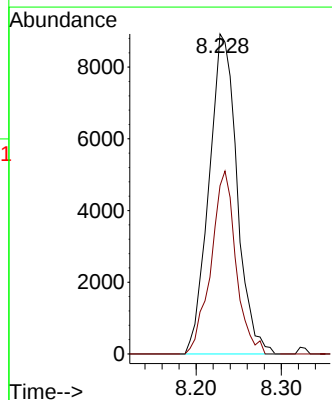
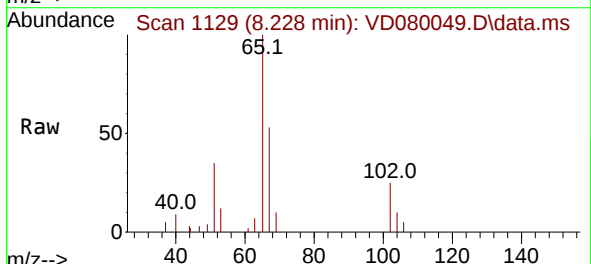


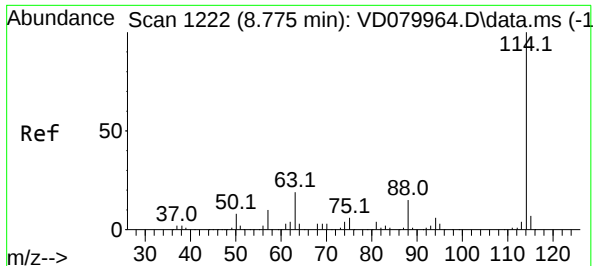
Tgt Ion: 42 Resp: 73
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 0.0 34.4 51.6#



#33
1,2-Dichloroethane-d4
Concen: 130.175 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Tgt Ion: 65 Resp: 20387
Ion Ratio Lower Upper
65 100
67 50.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

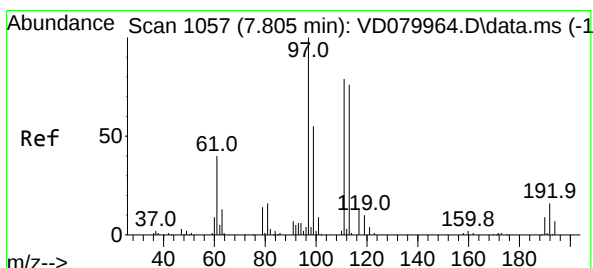
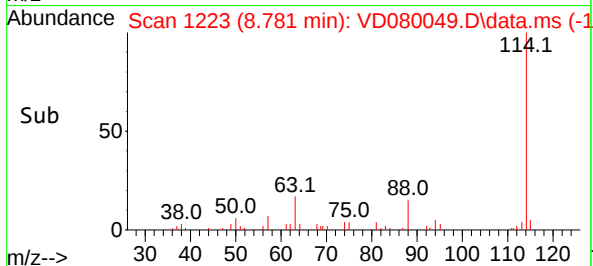
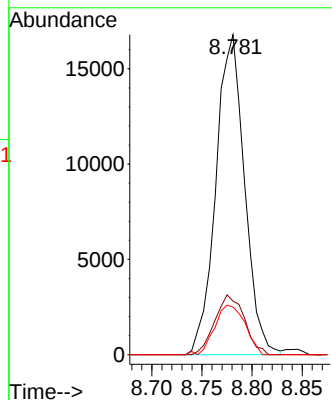
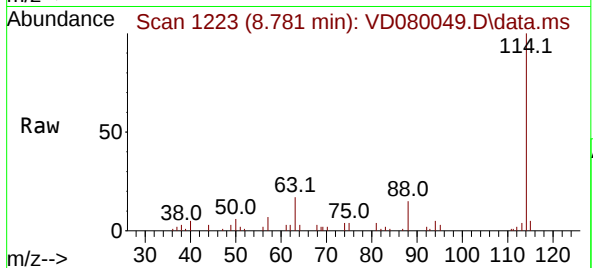
Tgt Ion:114 Resp: 33408

Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.8

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 74.444 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

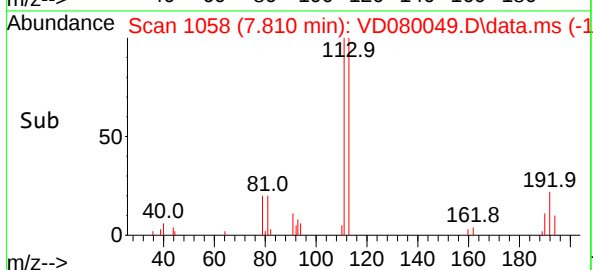
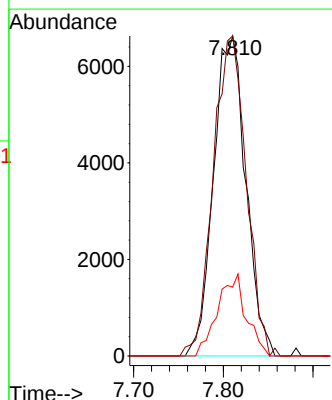
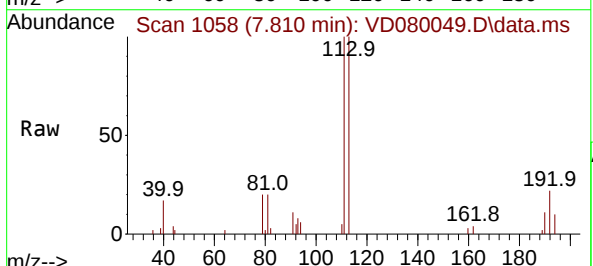
Tgt Ion:113 Resp: 16552

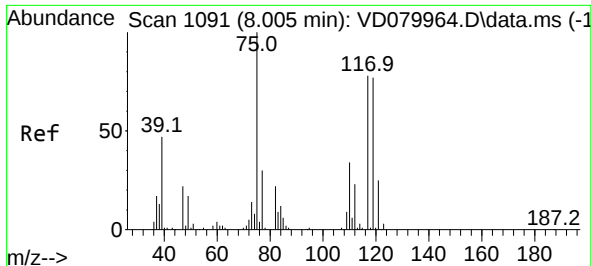
Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 22.7 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.154 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :

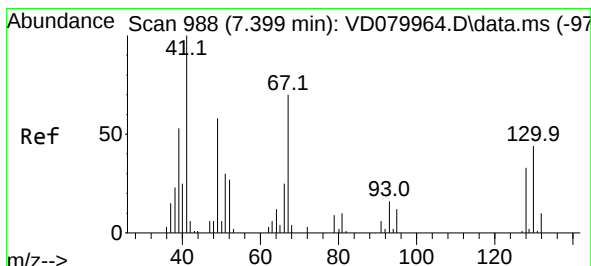
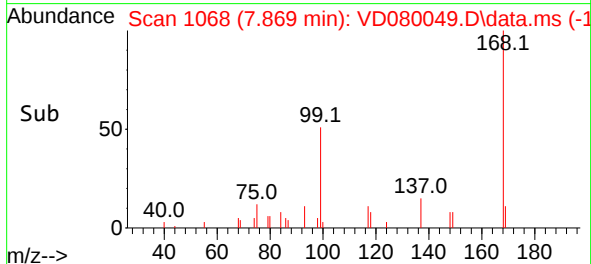
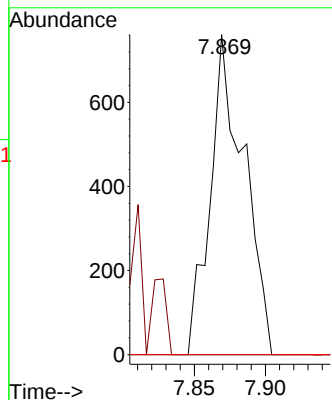
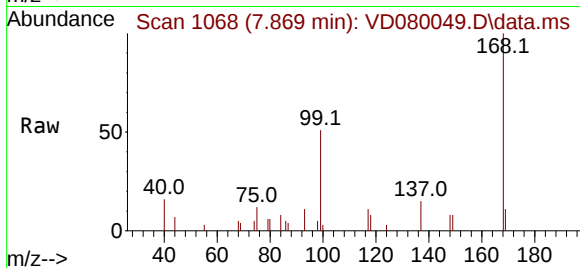
Tgt Ion: 75 Resp: 1263

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.0#

77 0.0 25.6 38.4#



#41

Methacrylonitrile

Concen: 1.602 ug/l

RT: 7.416 min Scan# 991

Delta R.T. 0.017 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Tgt Ion: 41 Resp: 113

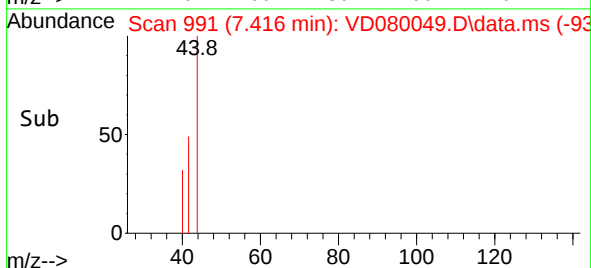
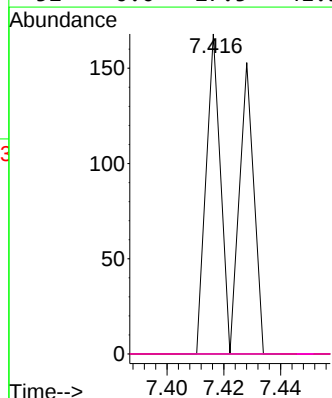
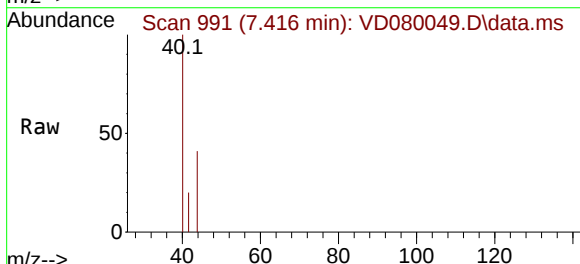
Ion Ratio Lower Upper

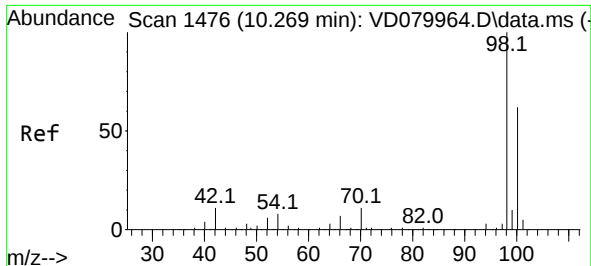
41 100

39 0.0 47.8 71.8#

67 0.0 64.9 97.3#

52 0.0 27.5 41.3#





#50

Toluene-d8

Concen: 42.845 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Instrument :

MSVOA_D

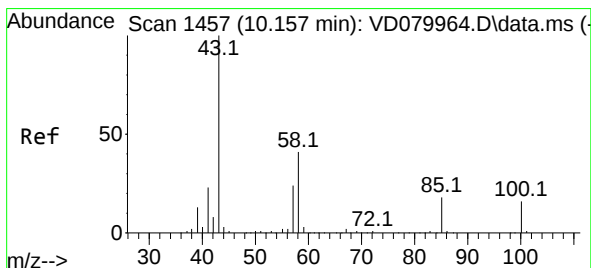
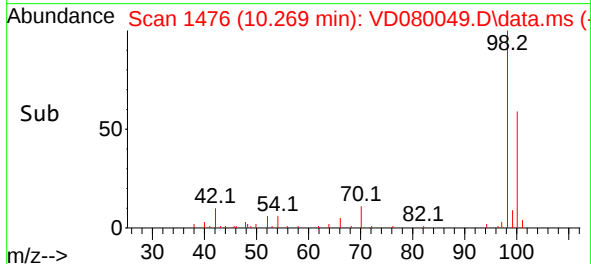
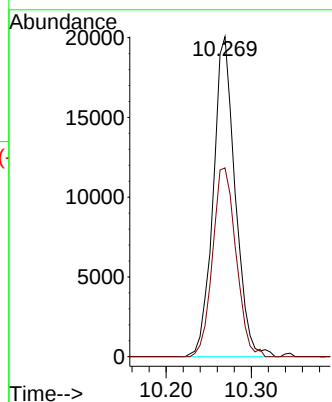
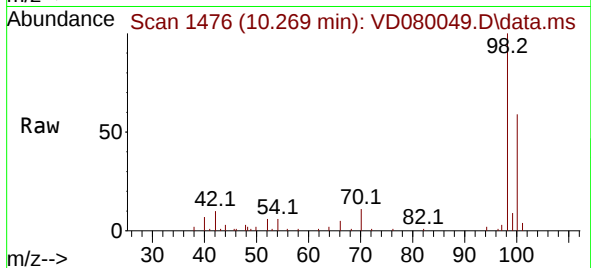
ClientSampleId :

Tgt Ion: 98 Resp: 35904

Ion Ratio Lower Upper

98 100

100 62.8 50.2 75.4



#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.118 min

Lab File: VD080049.D

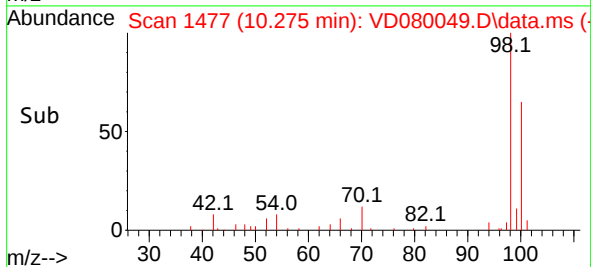
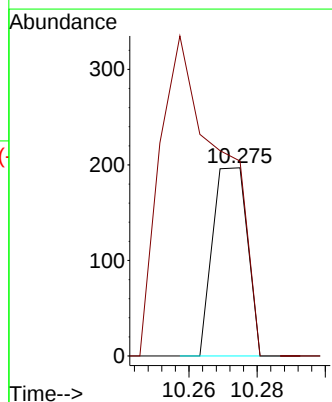
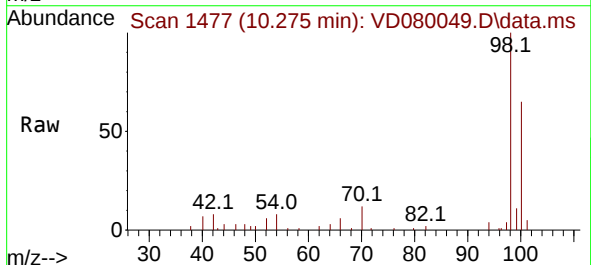
Acq: 17 Nov 2024 18:28

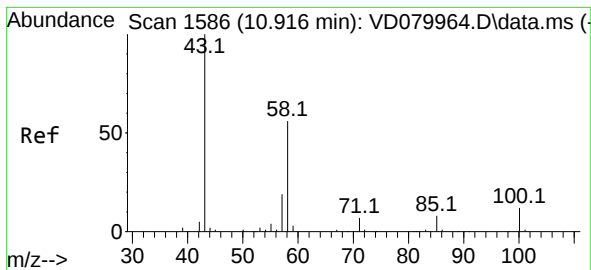
Tgt Ion: 43 Resp: 139

Ion Ratio Lower Upper

43 100

58 307.2 32.8 49.2#

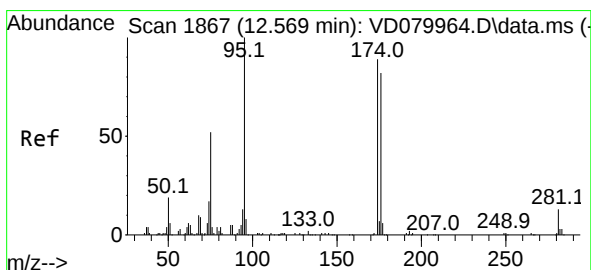
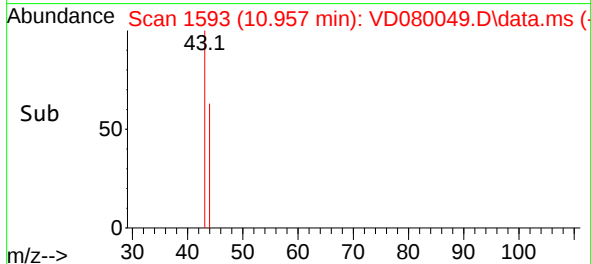
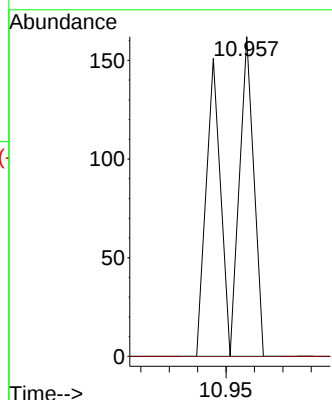
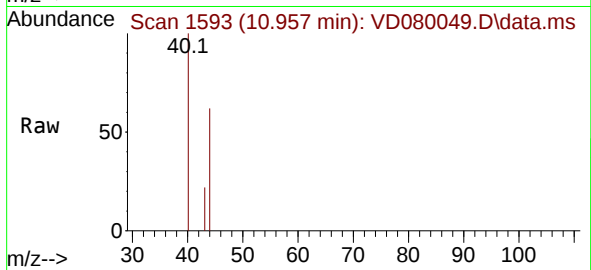




#59
2-Hexanone
Concen: 1.244 ug/l
RT: 10.957 min Scan# 11
Delta R.T. 0.041 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

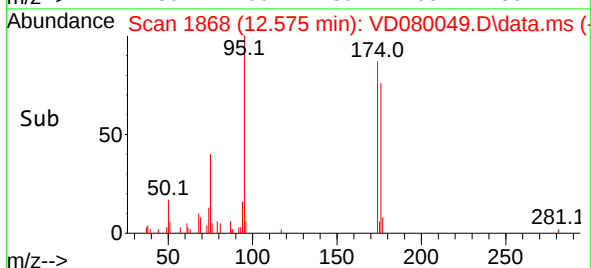
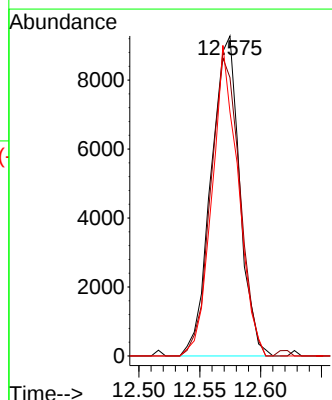
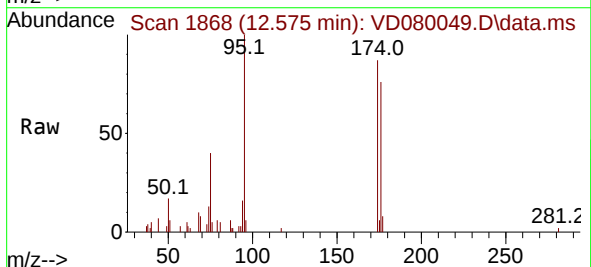
Instrument :
MSVOA_D
ClientSampleId :

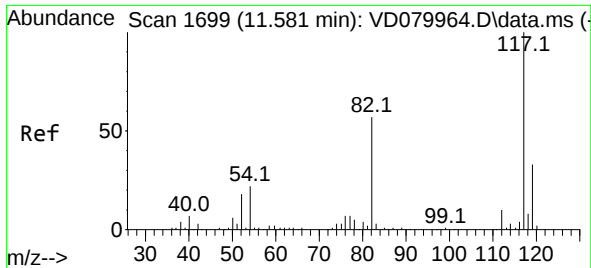
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 55.234 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Tgt Ion: 95 Resp: 15186
Ion Ratio Lower Upper
95 100
174 94.9 0.0 173.4
176 88.3 0.0 166.6

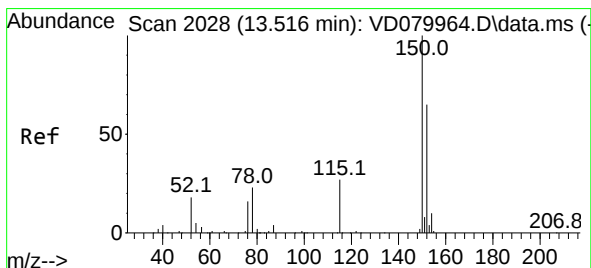
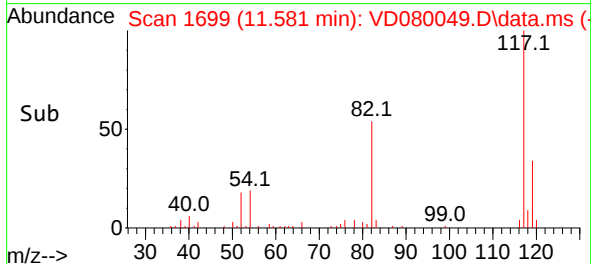
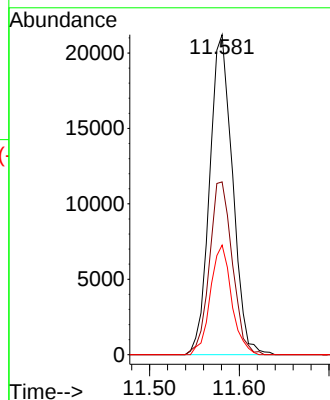
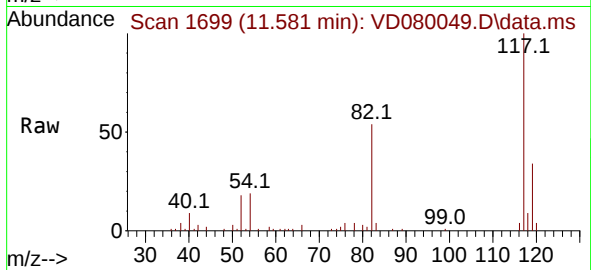




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

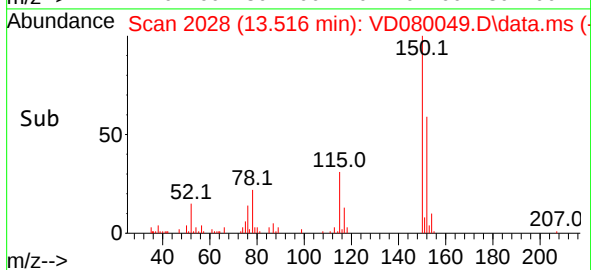
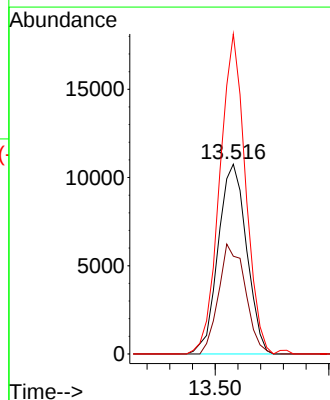
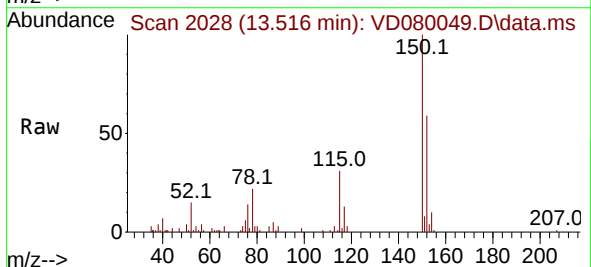
Instrument :
MSVOA_D
ClientSampleId :

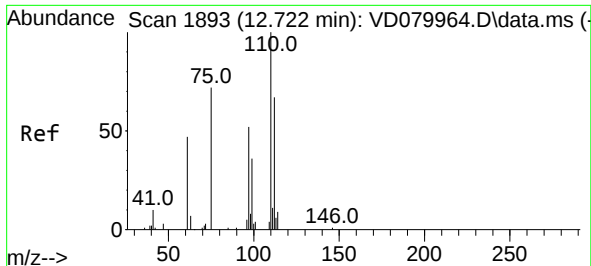
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.8	68.6
119	34.3	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.9	86.8
150	153.7	0.0	354.8

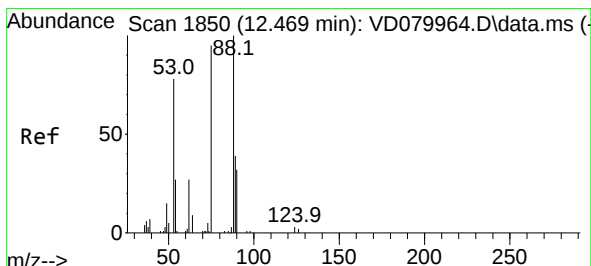
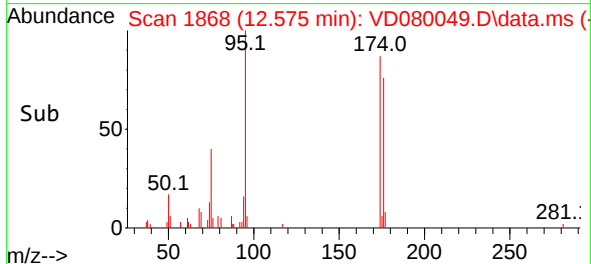
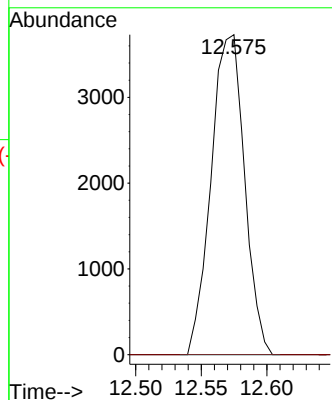
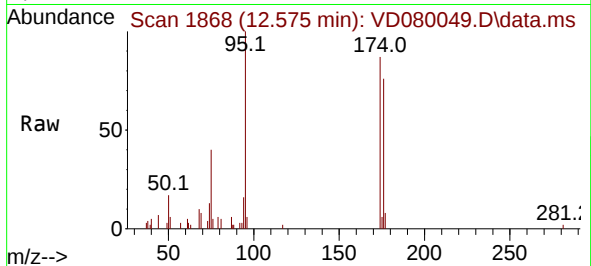




#76
1,2,3-Trichloropropane
Concen: 40.167 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

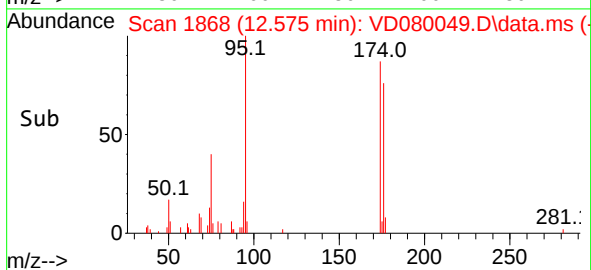
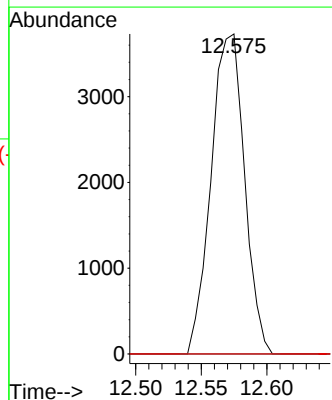
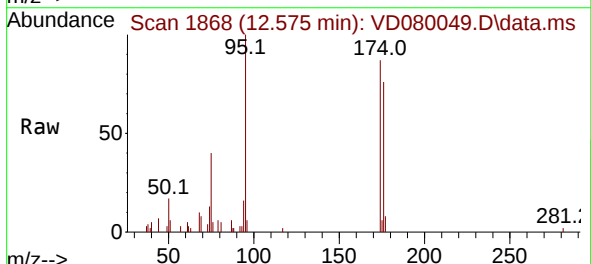
Instrument :
MSVOA_D
ClientSampleId :

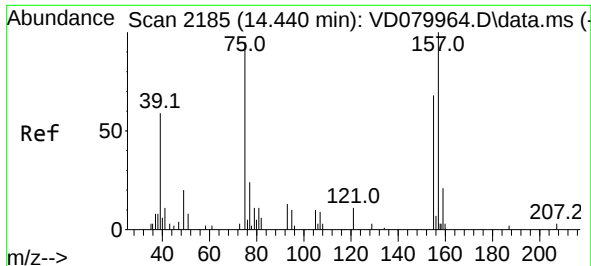
Tgt Ion: 75 Resp: 6617
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 82.208 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080049.D
Acq: 17 Nov 2024 18:28

Tgt Ion: 75 Resp: 6617
Ion Ratio Lower Upper
75 100
53 0.0 68.7 103.1#
89 0.0 36.1 54.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.544 ug/l

RT: 14.222 min Scan# 2148

Delta R.T. -0.218 min

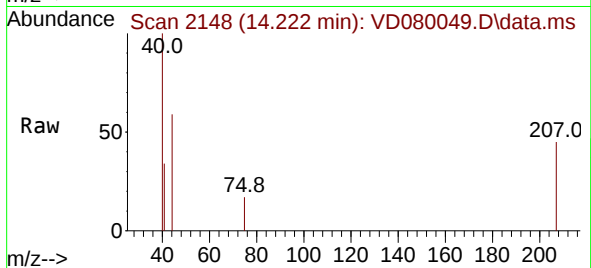
Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Instrument :

MSVOA_D

ClientSampleId :



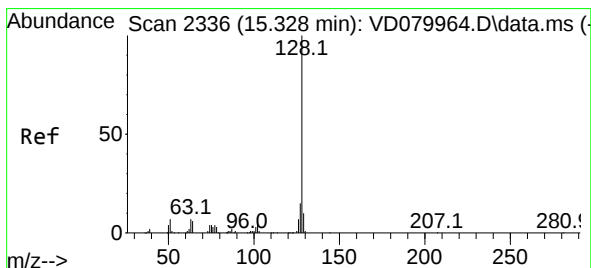
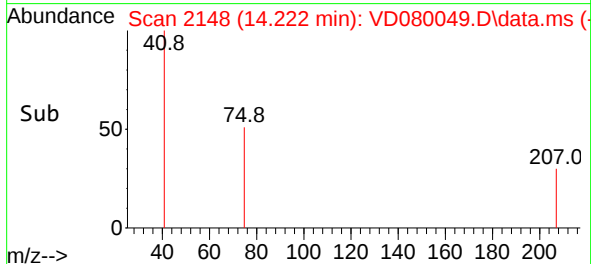
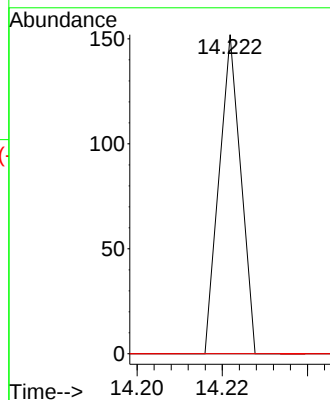
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 40.6 122.0#

157 0.0 53.3 159.9#



#95

Naphthalene

Concen: 2.036 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD080049.D

Acq: 17 Nov 2024 18:28

Tgt Ion: 128 Resp: 1197

Ion Ratio Lower Upper

128 100

127 0.0 11.8 17.8#

129 0.0 8.3 12.5#

