

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075359.D
 Acq On : 17 Feb 2023 16:49
 Operator : KP/SY
 Sample : 01610-01
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CF-1

Quant Time: Feb 18 01:07:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

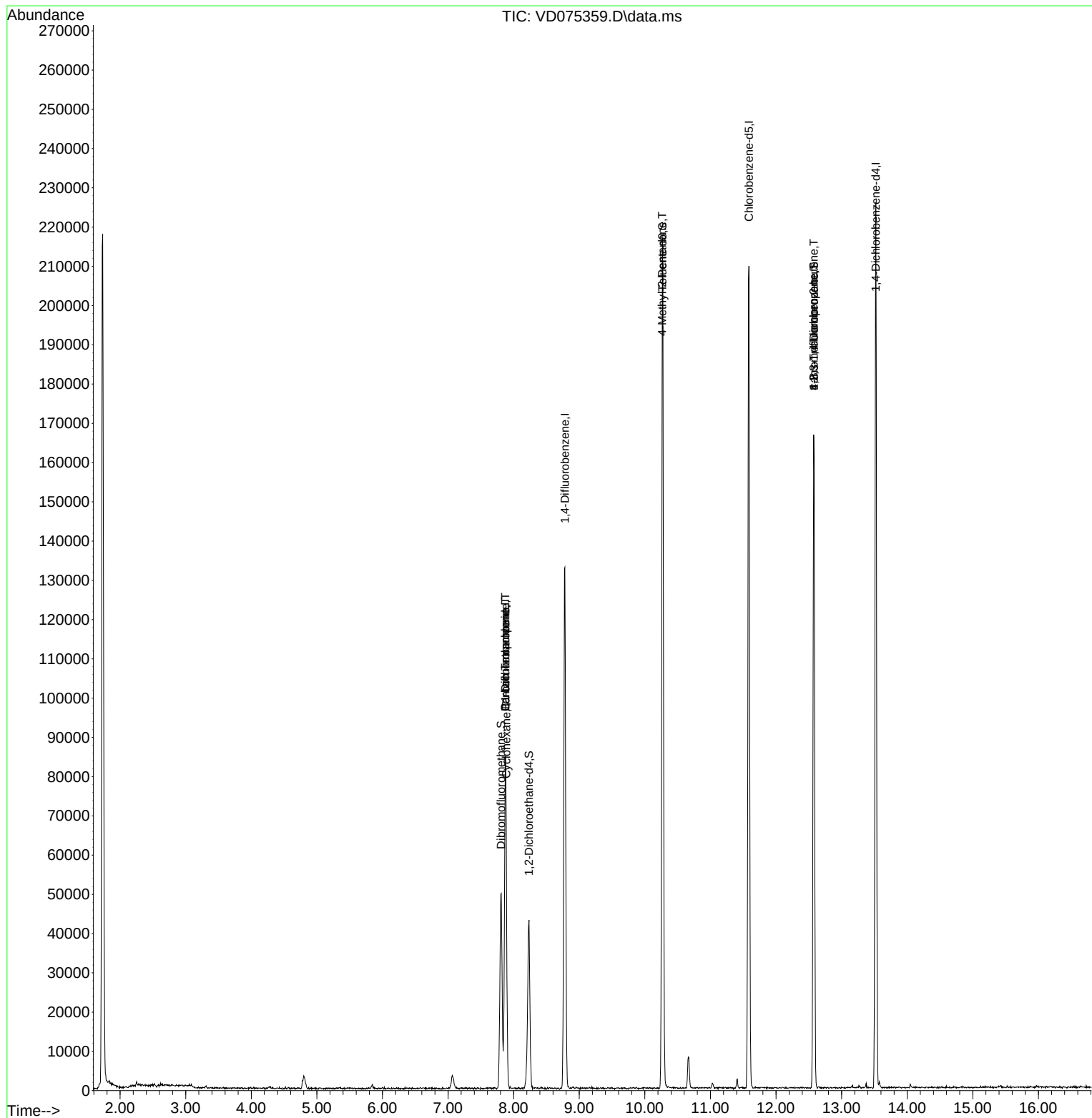
Internal Standards						
1) Pentafluorobenzene	7.875	168	62706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	110545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	115799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	56377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	32643	44.395	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.800%
35) Dibromofluoromethane	7.810	113	35459	45.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.500%
50) Toluene-d8	10.269	98	141639	48.183	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.575	95	50839	52.449	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.900%
Target Compounds						
3) Chloromethane	2.146	50	115	Below Cal	#	41
20) Methylene Chloride	4.799	84	2166	Below Cal		94
31) Cyclohexane	7.887	56	1564	1.198	ug/l #	51
36) 1,1-Dichloropropene	7.875	75	5260	4.356	ug/l #	46
38) Carbon Tetrachloride	7.875	117	6800	6.077	ug/l #	14
51) 4-Methyl-2-Pentanone	10.263	43	770	1.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27443	42.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27443	135.376	ug/l #	14

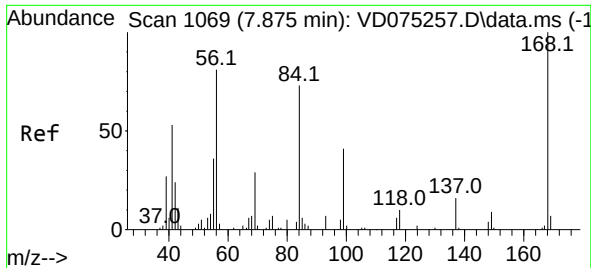
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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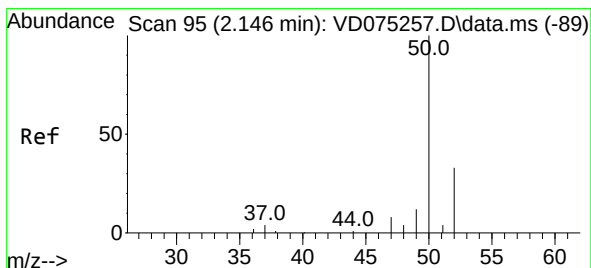
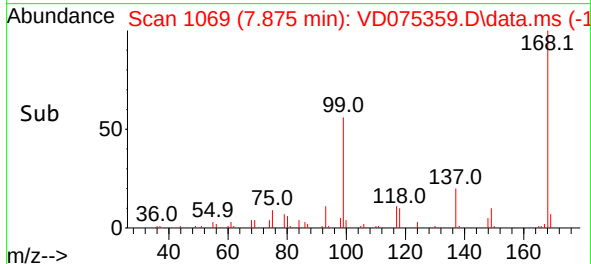
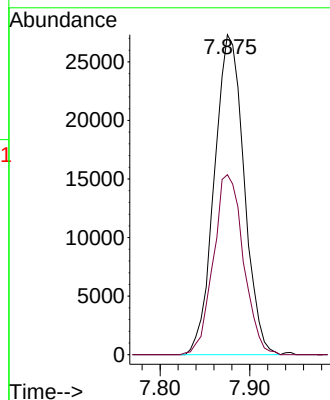
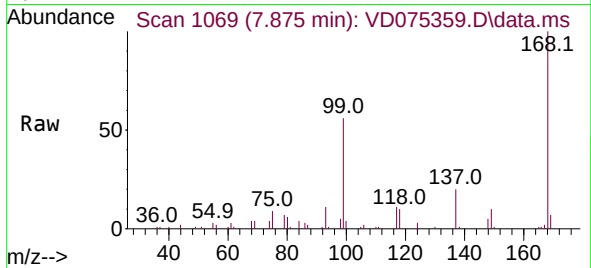




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

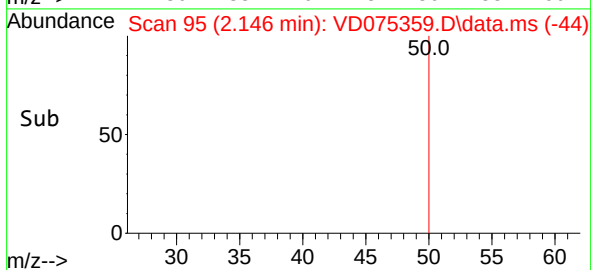
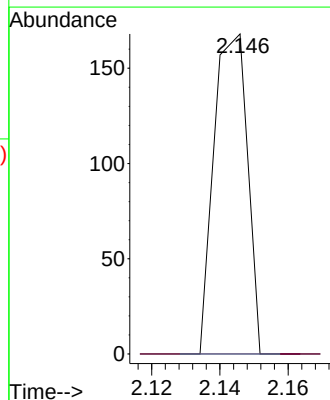
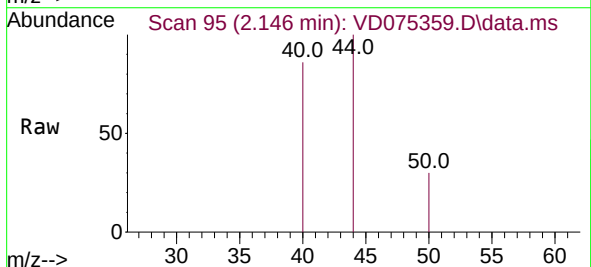
Instrument :
MSVOA_D
ClientSampleId :
CF-1

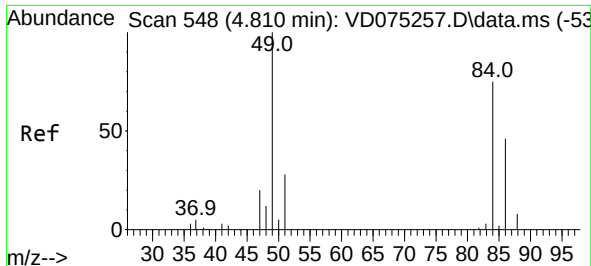
Tgt Ion:168 Resp: 62706
Ion Ratio Lower Upper
168 100
99 56.2 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

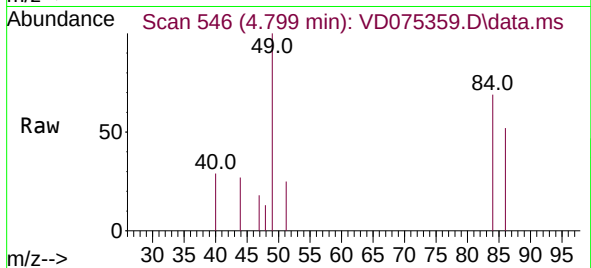
Tgt Ion: 50 Resp: 115
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



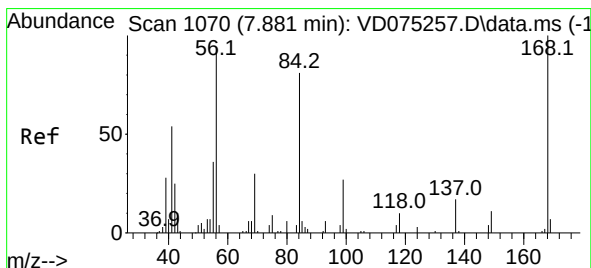
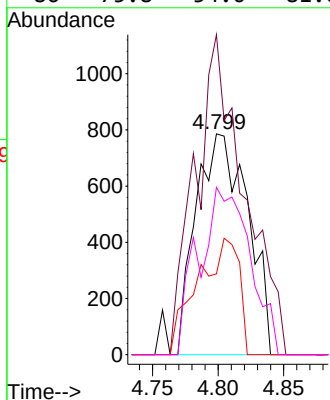
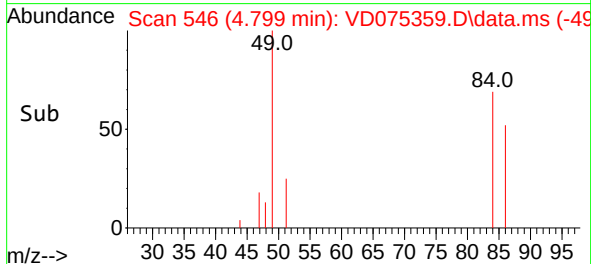


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.011 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

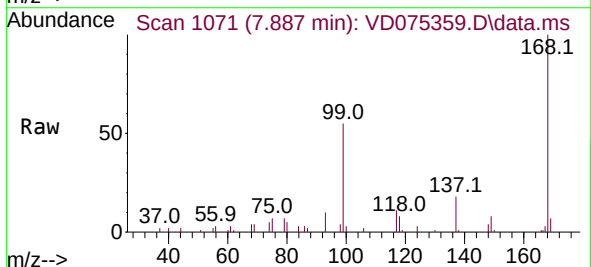
Instrument :
MSVOA_D
ClientSampleId :
CF-1



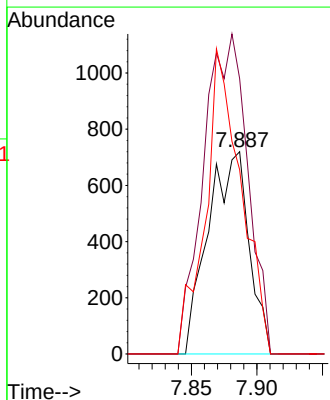
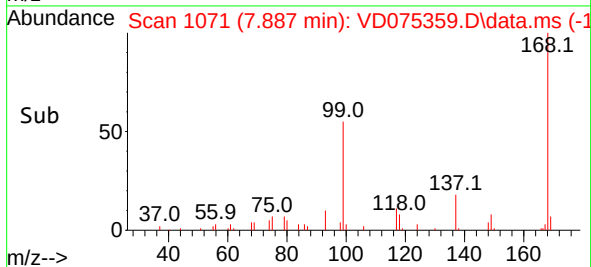
Tgt Ion:	84	Resp:	2166
Ion	Ratio	Lower	Upper
84	100		
49	116.4	97.0	145.6
51	36.6	30.9	46.3
86	75.8	54.0	81.0

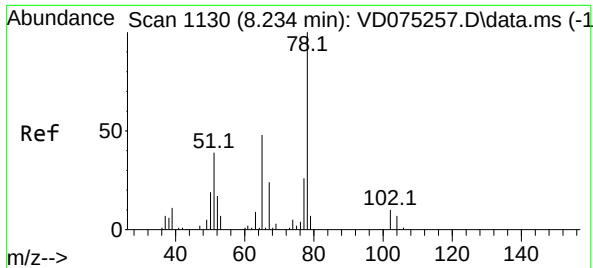


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49



Tgt Ion:	56	Resp:	1564
Ion	Ratio	Lower	Upper
56	100		
69	136.1	26.6	40.0#
84	91.1	74.1	111.1

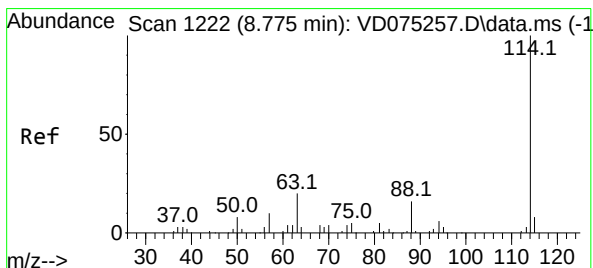
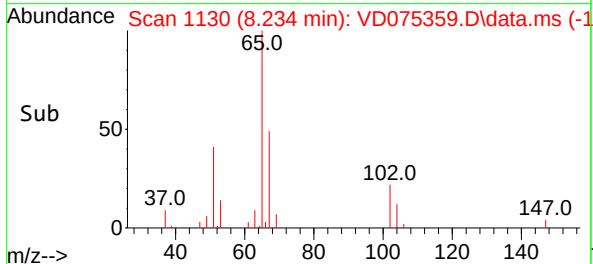
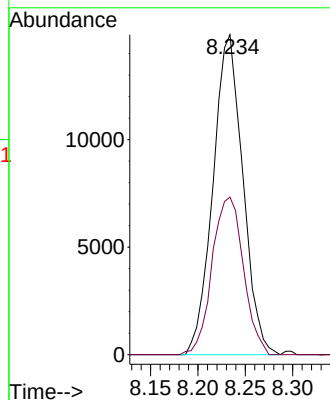
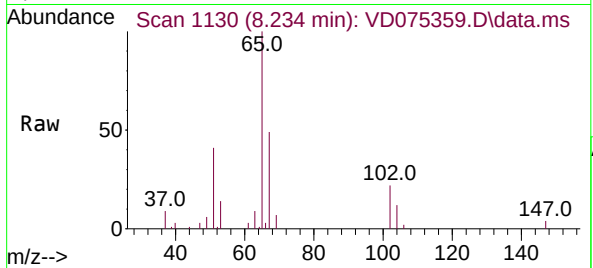




#33
 1,2-Dichloroethane-d4
 Concen: 44.395 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD075359.D
 Acq: 17 Feb 2023 16:49

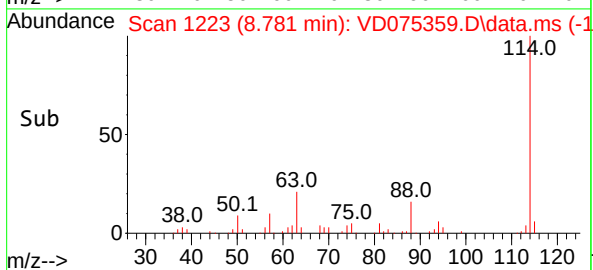
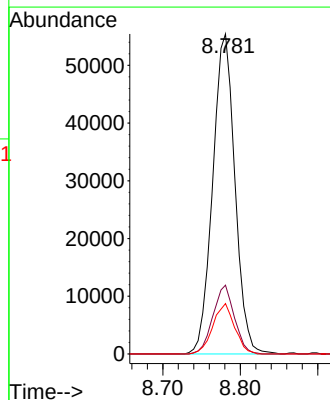
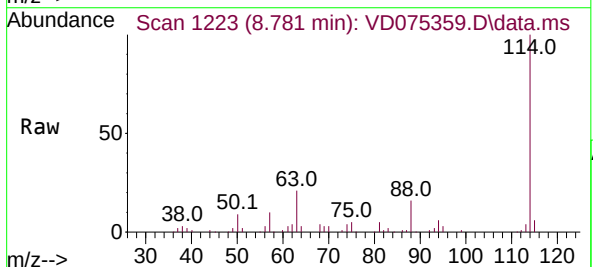
Instrument :
 MSVOA_D
 ClientSampleId :
 CF-1

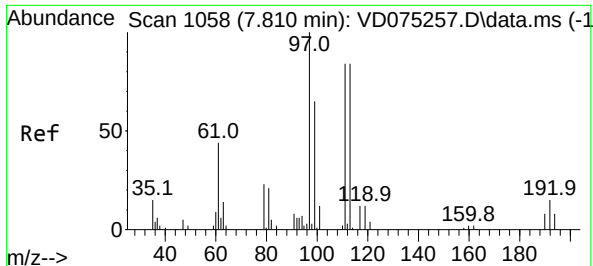
Tgt Ion: 65 Resp: 32643
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD075359.D
 Acq: 17 Feb 2023 16:49

Tgt Ion: 114 Resp: 110545
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.2
 88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.745 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075359.D

Acq: 17 Feb 2023 16:49

Instrument :

MSVOA_D

ClientSampleId :

CF-1

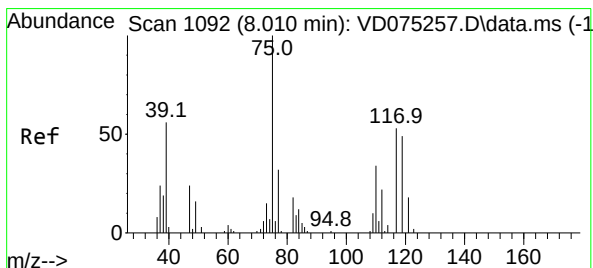
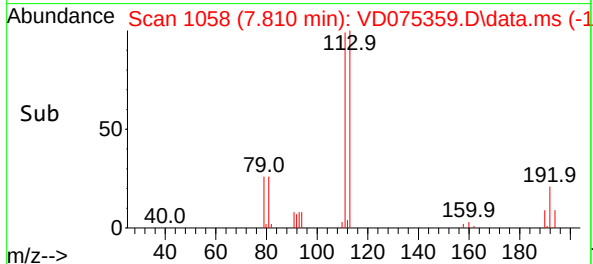
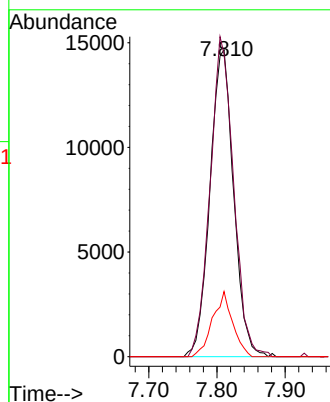
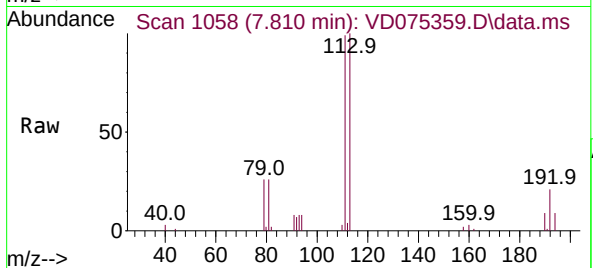
Tgt Ion:113 Resp: 35459

Ion Ratio Lower Upper

113 100

111 103.5 80.1 120.1

192 18.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.356 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075359.D

Acq: 17 Feb 2023 16:49

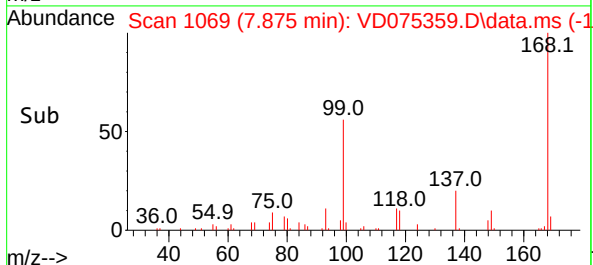
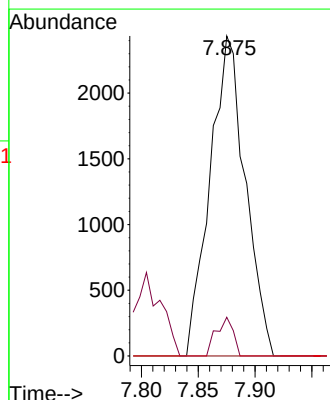
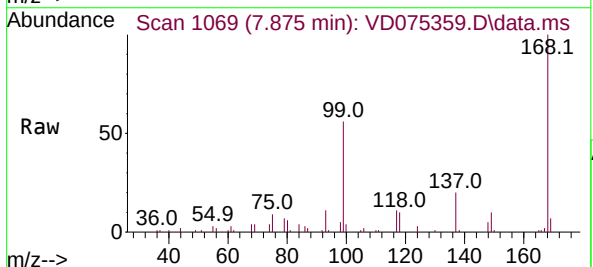
Tgt Ion: 75 Resp: 5260

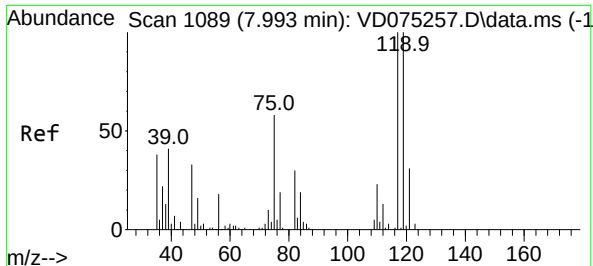
Ion Ratio Lower Upper

75 100

110 5.8 18.1 54.4#

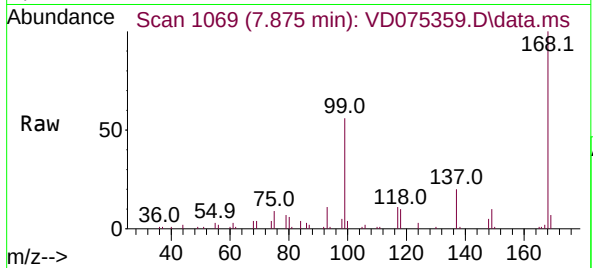
77 0.0 25.1 37.7#



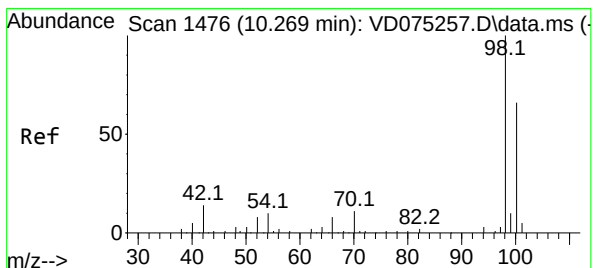
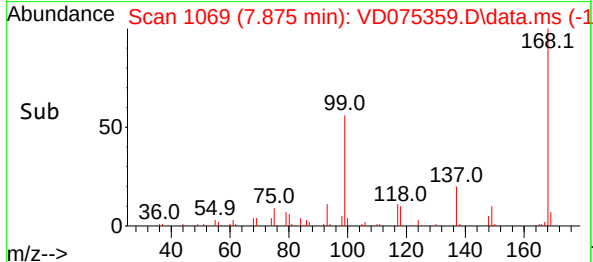
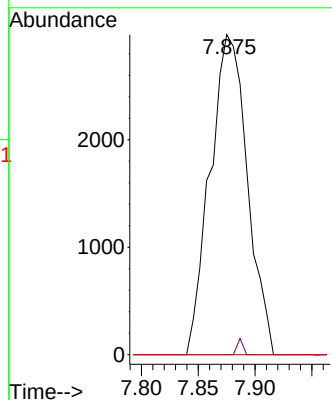


#38
Carbon Tetrachloride
Concen: 6.077 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

Instrument :
MSVOA_D
ClientSampleId :
CF-1

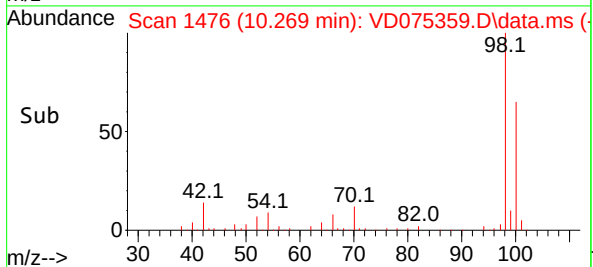
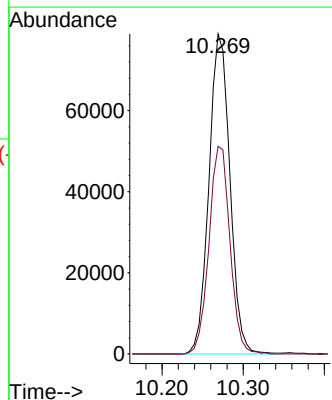
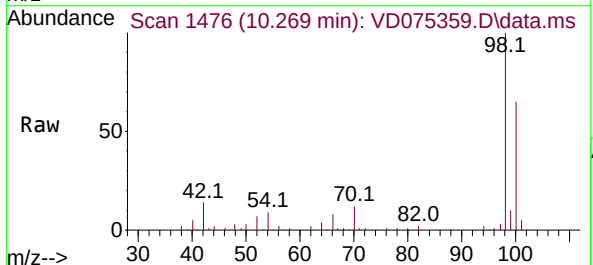


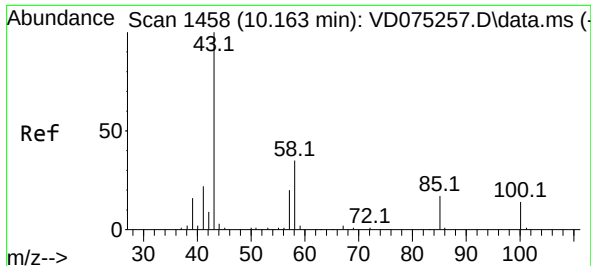
Tgt Ion:117 Resp: 6800
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 48.183 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

Tgt Ion: 98 Resp: 141639
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1

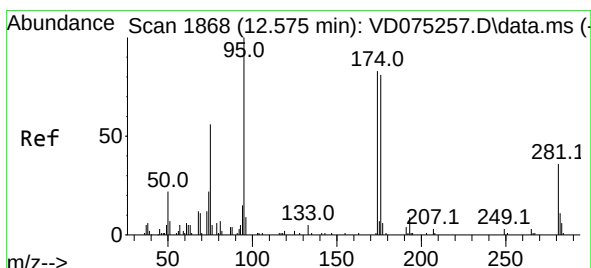
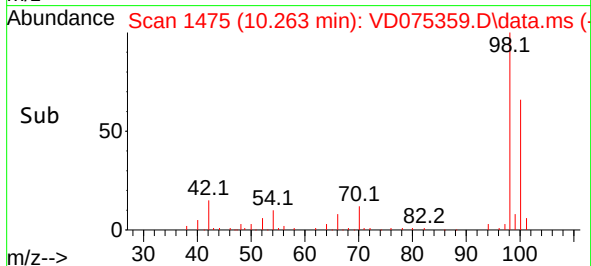
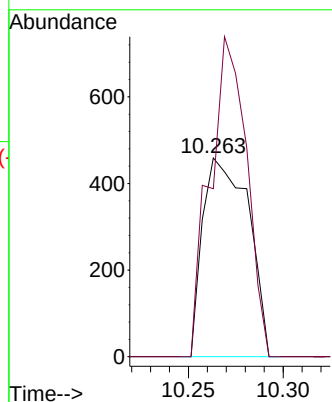
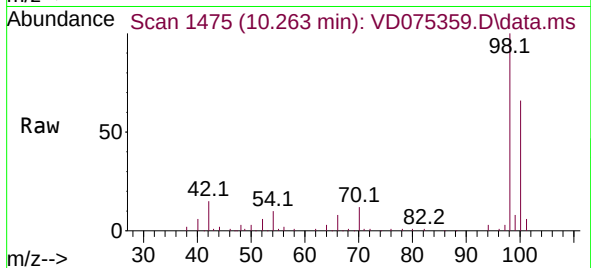




#51
4-Methyl-2-Pentanone
Concen: 1.514 ug/l
RT: 10.263 min Scan# 1458
Delta R.T. 0.100 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

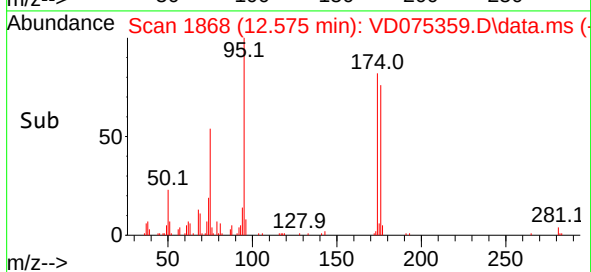
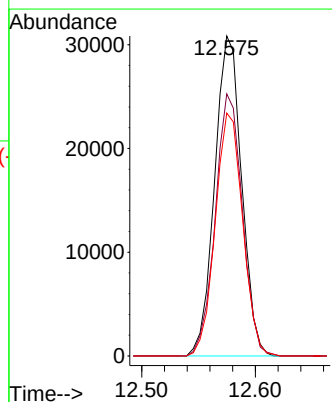
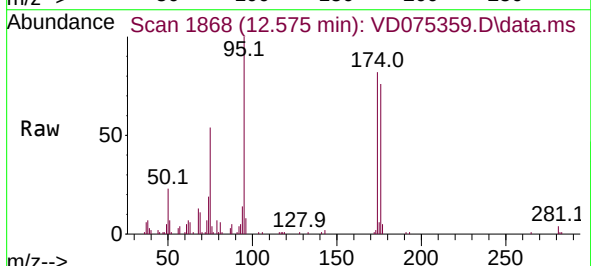
Instrument :
MSVOA_D
ClientSampleId :
CF-1

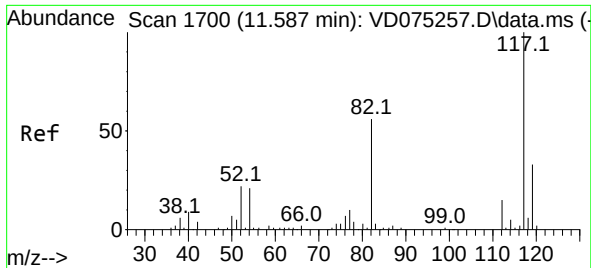
Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 129.5 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 52.449 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

Tgt Ion: 95 Resp: 50839
Ion Ratio Lower Upper
95 100
174 82.2 0.0 161.2
176 77.2 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075359.D

Acq: 17 Feb 2023 16:49

Instrument :

MSVOA_D

ClientSampleId :

CF-1

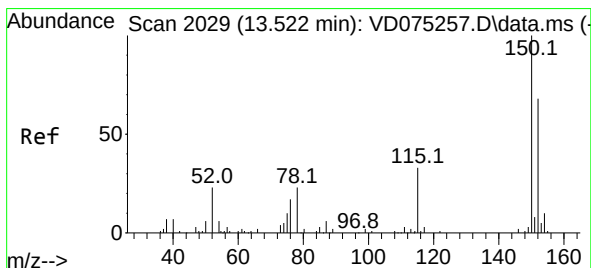
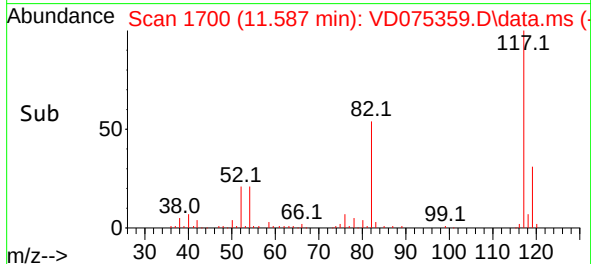
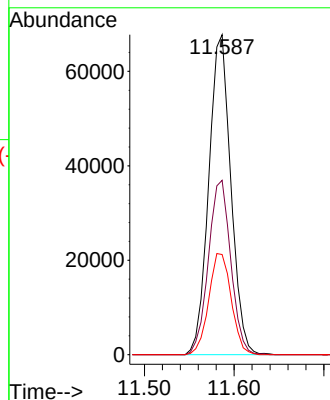
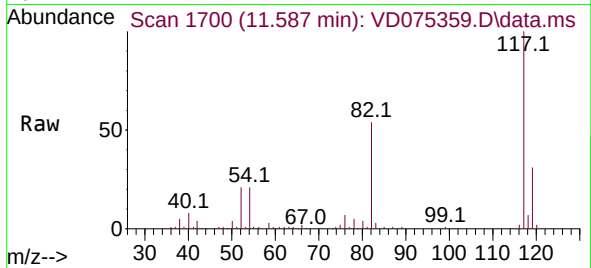
Tgt Ion:117 Resp: 115799

Ion Ratio Lower Upper

117 100

82 54.5 39.6 59.4

119 31.3 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075359.D

Acq: 17 Feb 2023 16:49

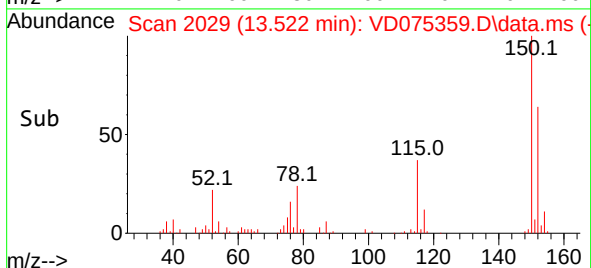
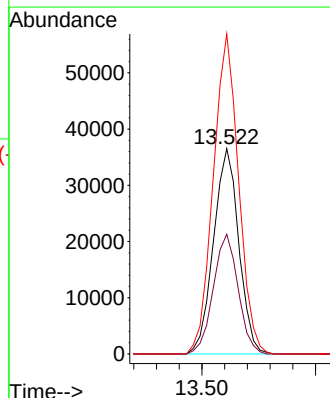
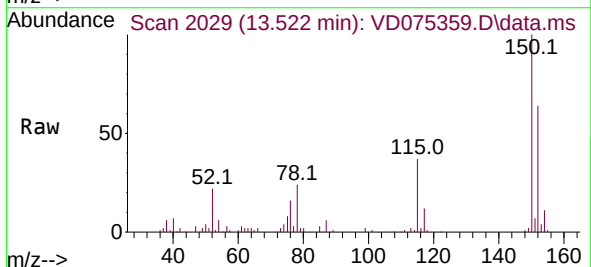
Tgt Ion:152 Resp: 56377

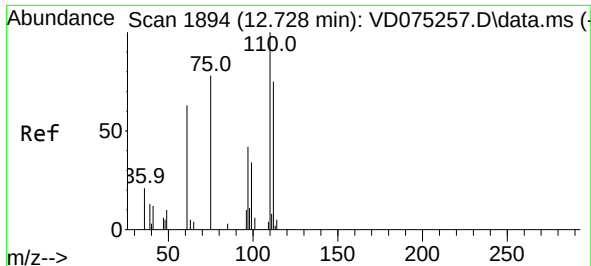
Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.4

150 156.1 0.0 348.6

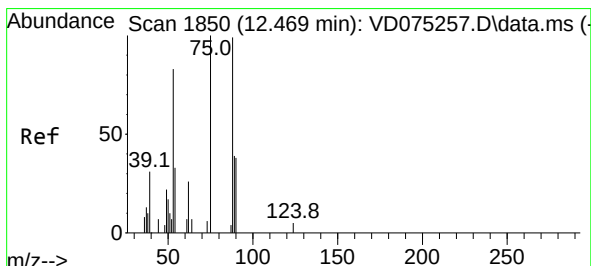
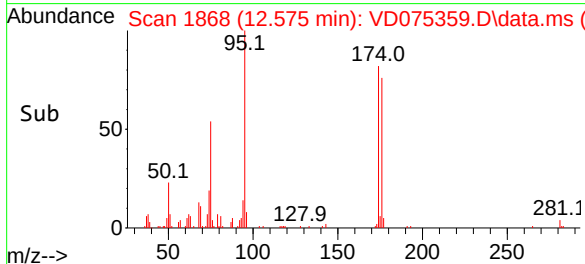
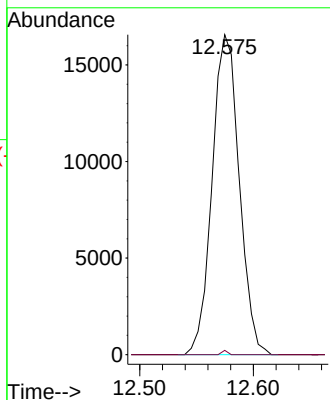
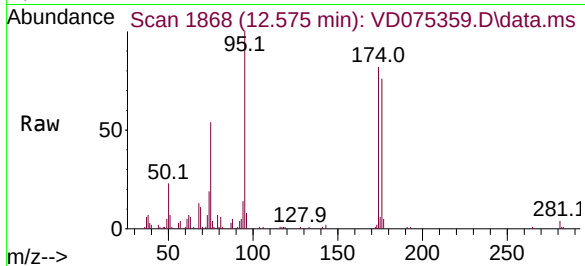




#76
1,2,3-Trichloropropane
Concen: 42.856 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

Instrument :
MSVOA_D
ClientSampleId :
CF-1

Tgt Ion: 75 Resp: 27443
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.376 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075359.D
Acq: 17 Feb 2023 16:49

Tgt Ion: 75 Resp: 27443
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

