

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011524\
 Data File : VD078162.D
 Acq On : 15 Jan 2024 15:20
 Operator : RP/MD
 Sample : P1147-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 16 00:36:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:29:14 2024
 Response via : Initial Calibration

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

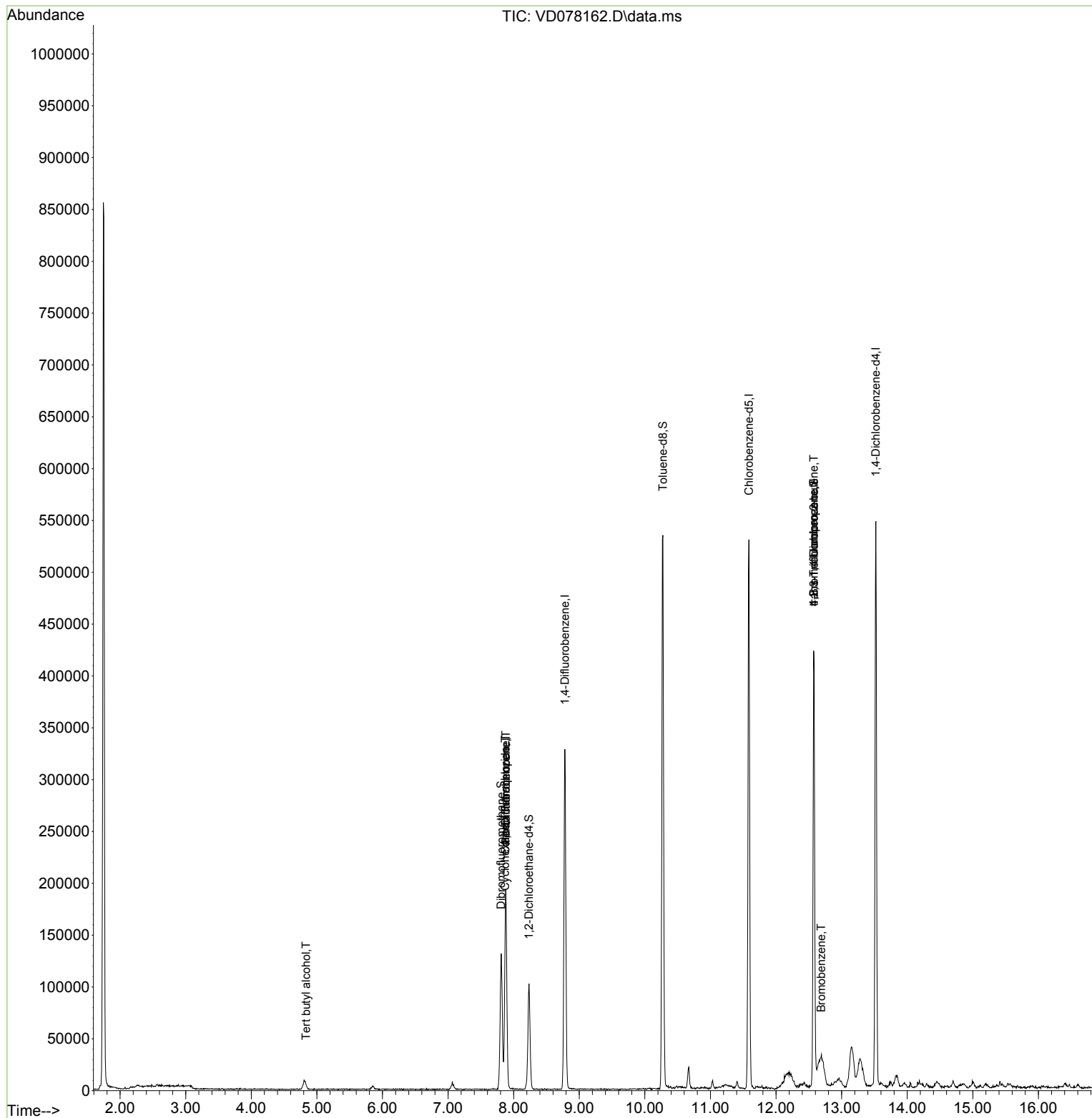
Internal Standards						
1) Pentafluorobenzene	7.881	168	142148	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	295223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	304461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	139428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76488	51.111	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 102.220%		
35) Dibromofluoromethane	7.810	113	92808	43.620	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 87.240%		
50) Toluene-d8	10.275	98	375011	52.555	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 105.120%		
62) 4-Bromofluorobenzene	12.575	95	124607	50.165	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 100.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.834	59	92	1.207	ug/l	# 73
16) Acetone	4.034	43	310	Below Cal	#	32
20) Methylene Chloride	4.816	84	6387	Below Cal	#	91
31) Cyclohexane	7.869	56	3418	1.509	ug/l	# 57
36) 1,1-Dichloropropene	7.881	75	11267	3.922	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	14599	4.412	ug/l	# 17
76) 1,2,3-Trichloropropane	12.575	75	68258	49.724	ug/l	# 100
77) Bromobenzene	12.687	156	29017	11.394	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	68258	110.813	ug/l	# 17

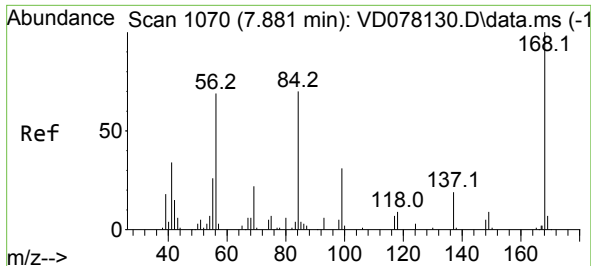
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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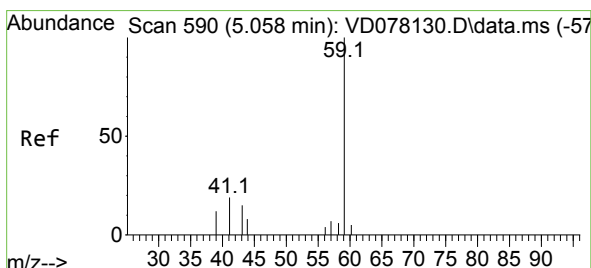
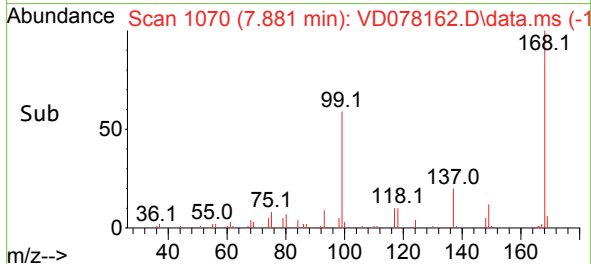
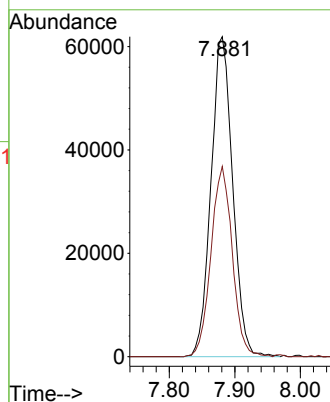
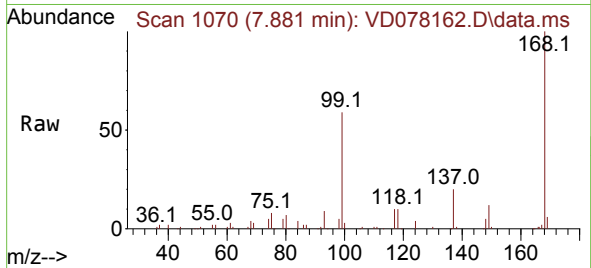




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

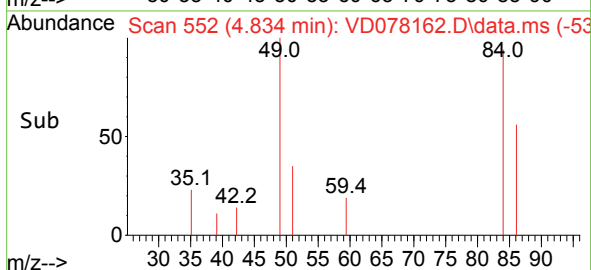
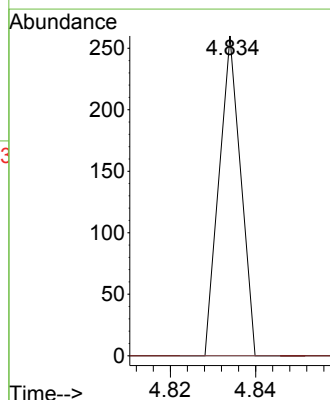
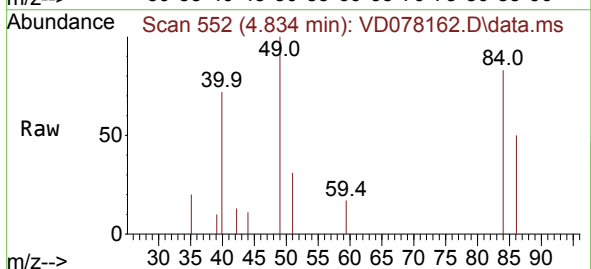
Instrument :
MSVOA_D
ClientSampleId :

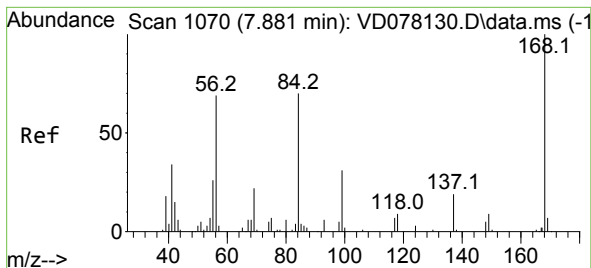
Tgt Ion:168 Resp: 142148
Ion Ratio Lower Upper
168 100
99 59.4 36.7 55.1#



#11
Tert butyl alcohol
Concen: 1.207 ug/l
RT: 4.834 min Scan# 552
Delta R.T. -0.224 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

Tgt Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#31

Cyclohexane

Concen: 1.509 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD078162.D

Acq: 15 Jan 2024 15:20

Instrument :

MSVOA_D

ClientSampleId :

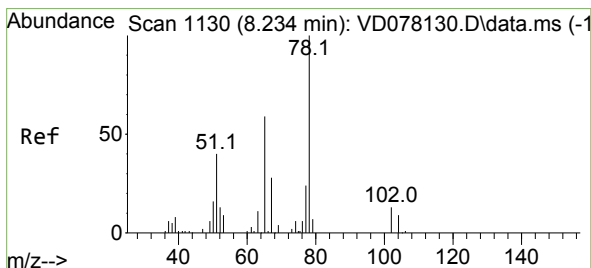
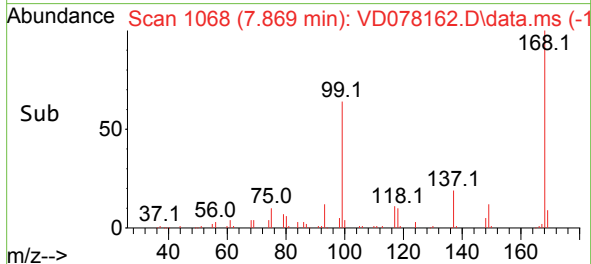
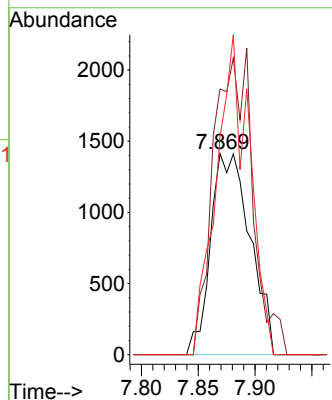
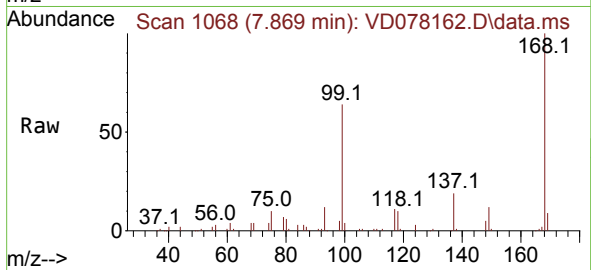
Tgt Ion: 56 Resp: 3418

Ion Ratio Lower Upper

56 100

69 132.1 28.6 43.0#

84 108.4 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 51.111 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078162.D

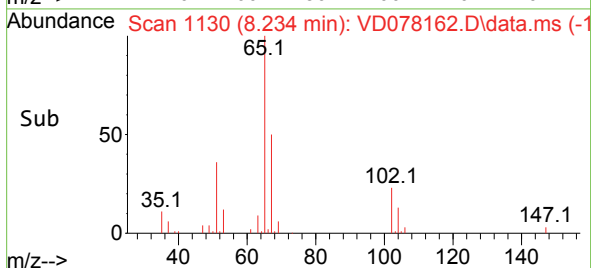
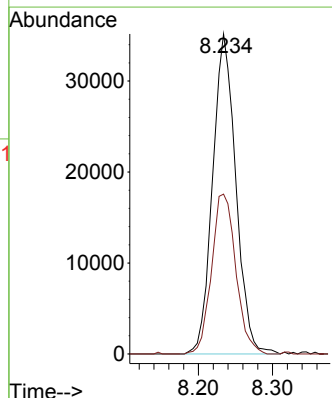
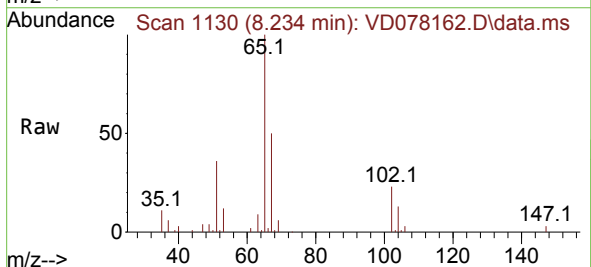
Acq: 15 Jan 2024 15:20

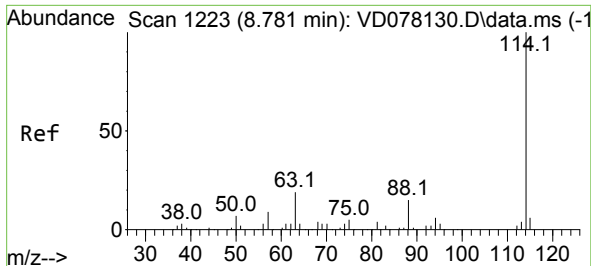
Tgt Ion: 65 Resp: 76488

Ion Ratio Lower Upper

65 100

67 52.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 114

Delta R.T. -0.000 min

Lab File: VD078162.D

Acq: 15 Jan 2024 15:20

Instrument :

MSVOA_D

ClientSampleId :

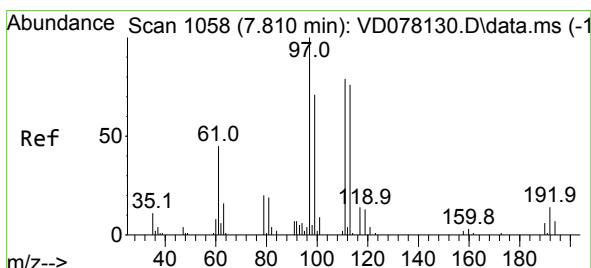
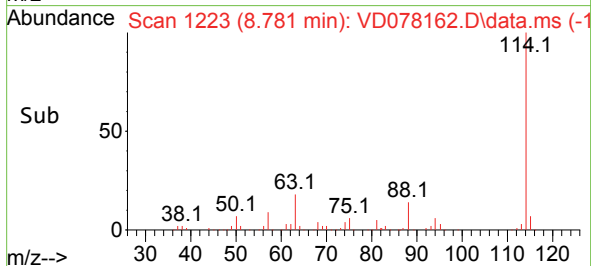
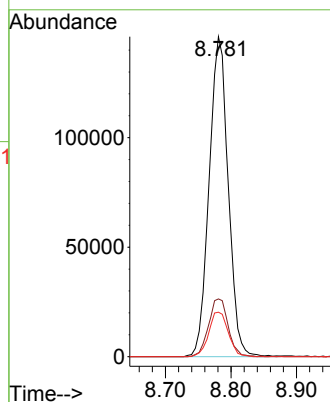
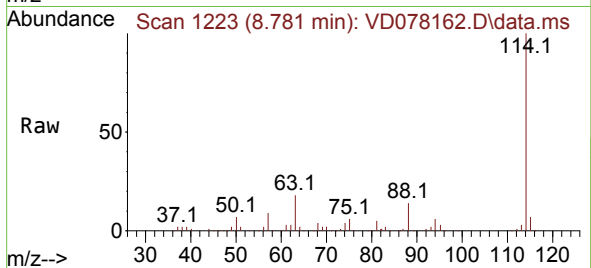
Tgt Ion:114 Resp: 295223

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 13.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.620 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078162.D

Acq: 15 Jan 2024 15:20

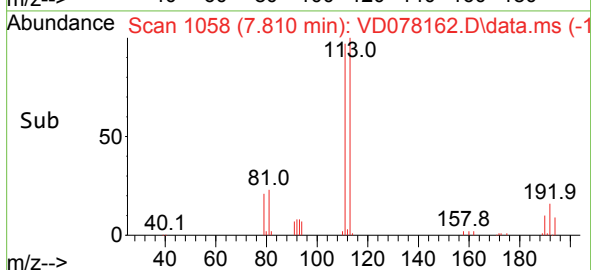
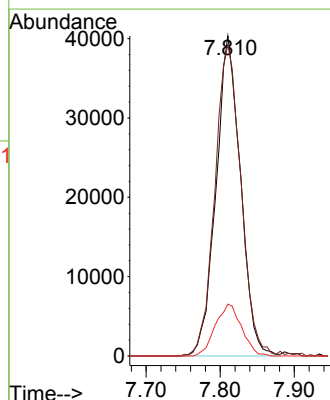
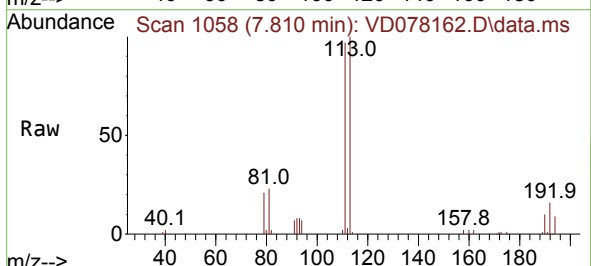
Tgt Ion:113 Resp: 92808

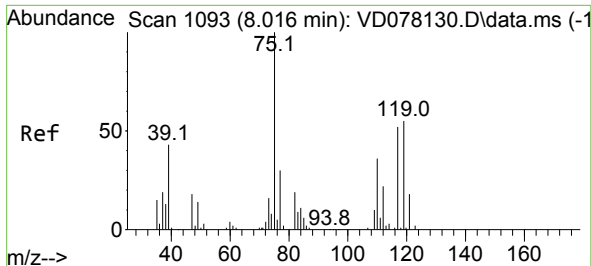
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 17.3 16.8 25.2

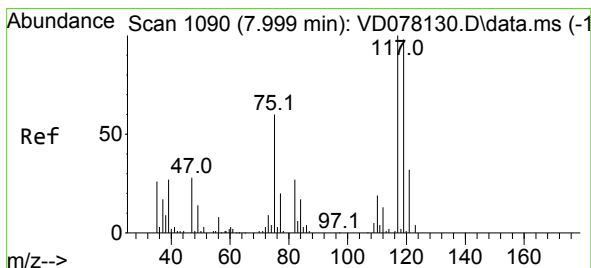
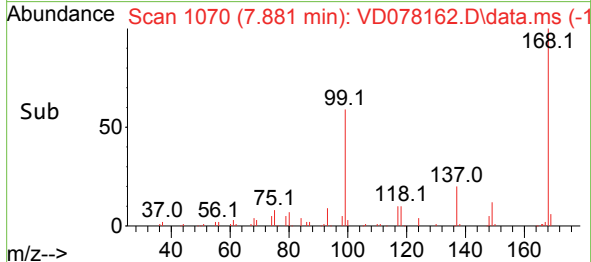
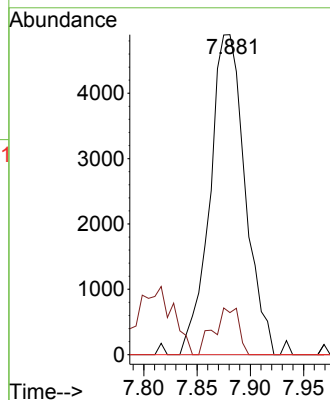
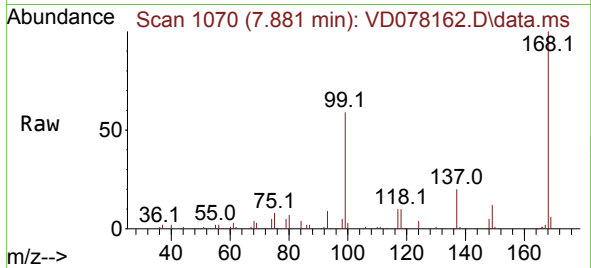




#36
1,1-Dichloropropene
Concen: 3.922 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

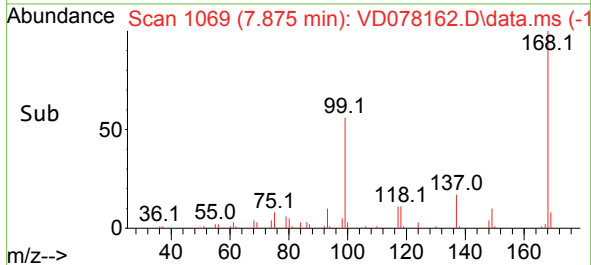
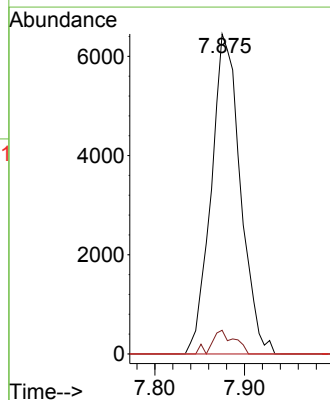
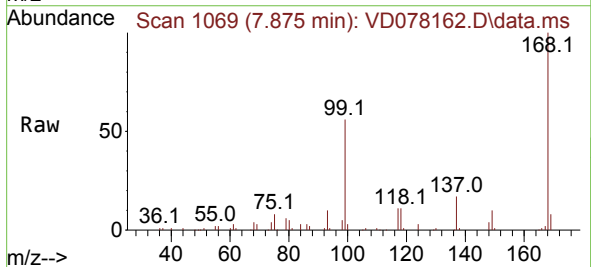
Instrument :
MSVOA_D
ClientSampleId :

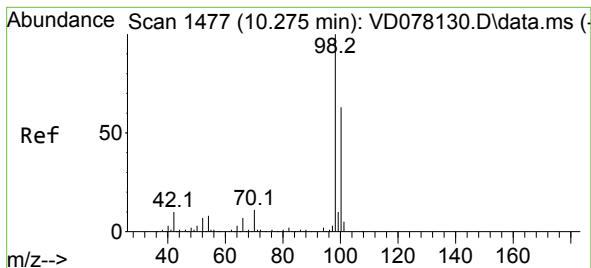
Tgt Ion: 75 Resp: 11267
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.412 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

Tgt Ion: 117 Resp: 14599
Ion Ratio Lower Upper
117 100
119 7.4 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 52.555 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VD078162.D

Acq: 15 Jan 2024 15:20

Instrument :

MSVOA_D

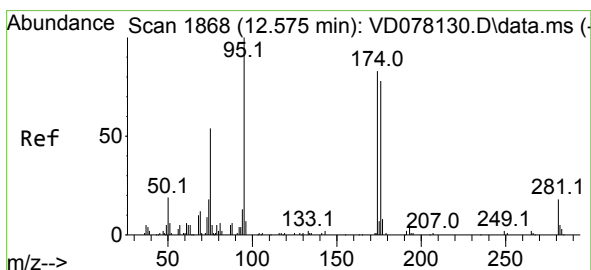
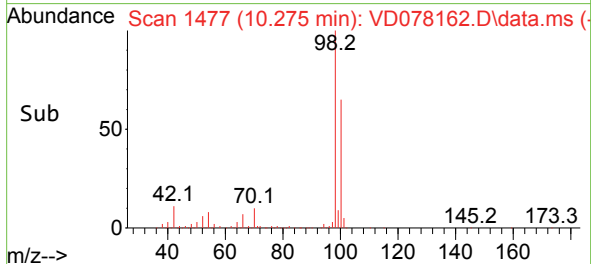
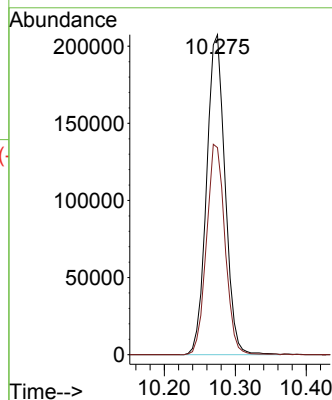
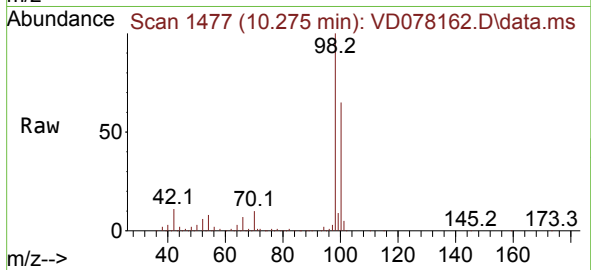
ClientSampleId :

Tgt Ion: 98 Resp: 375011

Ion Ratio Lower Upper

98 100

100 65.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 50.165 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078162.D

Acq: 15 Jan 2024 15:20

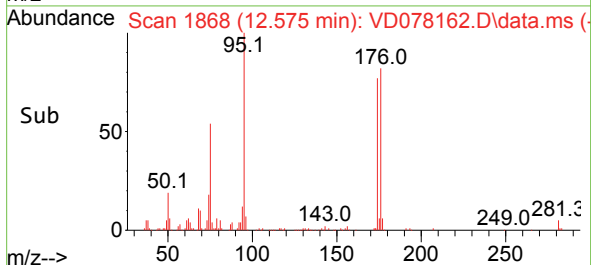
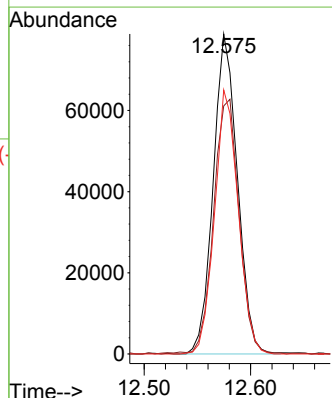
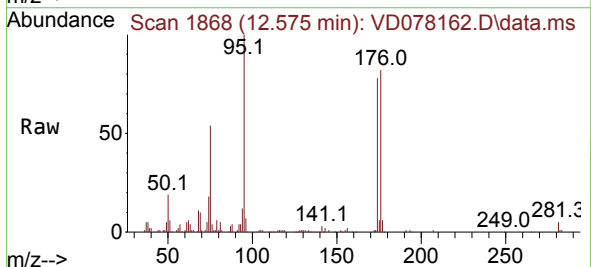
Tgt Ion: 95 Resp: 124607

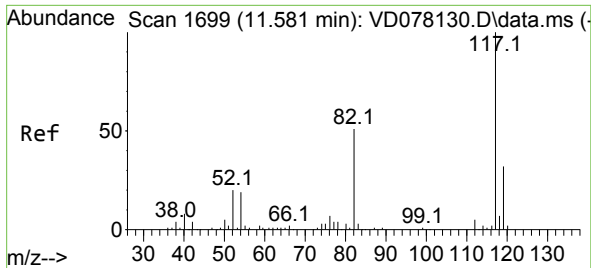
Ion Ratio Lower Upper

95 100

174 83.8 0.0 201.8

176 80.6 0.0 191.8

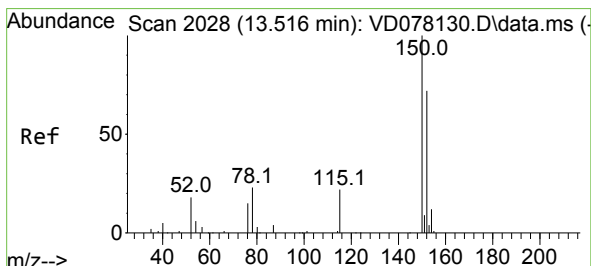
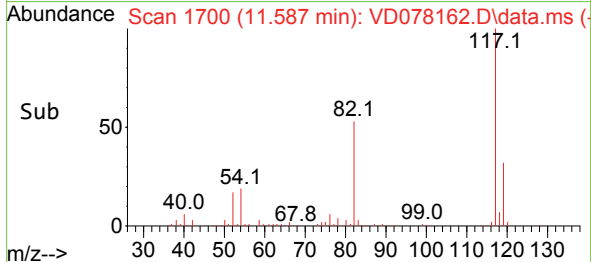
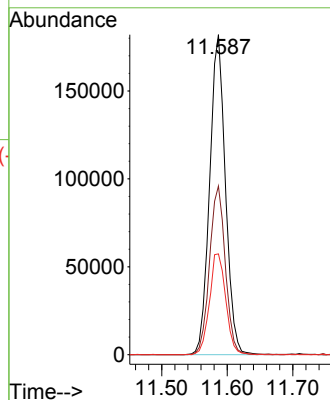
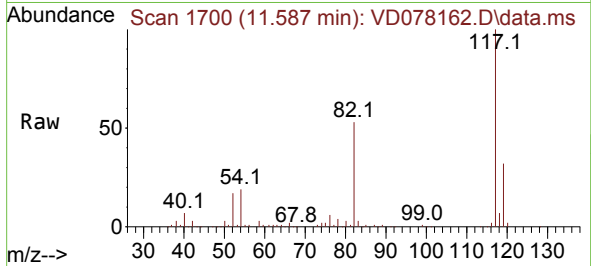




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

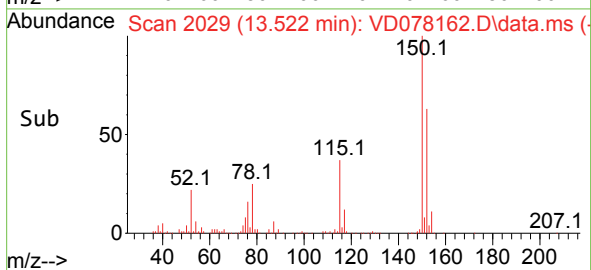
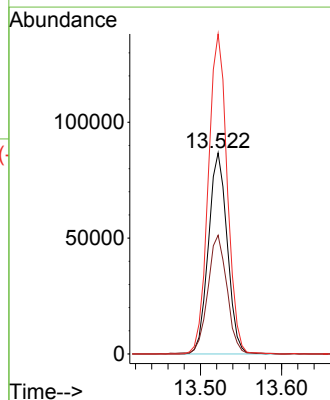
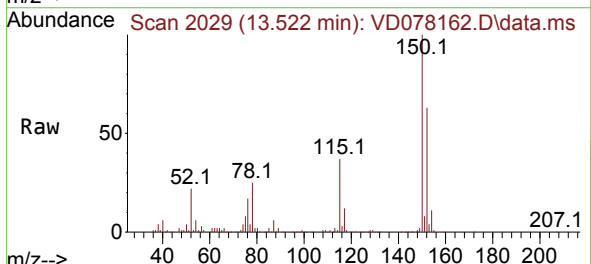
Instrument :
MSVOA_D
ClientSampleId :

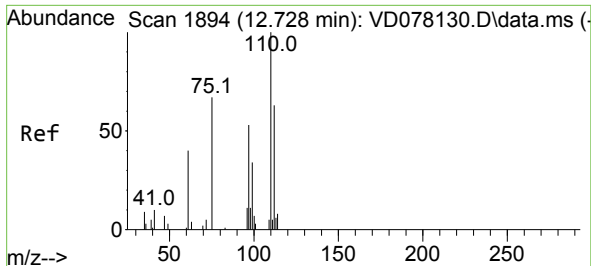
Tgt Ion:117 Resp: 304461
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 31.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

Tgt Ion:152 Resp: 139428
Ion Ratio Lower Upper
152 100
115 60.8 27.1 81.3
150 159.7 0.0 353.6

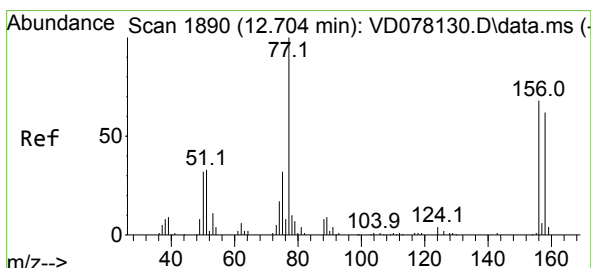
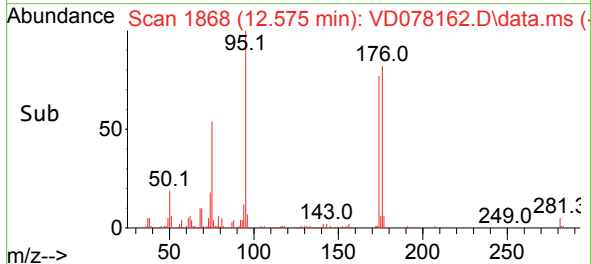
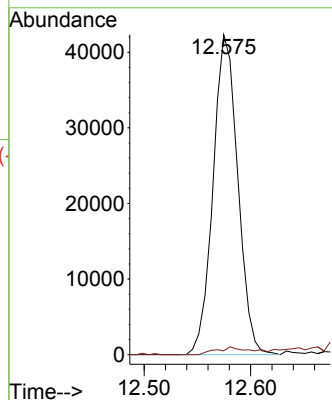
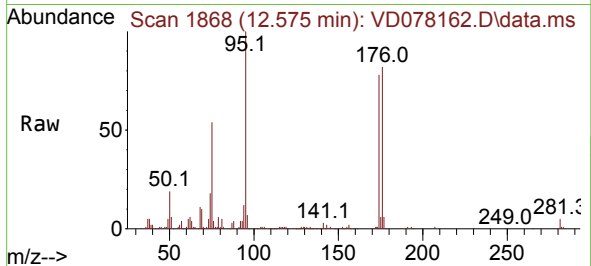




#76
1,2,3-Trichloropropane
Concen: 49.724 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

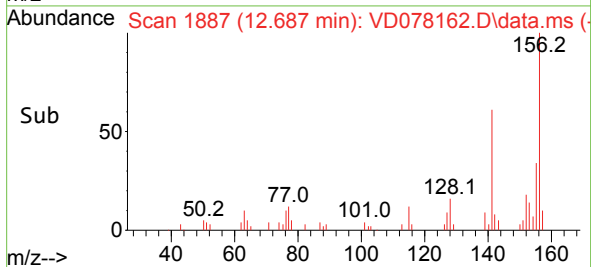
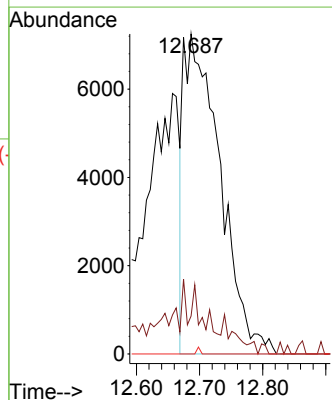
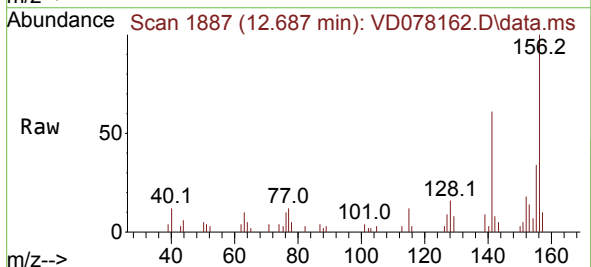
Instrument :
MSVOA_D
ClientSampleId :

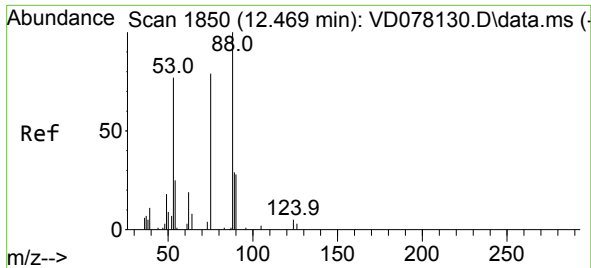
Tgt Ion: 75 Resp: 68258
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#



#77
Bromobenzene
Concen: 11.394 ug/l
RT: 12.687 min Scan# 1887
Delta R.T. -0.018 min
Lab File: VD078162.D
Acq: 15 Jan 2024 15:20

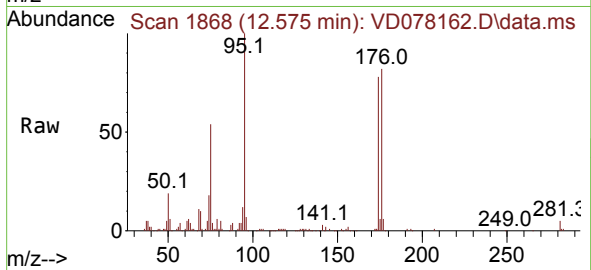
Tgt Ion: 156 Resp: 29017
Ion Ratio Lower Upper
156 100
77 4.4 76.8 230.4#
158 0.2 48.6 145.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.813 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078162.D
 Acq: 15 Jan 2024 15:20

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	68258
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

