

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081233.D
 Acq On : 27 Feb 2024 20:48
 Operator : JC\MD
 Sample : P1590-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240222

Quant Time: Feb 28 04:25:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

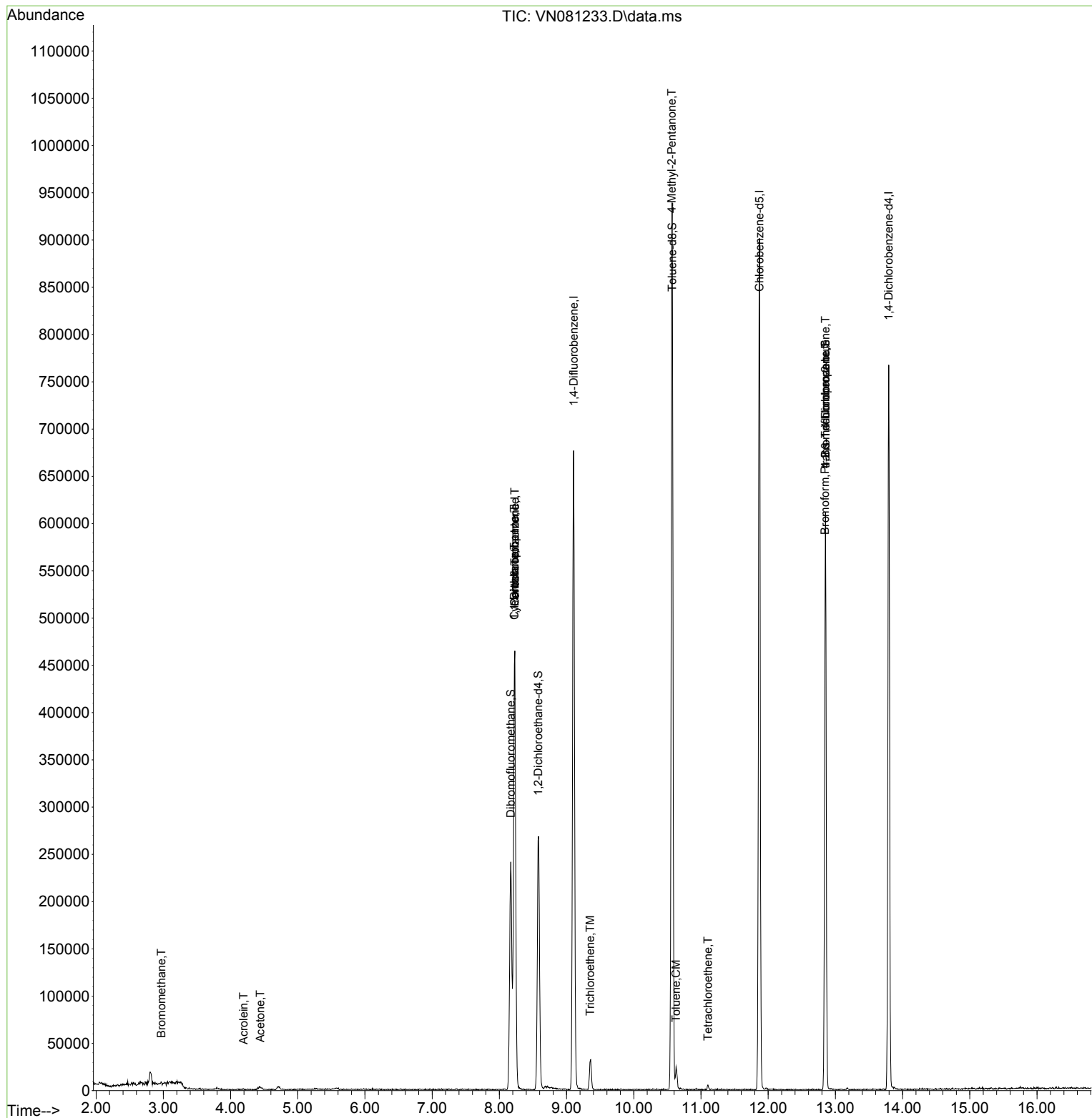
Internal Standards						
1) Pentafluorobenzene	8.230	168	310148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	499241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	216502	56.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.900%			
35) Dibromofluoromethane	8.171	113	171541	52.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.460%			
50) Toluene-d8	10.571	98	643977	55.739	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.480%			
62) 4-Bromofluorobenzene	12.853	95	203098	46.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	729	Below Cal	#	43
5) Bromomethane	2.971	94	776	0.245	ug/l	83
6) Chloroethane	3.148	64	197	Below Cal	#	69
13) Acrolein	4.195	56	320	0.854	ug/l	98
16) Acetone	4.442	43	6004	4.014	ug/l	90
20) Methylene Chloride	5.271	84	377	Below Cal	#	27
31) Cyclohexane	8.224	56	8739	1.331	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	28228	5.065	ug/l	# 51
38) Carbon Tetrachloride	8.230	117	36602	6.492	ug/l	# 19
44) Trichloroethene	9.353	130	11309	2.632	ug/l	79
51) 4-Methyl-2-Pentanone	10.565	43	3545	0.701	ug/l	# 1
52) Toluene	10.629	92	8348	0.817	ug/l	87
64) Tetrachloroethene	11.106	164	788	0.231	ug/l	# 69
71) Bromoform	12.847	173	868	0.353	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	111251	25.570	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	111251	65.815	ug/l	# 14

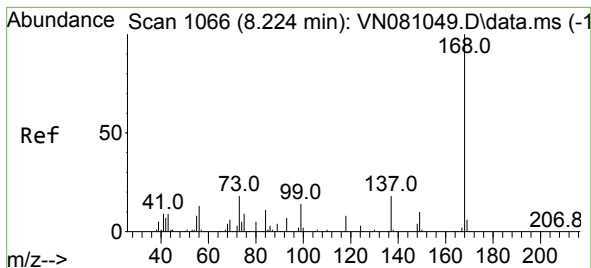
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081233.D

Acq: 27 Feb 2024 20:48

Instrument :

MSVOA_N

ClientSampleId :

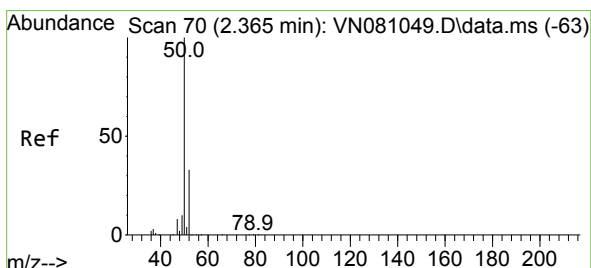
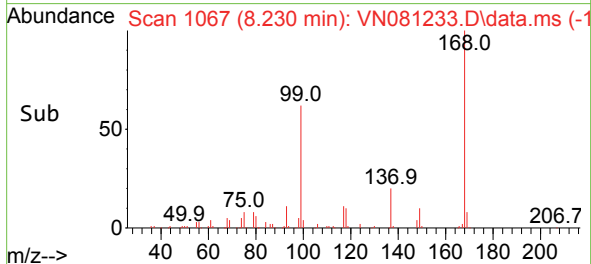
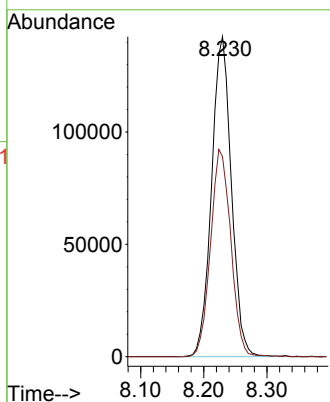
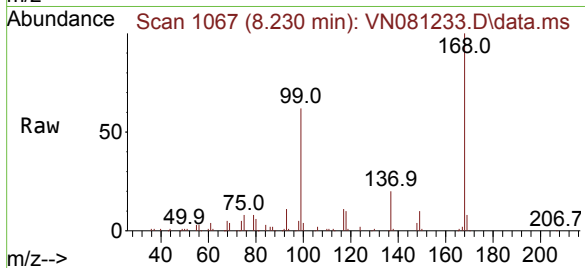
RE120D3-20240222

Tgt Ion:168 Resp: 310148

Ion Ratio Lower Upper

168 100

99 62.5 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081233.D

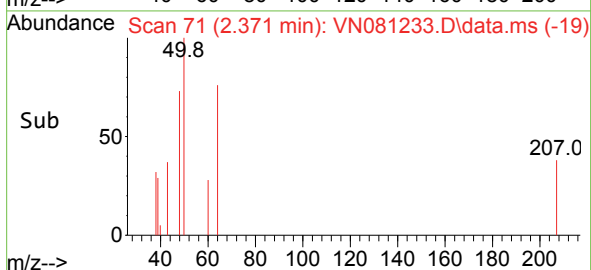
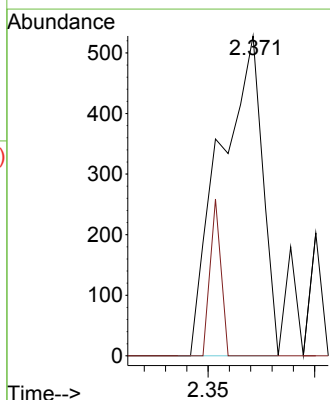
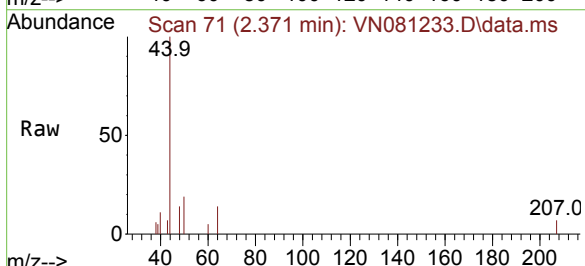
Acq: 27 Feb 2024 20:48

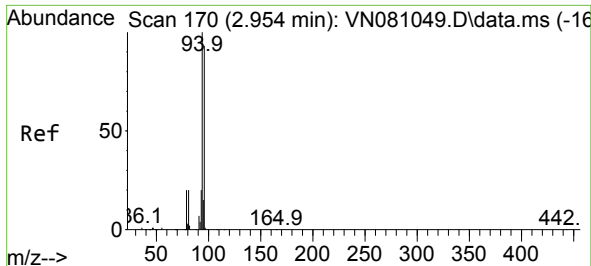
Tgt Ion: 50 Resp: 729

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

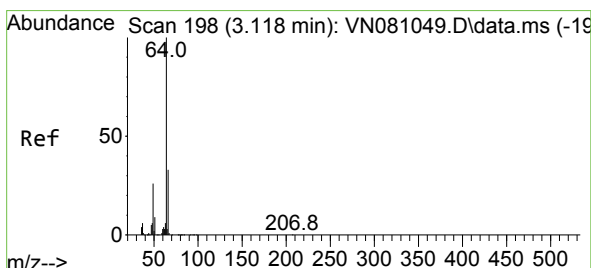
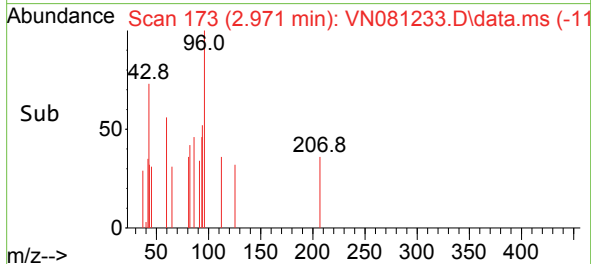
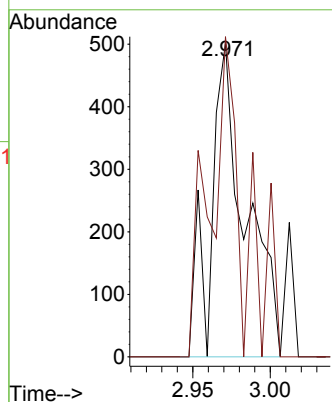
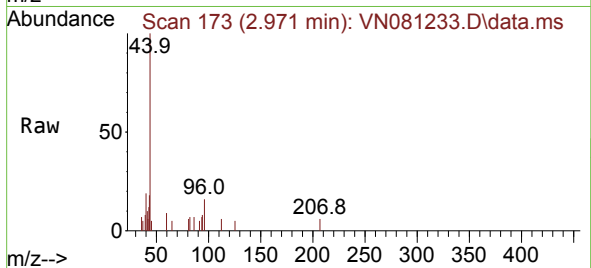




#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

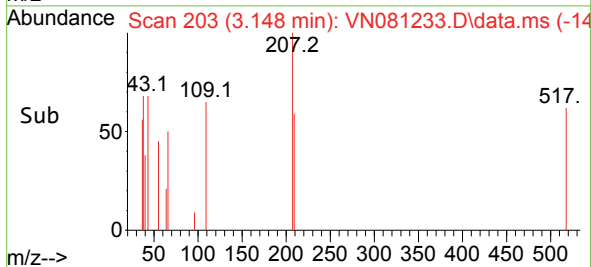
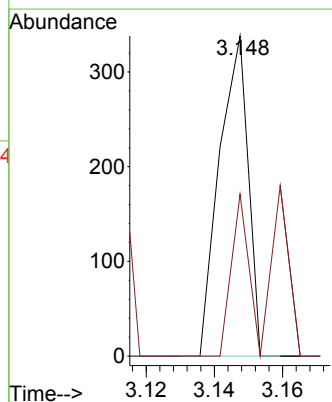
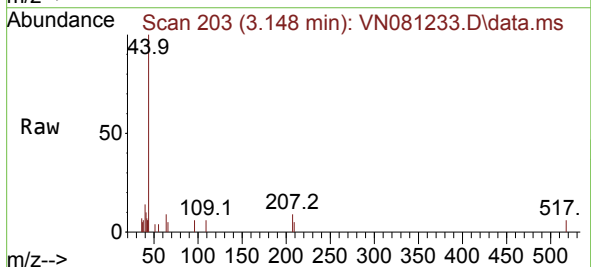
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

Tgt Ion: 94 Resp: 776
Ion Ratio Lower Upper
94 100
96 102.0 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 50.6 26.4 39.6#

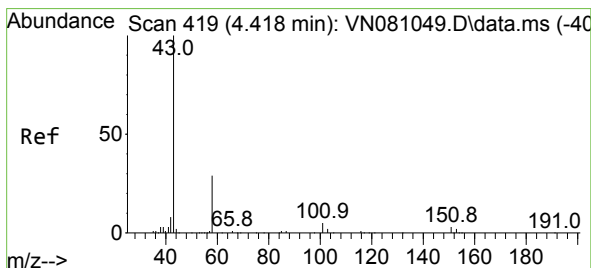
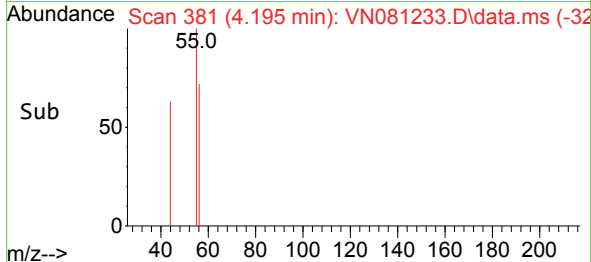
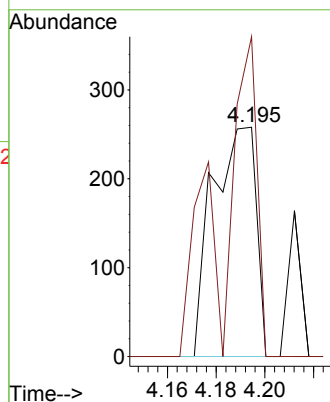
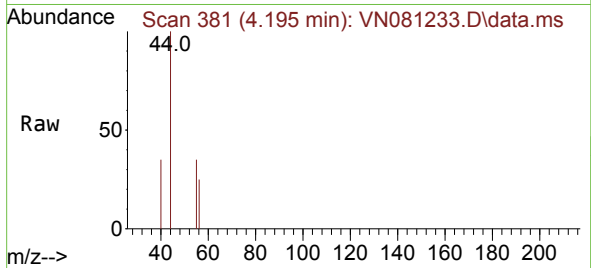




#13
Acrolein
Concen: 0.854 ug/l
RT: 4.195 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

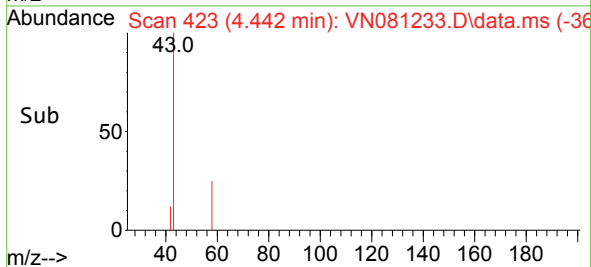
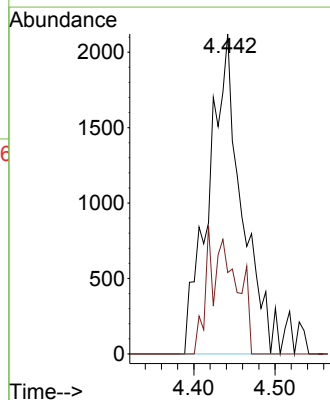
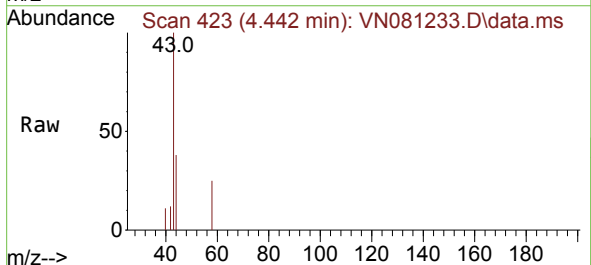
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

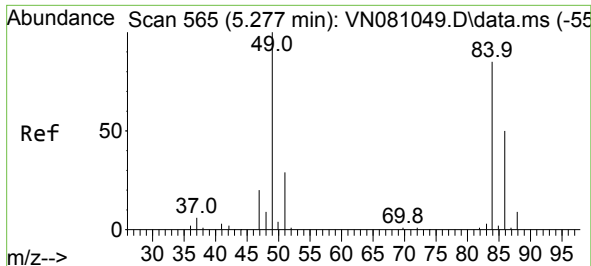
Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 70.9 55.3 82.9



#16
Acetone
Concen: 4.014 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

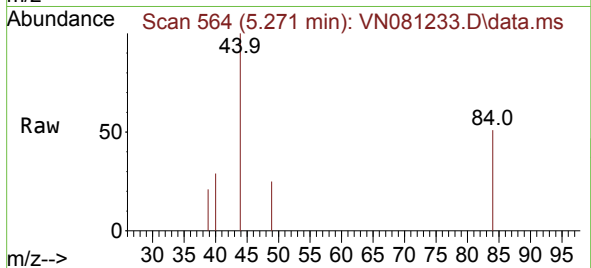
Tgt Ion: 43 Resp: 6004
Ion Ratio Lower Upper
43 100
58 25.5 24.8 37.2





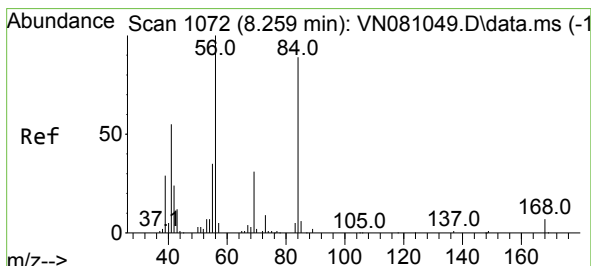
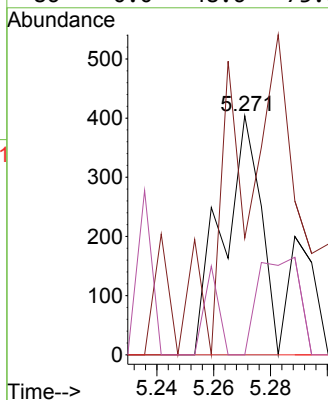
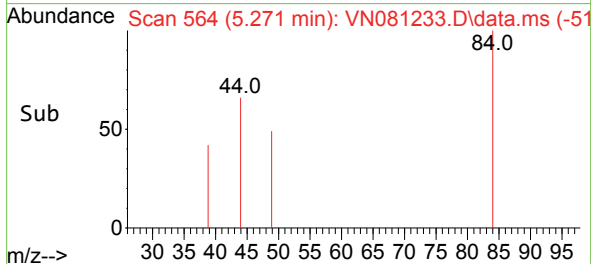
#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

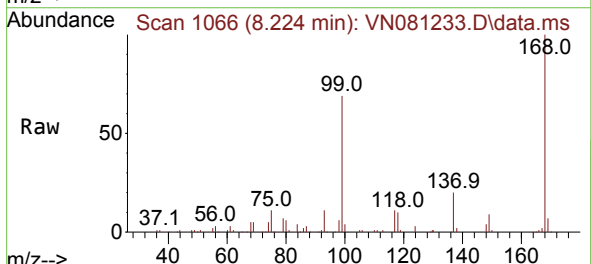


Tgt Ion: 84 Resp: 377

Ion	Ratio	Lower	Upper
84	100		
49	48.8	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#

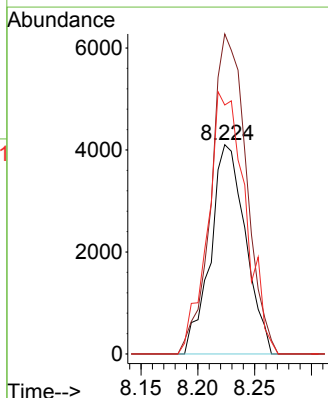
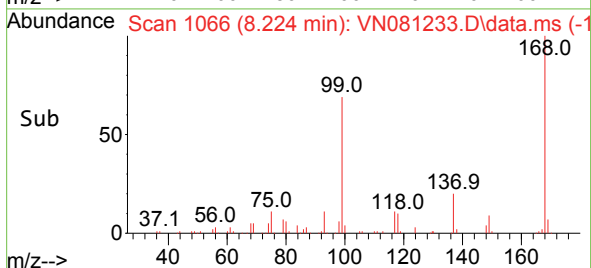


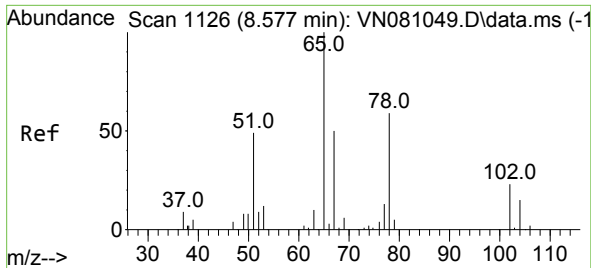
#31
Cyclohexane
Concen: 1.331 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48



Tgt Ion: 56 Resp: 8739

Ion	Ratio	Lower	Upper
56	100		
69	152.9	20.1	30.1#
84	132.7	56.9	85.3#

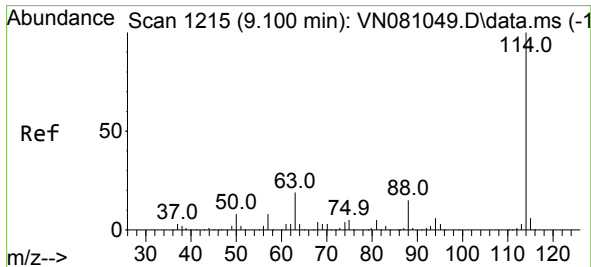
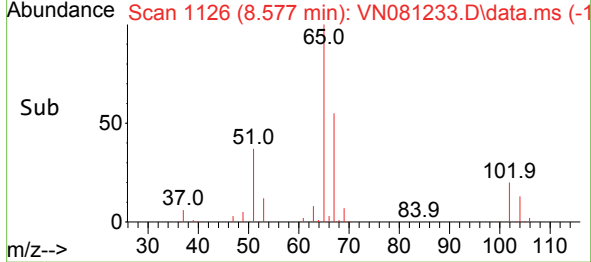
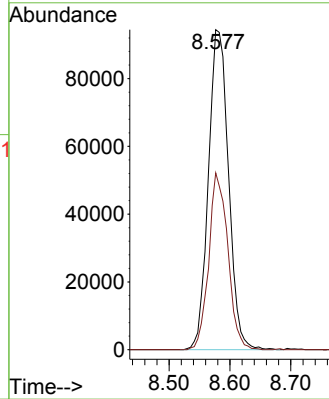
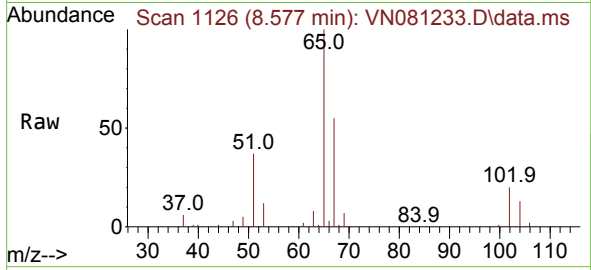




#33
 1,2-Dichloroethane-d4
 Concen: 56.951 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN081233.D
 Acq: 27 Feb 2024 20:48

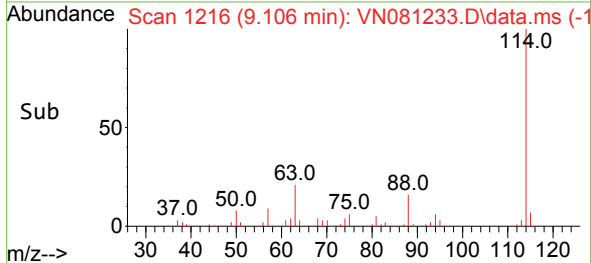
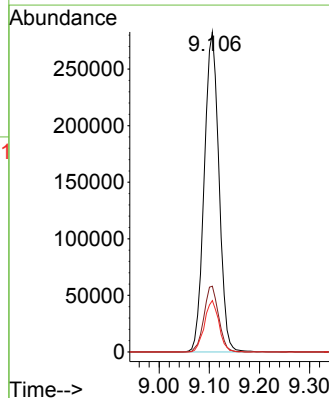
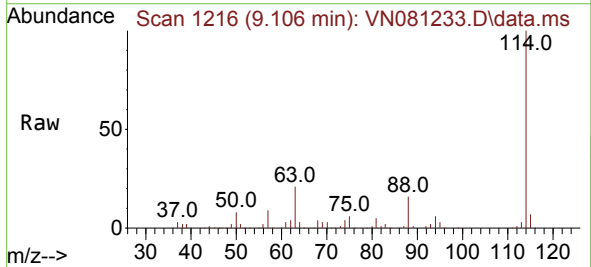
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20240222

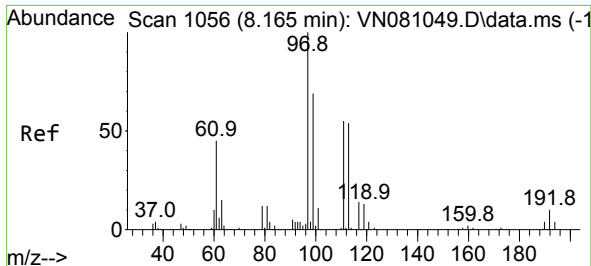
Tgt Ion: 65 Resp: 216502
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.006 min
 Lab File: VN081233.D
 Acq: 27 Feb 2024 20:48

Tgt Ion: 114 Resp: 575259
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 48.0
 88 16.0 0.0 34.8

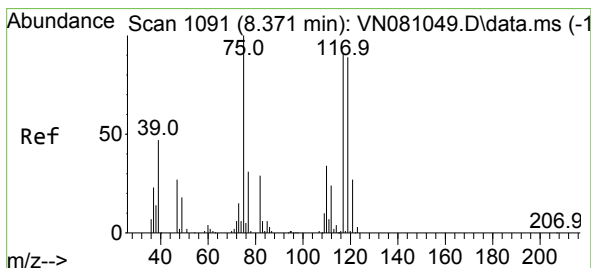
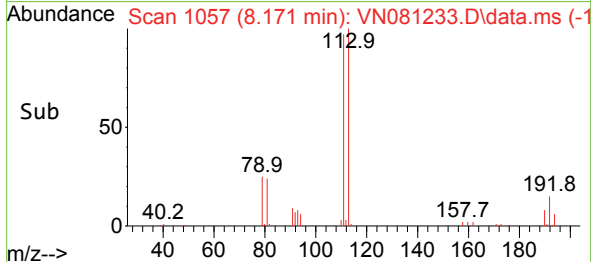
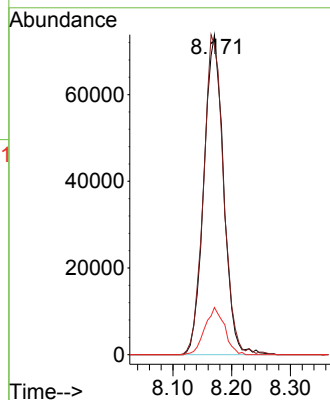
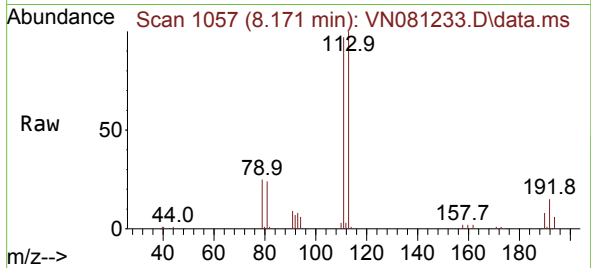




#35
Dibromofluoromethane
Concen: 52.735 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

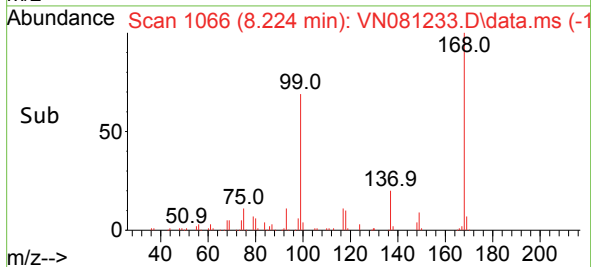
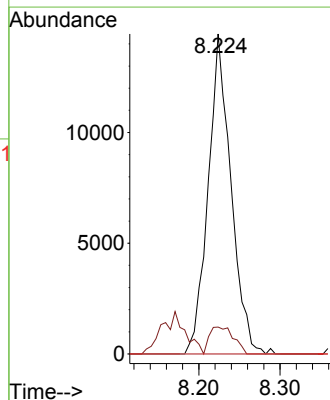
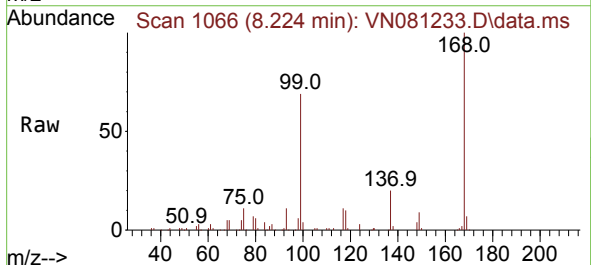
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RE120D3-20240222

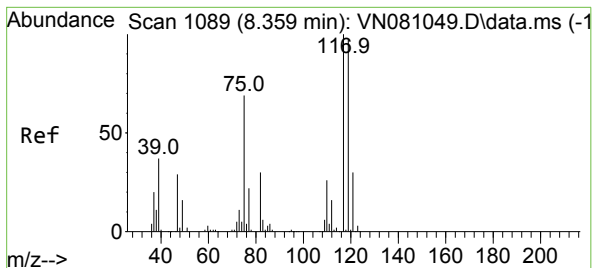
Tgt Ion:113 Resp: 171541
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 14.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Tgt Ion: 75 Resp: 28228
Ion Ratio Lower Upper
75 100
110 9.0 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081233.D

Acq: 27 Feb 2024 20:48

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20240222

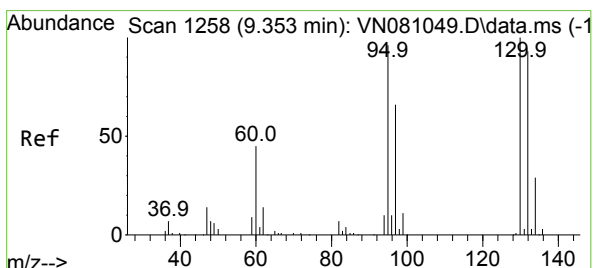
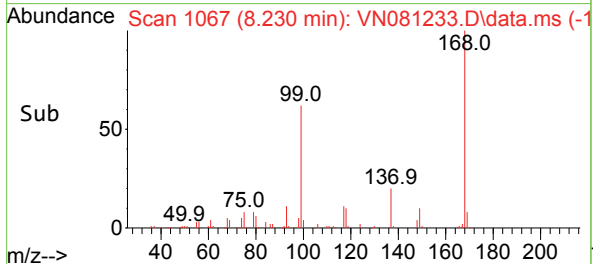
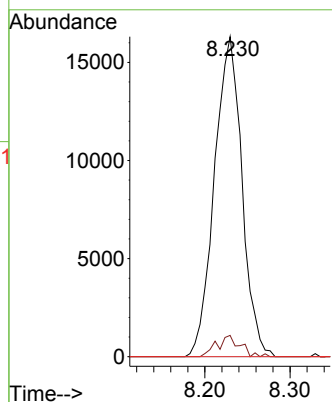
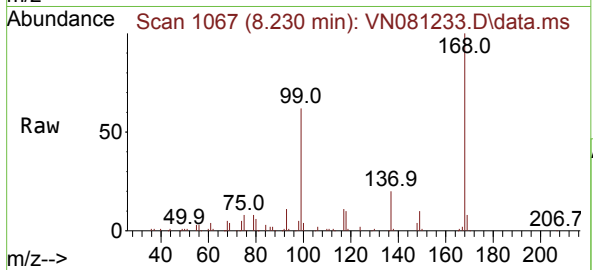
Tgt Ion:117 Resp: 36602

Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 2.632 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN081233.D

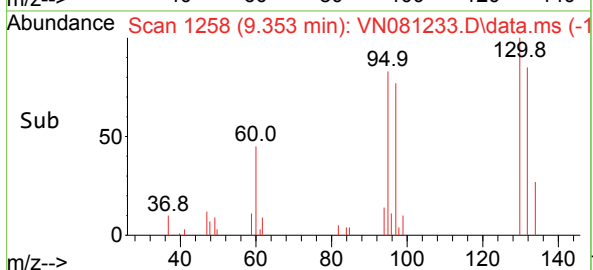
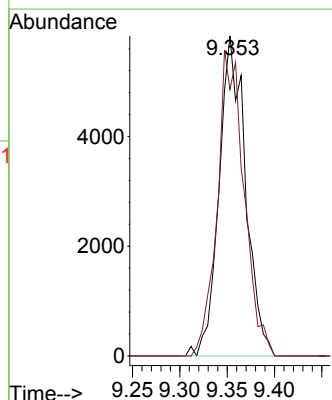
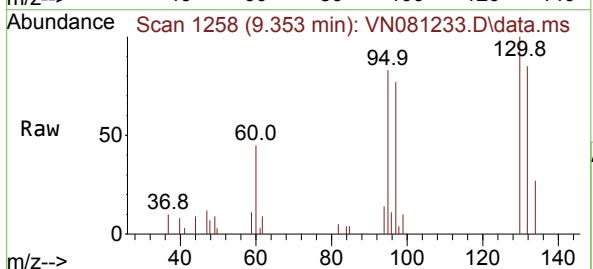
Acq: 27 Feb 2024 20:48

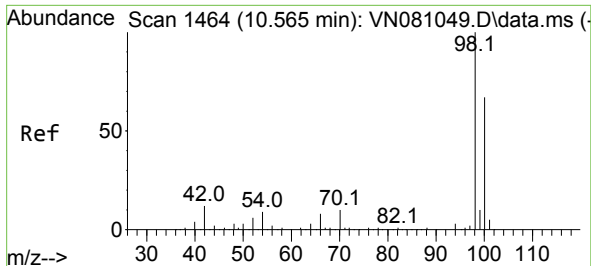
Tgt Ion:130 Resp: 11309

Ion Ratio Lower Upper

130 100

95 83.3 0.0 210.4

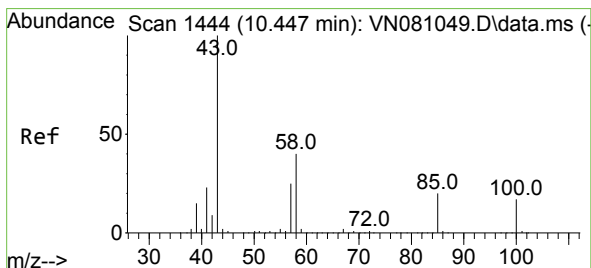
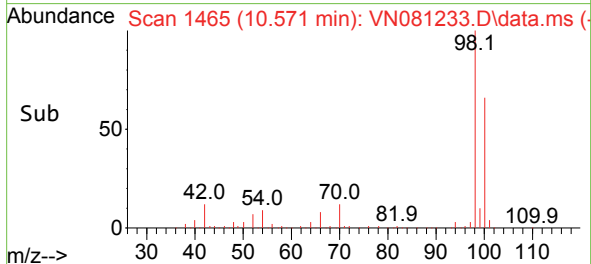
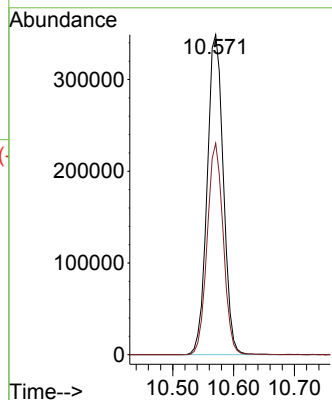
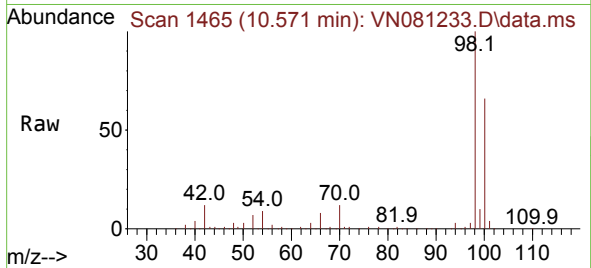




#50
Toluene-d8
Concen: 55.739 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

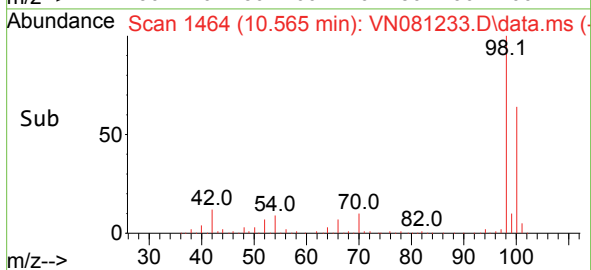
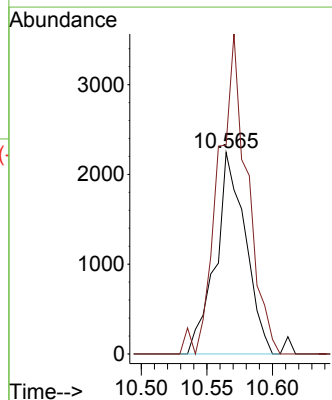
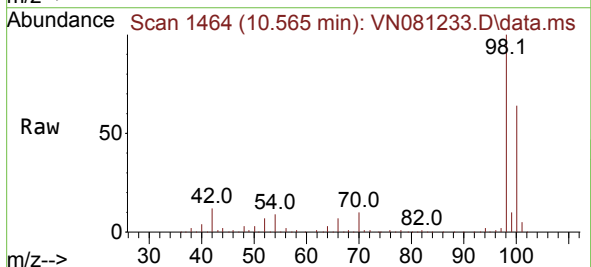
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

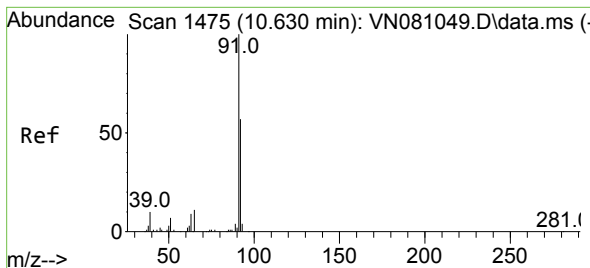
Tgt Ion: 98 Resp: 643977
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.701 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
58 155.1 29.4 44.0#





#52

Toluene

Concen: 0.817 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081233.D

Acq: 27 Feb 2024 20:48

Instrument :

MSVOA_N

ClientSampleId :

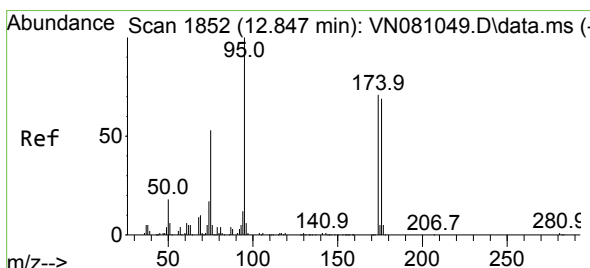
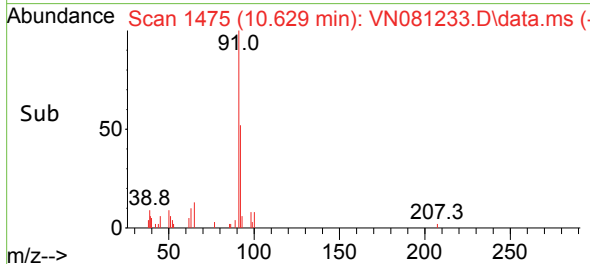
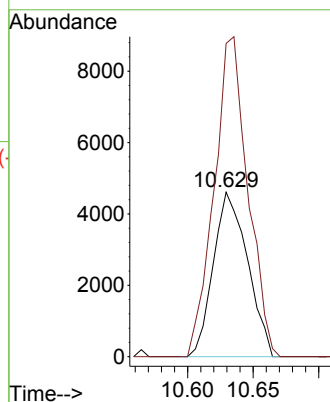
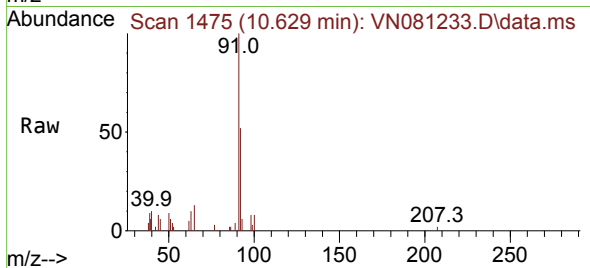
RE120D3-20240222

Tgt Ion: 92 Resp: 8348

Ion Ratio Lower Upper

92 100

91 192.2 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 46.783 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081233.D

Acq: 27 Feb 2024 20:48

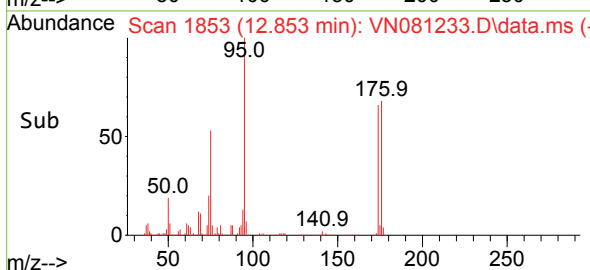
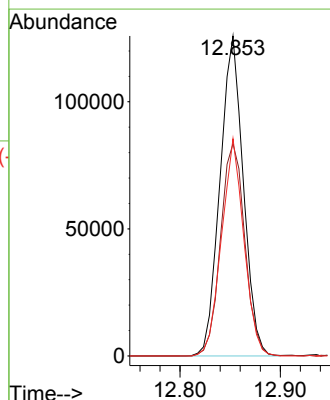
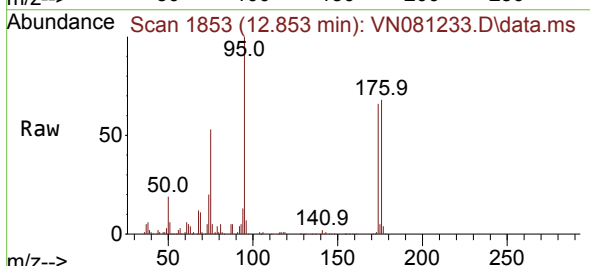
Tgt Ion: 95 Resp: 203098

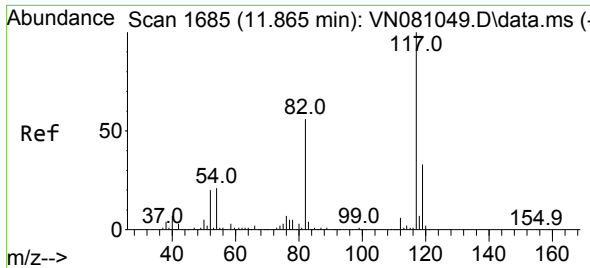
Ion Ratio Lower Upper

95 100

174 69.0 0.0 120.4

176 65.2 0.0 121.0

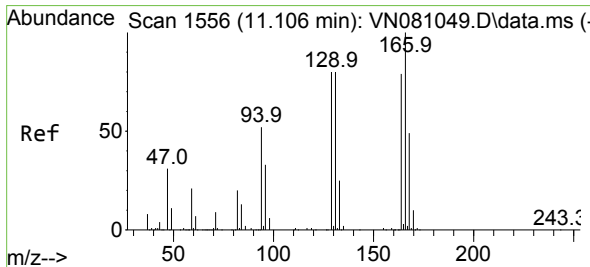
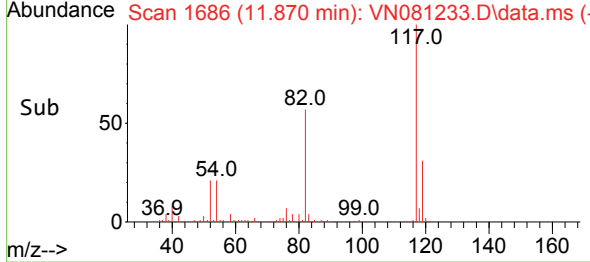
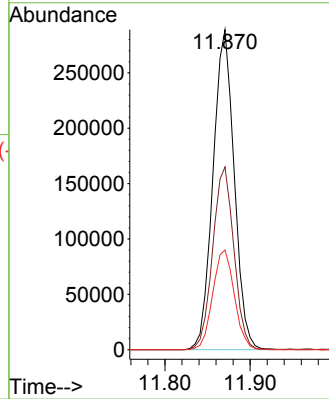
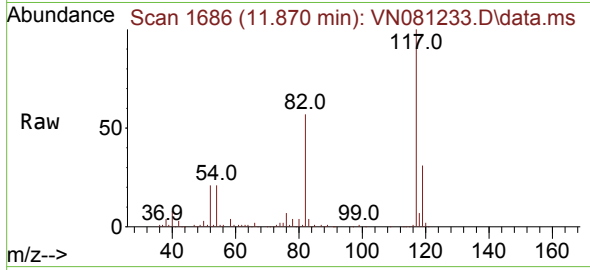




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

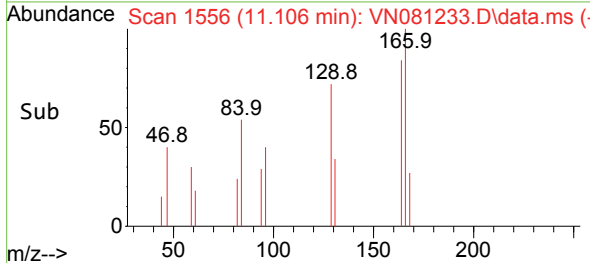
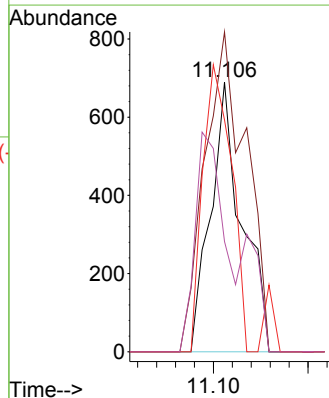
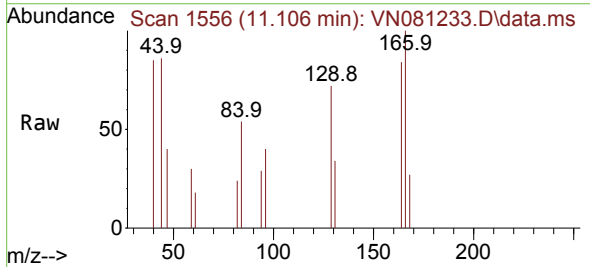
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

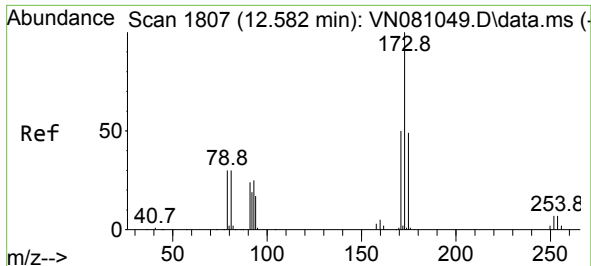
Tgt Ion:	117	Resp:	499241
Ion	Ratio	Lower	Upper
117	100		
82	57.1	52.7	79.1
119	31.1	25.3	37.9



#64
Tetrachloroethene
Concen: 0.231 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Tgt Ion:	164	Resp:	788
Ion	Ratio	Lower	Upper
164	100		
166	118.6	105.8	158.6
129	85.9	89.6	134.4#
131	40.9	84.9	127.3#





#71

Bromoform

Concen: 0.353 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN081233.D

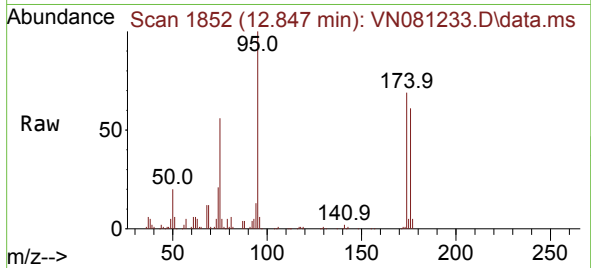
Acq: 27 Feb 2024 20:48

Instrument :

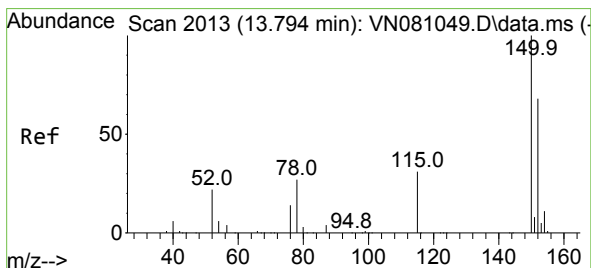
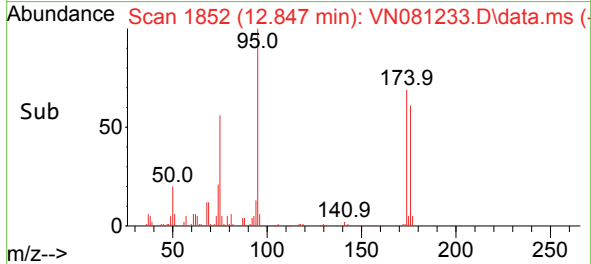
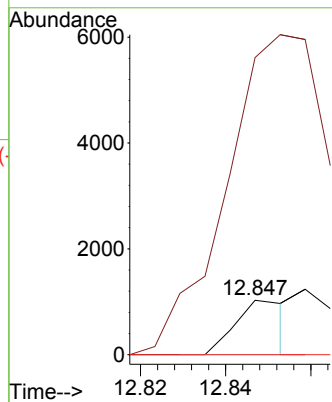
MSVOA_N

ClientSampleId :

RE120D3-20240222



Tgt Ion:	173	Resp:	868
Ion Ratio	Lower	Upper	
173	100		
175	969.5	23.1	69.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

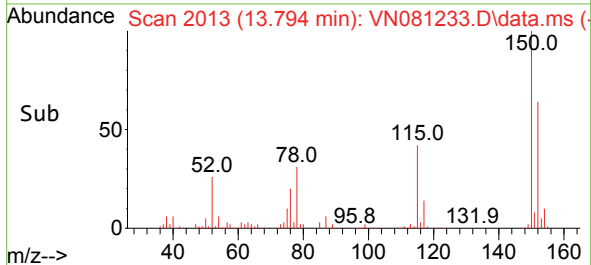
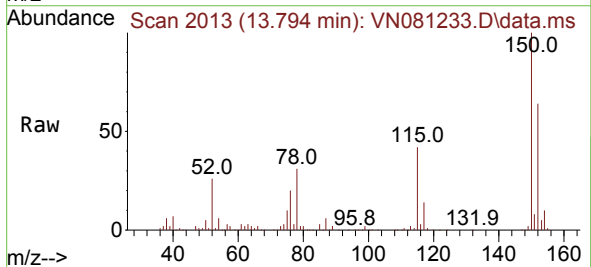
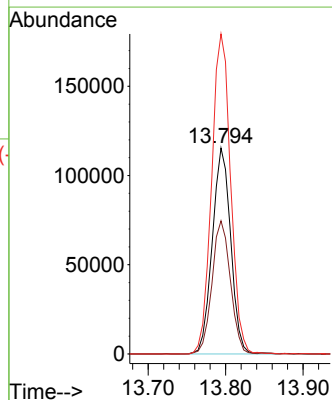
RT: 13.794 min Scan# 2013

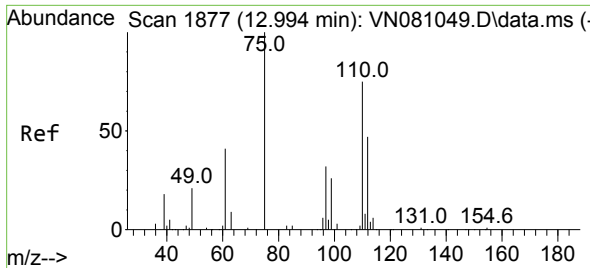
Delta R.T. -0.000 min

Lab File: VN081233.D

Acq: 27 Feb 2024 20:48

Tgt Ion:	152	Resp:	191493
Ion Ratio	Lower	Upper	
152	100		
115	64.4	32.3	96.8
150	159.7	0.0	339.8

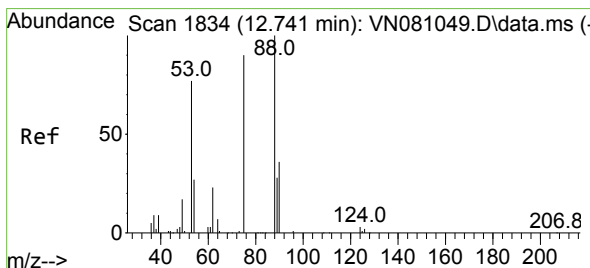
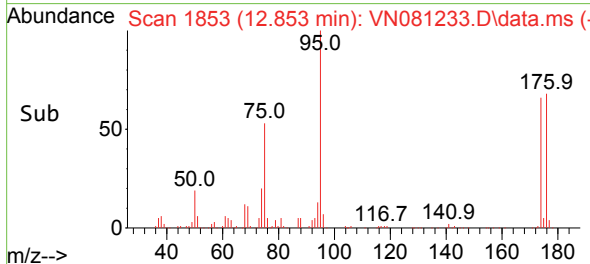
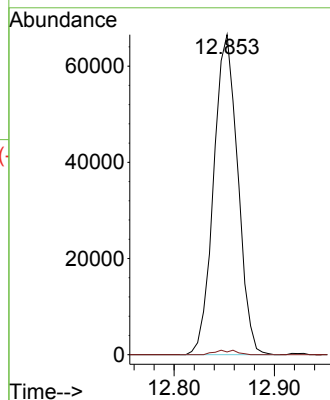
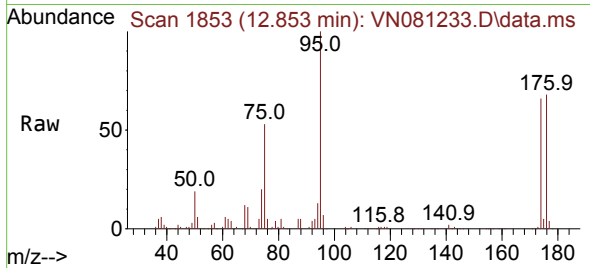




#76
1,2,3-Trichloropropane
Concen: 25.570 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20240222

Tgt Ion: 75 Resp: 111251
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.815 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081233.D
Acq: 27 Feb 2024 20:48

Tgt Ion: 75 Resp: 111251
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

