

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081220.D
 Acq On : 27 Feb 2024 15:35
 Operator : JC\MD
 Sample : P1590-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20240222

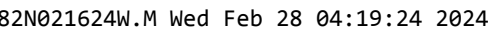
Quant Time: Feb 28 04:19:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

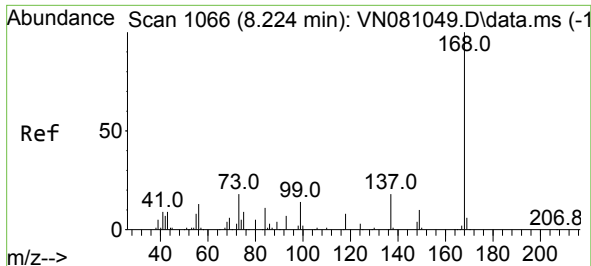
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	316987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	522958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	213012	54.824	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.640%	
35) Dibromofluoromethane	8.171	113	168837	49.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.660%	
50) Toluene-d8	10.571	98	654742	54.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.820%	
62) 4-Bromofluorobenzene	12.853	95	208063	46.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	968	Below Cal	#	43
5) Bromomethane	2.971	94	720	0.223	ug/l #	49
6) Chloroethane	3.118	64	146	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.365	101	4558	1.229	ug/l #	42
12) 1,1-Dichloroethene	4.342	96	1570	0.438	ug/l #	72
13) Acrolein	4.183	56	407	1.063	ug/l	94
16) Acetone	4.436	43	2103	1.376	ug/l #	87
20) Methylene Chloride	5.283	84	1501	Below Cal	#	60
27) cis-1,2-Dichloroethene	7.500	96	1356	0.292	ug/l	75
31) Cyclohexane	8.229	56	9160	1.365	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	29790	5.132	ug/l #	52
38) Carbon Tetrachloride	8.229	117	37504	6.386	ug/l #	18
39) Methylcyclohexane	9.359	83	3580	0.529	ug/l #	1
43) Isopropyl Acetate	8.653	43	46526	5.078	ug/l #	57
44) Trichloroethene	9.359	130	244847	54.714	ug/l	99
49) 1,4-Dioxane	9.700	88	95	Below Cal	#	18
60) Dibromochloromethane	11.112	129	2298	0.529	ug/l #	10
64) Tetrachloroethene	11.112	164	2401	0.673	ug/l #	80
76) 1,2,3-Trichloropropane	12.853	75	112947	24.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112947	63.257	ug/l #	14

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

Quant Time: Feb 28 04:19:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
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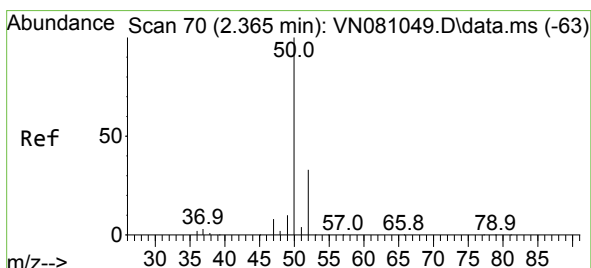
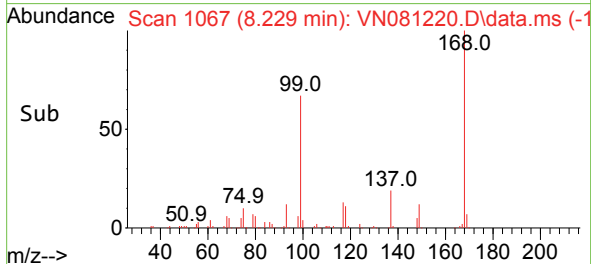
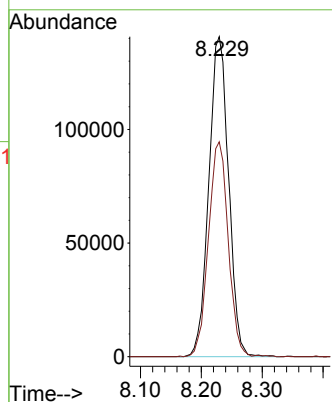
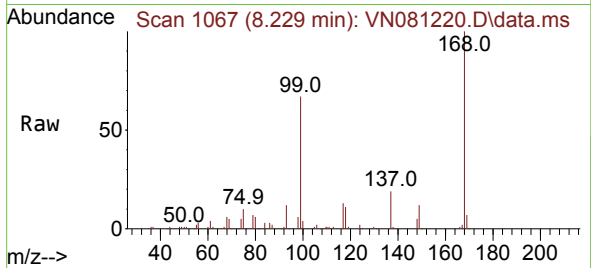




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

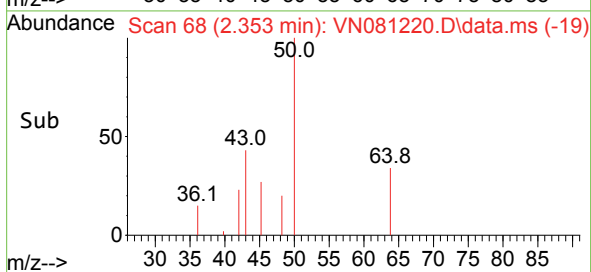
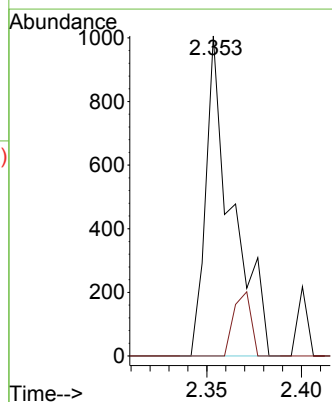
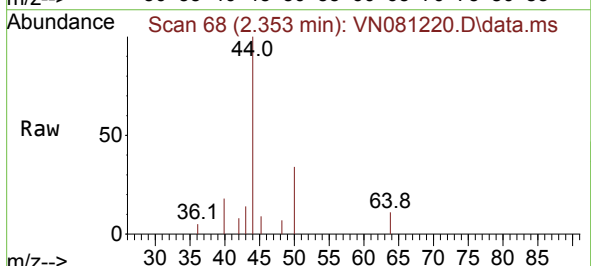
Instrument :
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RE120D1-20240222

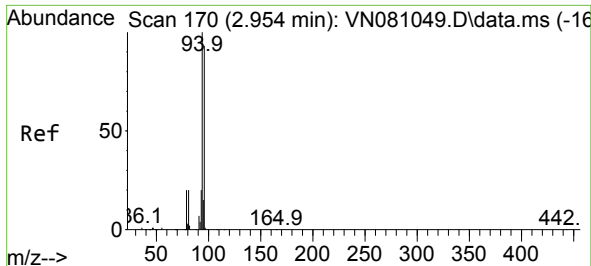
Tgt Ion:168 Resp: 316987
Ion Ratio Lower Upper
168 100
99 67.2 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.012 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 50 Resp: 968
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

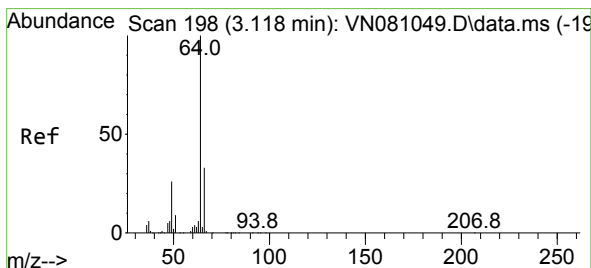
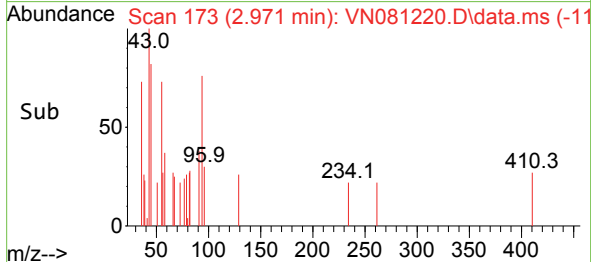
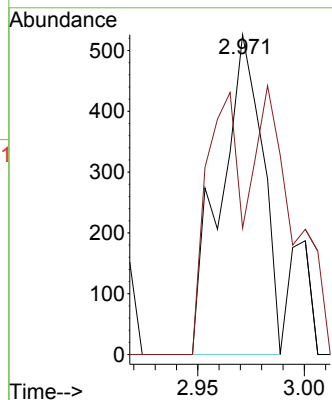
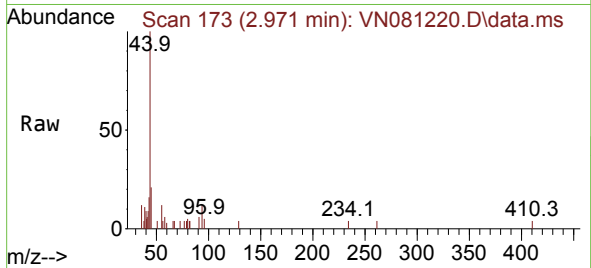




#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

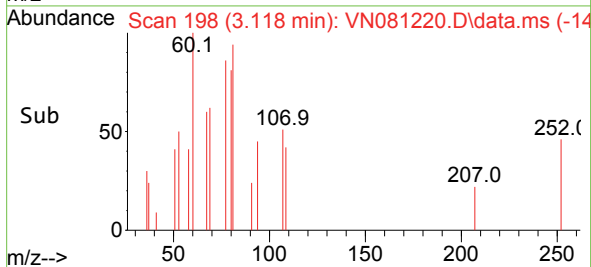
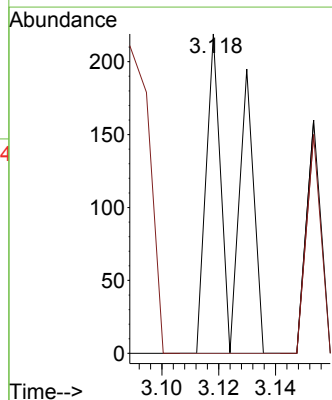
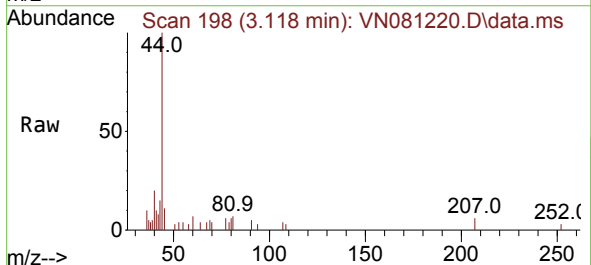
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

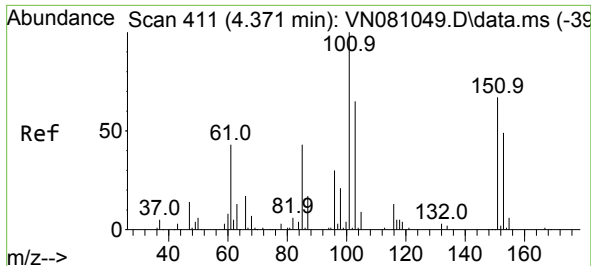
Tgt Ion: 94 Resp: 720
Ion Ratio Lower Upper
94 100
96 39.5 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

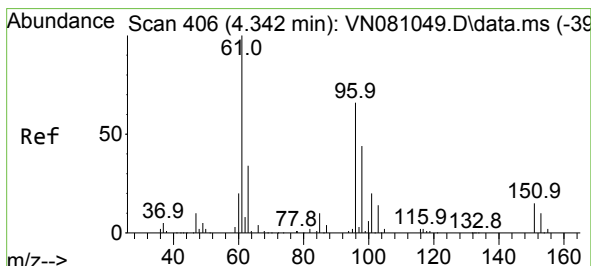
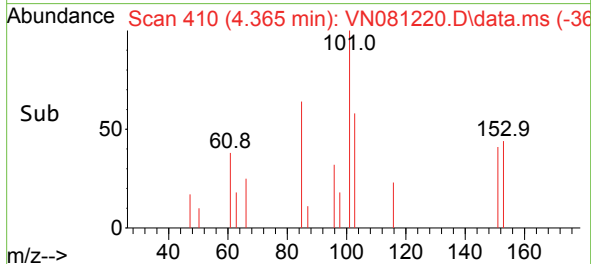
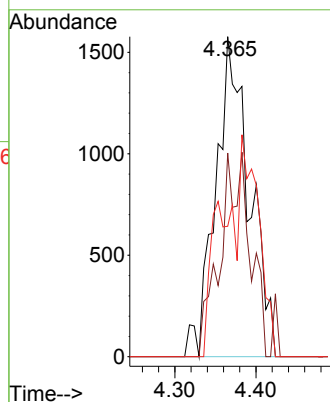
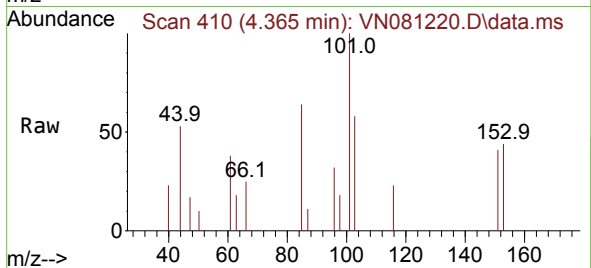




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.229 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

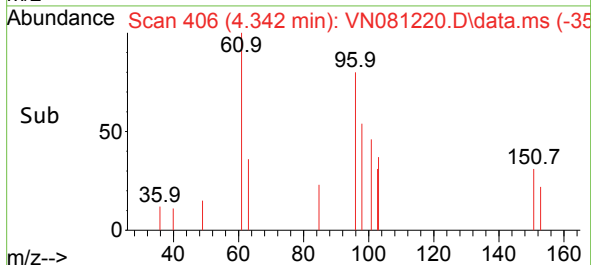
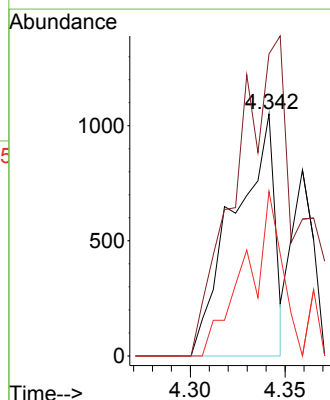
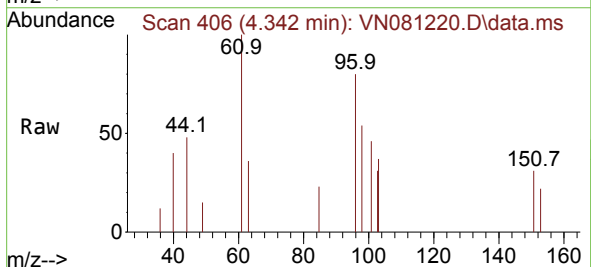
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

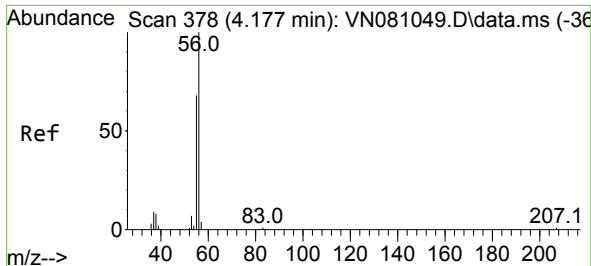
Tgt Ion:101 Resp: 4558
Ion Ratio Lower Upper
101 100
85 0.0 38.1 57.1#
151 24.5 49.1 73.7#



#12
1,1-Dichloroethene
Concen: 0.438 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 96 Resp: 1570
Ion Ratio Lower Upper
96 100
61 124.8 138.2 207.4#
98 67.9 49.2 73.8

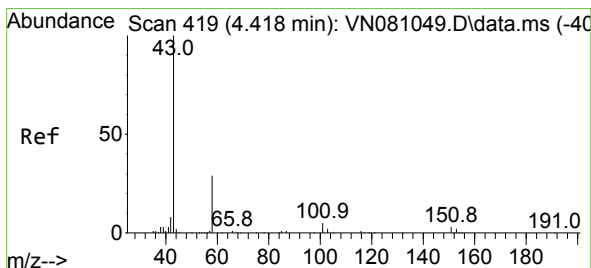
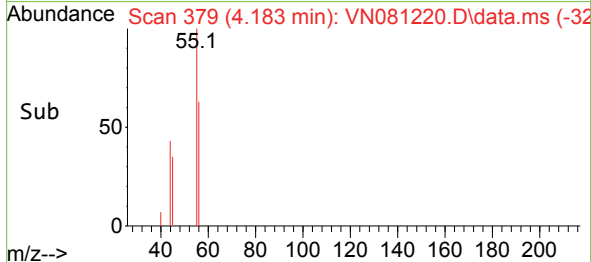
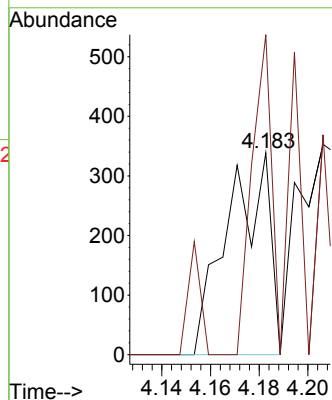
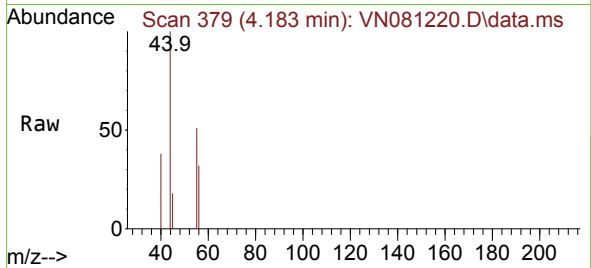




#13
Acrolein
Concen: 1.063 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

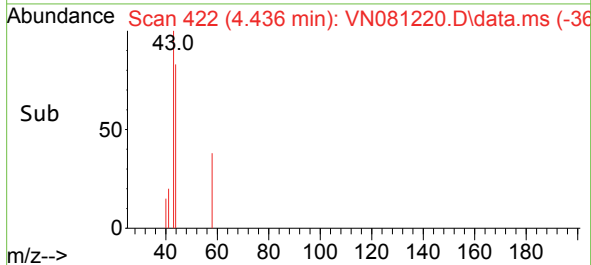
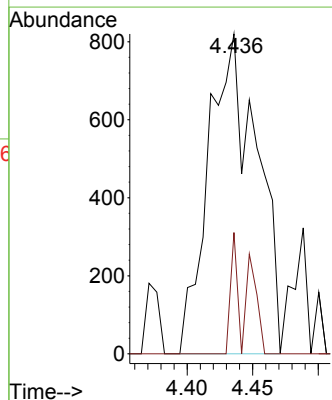
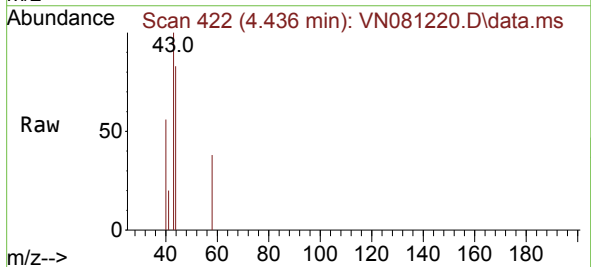
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

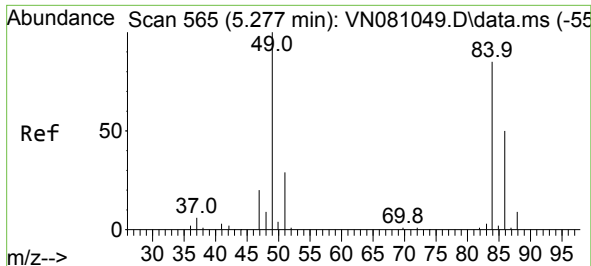
Tgt Ion: 56 Resp: 407
Ion Ratio Lower Upper
56 100
55 74.2 55.3 82.9



#16
Acetone
Concen: 1.376 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.017 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

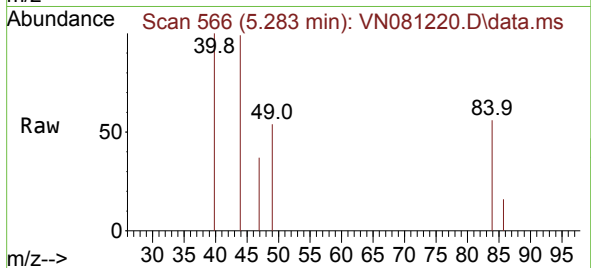
Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 37.9 24.8 37.2#



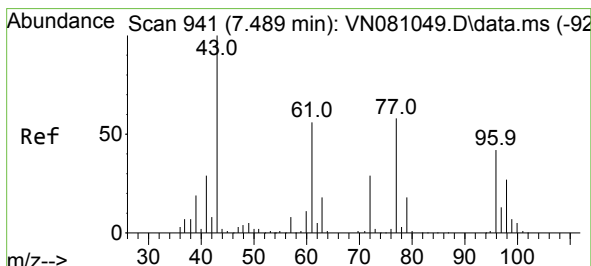
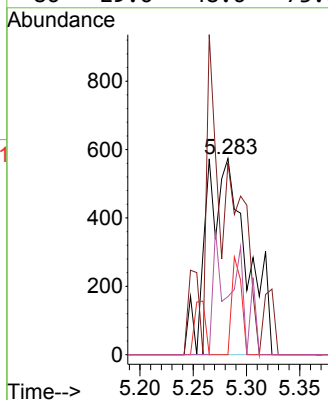
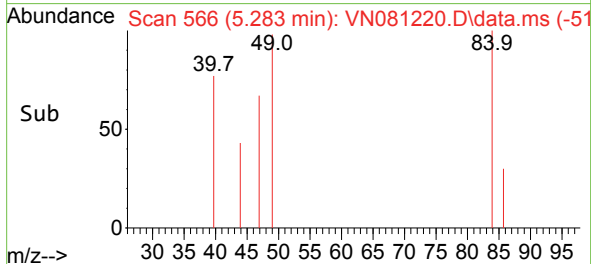


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

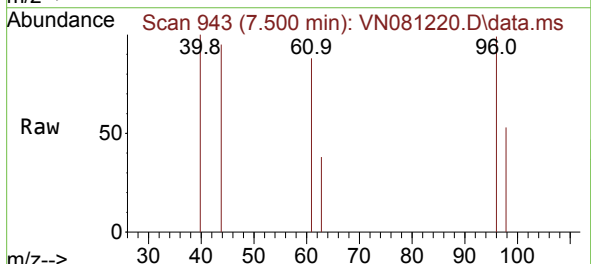
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222



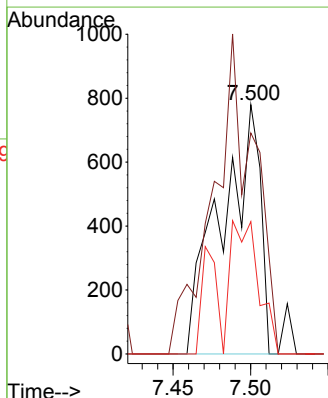
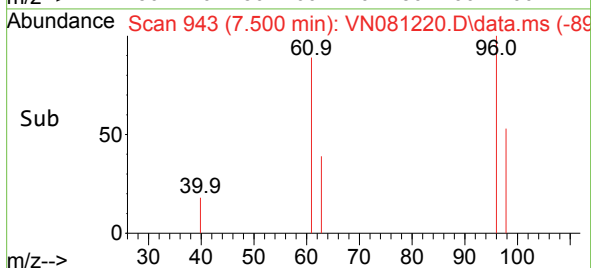
Tgt Ion: 84 Resp: 1501
Ion Ratio Lower Upper
84 100
49 97.7 108.1 162.1#
51 0.0 32.9 49.3#
86 29.6 48.6 73.0#

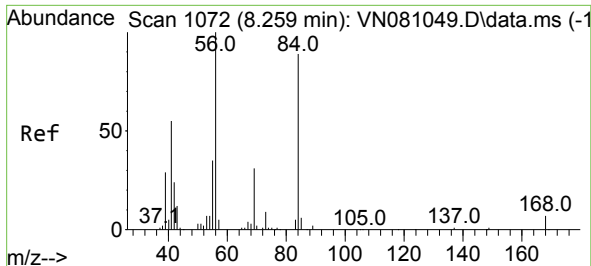


#27
cis-1,2-Dichloroethene
Concen: 0.292 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35



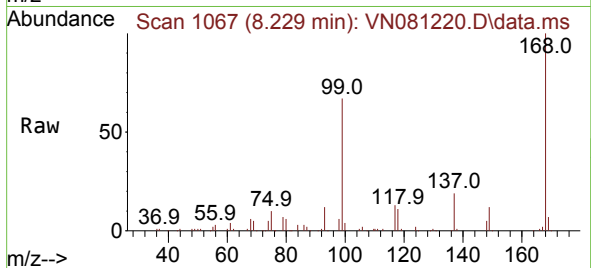
Tgt Ion: 96 Resp: 1356
Ion Ratio Lower Upper
96 100
61 134.1 0.0 325.4
98 38.8 0.0 130.4



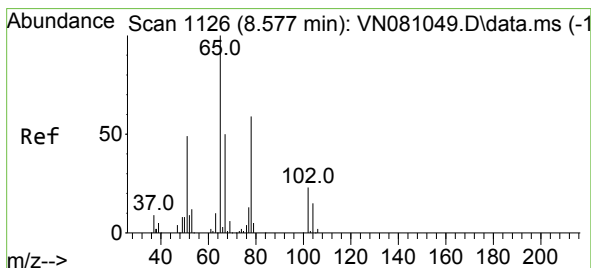
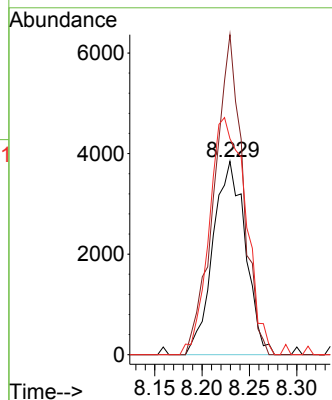
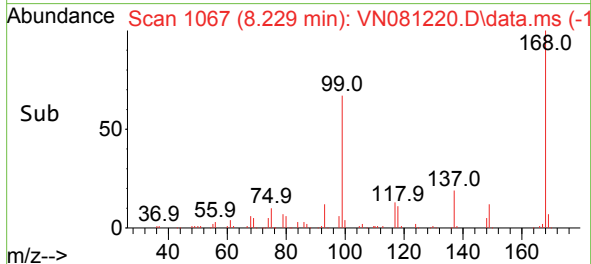


#31
Cyclohexane
Concen: 1.365 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Instrument :
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ClientSampleId :
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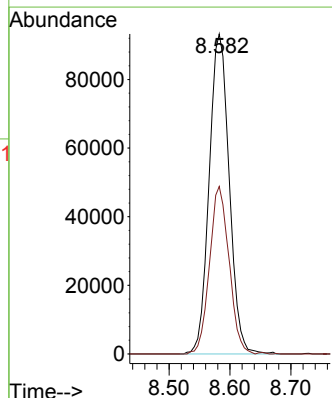
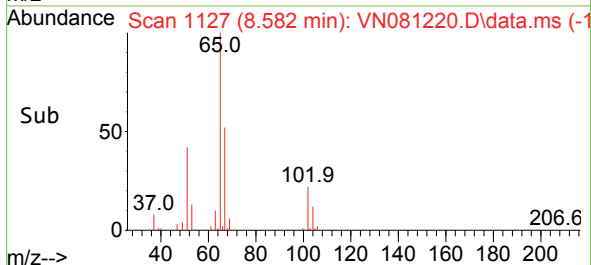
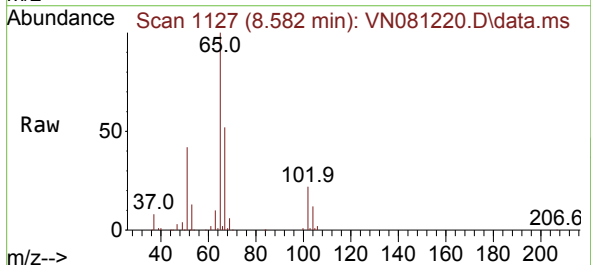


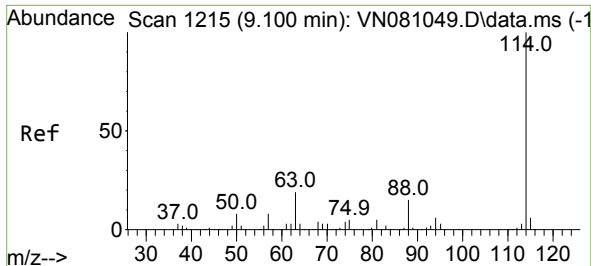
Tgt Ion: 56 Resp: 9160
Ion Ratio Lower Upper
56 100
69 165.6 20.1 30.1#
84 111.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.824 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 65 Resp: 213012
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4

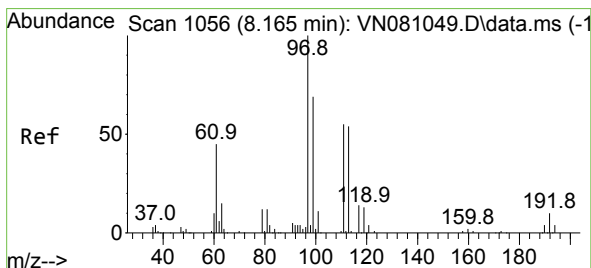
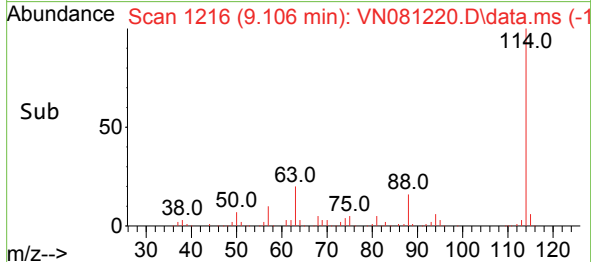
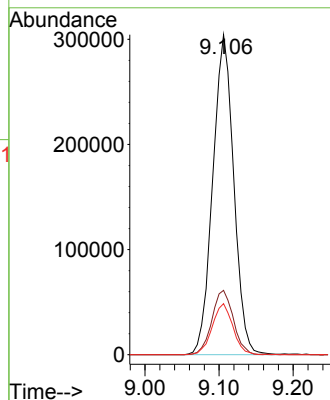
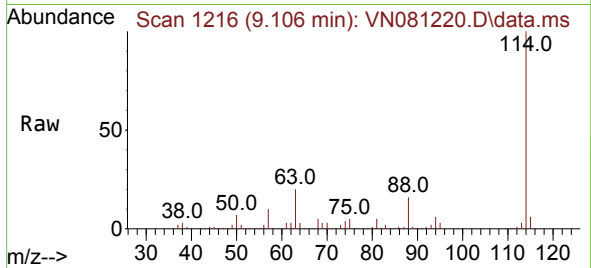




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

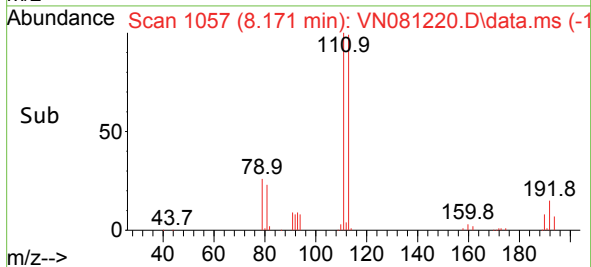
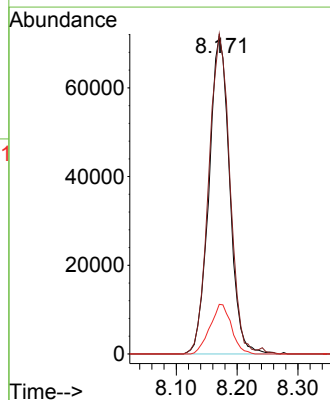
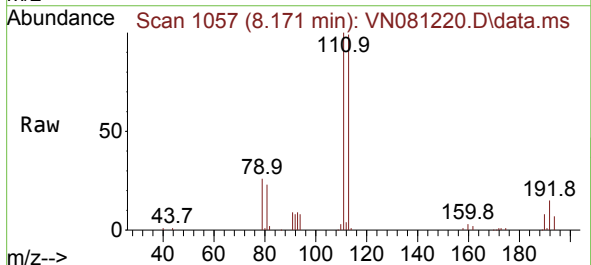
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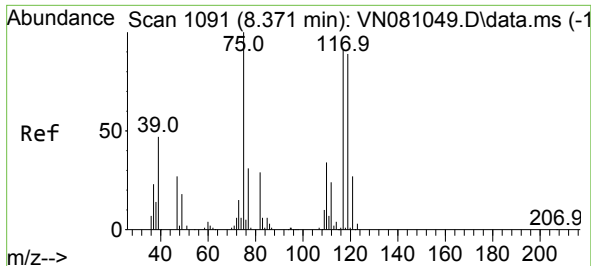
Tgt Ion:114 Resp: 599183
Ion Ratio Lower Upper
114 100
63 20.1 0.0 48.0
88 16.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion:113 Resp: 168837
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 16.2 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.132 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081220.D

Acq: 27 Feb 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20240222

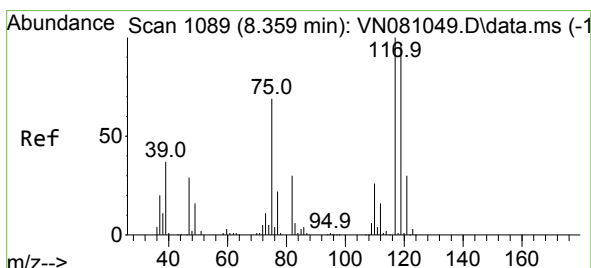
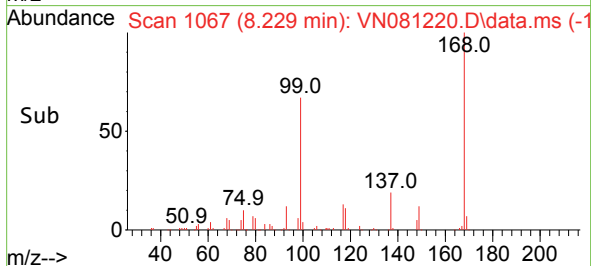
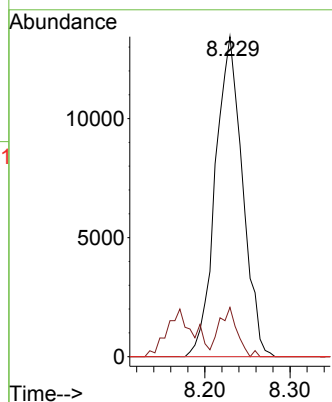
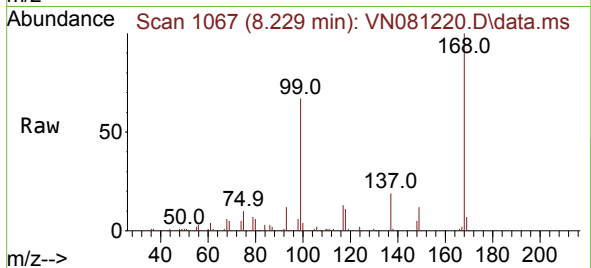
Tgt Ion: 75 Resp: 29790

Ion Ratio Lower Upper

75 100

110 10.3 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.386 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081220.D

Acq: 27 Feb 2024 15:35

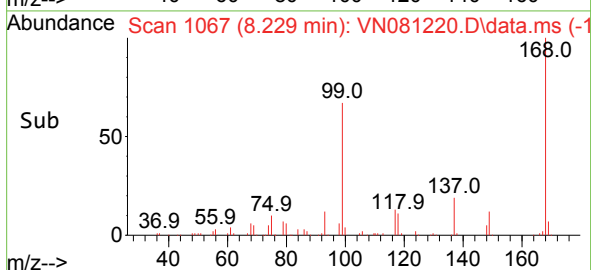
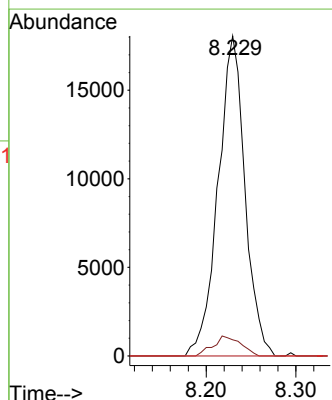
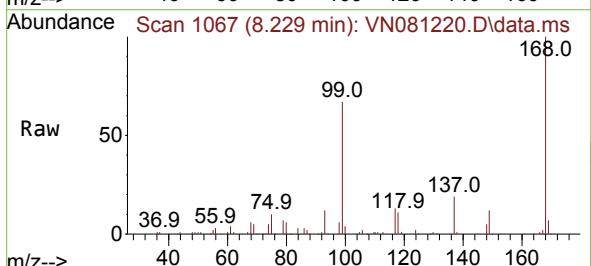
Tgt Ion: 117 Resp: 37504

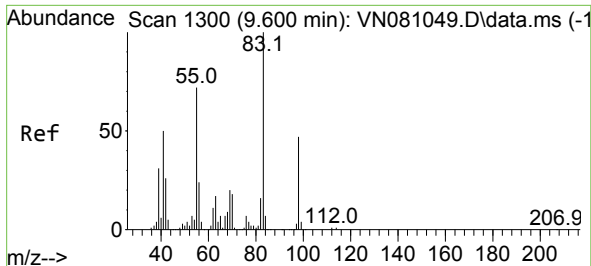
Ion Ratio Lower Upper

117 100

119 5.0 73.4 110.2#

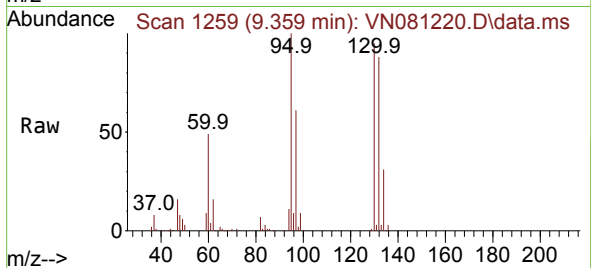
121 0.0 24.4 36.6#



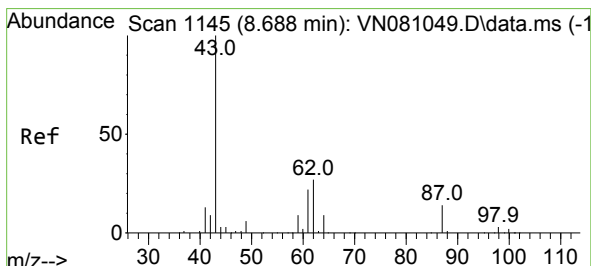
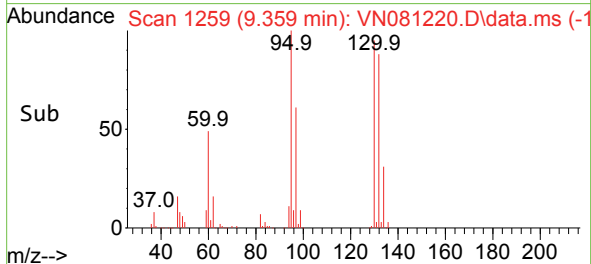
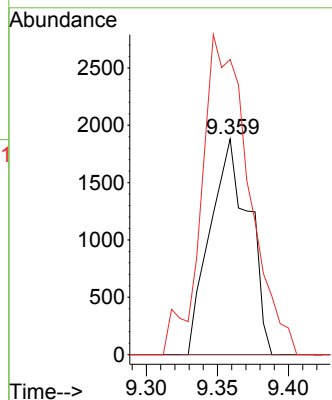


#39
Methylcyclohexane
Concen: 0.529 ug/l
RT: 9.359 min Scan# 1139
Delta R.T. -0.241 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

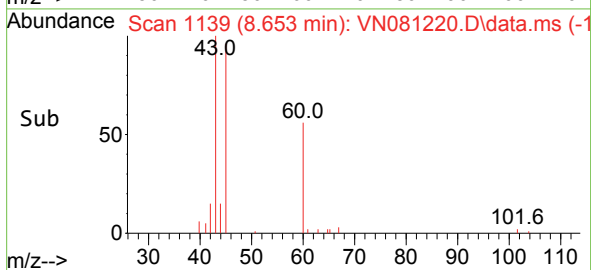
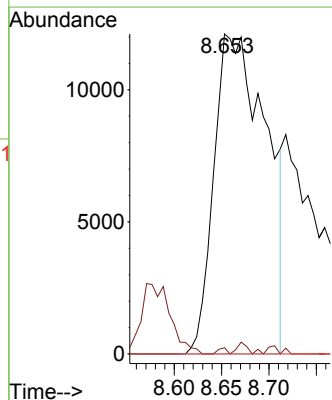
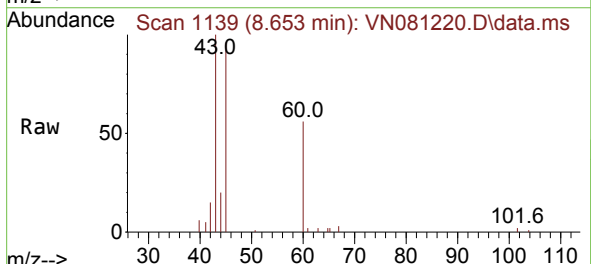


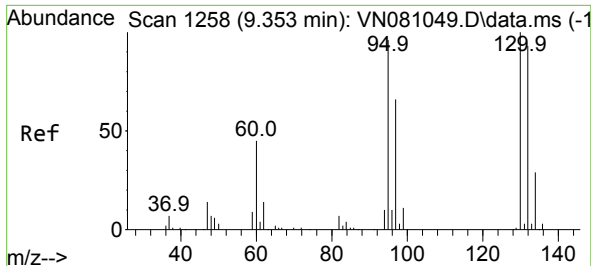
Tgt Ion: 83 Resp: 3580
Ion Ratio Lower Upper
83 100
55 0.0 65.7 98.5#
98 122.5 33.8 50.6#



#43
Isopropyl Acetate
Concen: 5.078 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 43 Resp: 46526
Ion Ratio Lower Upper
43 100
61 0.7 19.9 29.9#
87 0.0 9.0 13.6#

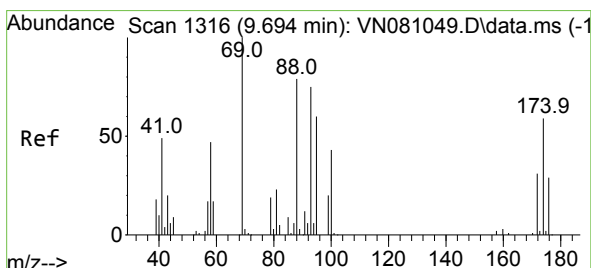
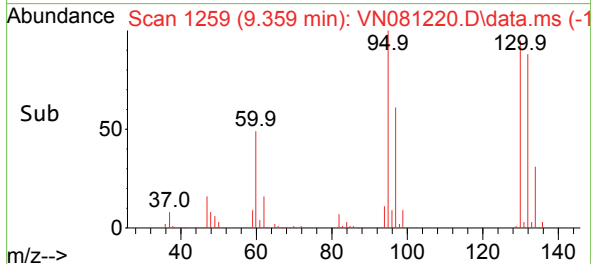
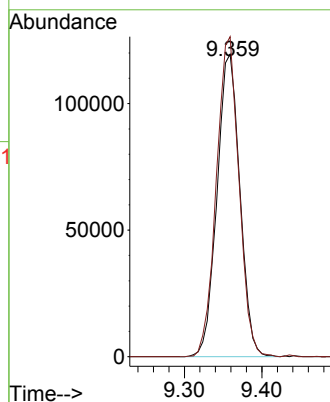
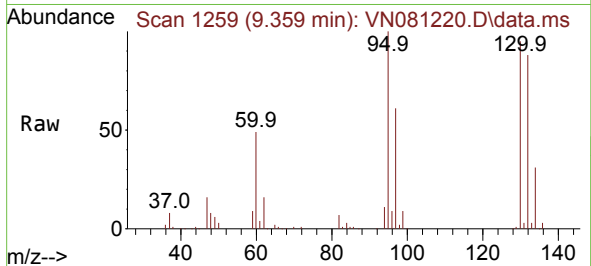




#44
Trichloroethene
Concen: 54.714 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

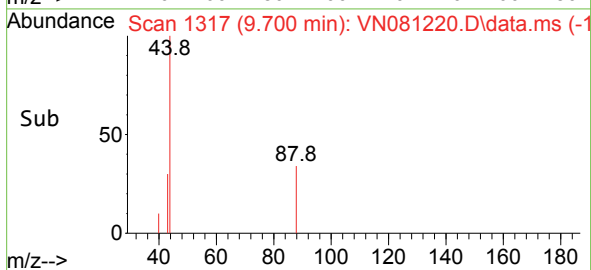
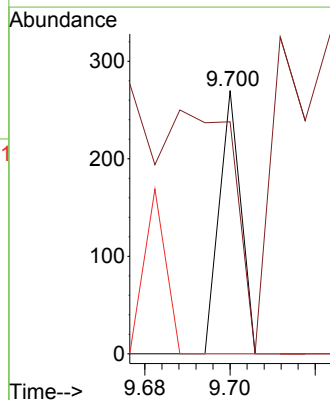
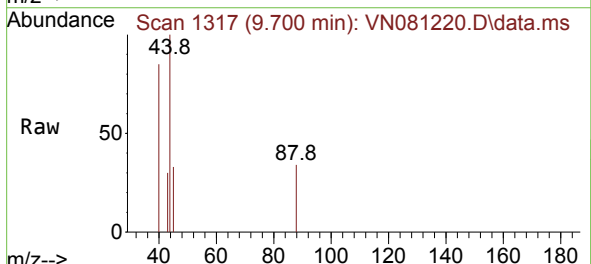
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

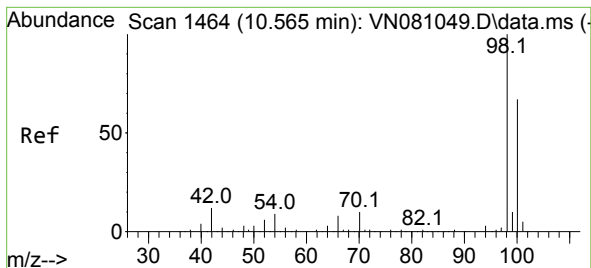
Tgt Ion:130 Resp: 244847
Ion Ratio Lower Upper
130 100
95 105.8 0.0 210.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 54.408 ug/l

RT: 10.571 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN081220.D

Acq: 27 Feb 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

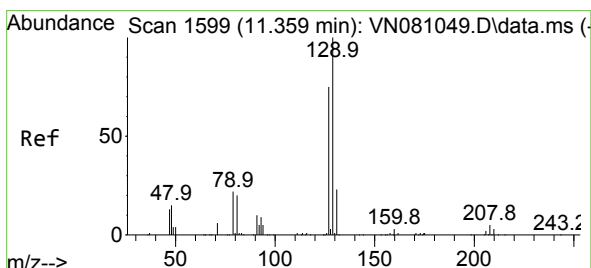
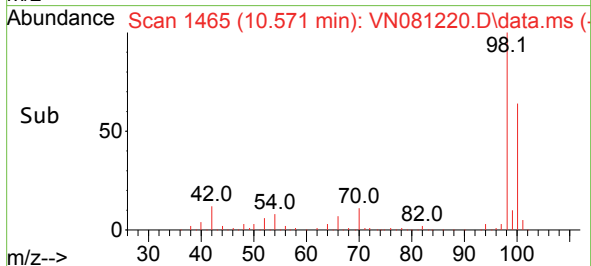
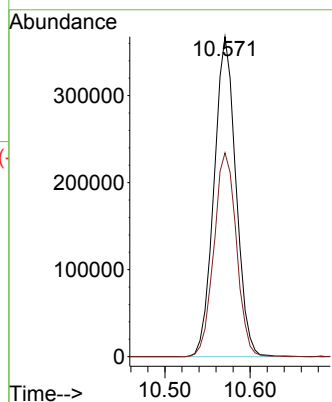
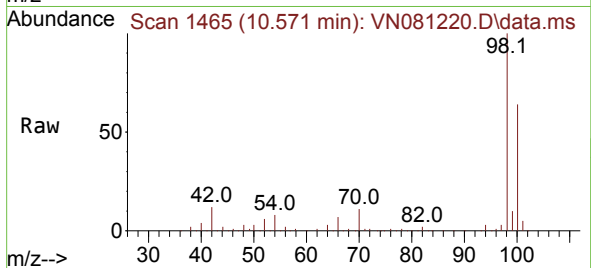
RE120D1-20240222

Tgt Ion: 98 Resp: 654742

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0



#60

Dibromochloromethane

Concen: 0.529 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.247 min

Lab File: VN081220.D

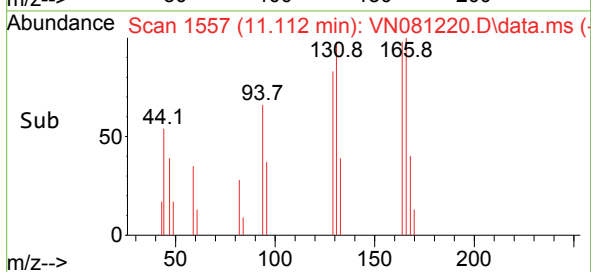
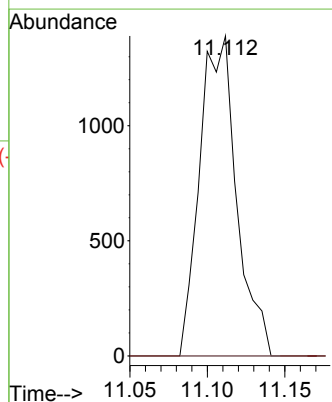
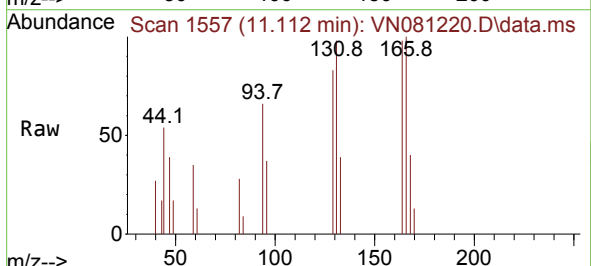
Acq: 27 Feb 2024 15:35

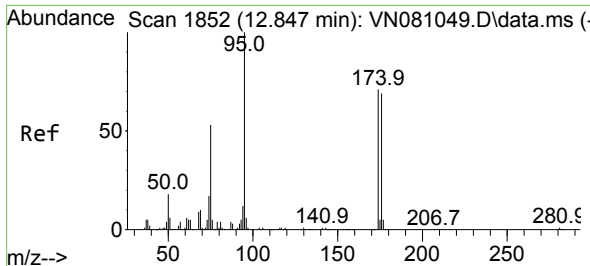
Tgt Ion: 129 Resp: 2298

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.2#

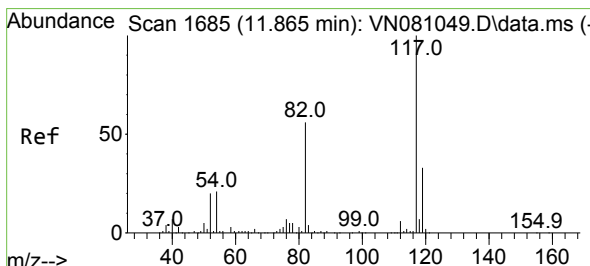
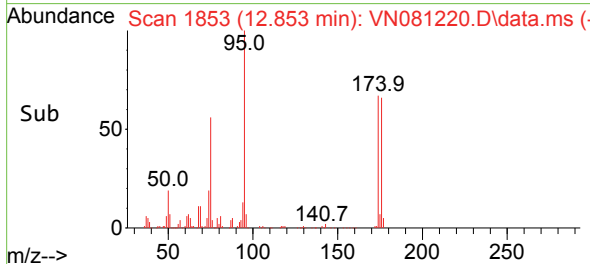
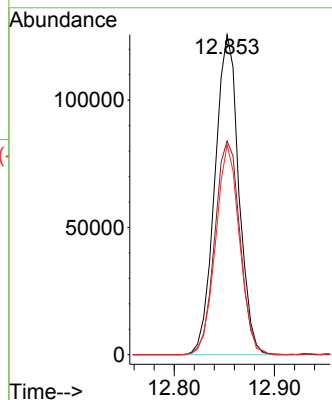
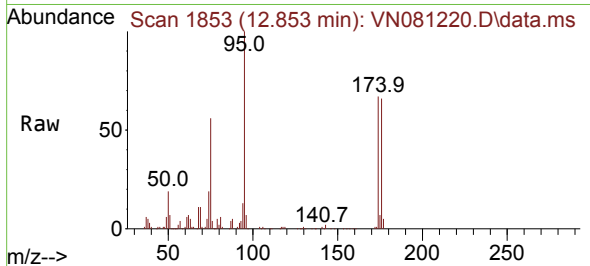




#62
4-Bromofluorobenzene
Concen: 46.013 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

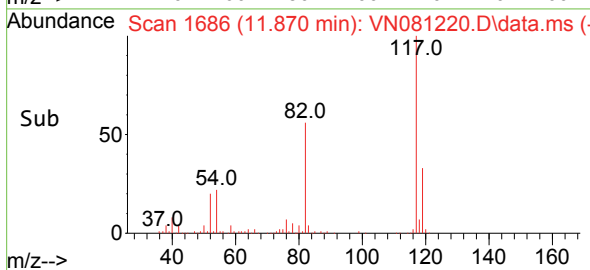
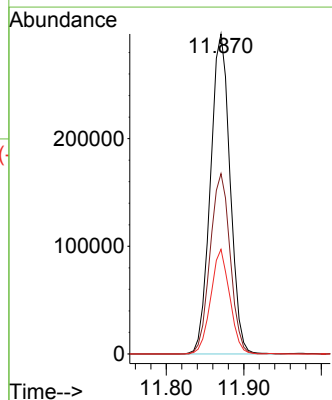
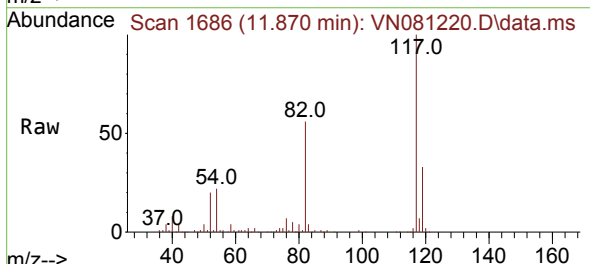
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

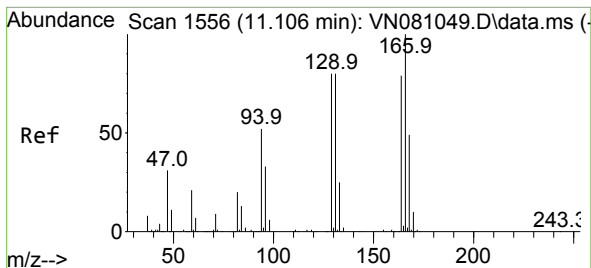
Tgt Ion:	95	Resp:	208063
Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	120.4
176	65.7	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion:	117	Resp:	522958
Ion	Ratio	Lower	Upper
117	100		
82	56.3	52.7	79.1
119	32.7	25.3	37.9





#64

Tetrachloroethene

Concen: 0.673 ug/l

RT: 11.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081220.D

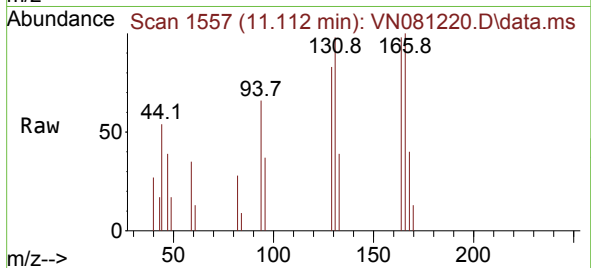
Acq: 27 Feb 2024 15:35

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20240222



Tgt Ion:164 Resp: 2401

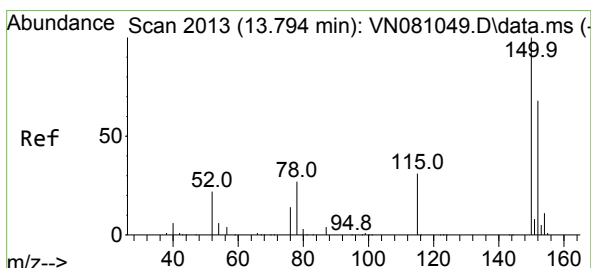
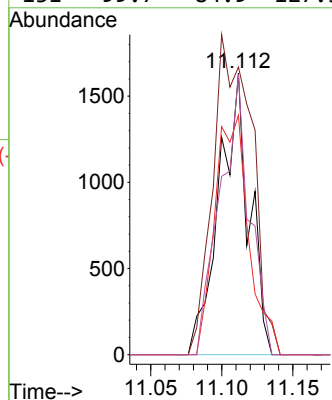
Ion Ratio Lower Upper

164 100

166 102.1 105.8 158.6#

129 85.1 89.6 134.4#

131 99.7 84.9 127.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081220.D

Acq: 27 Feb 2024 15:35

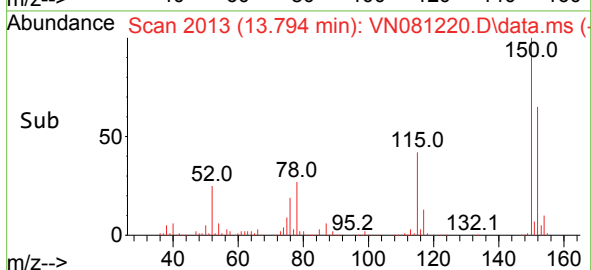
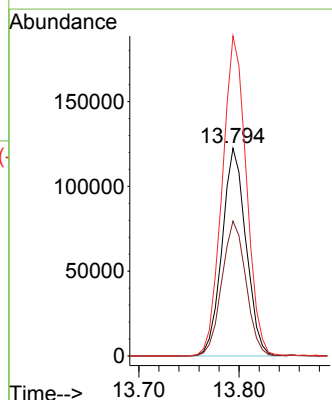
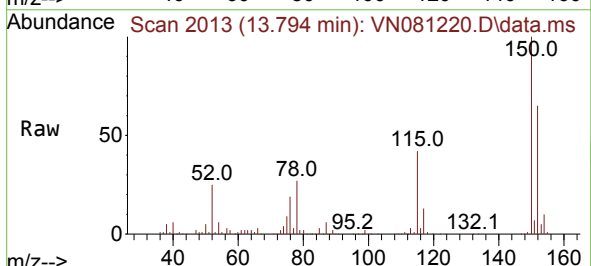
Tgt Ion:152 Resp: 202275

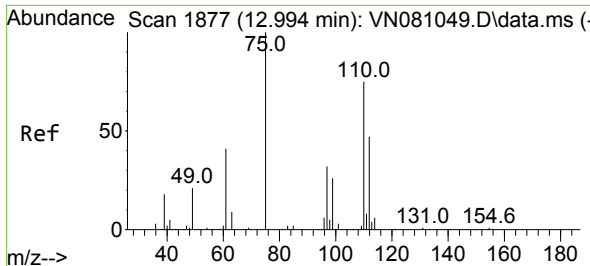
Ion Ratio Lower Upper

152 100

115 65.5 32.3 96.8

150 156.3 0.0 339.8

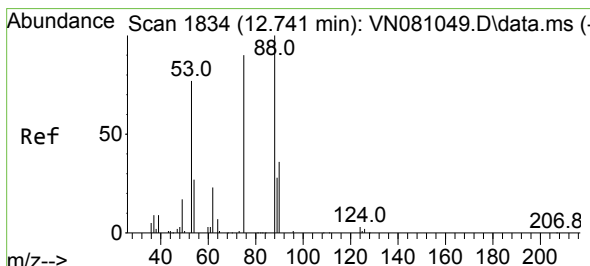
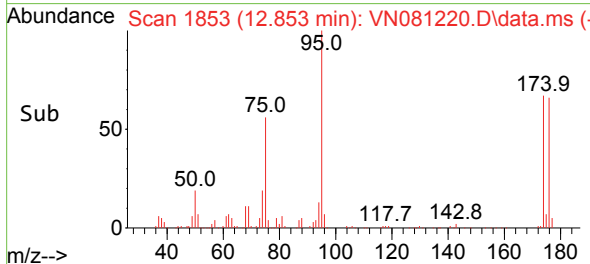
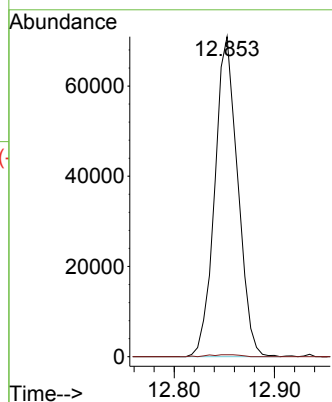
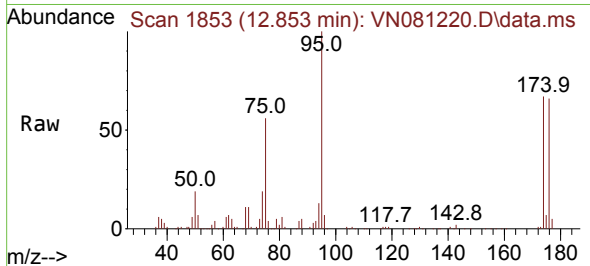




#76
1,2,3-Trichloropropane
Concen: 24.576 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20240222

Tgt Ion: 75 Resp: 112947
Ion Ratio Lower Upper
75 100
77 0.9 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.257 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081220.D
Acq: 27 Feb 2024 15:35

Tgt Ion: 75 Resp: 112947
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#

