

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081227.D
 Acq On : 27 Feb 2024 18:24
 Operator : JC\MD
 Sample : P1590-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT188S1-20240222

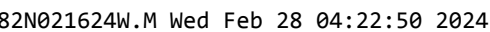
Quant Time: Feb 28 04:22:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

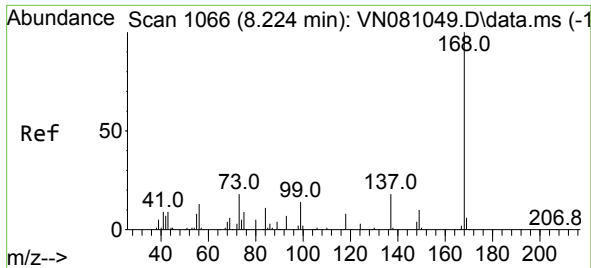
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	315782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	517002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	217604	56.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.440%
35) Dibromofluoromethane	8.171	113	170699	51.446	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.900%
50) Toluene-d8	10.571	98	650537	55.201	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.400%
62) 4-Bromofluorobenzene	12.853	95	208402	47.063	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	844	Below Cal	#	43
5) Bromomethane	2.971	94	976	0.303	ug/l	100
6) Chloroethane	3.130	64	56	Below Cal	#	42
13) Acrolein	4.183	56	337	0.883	ug/l	# 22
16) Acetone	4.447	43	4169	2.737	ug/l	# 89
20) Methylene Chloride	5.283	84	264	Below Cal	#	43
24) 1,1-Dichloroethane	6.571	63	1531	0.220	ug/l	# 85
31) Cyclohexane	8.235	56	8911	1.333	ug/l	# 28
36) 1,1-Dichloropropene	8.230	75	29904	5.261	ug/l	# 46
38) Carbon Tetrachloride	8.230	117	37748	6.564	ug/l	# 18
43) Isopropyl Acetate	8.688	43	5879	0.655	ug/l	# 57
44) Trichloroethene	9.359	130	18097	4.129	ug/l	91
49) 1,4-Dioxane	9.712	88	59	Below Cal	#	1
52) Toluene	10.629	92	8056	0.773	ug/l	94
64) Tetrachloroethene	11.106	164	849	0.241	ug/l	# 59
65) Chlorobenzene	11.888	112	2703	0.242	ug/l	# 71
76) 1,2,3-Trichloropropane	12.853	75	113955	24.377	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	113955	62.746	ug/l	# 14

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

Quant Time: Feb 28 04:22:37 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

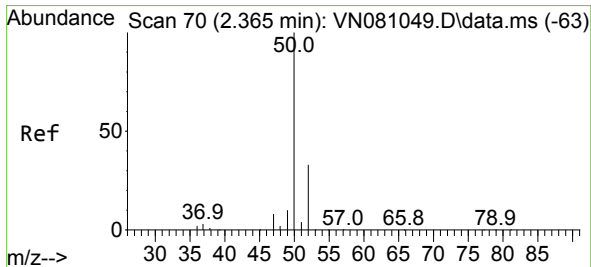
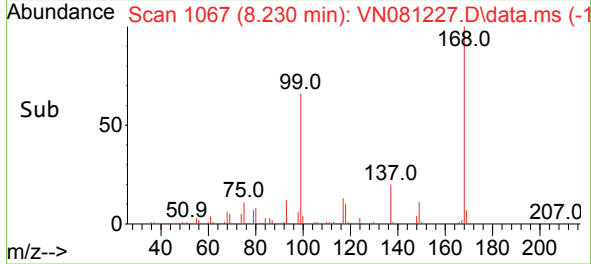
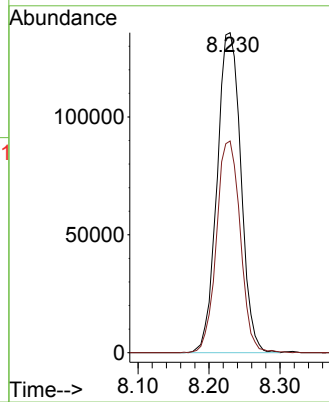
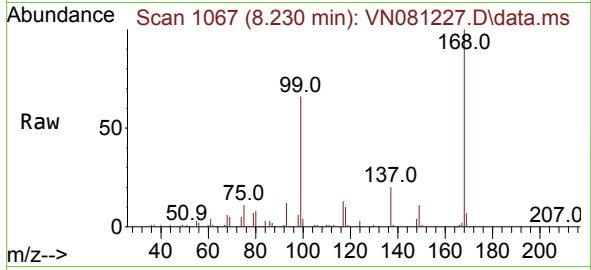




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

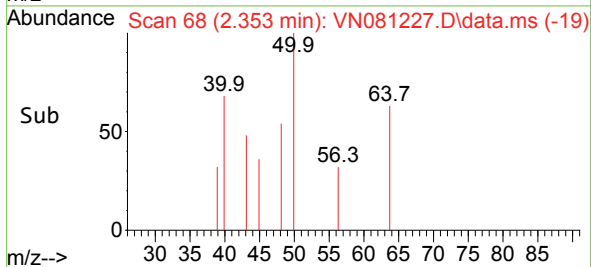
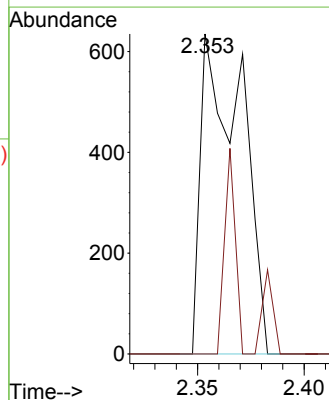
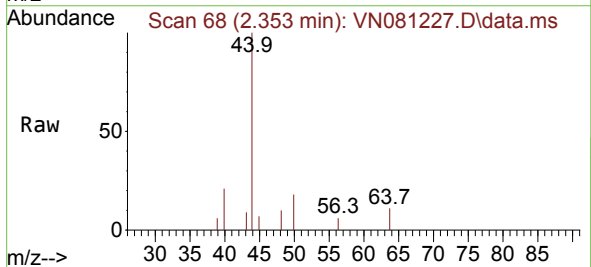
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

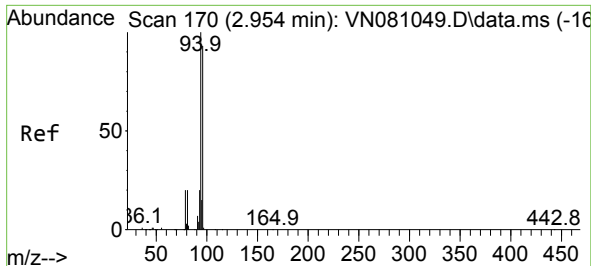
Tgt Ion:168 Resp: 315782
Ion Ratio Lower Upper
168 100
99 66.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.012 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion: 50 Resp: 844
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

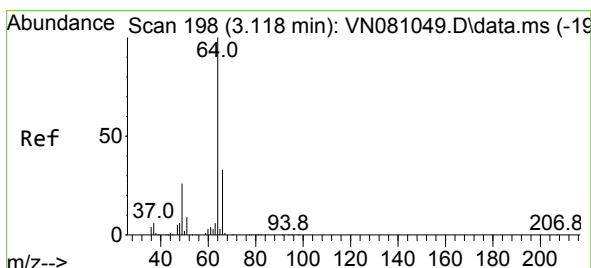
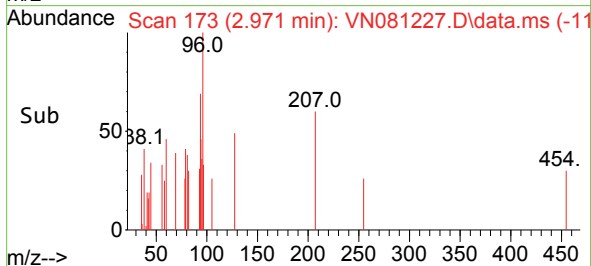
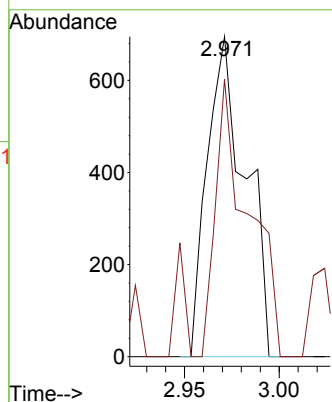
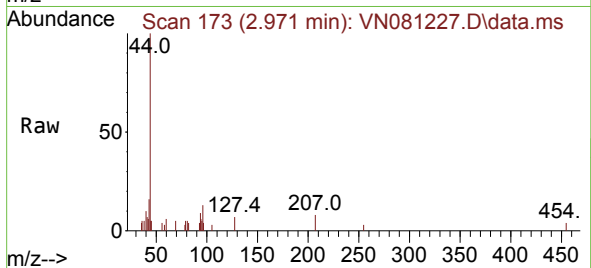




#5
Bromomethane
Concen: 0.303 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

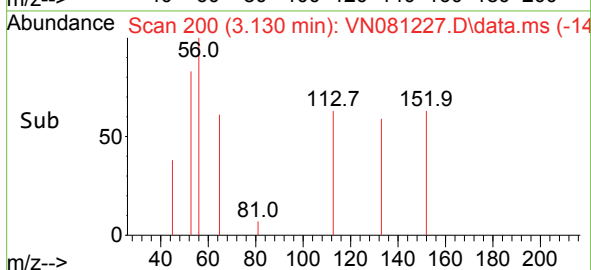
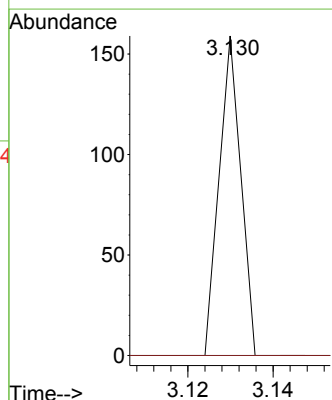
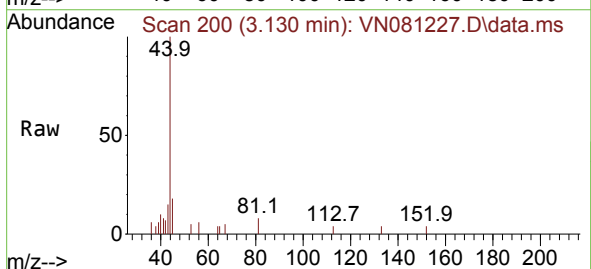
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

Tgt Ion: 94 Resp: 976
Ion Ratio Lower Upper
94 100
96 86.8 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

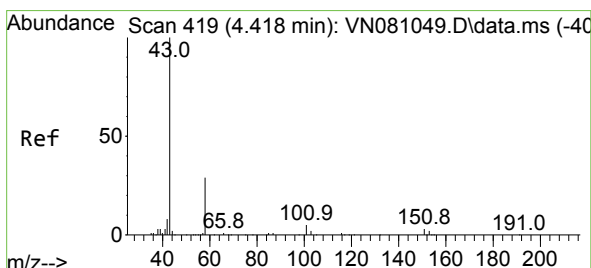
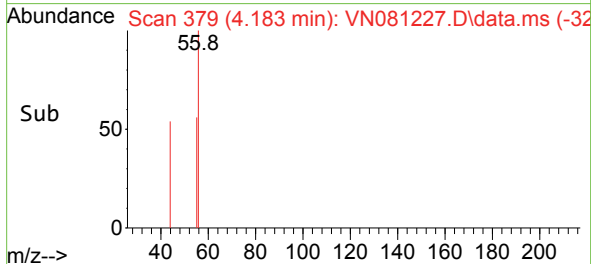
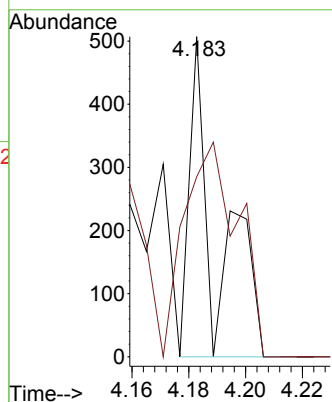
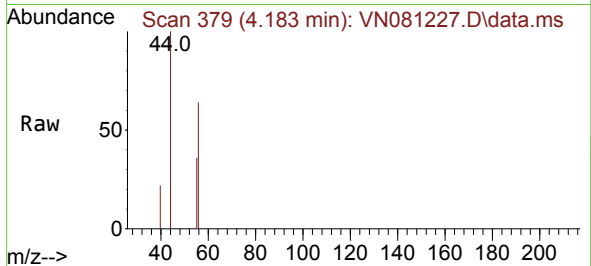




#13
Acrolein
Concen: 0.883 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

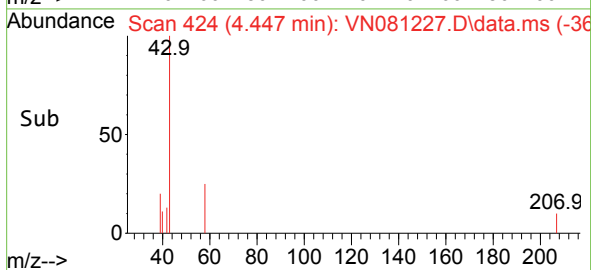
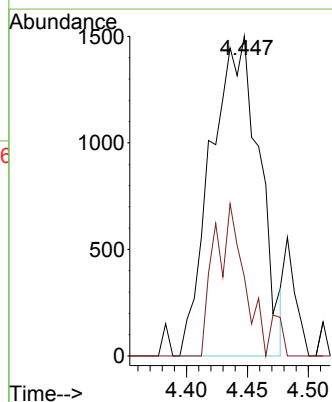
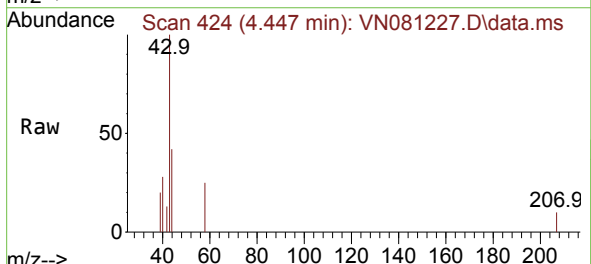
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

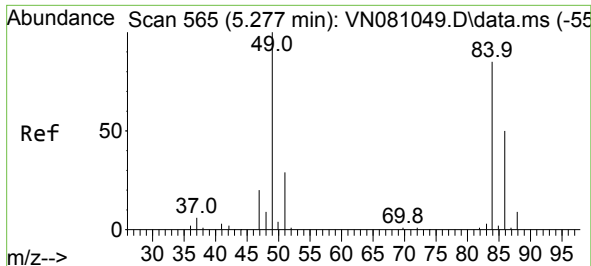
Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 132.6 55.3 82.9#



#16
Acetone
Concen: 2.737 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.029 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
43 100
58 24.8 24.8 37.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN081227.D

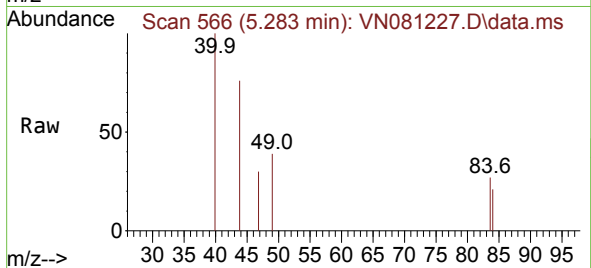
Acq: 27 Feb 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

TT188S1-20240222



Tgt Ion: 84 Resp: 264

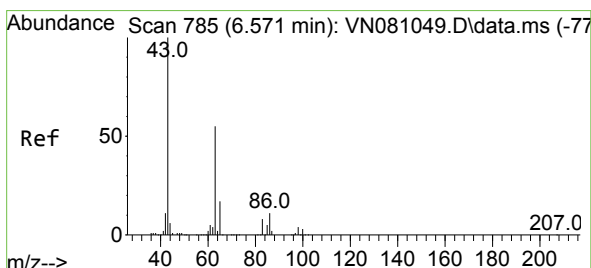
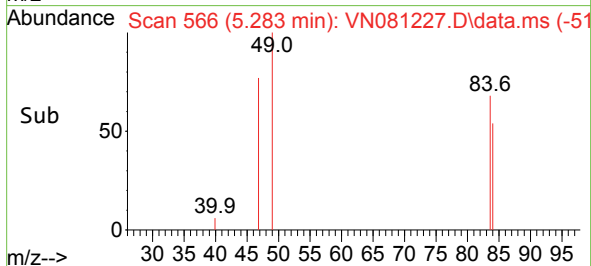
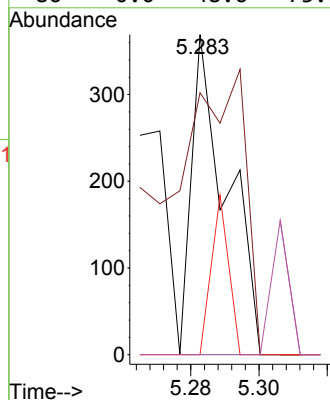
Ion Ratio Lower Upper

84 100

49 81.8 108.1 162.1#

51 0.0 32.9 49.3#

86 0.0 48.6 73.0#



#24

1,1-Dichloroethane

Concen: 0.220 ug/l

RT: 6.571 min Scan# 785

Delta R.T. -0.000 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

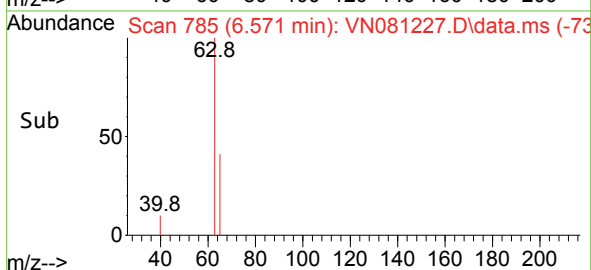
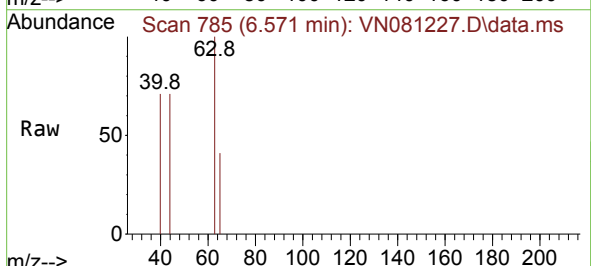
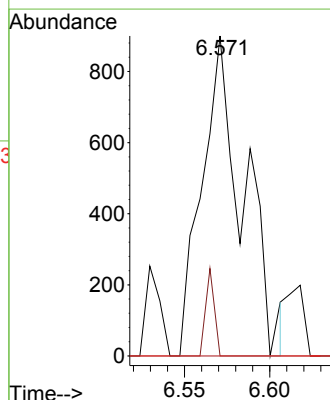
Tgt Ion: 63 Resp: 1531

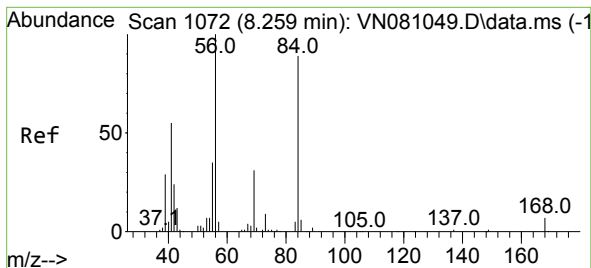
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

100 0.0 1.9 5.7#





#31

Cyclohexane

Concen: 1.333 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

TT188S1-20240222

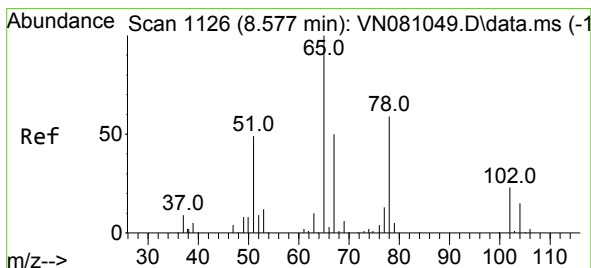
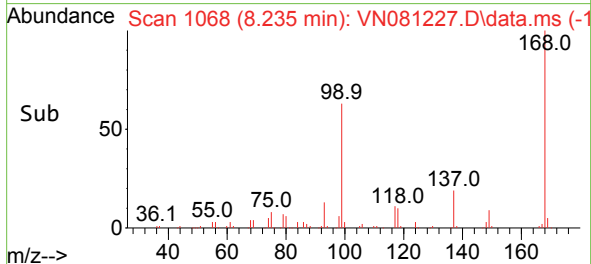
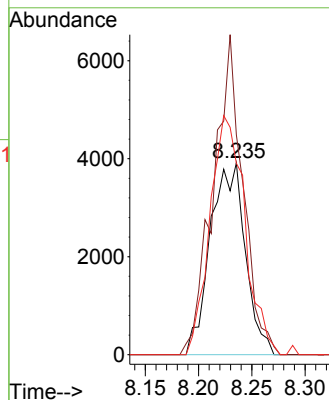
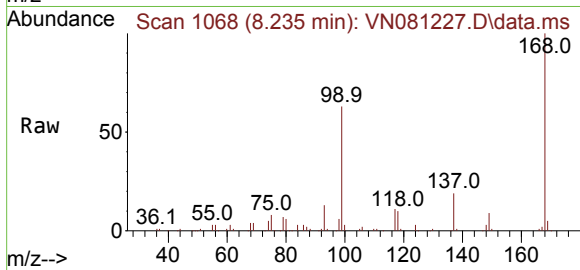
Tgt Ion: 56 Resp: 8911

Ion Ratio Lower Upper

56 100

69 114.6 20.1 30.1#

84 99.7 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 56.220 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081227.D

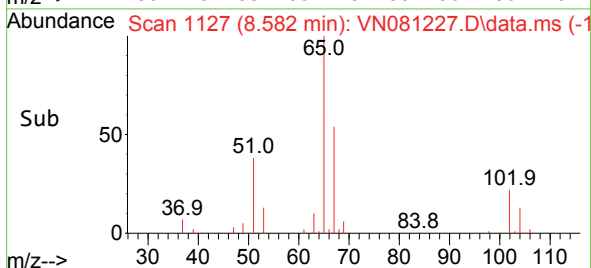
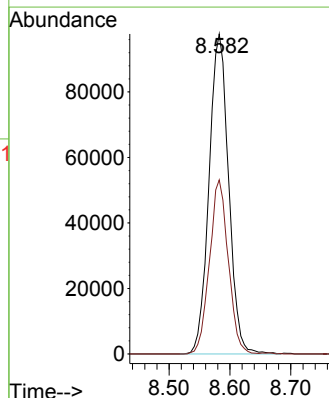
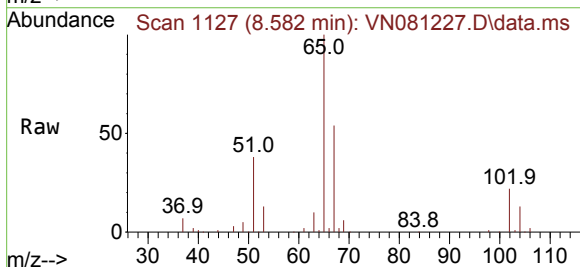
Acq: 27 Feb 2024 18:24

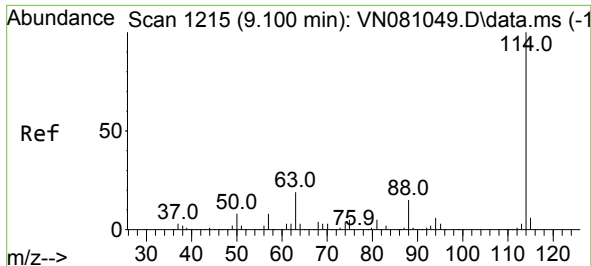
Tgt Ion: 65 Resp: 217604

Ion Ratio Lower Upper

65 100

67 52.2 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: VN081227.D

Acq: 27 Feb 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

TT188S1-20240222

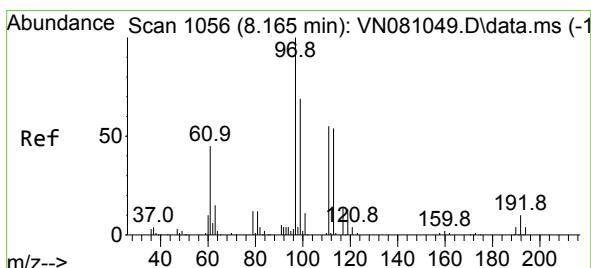
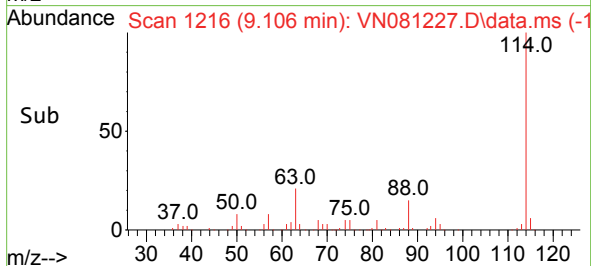
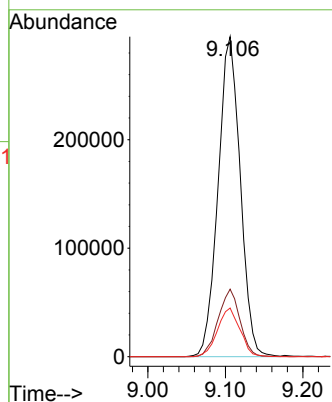
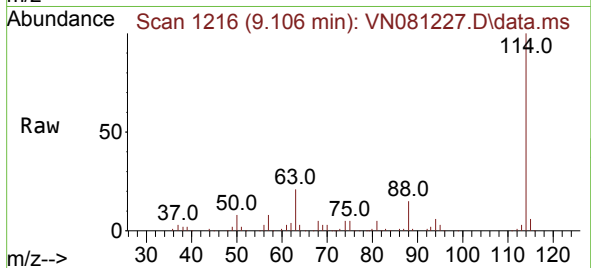
Tgt Ion:114 Resp: 586778

Ion Ratio Lower Upper

114 100

63 21.1 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.446 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

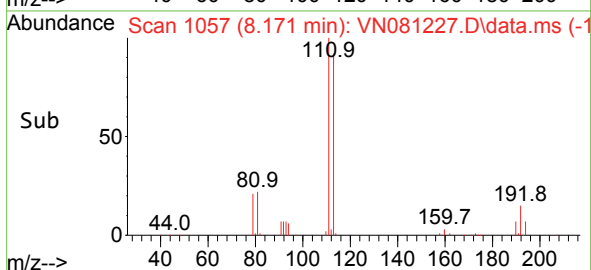
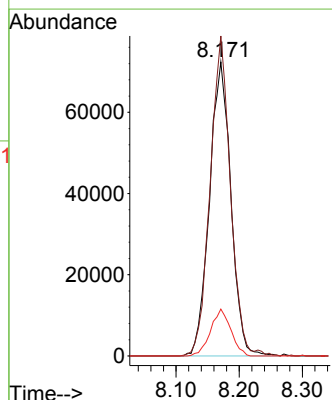
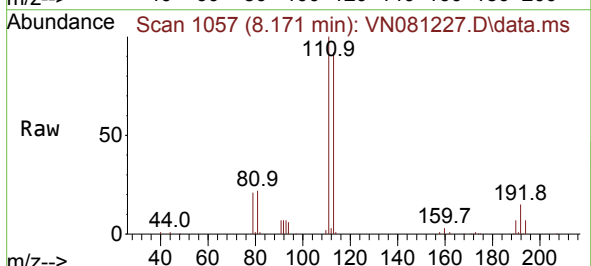
Tgt Ion:113 Resp: 170699

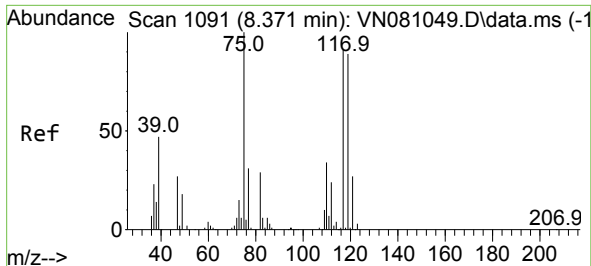
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 15.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.261 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081227.D

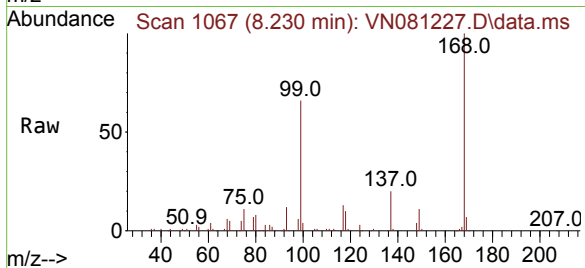
Acq: 27 Feb 2024 18:24

Instrument :

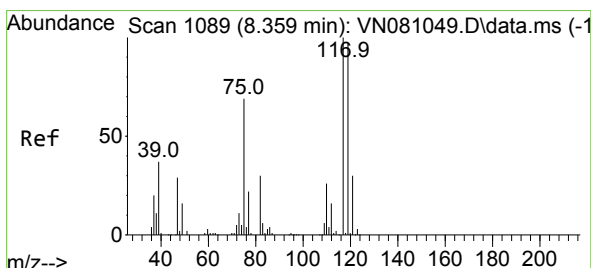
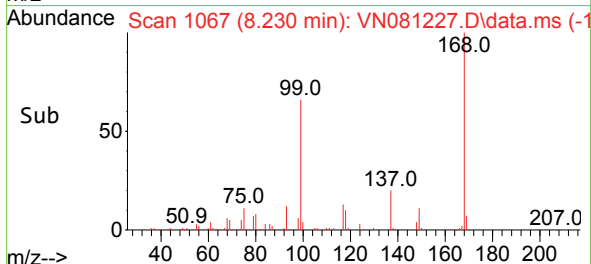
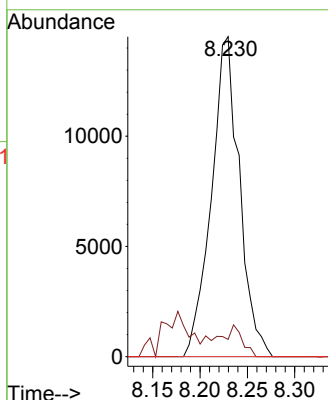
MSVOA_N

ClientSampleId :

TT188S1-20240222



Tgt Ion:	75	Resp:	29904
Ion Ratio	Lower	Upper	
75	100		
110	4.0	16.0	48.0#
77	0.0	25.8	38.6#



#38

Carbon Tetrachloride

Concen: 6.564 ug/l

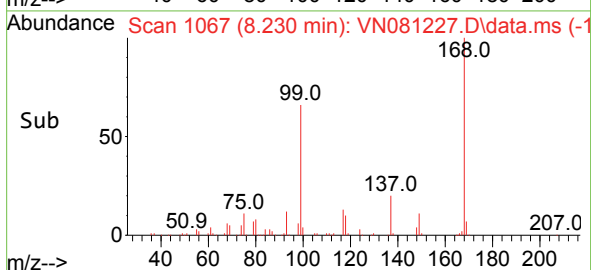
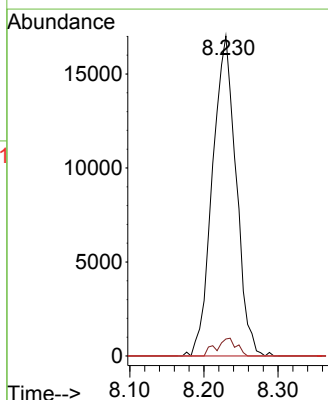
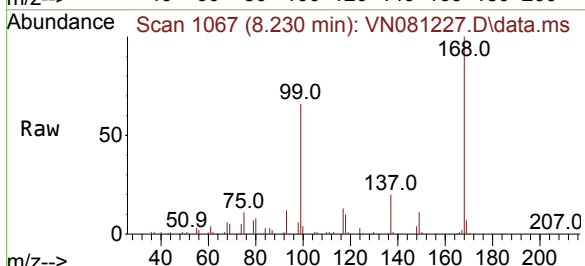
RT: 8.230 min Scan# 1067

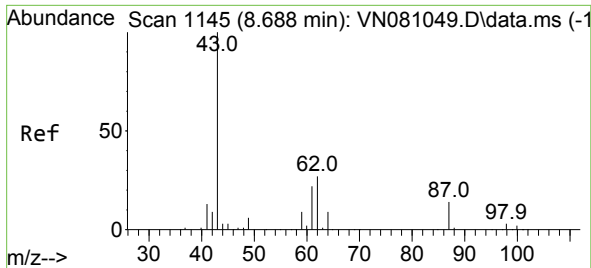
Delta R.T. -0.130 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

Tgt Ion:	117	Resp:	37748
Ion Ratio	Lower	Upper	
117	100		
119	5.3	73.4	110.2#
121	0.0	24.4	36.6#

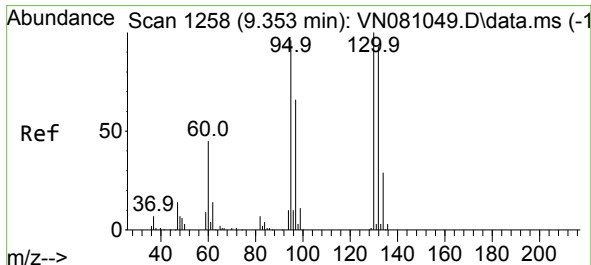
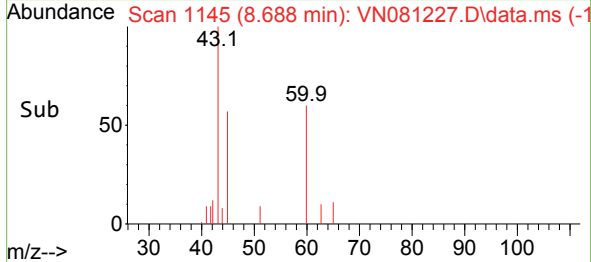
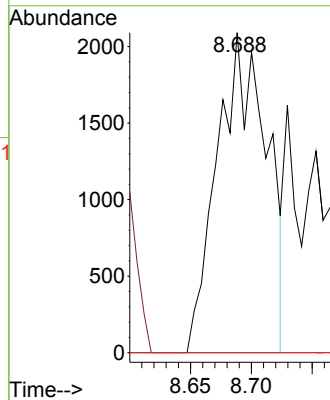
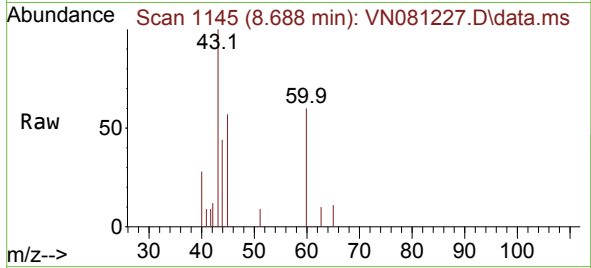




#43
Isopropyl Acetate
Concen: 0.655 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

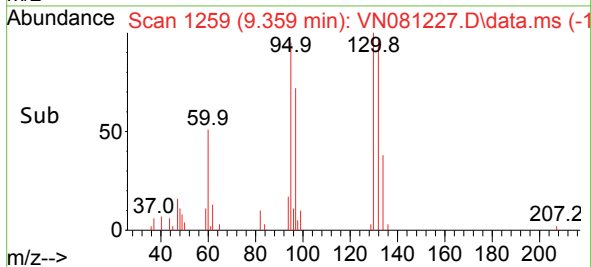
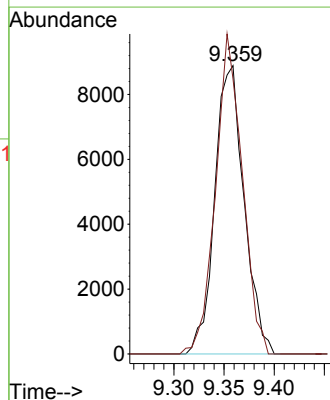
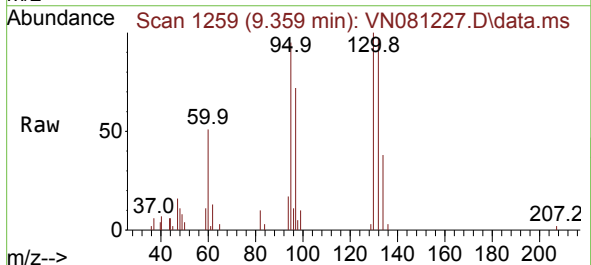
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

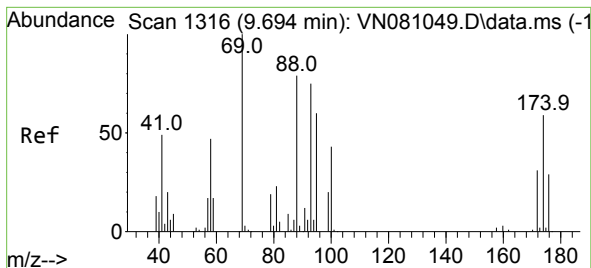
Tgt Ion: 43 Resp: 5879
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#44
Trichloroethene
Concen: 4.129 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion:130 Resp: 18097
Ion Ratio Lower Upper
130 100
95 95.4 0.0 210.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.712 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN081227.D

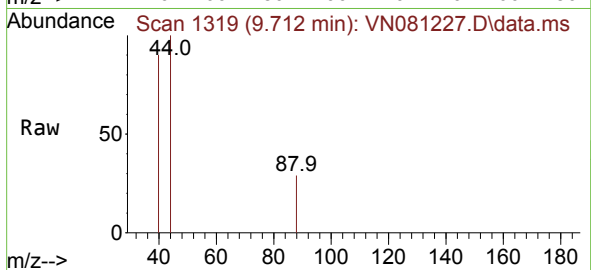
Acq: 27 Feb 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

TT188S1-20240222



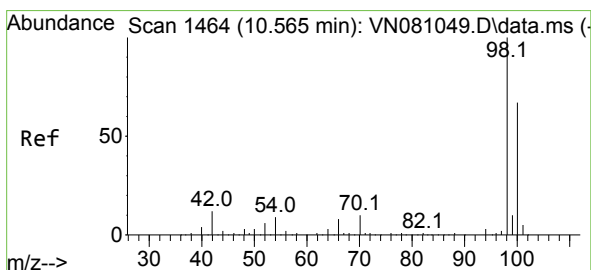
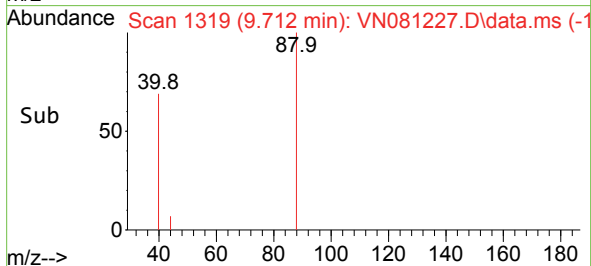
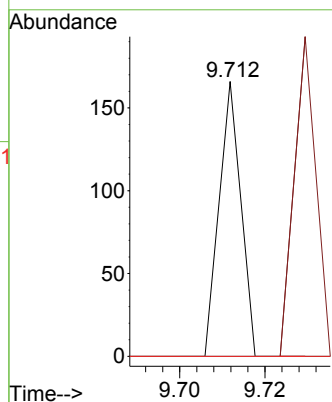
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 115.3 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 55.201 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081227.D

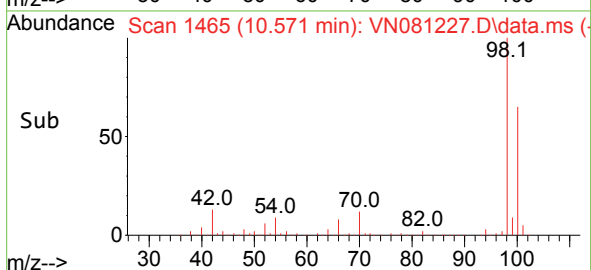
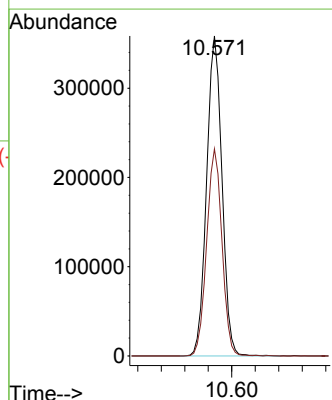
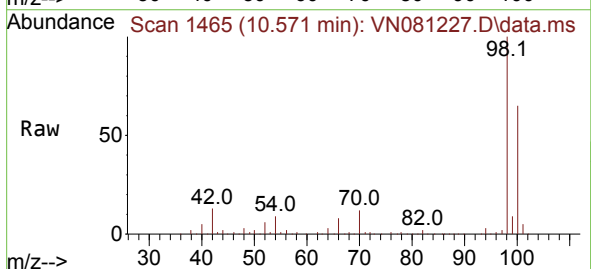
Acq: 27 Feb 2024 18:24

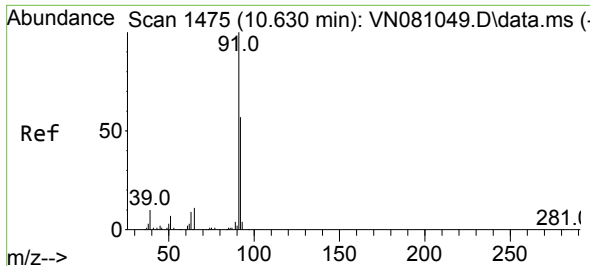
Tgt Ion: 98 Resp: 650537

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

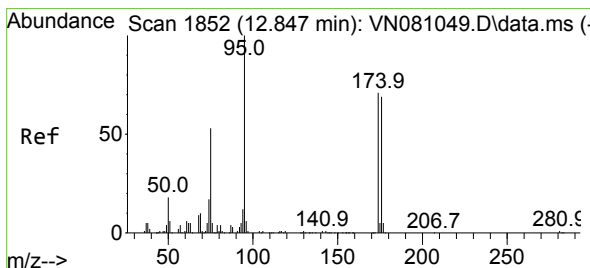
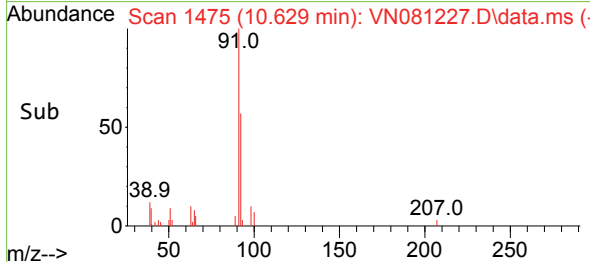
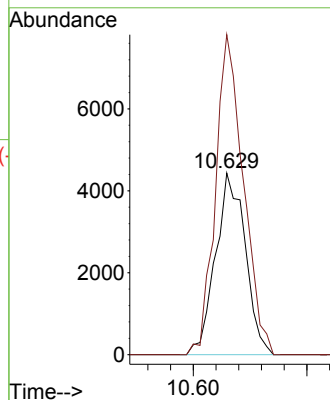
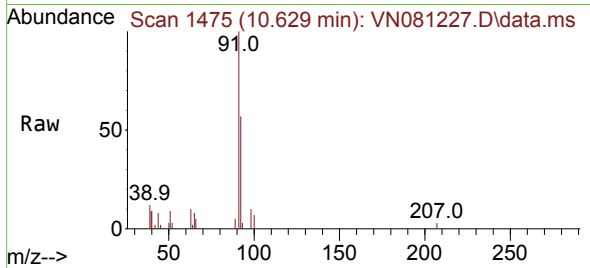




#52
Toluene
Concen: 0.773 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

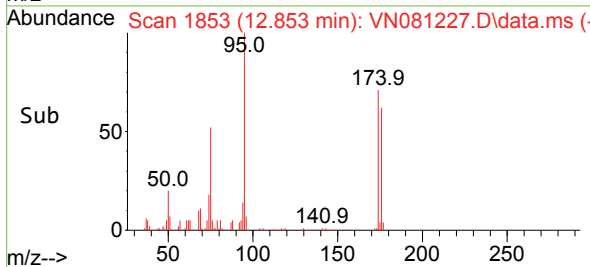
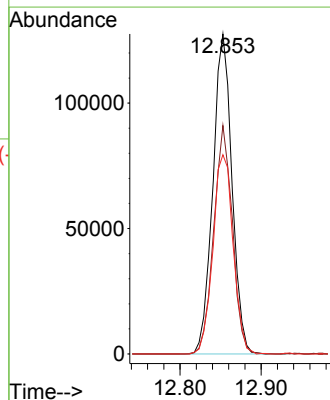
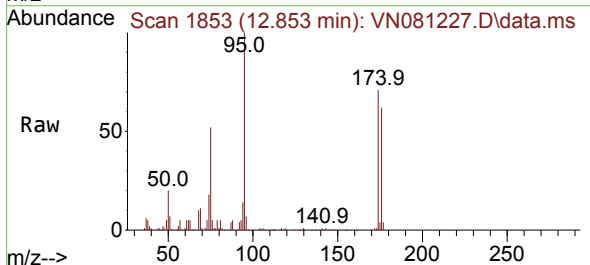
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

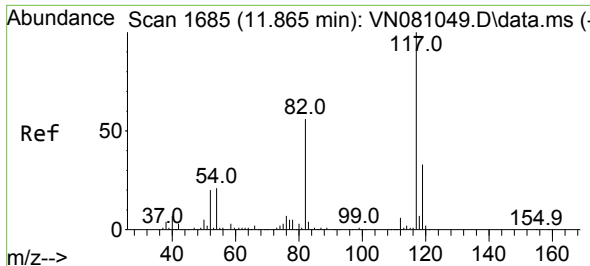
Tgt Ion: 92 Resp: 8056
Ion Ratio Lower Upper
92 100
91 165.8 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.063 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion: 95 Resp: 208402
Ion Ratio Lower Upper
95 100
174 69.7 0.0 120.4
176 66.0 0.0 121.0

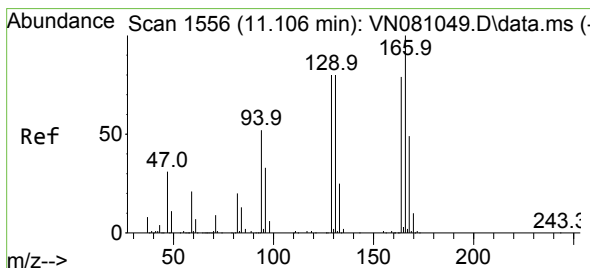
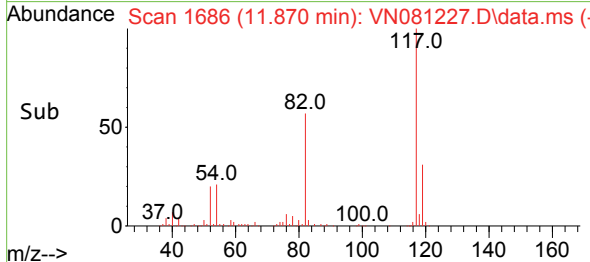
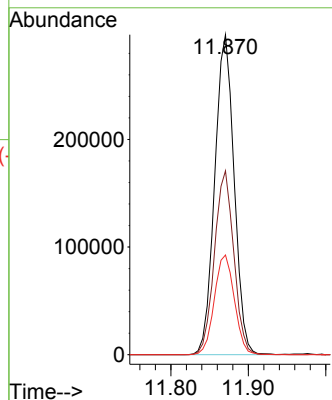
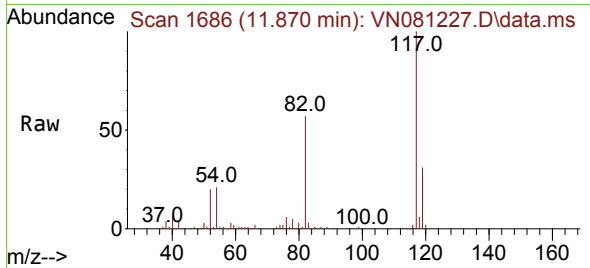




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

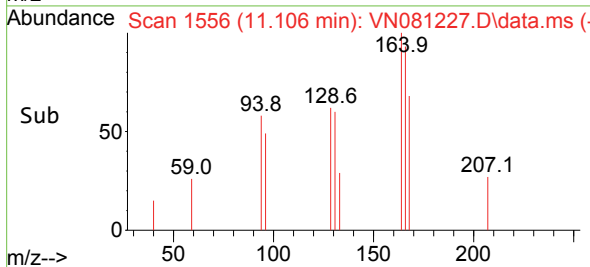
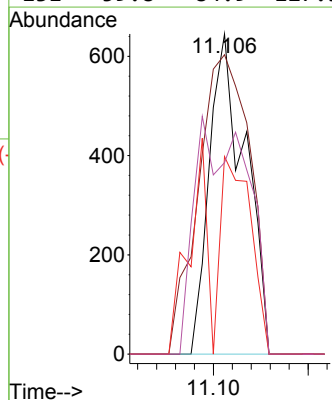
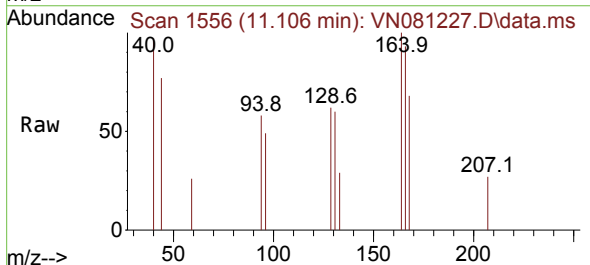
Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

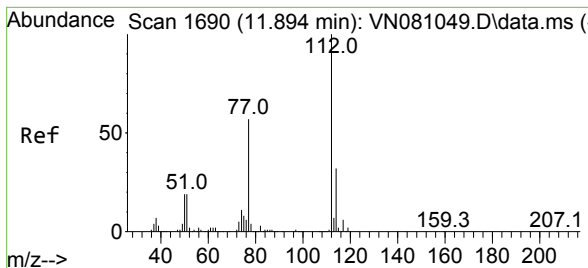
Tgt Ion:117 Resp: 517002
Ion Ratio Lower Upper
117 100
82 57.4 52.7 79.1
119 31.1 25.3 37.9



#64
Tetrachloroethene
Concen: 0.241 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion:164 Resp: 849
Ion Ratio Lower Upper
164 100
166 93.5 105.8 158.6#
129 61.7 89.6 134.4#
131 59.8 84.9 127.3#





#65

Chlorobenzene

Concen: 0.242 ug/l

RT: 11.888 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

Instrument :

MSVOA_N

ClientSampleId :

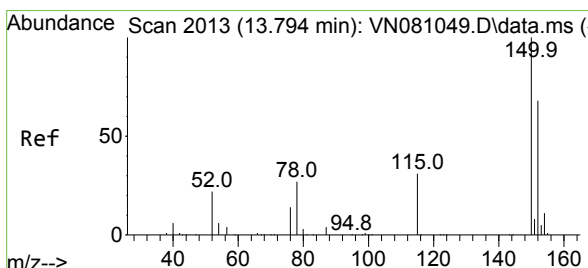
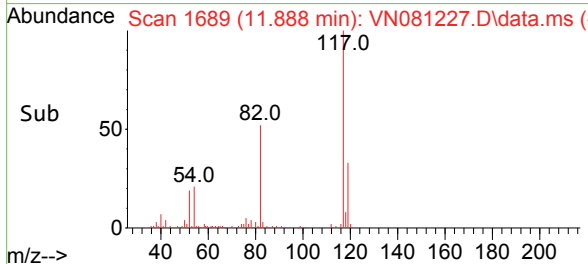
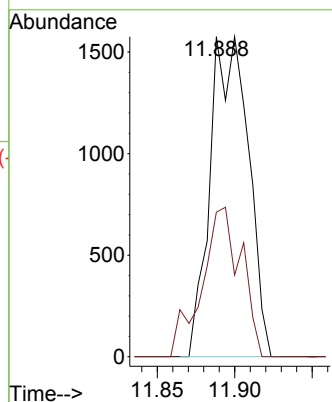
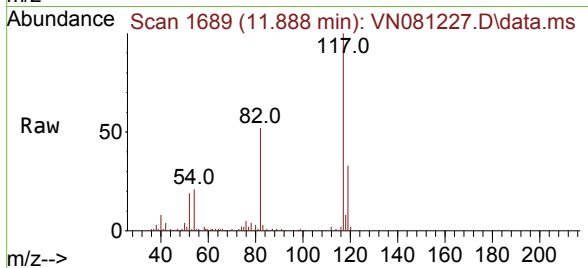
TT188S1-20240222

Tgt Ion:112 Resp: 2703

Ion Ratio Lower Upper

112 100

114 45.2 23.7 35.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081227.D

Acq: 27 Feb 2024 18:24

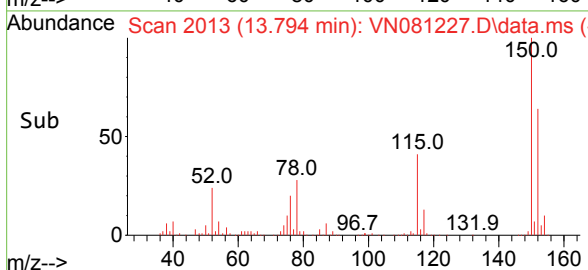
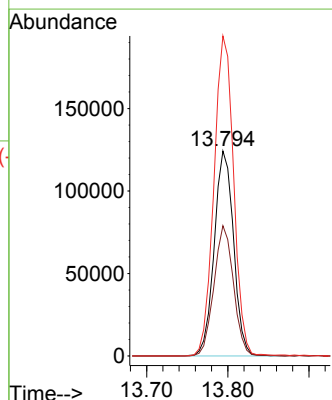
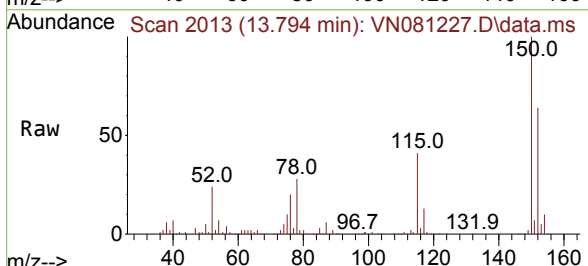
Tgt Ion:152 Resp: 205742

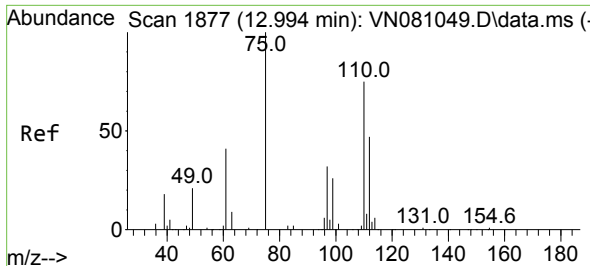
Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 159.0 0.0 339.8

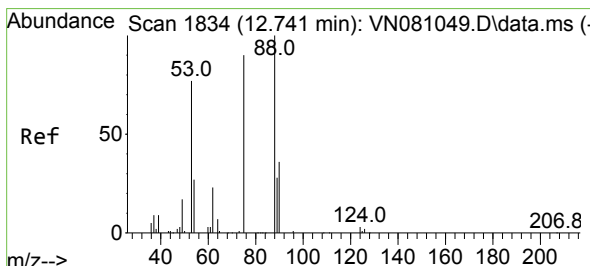
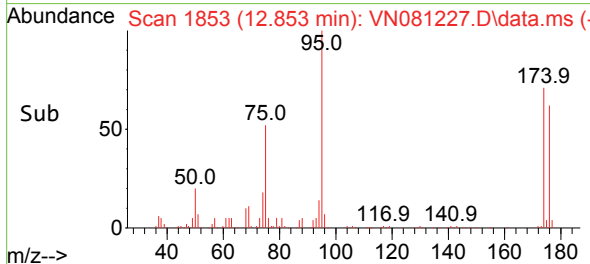
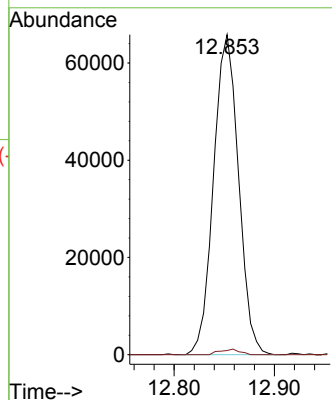
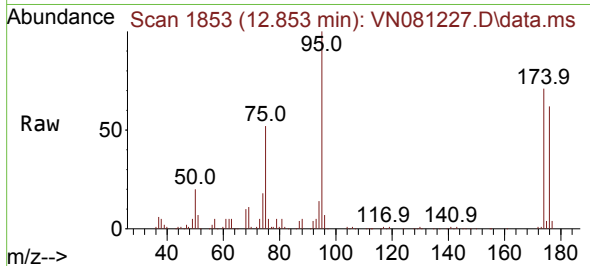




#76
1,2,3-Trichloropropane
Concen: 24.377 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Instrument :
MSVOA_N
ClientSampleId :
TT188S1-20240222

Tgt Ion: 75 Resp: 113955
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.746 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081227.D
Acq: 27 Feb 2024 18:24

Tgt Ion: 75 Resp: 113955
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.3 33.4 50.0#

