

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081888.D
 Acq On : 26 Apr 2024 19:18
 Operator : JC\MD
 Sample : P2276-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-32-042524

Quant Time: Apr 26 23:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

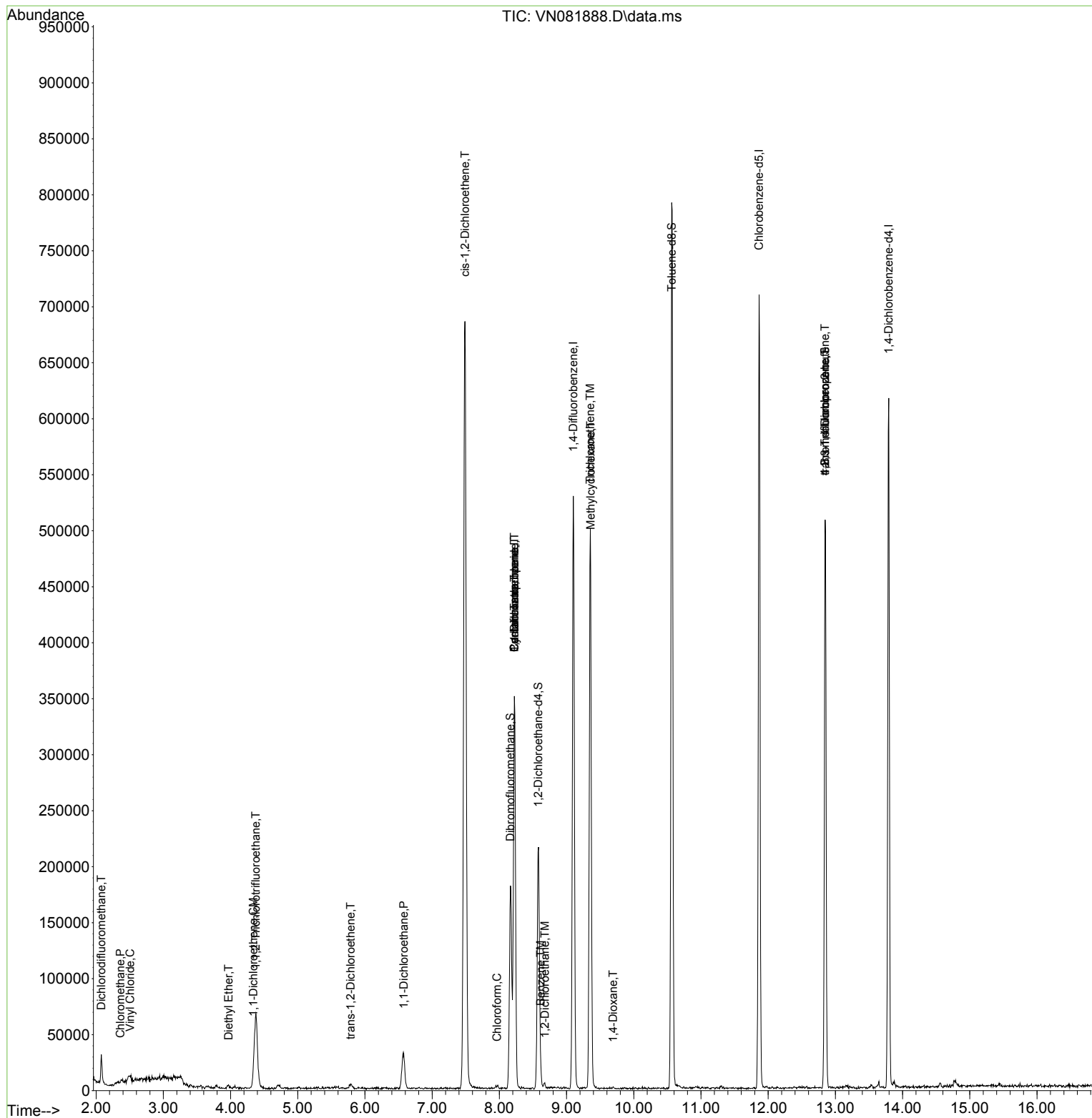
Internal Standards						
1) Pentafluorobenzene	8.224	168	240749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	441818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174124	42.854	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.700%		
35) Dibromofluoromethane	8.165	113	131463	49.420	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.840%		
50) Toluene-d8	10.565	98	546341	52.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.580%		
62) 4-Bromofluorobenzene	12.847	95	189766	45.949	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.077	85	2400	0.710	ug/l	72
3) Chloromethane	2.359	50	1670	0.474	ug/l #	79
4) Vinyl Chloride	2.507	62	1325	0.415	ug/l #	73
5) Bromomethane	2.948	94	95	Below Cal	#	3
8) Diethyl Ether	3.971	74	1307	0.623	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.377	101	45703	15.945	ug/l	95
12) 1,1-Dichloroethene	4.342	96	3911	1.341	ug/l #	90
13) Acrolein	4.183	56	116	Below Cal	#	1
16) Acetone	4.436	43	5285	Below Cal		93
21) trans-1,2-Dichloroethene	5.789	96	1918	0.603	ug/l #	60
24) 1,1-Dichloroethane	6.577	63	44561	7.173	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	414361	111.534	ug/l	99
30) Chloroform	7.965	83	2528	0.411	ug/l #	21
31) Cyclohexane	8.224	56	6875	1.123	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	23587	5.450	ug/l #	48
38) Carbon Tetrachloride	8.224	117	24654	5.829	ug/l #	19
39) Methylcyclohexane	9.359	83	2678	0.510	ug/l #	9
40) Benzene	8.612	78	11045	0.850	ug/l #	87
42) 1,2-Dichloroethane	8.677	62	3131	0.649	ug/l	86
44) Trichloroethene	9.353	130	177387	59.222	ug/l	96
49) 1,4-Dioxane	9.694	88	329	5.154	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	102254	25.746	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	102254	52.758	ug/l #	13

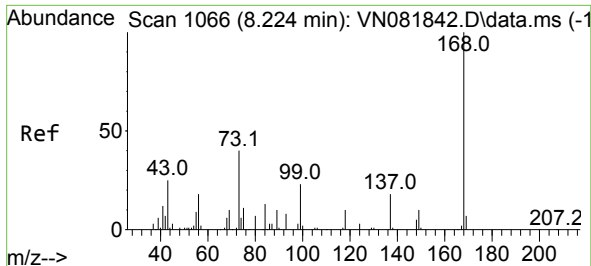
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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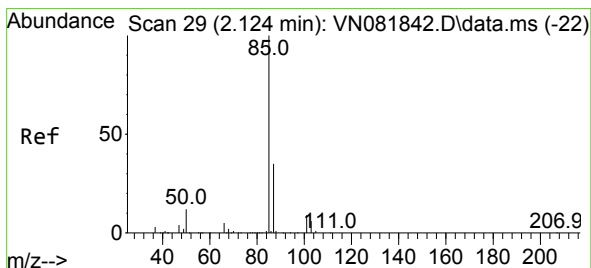
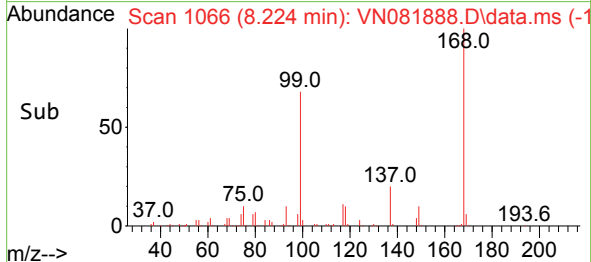
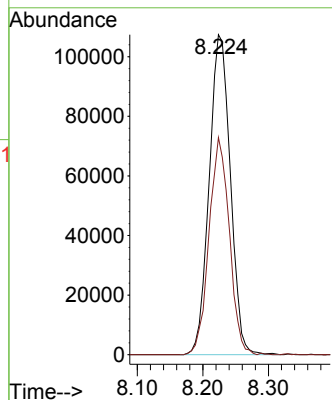
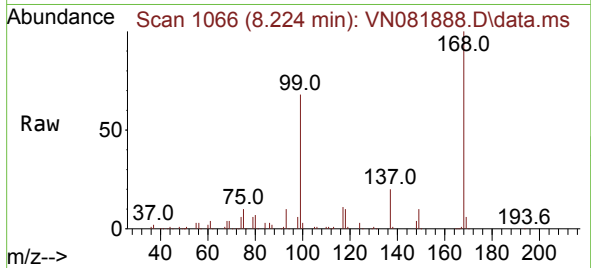




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

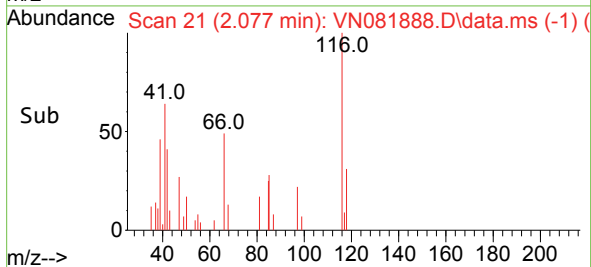
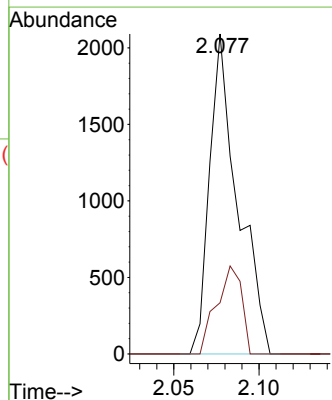
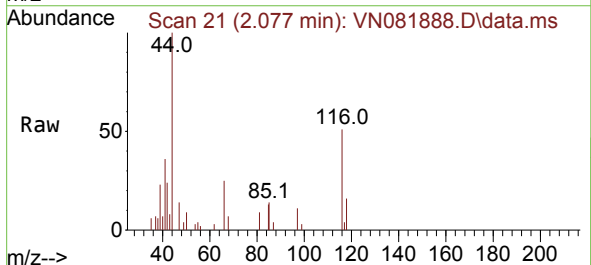
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

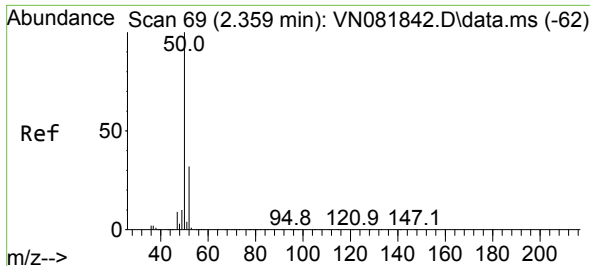
Tgt Ion:168 Resp: 240749
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.710 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.047 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 85 Resp: 2400
Ion Ratio Lower Upper
85 100
87 16.0 15.8 47.4

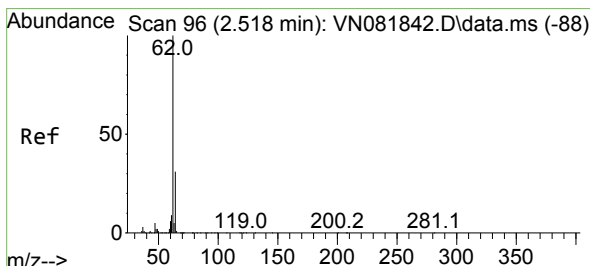
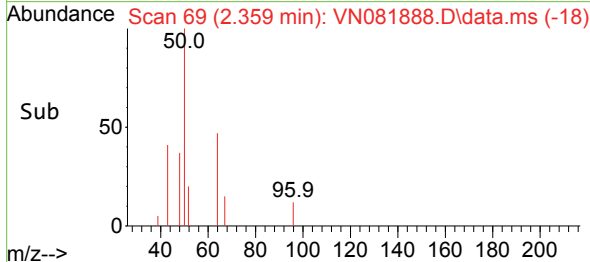
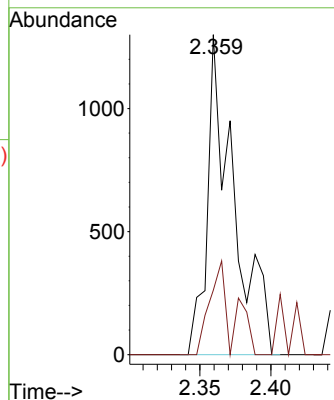
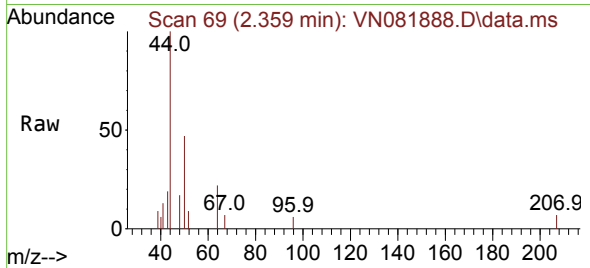




#3
Chloromethane
Concen: 0.474 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

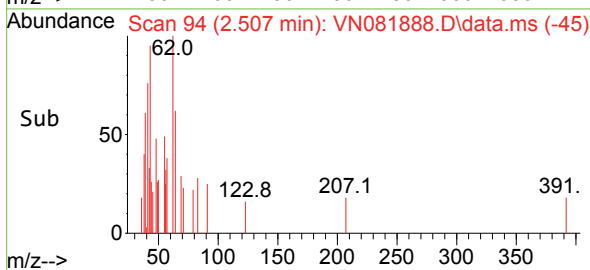
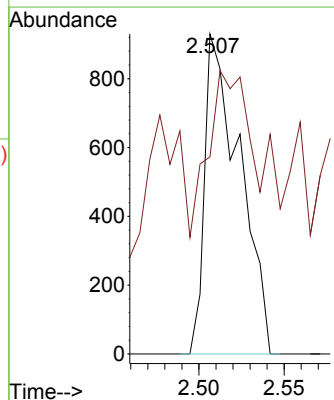
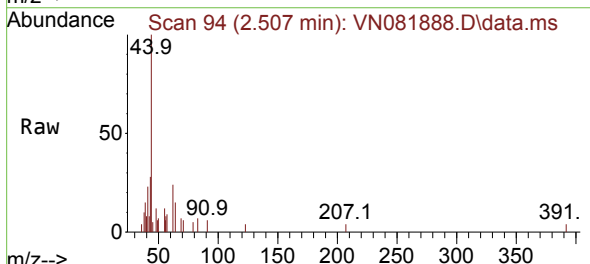
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

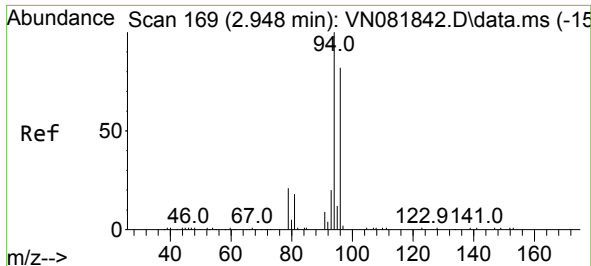
Tgt Ion: 50 Resp: 1670
Ion Ratio Lower Upper
50 100
52 20.2 25.5 38.3#



#4
Vinyl Chloride
Concen: 0.415 ug/l
RT: 2.507 min Scan# 94
Delta R.T. -0.012 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 62 Resp: 1325
Ion Ratio Lower Upper
62 100
64 16.2 24.6 37.0#

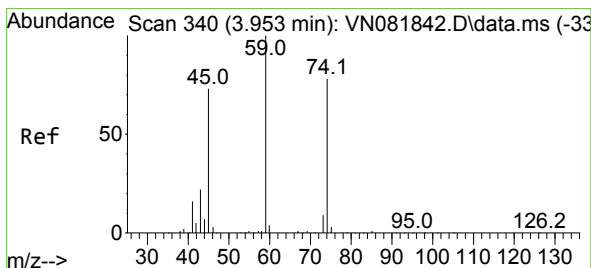
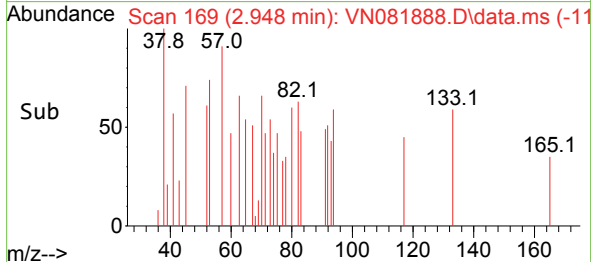
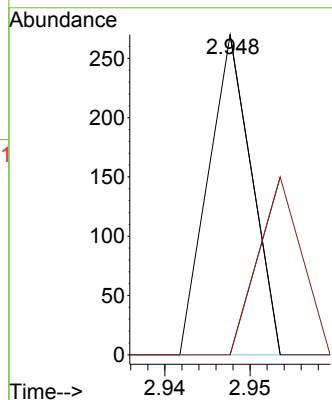
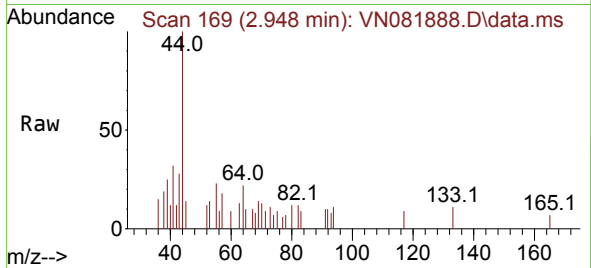




#5
Bromomethane
Concen: Below Cal
RT: 2.948 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

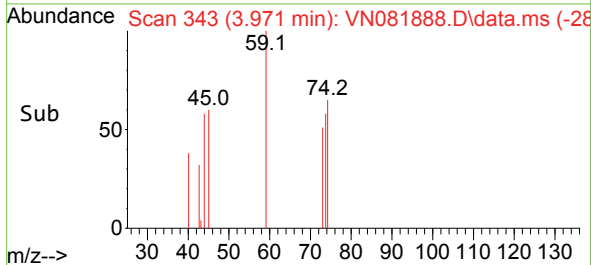
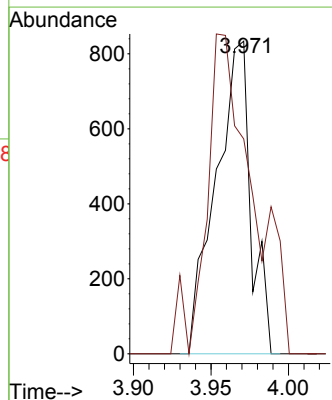
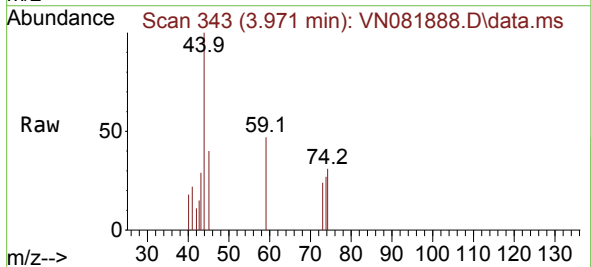
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

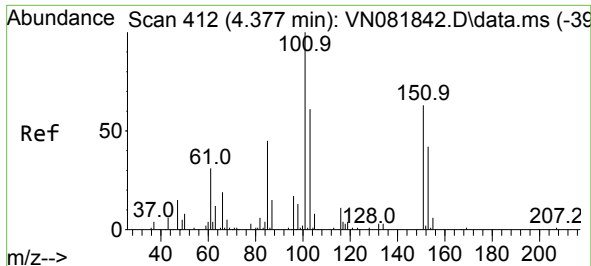
Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#8
Diethyl Ether
Concen: 0.623 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.018 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 74 Resp: 1307
Ion Ratio Lower Upper
74 100
45 135.1 42.4 127.3#

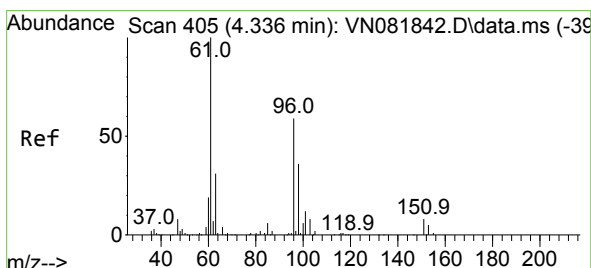
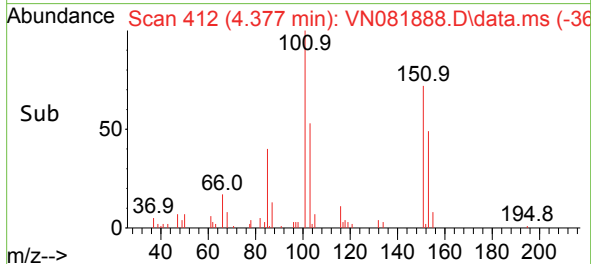
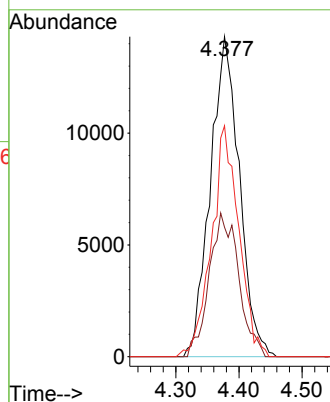
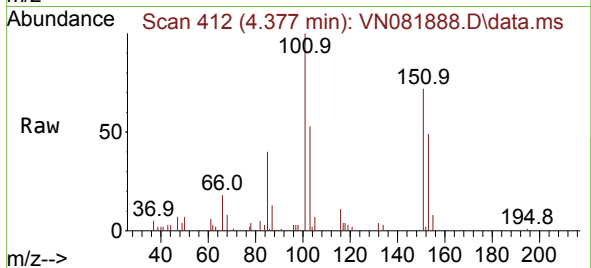




#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.945 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

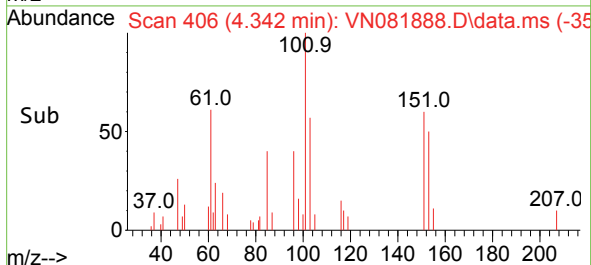
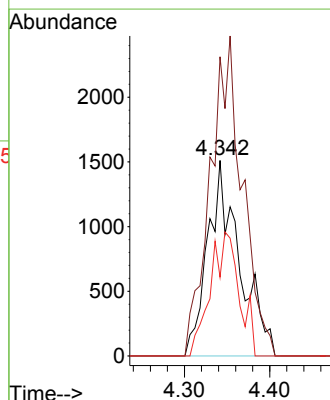
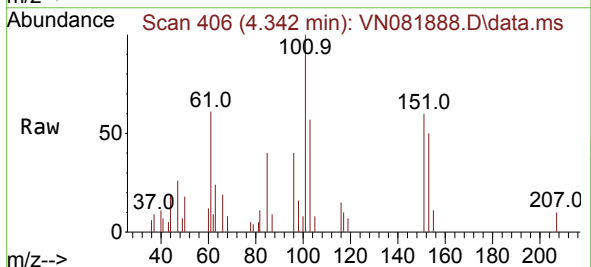
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

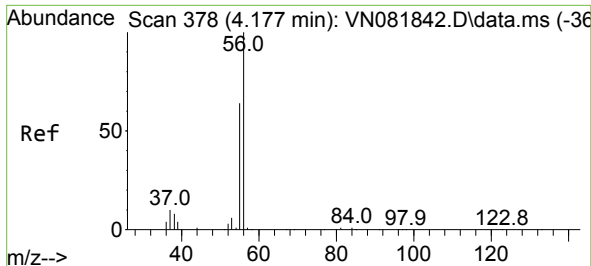
Tgt Ion:101 Resp: 45703
Ion Ratio Lower Upper
101 100
85 45.6 37.3 55.9
151 67.8 59.2 88.8



#12
1,1-Dichloroethene
Concen: 1.341 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 96 Resp: 3911
Ion Ratio Lower Upper
96 100
61 153.0 119.7 179.5
98 40.3 49.6 74.4#





#13

Acrolein

Concen: Below Cal

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN081888.D

Acq: 26 Apr 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

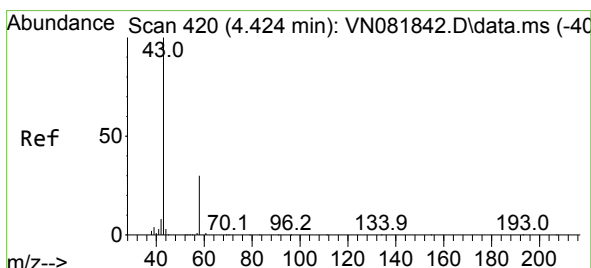
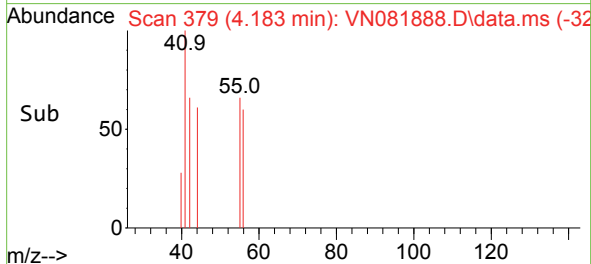
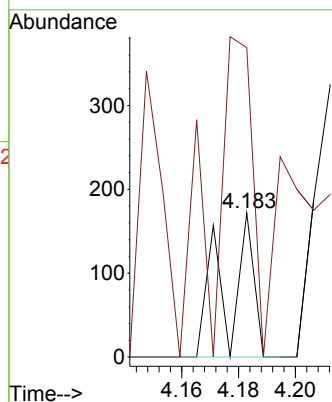
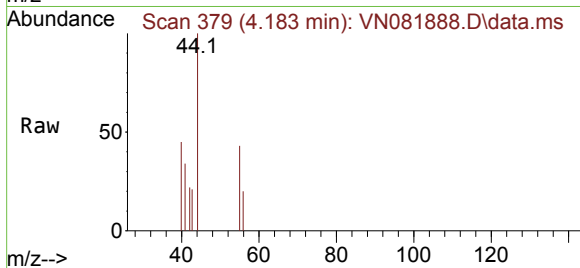
RMW-02B-32-042524

Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 314.7 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081888.D

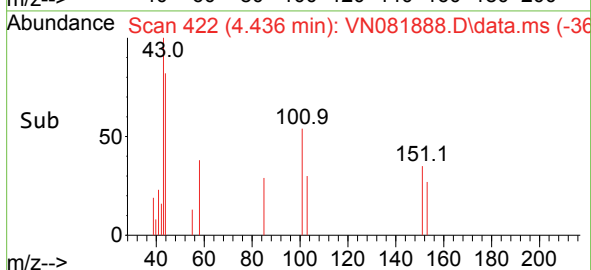
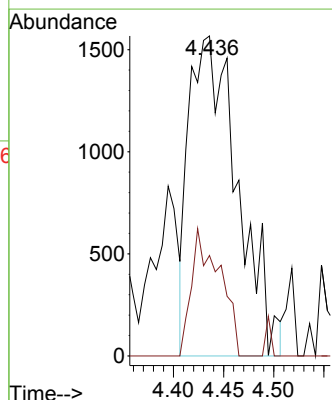
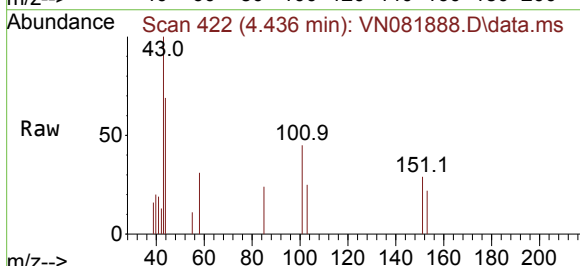
Acq: 26 Apr 2024 19:18

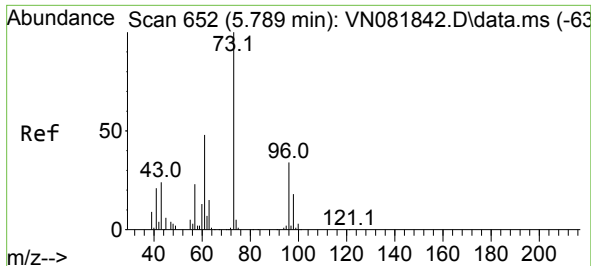
Tgt Ion: 43 Resp: 5285

Ion Ratio Lower Upper

43 100

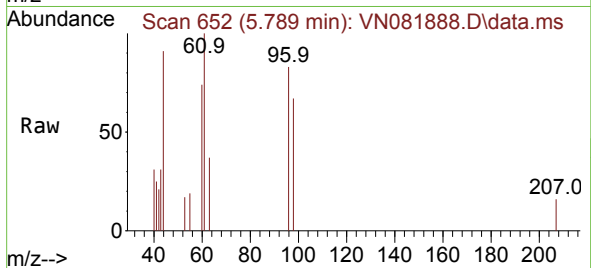
58 35.2 25.2 37.8



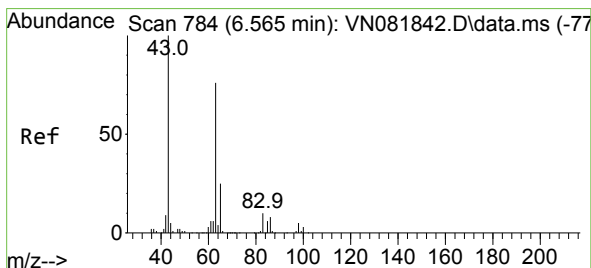
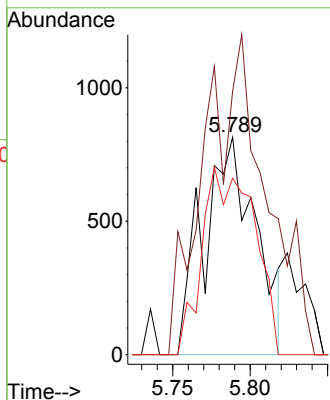
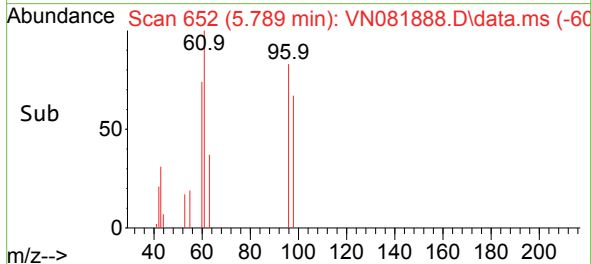


#21
trans-1,2-Dichloroethene
Concen: 0.603 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Instrument :
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ClientSampleId :
RMW-02B-32-042524

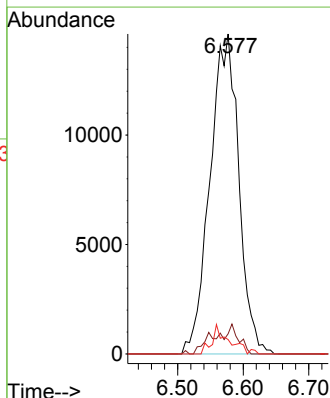
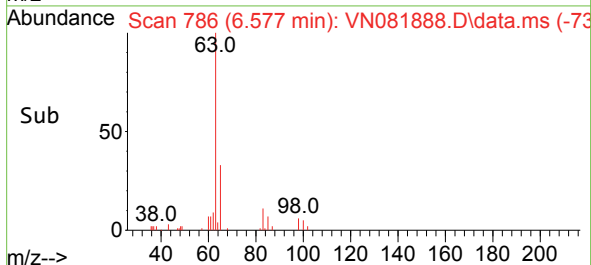
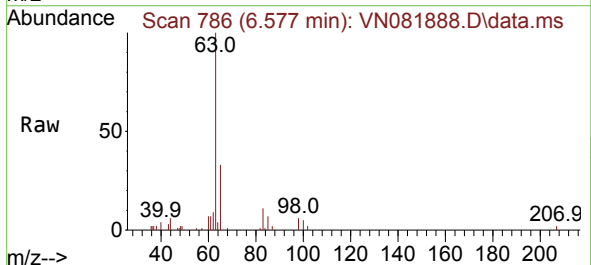


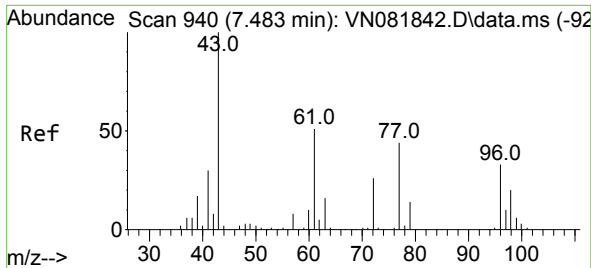
Tgt Ion: 96 Resp: 1918
Ion Ratio Lower Upper
96 100
61 64.4 96.5 144.7#
98 81.1 51.3 76.9#



#24
1,1-Dichloroethane
Concen: 7.173 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.012 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 63 Resp: 44561
Ion Ratio Lower Upper
63 100
98 6.3 3.6 10.9
100 4.5 2.6 7.8

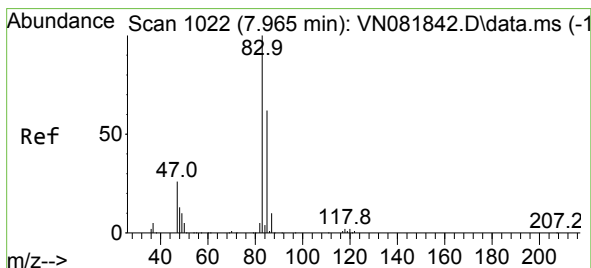
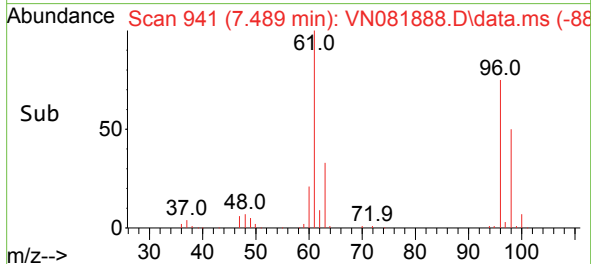
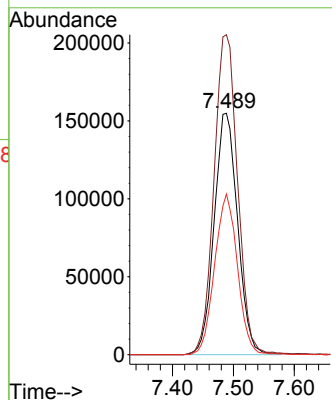
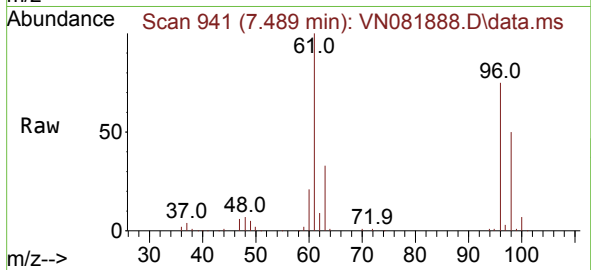




#27
 cis-1,2-Dichloroethene
 Concen: 111.534 ug/l
 RT: 7.489 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

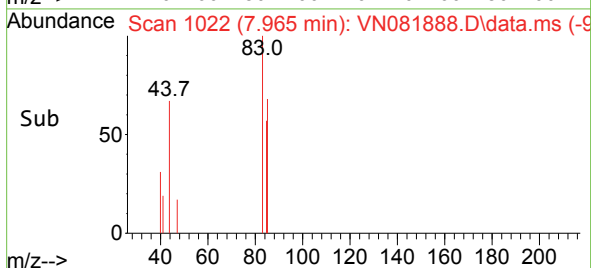
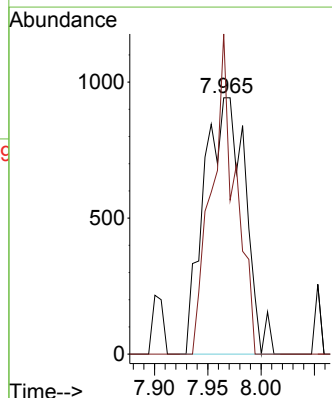
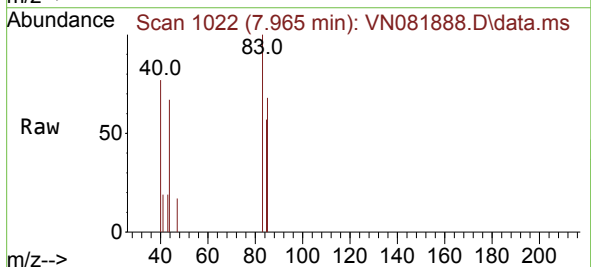
Instrument :
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 RMW-02B-32-042524

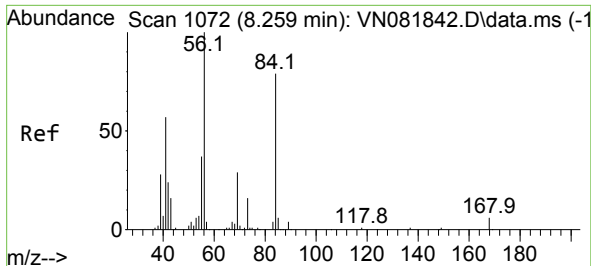
Tgt Ion: 96 Resp: 414361
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 268.0
 98 64.9 0.0 126.8



#30
 Chloroform
 Concen: 0.411 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

Tgt Ion: 83 Resp: 2528
 Ion Ratio Lower Upper
 83 100
 85 124.9 50.7 76.1#

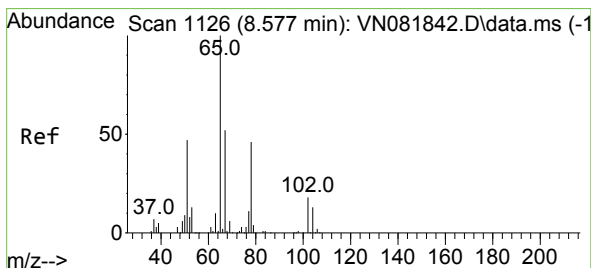
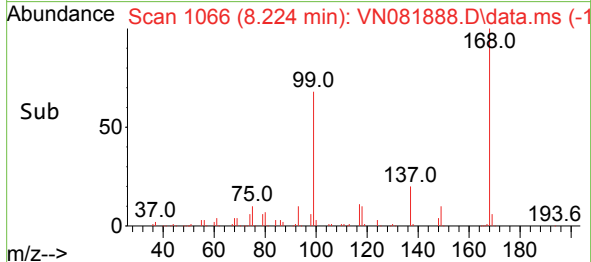
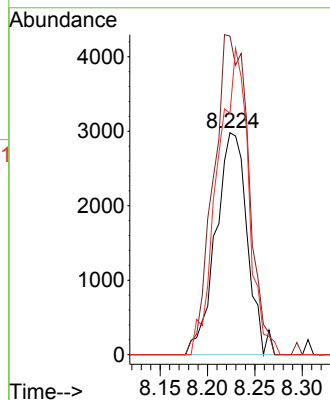
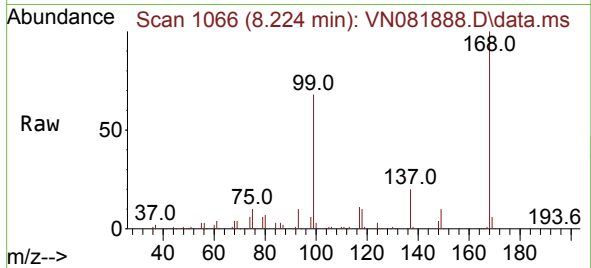




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

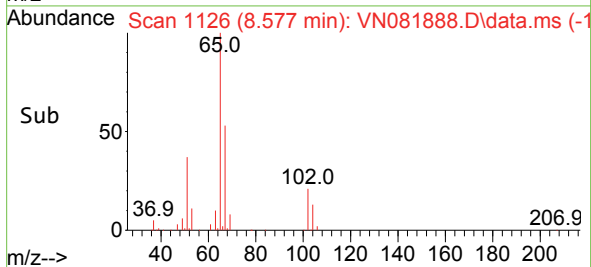
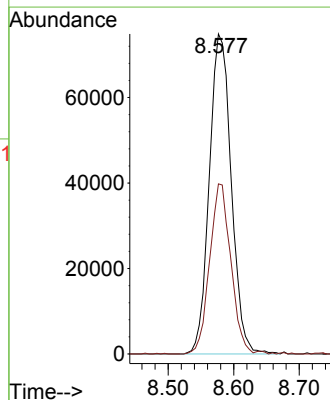
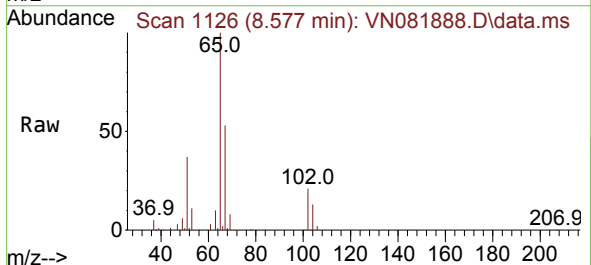
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

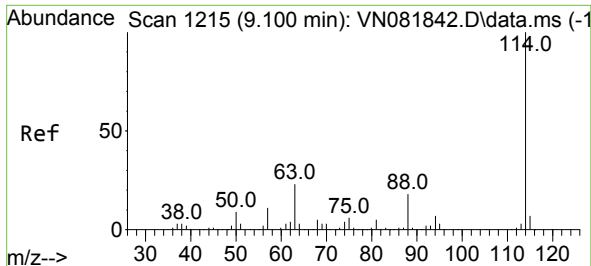
Tgt Ion: 56 Resp: 6875
Ion Ratio Lower Upper
56 100
69 143.5 24.4 36.6#
84 108.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 42.854 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion: 65 Resp: 174124
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

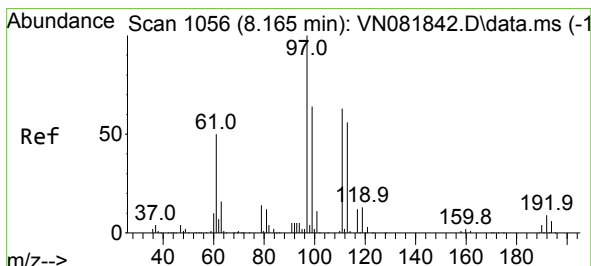
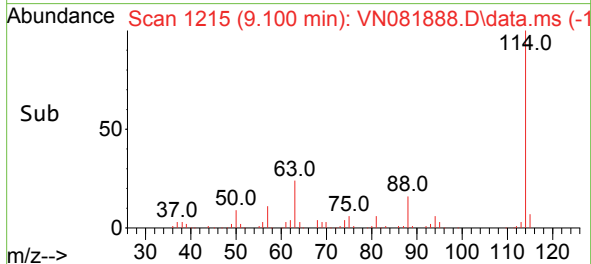
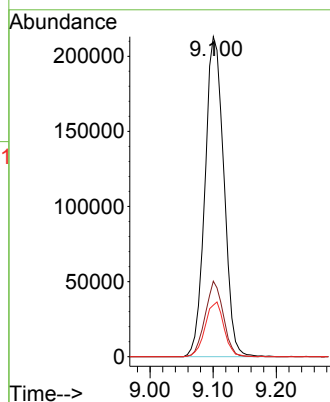
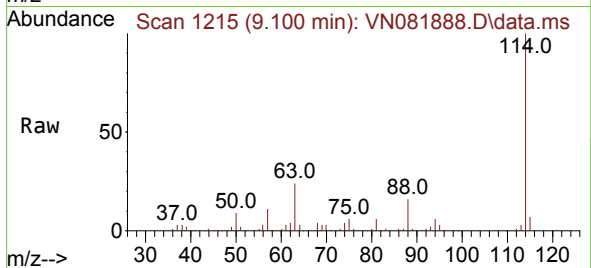




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

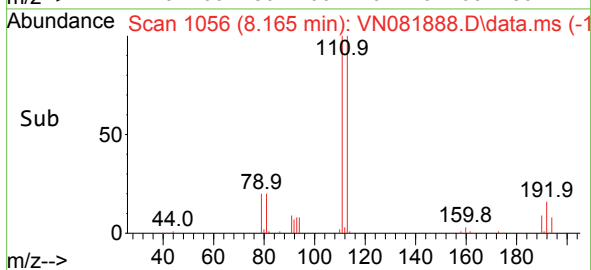
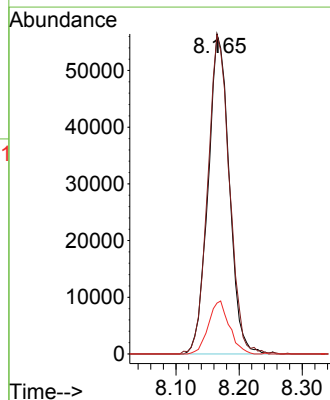
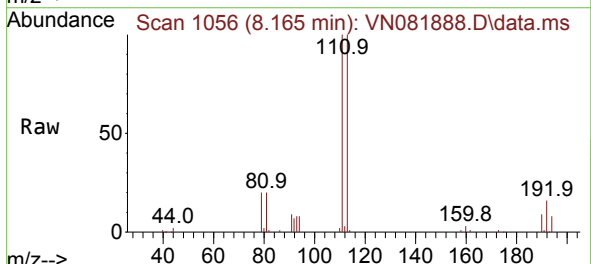
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-32-042524

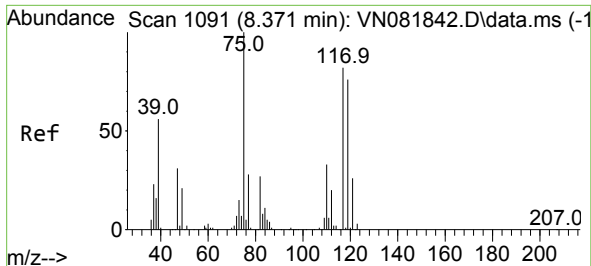
Tgt Ion:114 Resp: 441818
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.0
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.420 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081888.D
Acq: 26 Apr 2024 19:18

Tgt Ion:113 Resp: 131463
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 16.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.450 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081888.D

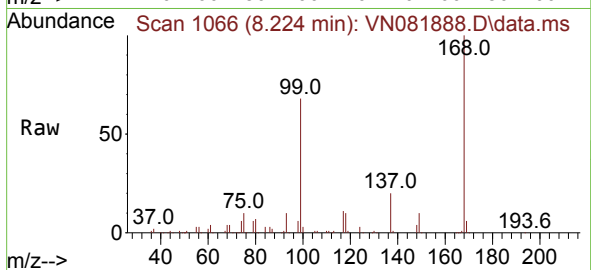
Acq: 26 Apr 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

RMW-02B-32-042524



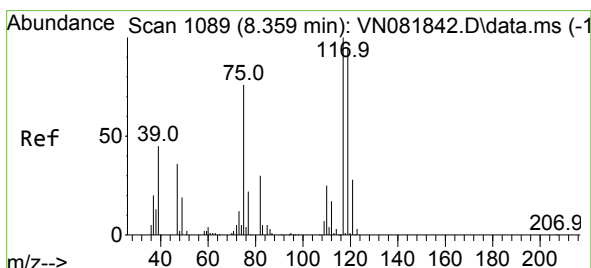
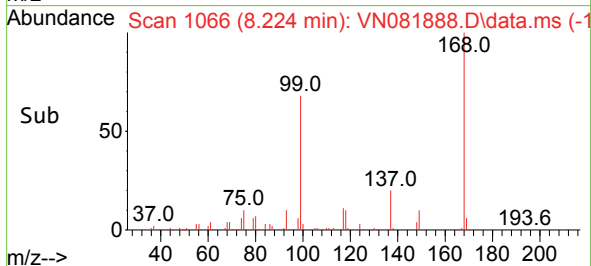
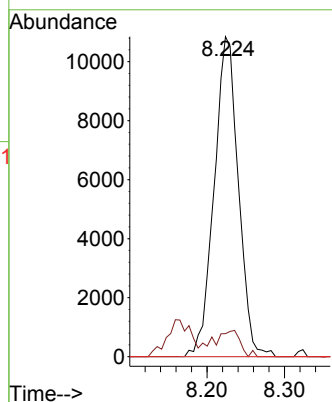
Tgt Ion: 75 Resp: 23587

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081888.D

Acq: 26 Apr 2024 19:18

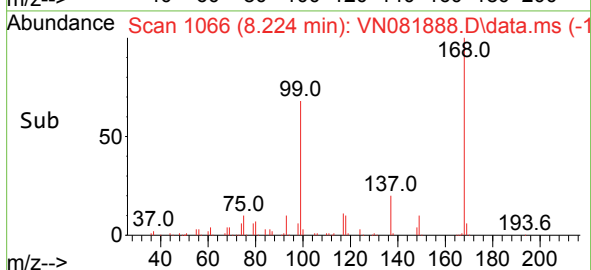
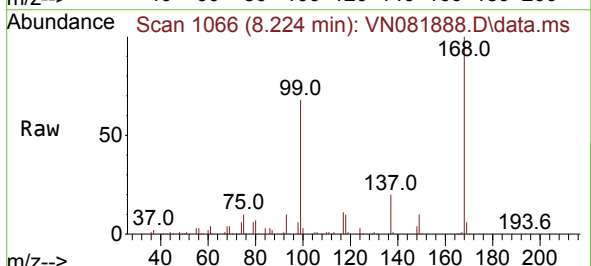
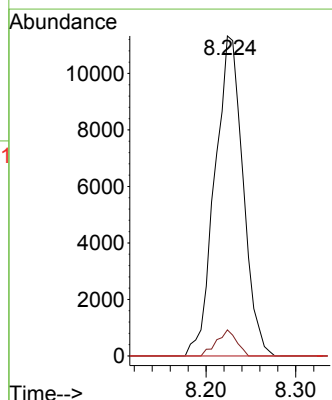
Tgt Ion: 117 Resp: 24654

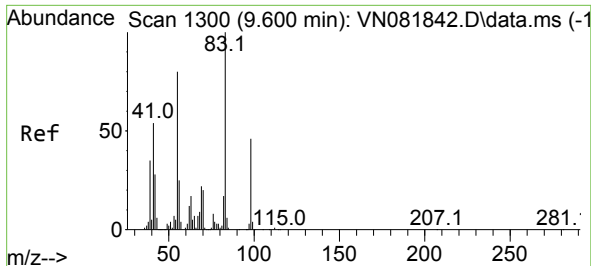
Ion Ratio Lower Upper

117 100

119 8.2 76.5 114.7#

121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.510 ug/l

RT: 9.359 min Scan# 1129

Delta R.T. -0.241 min

Lab File: VN081888.D

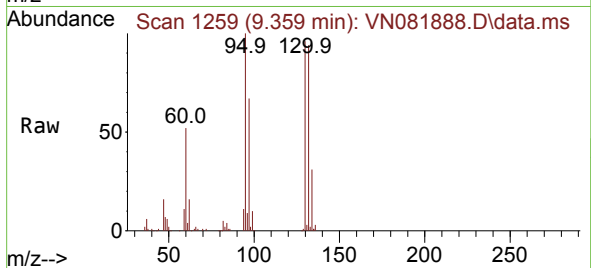
Acq: 26 Apr 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

RMW-02B-32-042524



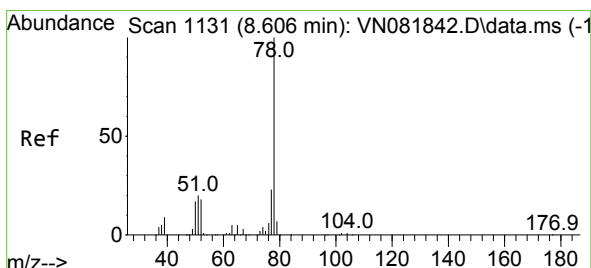
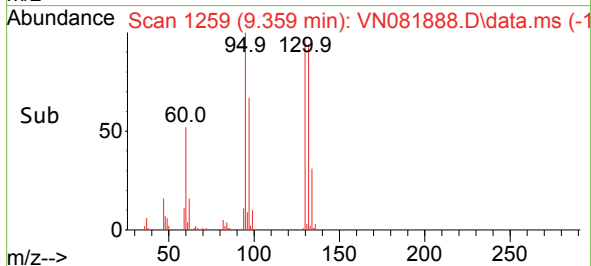
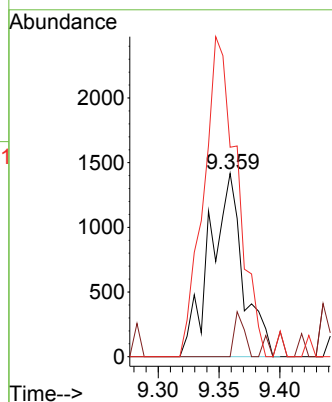
Tgt Ion: 83 Resp: 2678

Ion Ratio Lower Upper

83 100

55 0.0 53.0 79.6#

98 114.3 37.1 55.7#



#40

Benzene

Concen: 0.850 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN081888.D

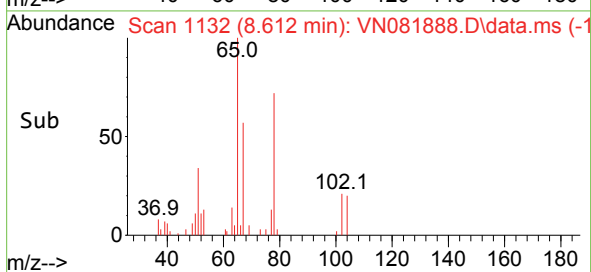
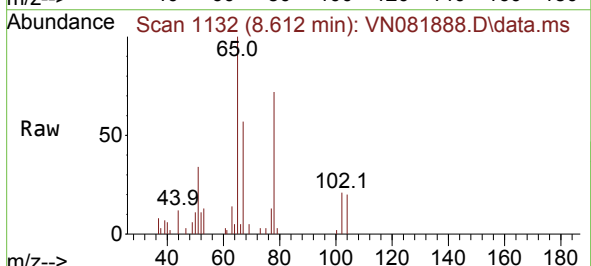
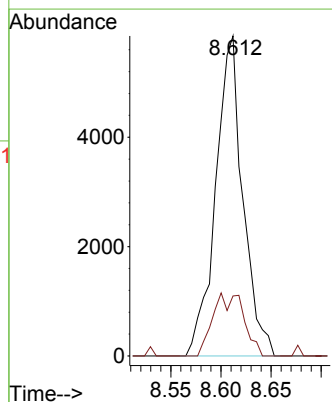
Acq: 26 Apr 2024 19:18

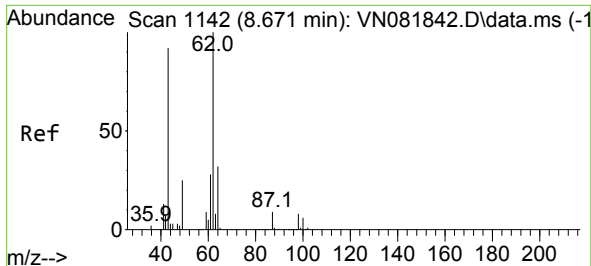
Tgt Ion: 78 Resp: 11045

Ion Ratio Lower Upper

78 100

77 18.7 20.0 30.0#





#42

1,2-Dichloroethane

Concen: 0.649 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081888.D

Acq: 26 Apr 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

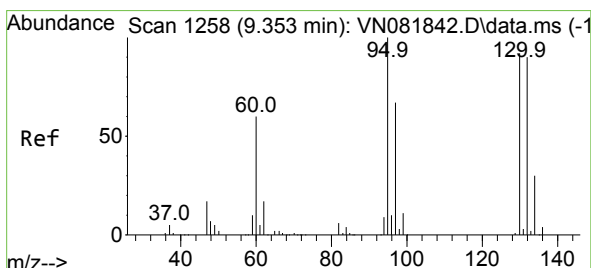
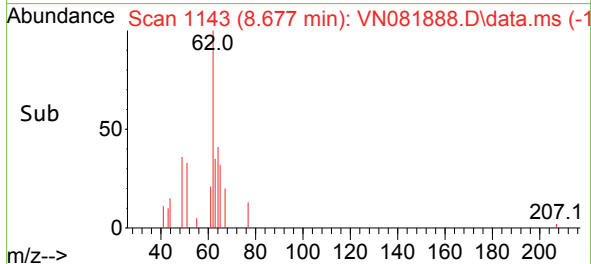
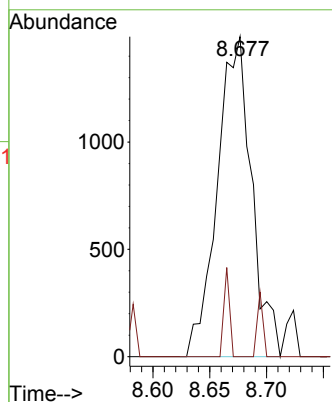
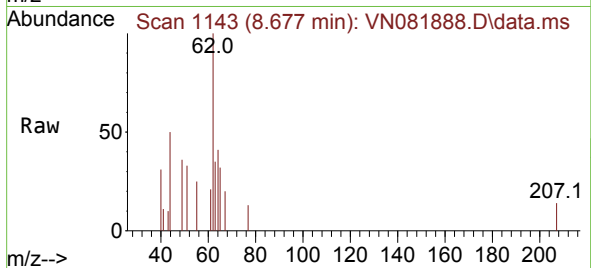
RMW-02B-32-042524

Tgt Ion: 62 Resp: 3131

Ion Ratio Lower Upper

62 100

98 4.7 0.0 19.6



#44

Trichloroethene

Concen: 59.222 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN081888.D

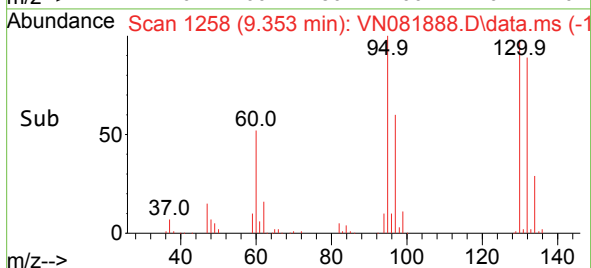
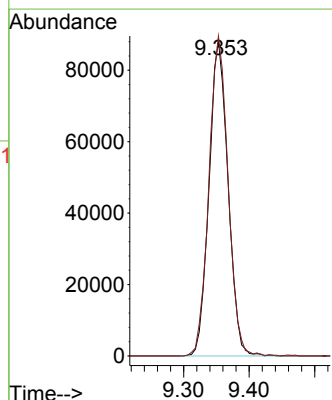
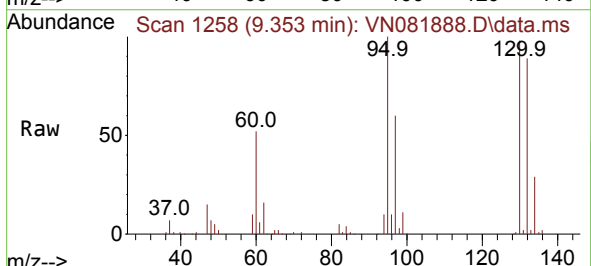
Acq: 26 Apr 2024 19:18

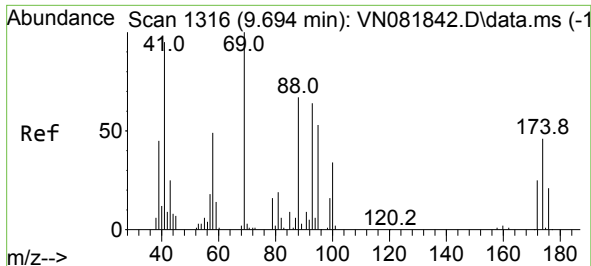
Tgt Ion:130 Resp: 177387

Ion Ratio Lower Upper

130 100

95 101.6 0.0 195.4





#49

1,4-Dioxane

Concen: 5.154 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081888.D

Acq: 26 Apr 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

RMW-02B-32-042524

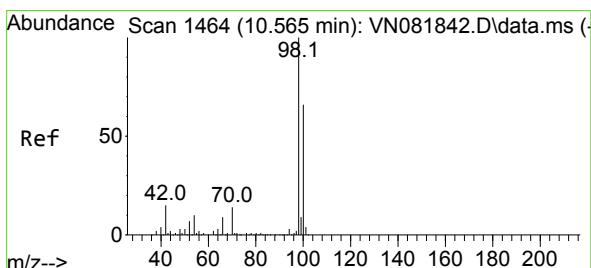
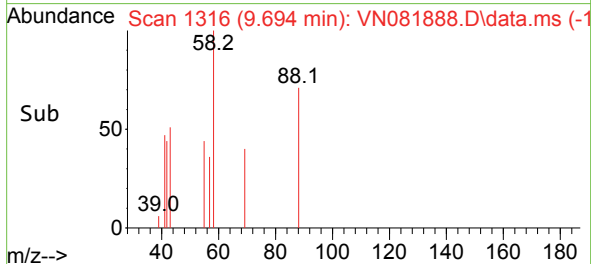
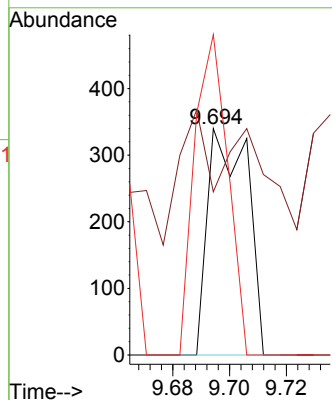
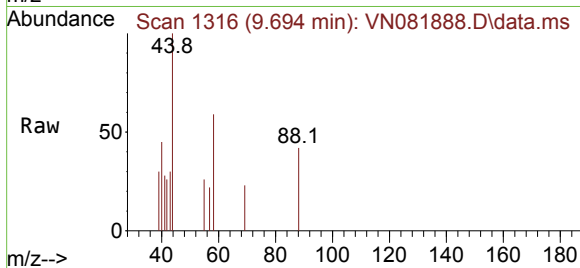
Tgt Ion: 88 Resp: 329

Ion Ratio Lower Upper

88 100

43 168.4 19.0 28.6#

58 118.2 50.6 76.0#



#50

Toluene-d8

Concen: 52.294 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081888.D

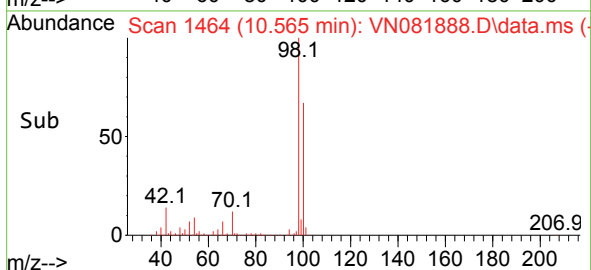
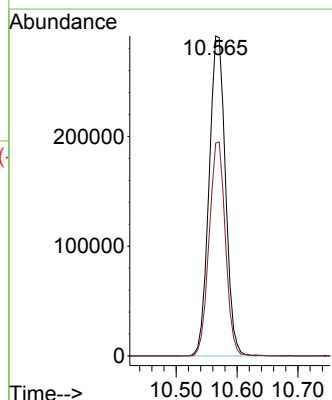
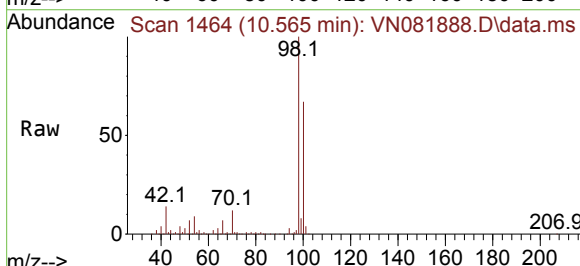
Acq: 26 Apr 2024 19:18

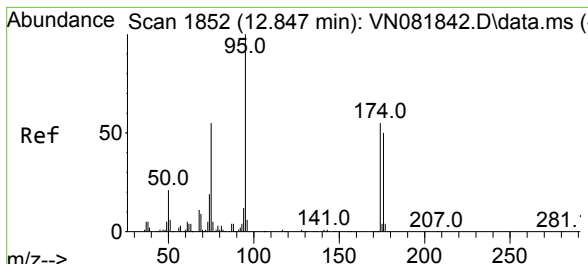
Tgt Ion: 98 Resp: 546341

Ion Ratio Lower Upper

98 100

100 66.2 51.8 77.6

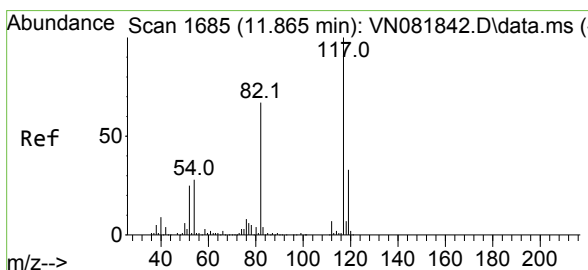
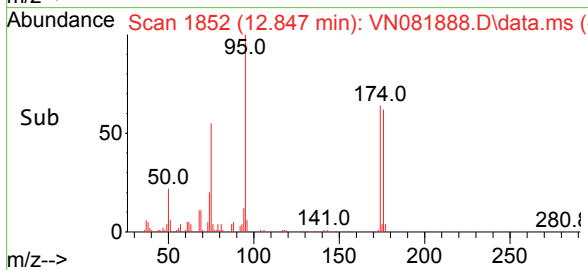
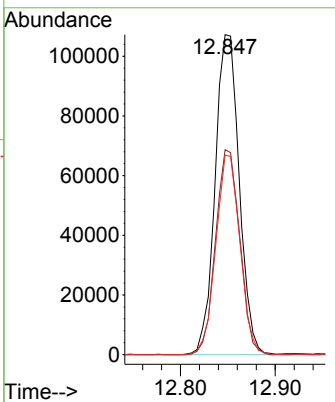
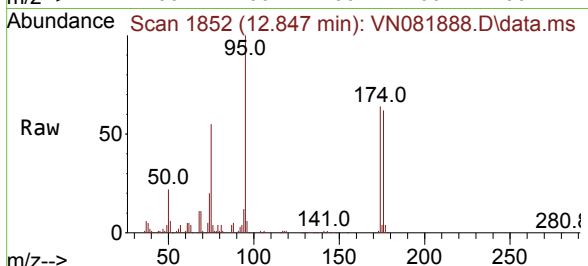




#62
 4-Bromofluorobenzene
 Concen: 45.949 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

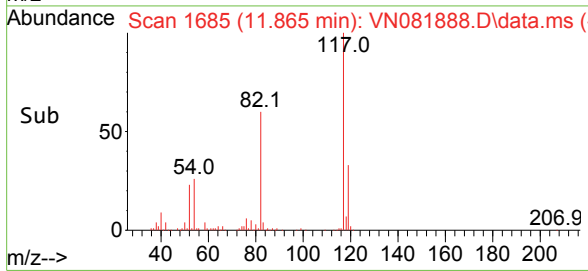
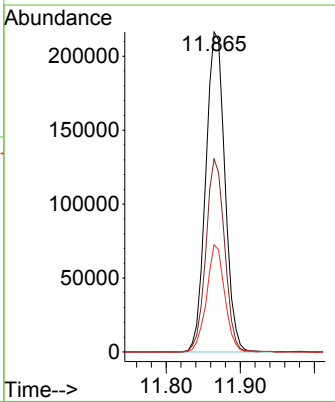
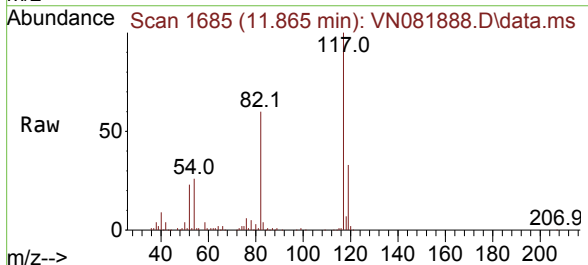
Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-32-042524

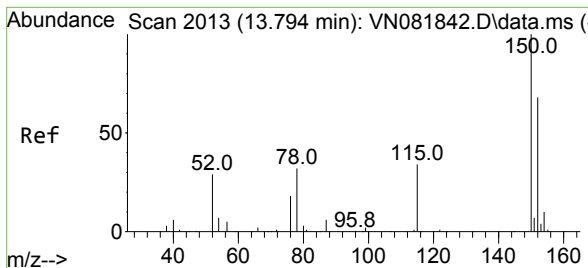
Tgt Ion:	95	Resp:	189766
Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	160.6
176	62.4	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

Tgt Ion:	117	Resp:	388145
Ion	Ratio	Lower	Upper
117	100		
82	60.3	44.6	66.8
119	33.5	25.9	38.9

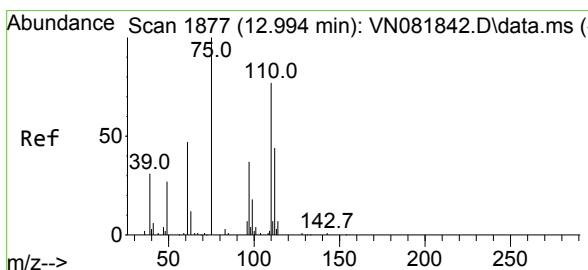
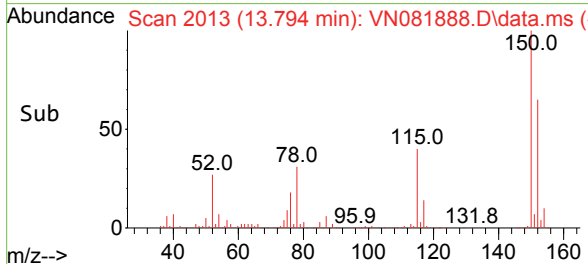
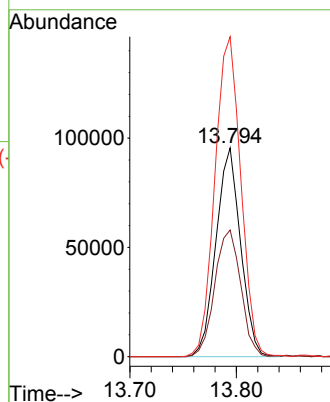
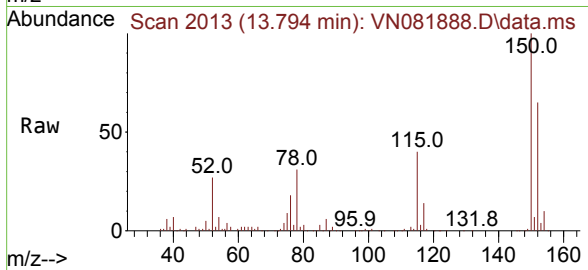




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

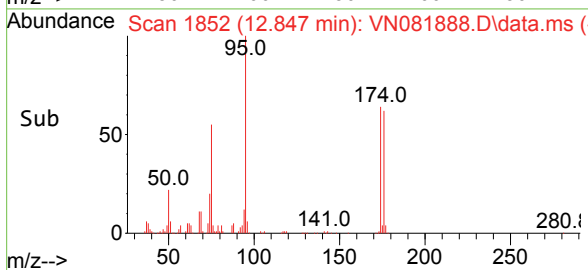
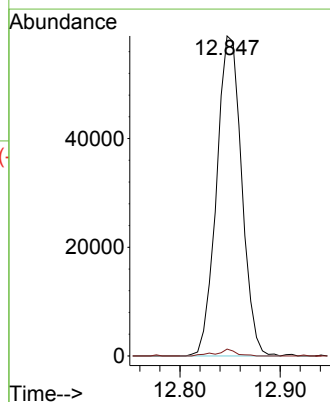
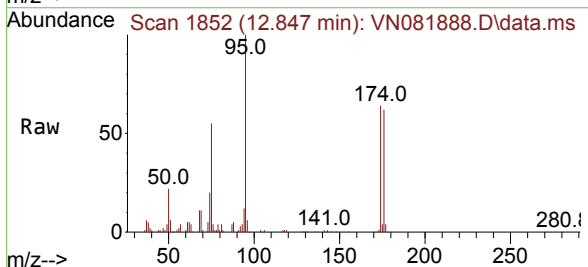
Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-32-042524

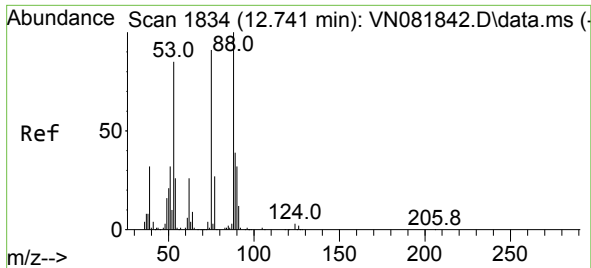
Tgt Ion:152 Resp: 153179
 Ion Ratio Lower Upper
 152 100
 115 64.0 30.4 91.3
 150 161.3 0.0 353.2



#76
 1,2,3-Trichloropropane
 Concen: 25.746 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

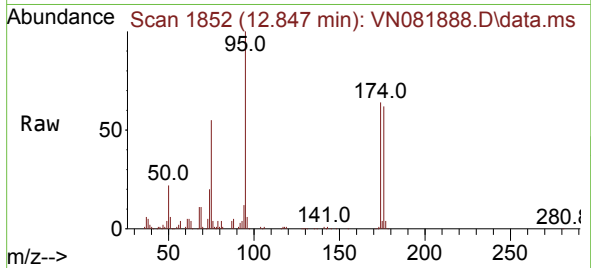
Tgt Ion: 75 Resp: 102254
 Ion Ratio Lower Upper
 75 100
 77 1.7 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.758 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081888.D
 Acq: 26 Apr 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-32-042524



Tgt Ion: 75 Resp: 102254
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.9 109.3#
 89 0.1 39.1 58.7#

