

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052824\
 Data File : VN082354.D
 Acq On : 28 May 2024 18:07
 Operator : JC\MD
 Sample : P2621-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240522011-02

Quant Time: May 29 06:56:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	199312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	352191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156158	49.618	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.240%
35) Dibromofluoromethane	8.165	113	114017	52.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.260%
50) Toluene-d8	10.571	98	436155	52.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.020%
62) 4-Bromofluorobenzene	12.853	95	155314	52.388	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	104.780%

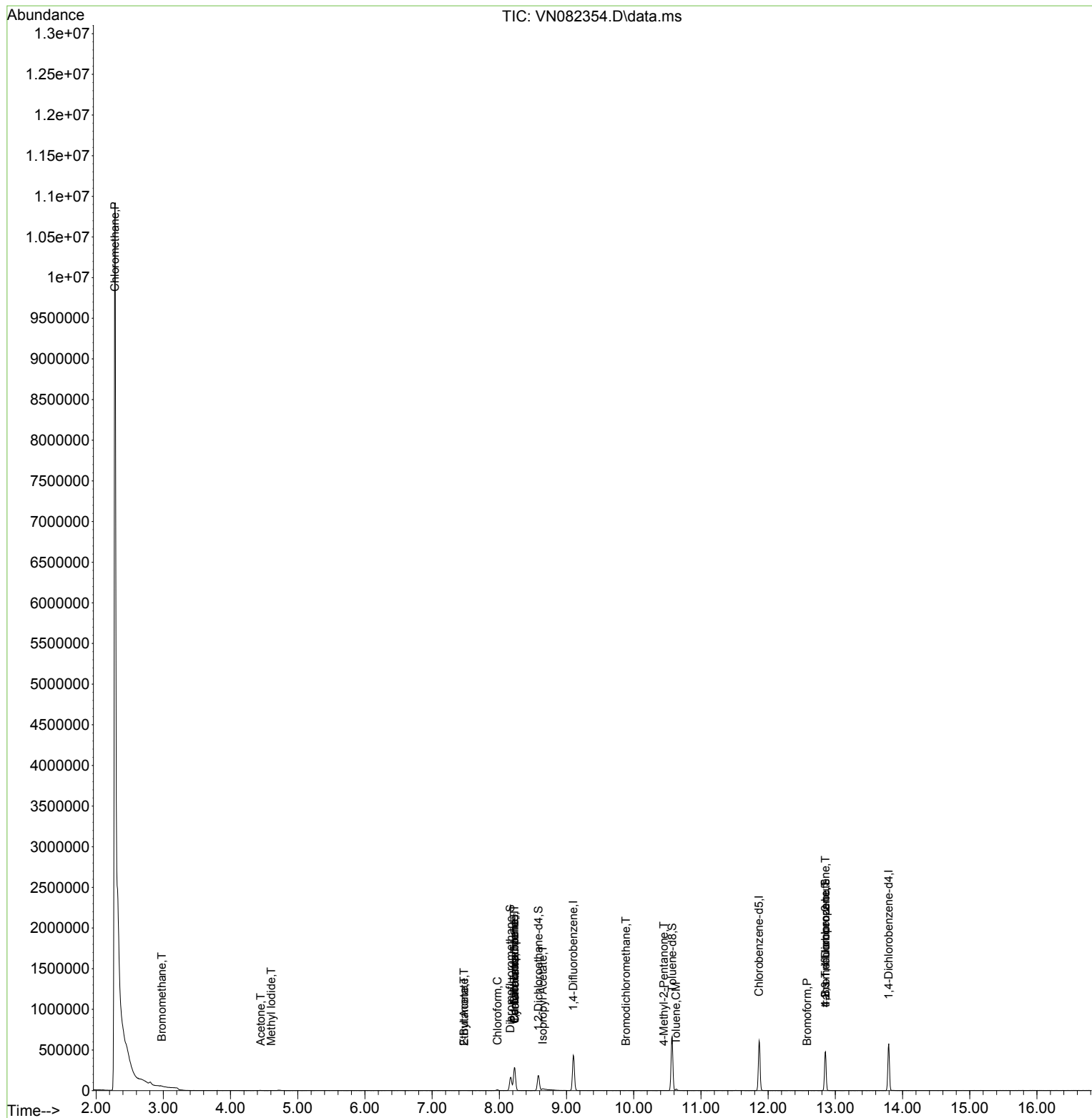
Target Compounds				Qvalue		
3) Chloromethane	2.277	50	546394	167.779	ug/l #	44
5) Bromomethane	2.977	94	3251	1.847	ug/l	92
10) Methyl Iodide	4.606	142	1012	0.430	ug/l #	84
16) Acetone	4.448	43	4806	3.723	ug/l #	88
25) 2-Butanone	7.477	43	969	0.495	ug/l #	43
30) Chloroform	7.971	83	8201	1.712	ug/l	96
31) Cyclohexane	8.230	56	5485	1.091	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	18243	5.021	ug/l #	49
37) Ethyl Acetate	7.477	43	969	0.238	ug/l #	68
38) Carbon Tetrachloride	8.224	117	21165	5.746	ug/l #	15
43) Isopropyl Acetate	8.647	43	27177	3.772	ug/l #	53
47) Bromodichloromethane	9.883	83	779	0.201	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1098	0.268	ug/l #	80
52) Toluene	10.630	92	7219	1.110	ug/l	99
71) Bromoform	12.582	173	60	0.732	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	93303	30.775	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93303	71.981	ug/l #	12

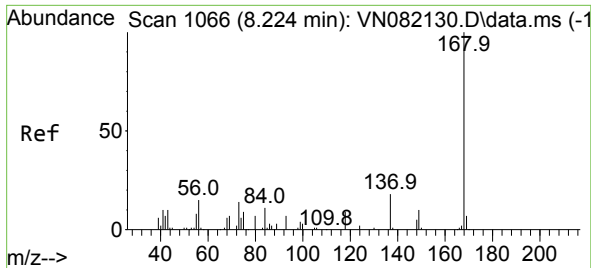
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

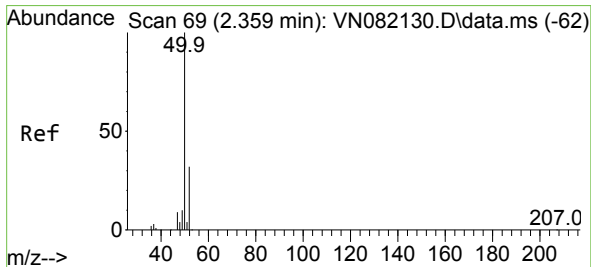
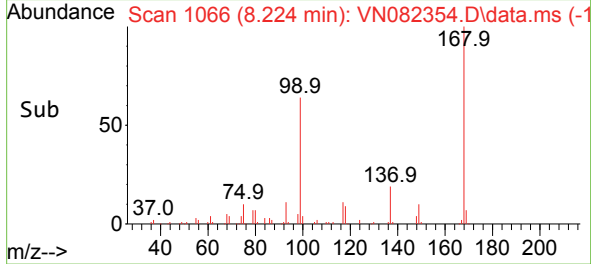
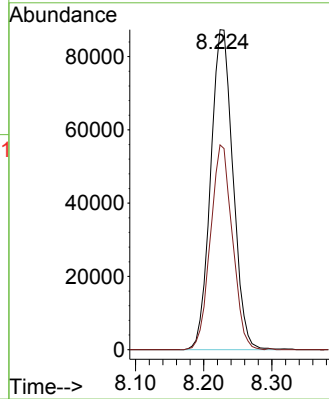
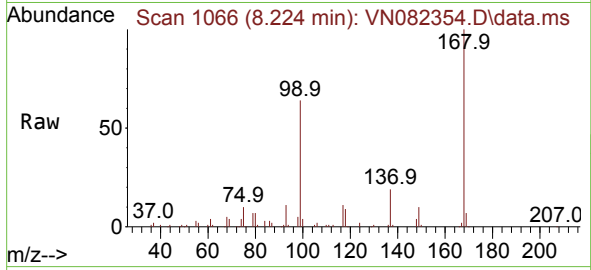




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

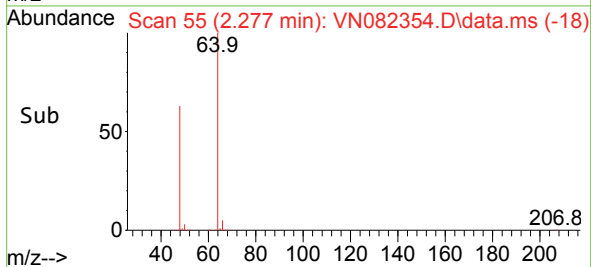
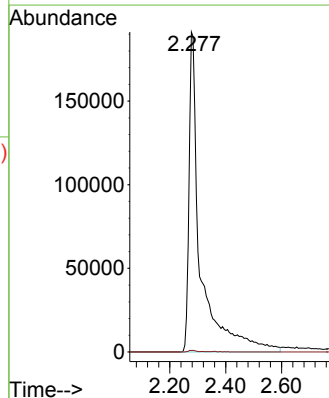
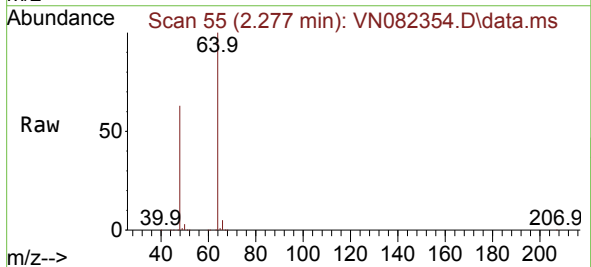
Instrument :
MSVOA_N
ClientSampleId :
240522011-02

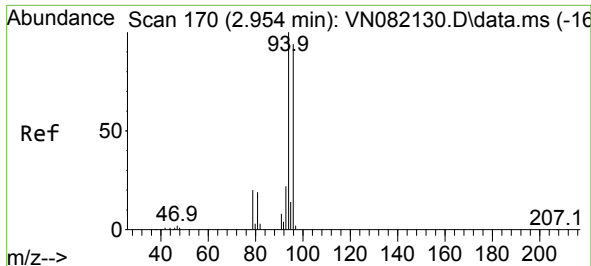
Tgt Ion:168 Resp: 199312
Ion Ratio Lower Upper
168 100
99 64.0 48.2 72.4



#3
Chloromethane
Concen: 167.779 ug/l
RT: 2.277 min Scan# 55
Delta R.T. -0.082 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 50 Resp: 546394
Ion Ratio Lower Upper
50 100
52 0.5 25.5 38.3#

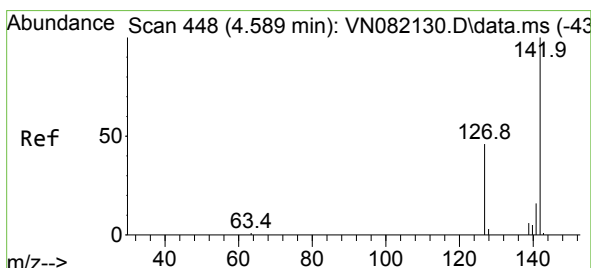
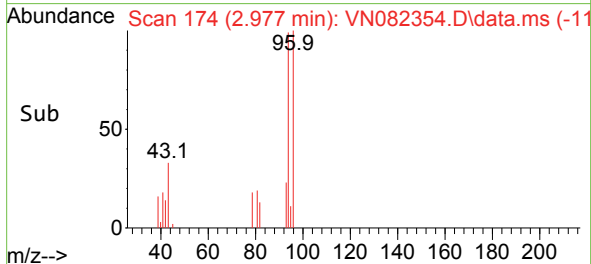
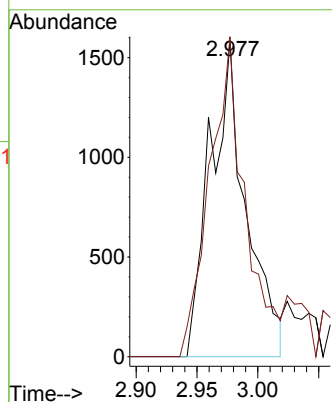
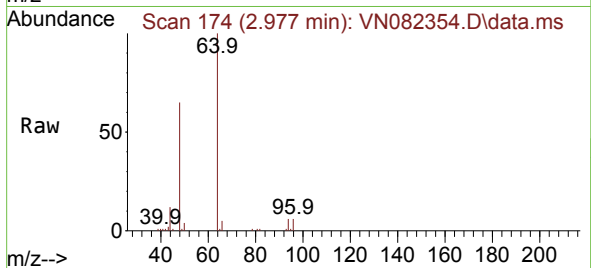




#5
Bromomethane
Concen: 1.847 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

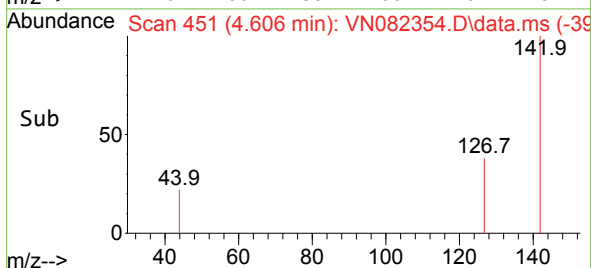
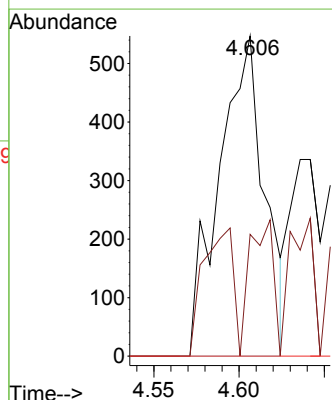
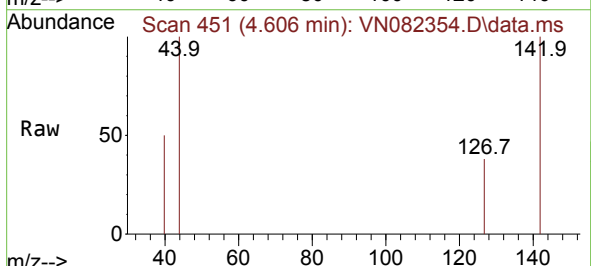
Instrument :
MSVOA_N
ClientSampleId :
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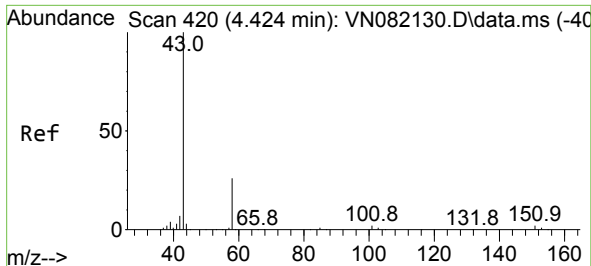
Tgt Ion: 94 Resp: 3251
Ion Ratio Lower Upper
94 100
96 101.1 74.8 112.2



#10
Methyl Iodide
Concen: 0.430 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.018 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 142 Resp: 1012
Ion Ratio Lower Upper
142 100
127 38.0 35.8 53.6
141 0.0 11.4 17.2#

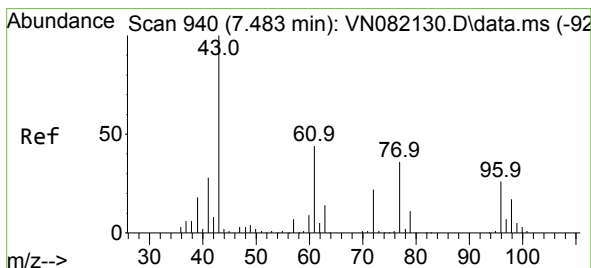
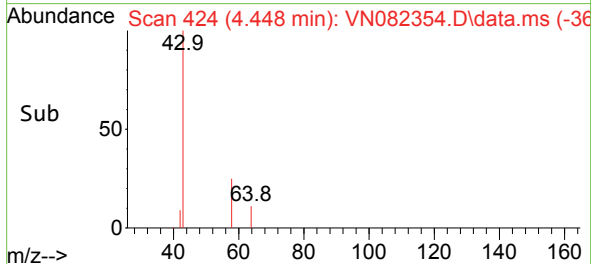
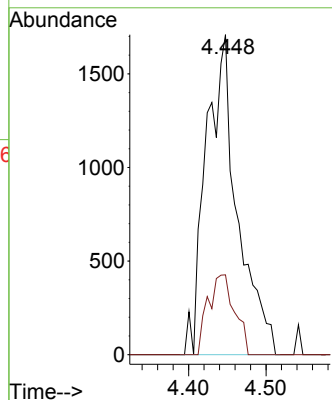
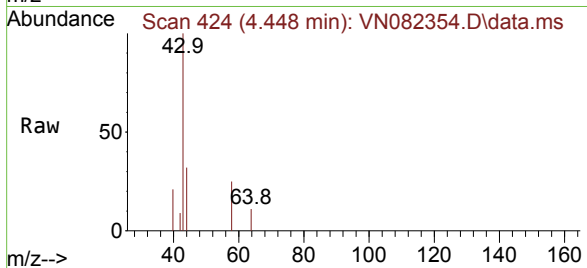




#16
Acetone
Concen: 3.723 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

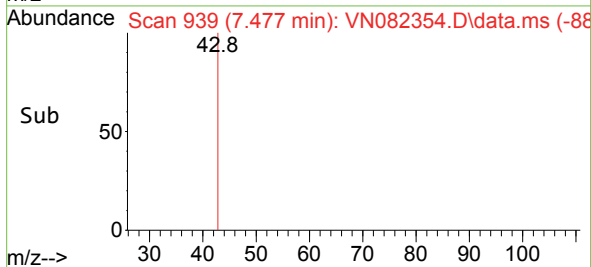
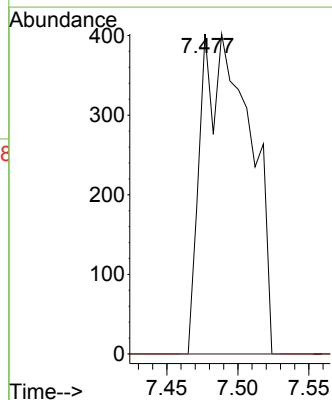
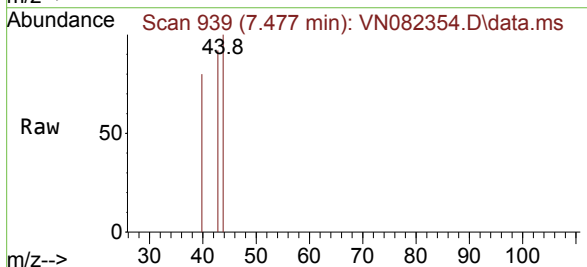
Instrument :
MSVOA_N
ClientSampleId :
240522011-02

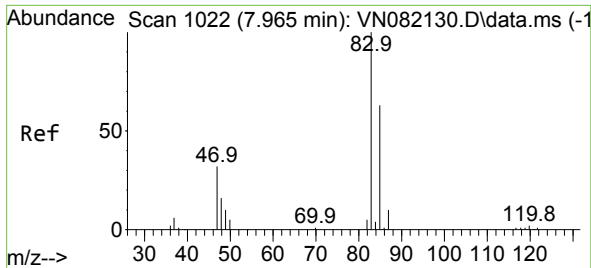
Tgt Ion: 43 Resp: 4806
Ion Ratio Lower Upper
43 100
58 25.0 25.2 37.8#



#25
2-Butanone
Concen: 0.495 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#

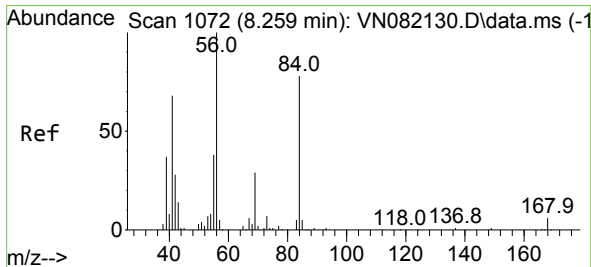
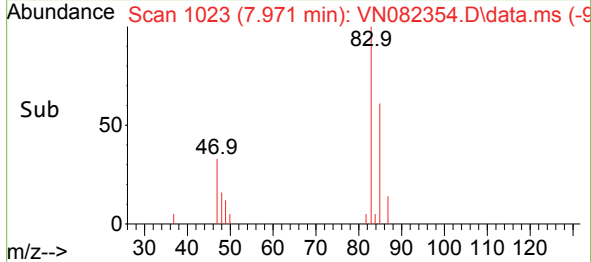
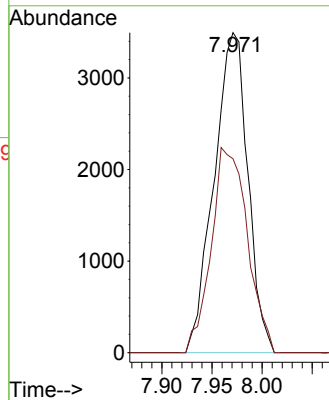
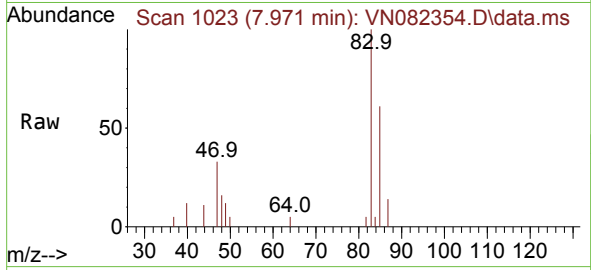




#30
Chloroform
Concen: 1.712 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

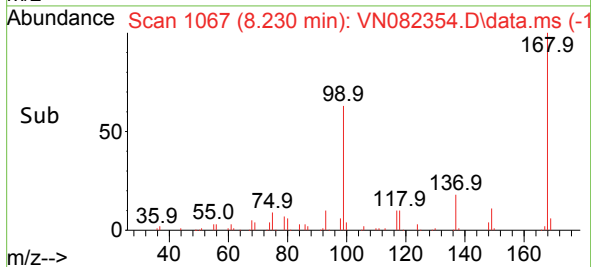
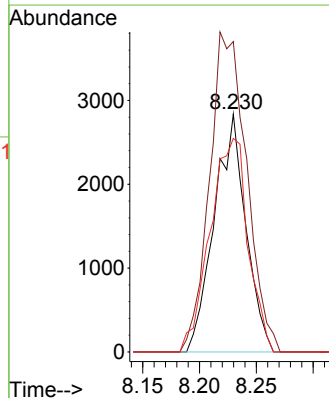
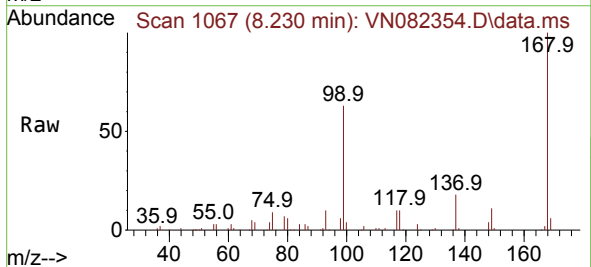
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MSVOA_N
ClientSampleId :
240522011-02

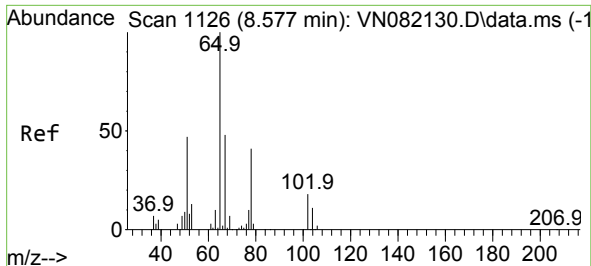
Tgt Ion: 83 Resp: 8201
Ion Ratio Lower Upper
83 100
85 60.6 50.7 76.1



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 56 Resp: 5485
Ion Ratio Lower Upper
56 100
69 130.5 24.4 36.6#
84 89.8 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 49.618 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082354.D

Acq: 28 May 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :

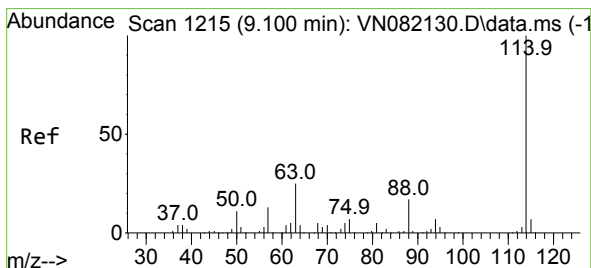
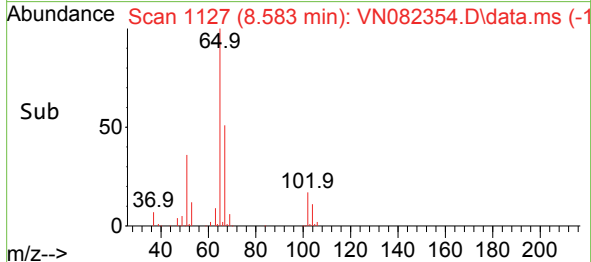
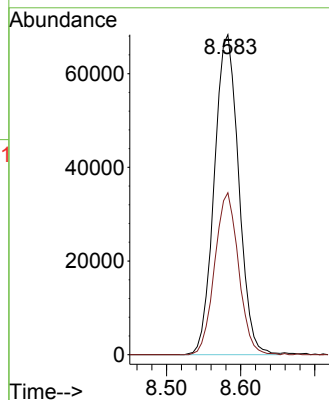
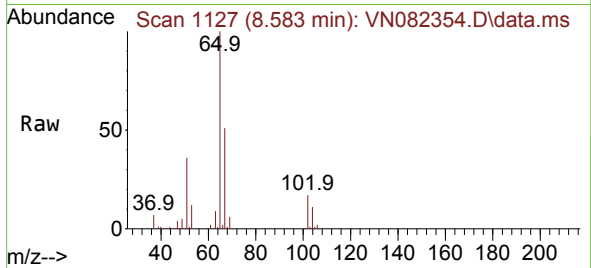
240522011-02

Tgt Ion: 65 Resp: 156158

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082354.D

Acq: 28 May 2024 18:07

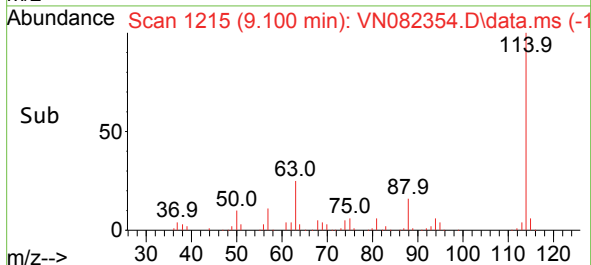
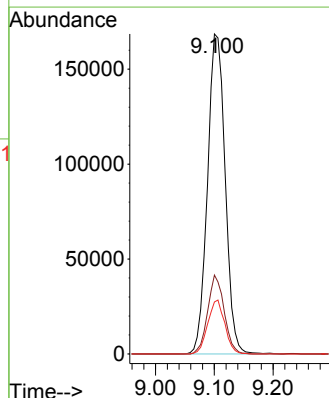
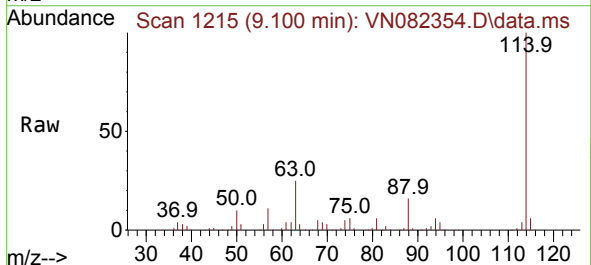
Tgt Ion: 114 Resp: 352191

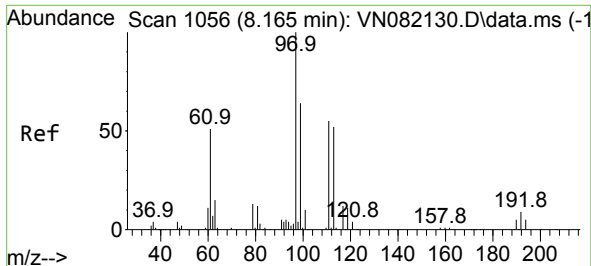
Ion Ratio Lower Upper

114 100

63 24.7 0.0 41.0

88 16.3 0.0 31.4

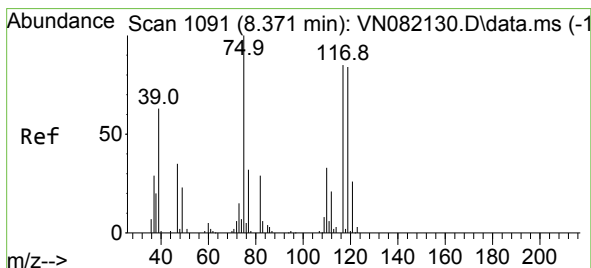
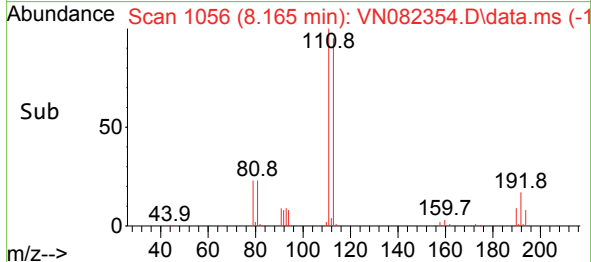
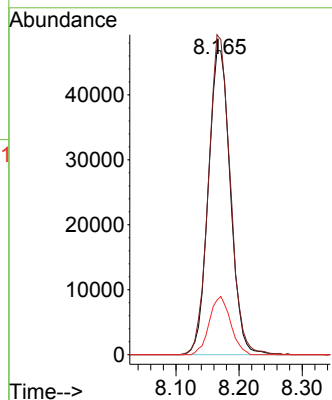
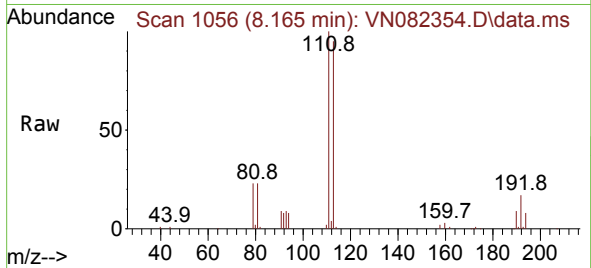




#35
Dibromofluoromethane
Concen: 52.627 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

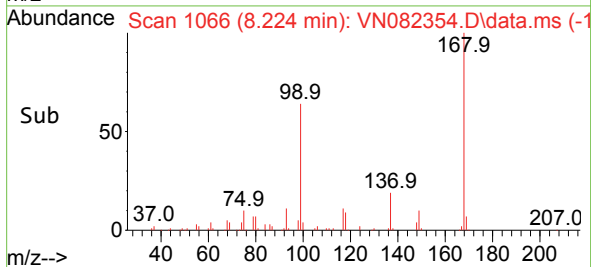
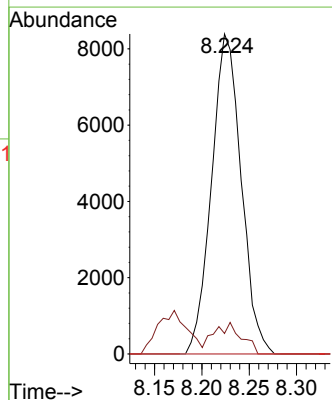
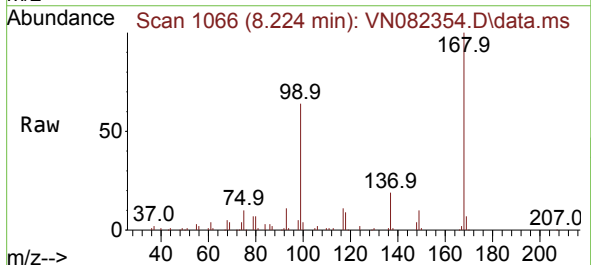
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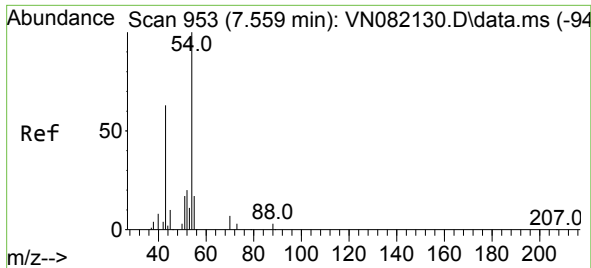
Tgt Ion:113 Resp: 114017
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.021 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

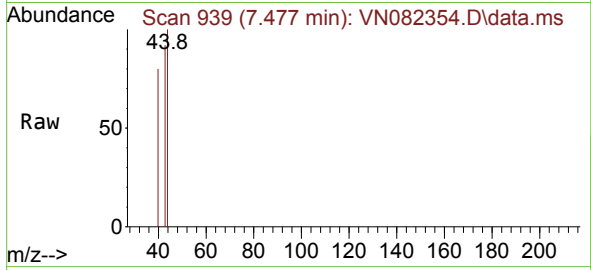
Tgt Ion: 75 Resp: 18243
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 25.0 37.4#



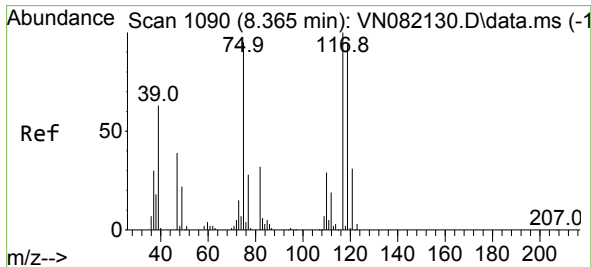
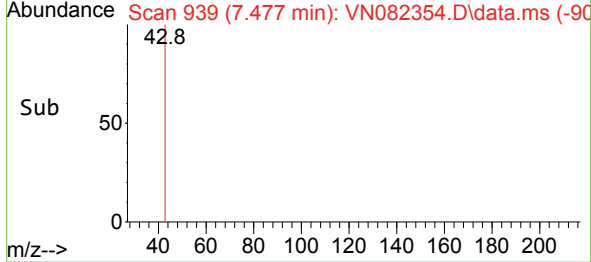
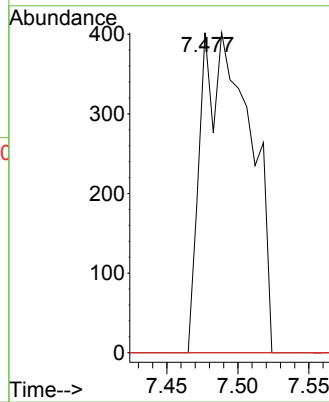


#37
Ethyl Acetate
Concen: 0.238 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.082 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :
240522011-02

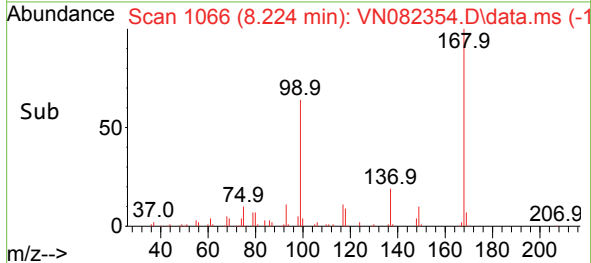
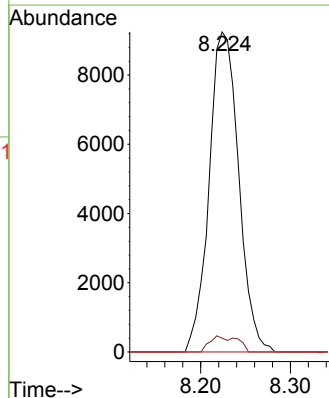
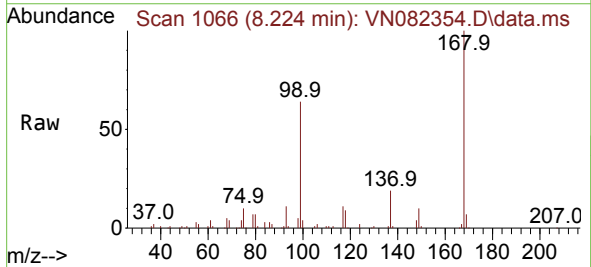


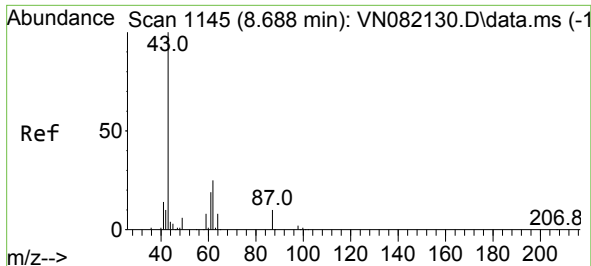
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

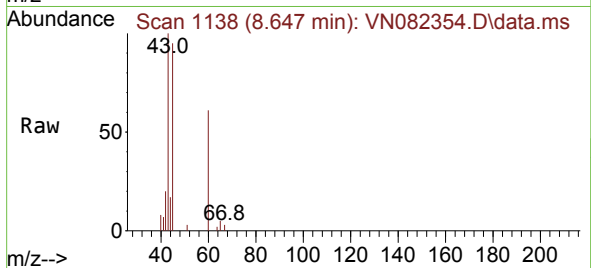
Tgt Ion: 117 Resp: 21165
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#



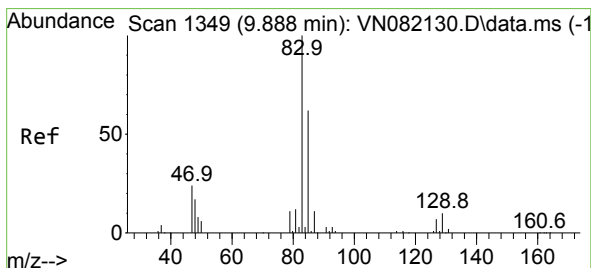
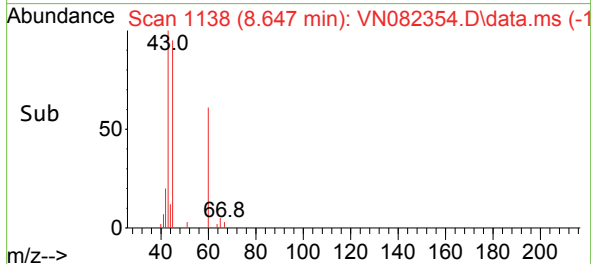
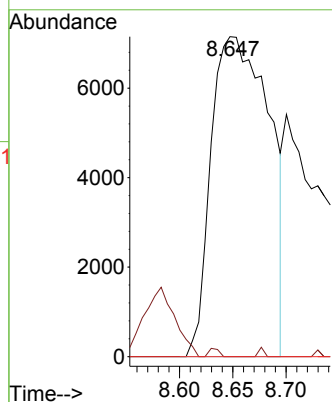


#43
Isopropyl Acetate
Concen: 3.772 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.041 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Instrument :
MSVOA_N
ClientSampleId :
240522011-02

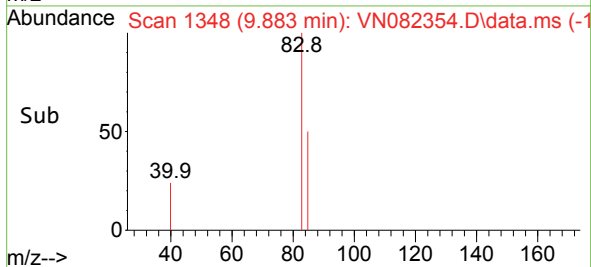
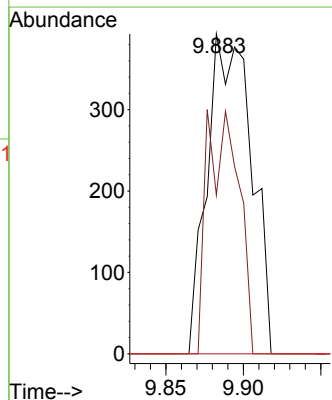
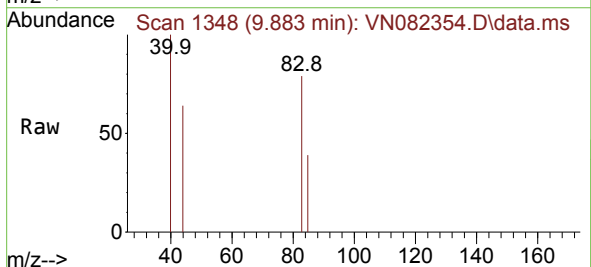


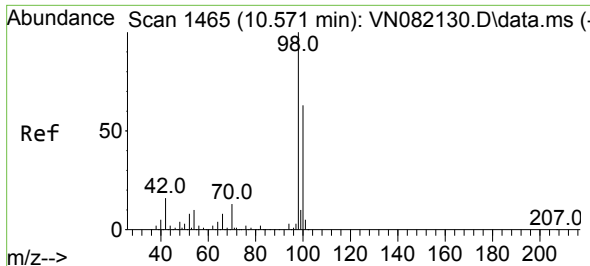
Tgt Ion: 43 Resp: 27177
Ion Ratio Lower Upper
43 100
61 0.4 22.8 34.2#
87 0.0 12.0 18.0#



#47
Bromodichloromethane
Concen: 0.201 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 83 Resp: 779
Ion Ratio Lower Upper
83 100
85 49.6 51.9 77.9#
127 0.0 7.5 11.3#

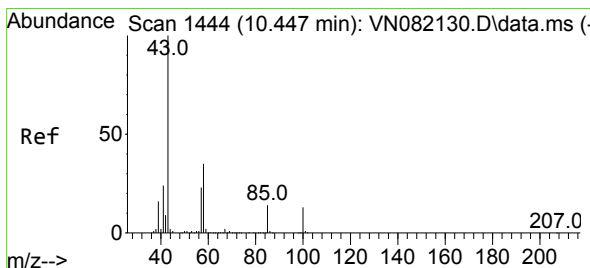
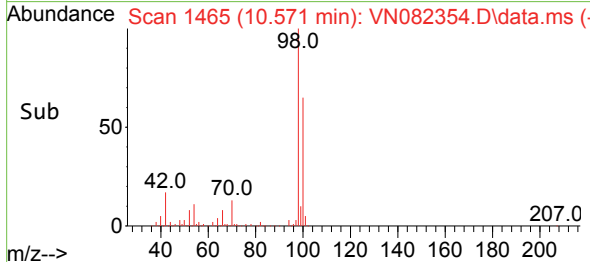
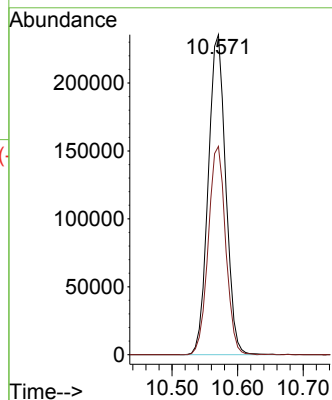
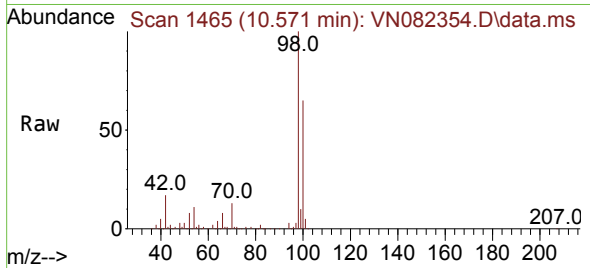




#50
Toluene-d8
Concen: 52.509 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

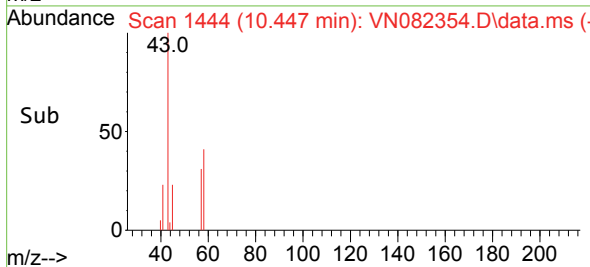
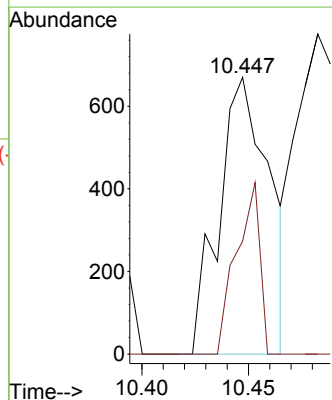
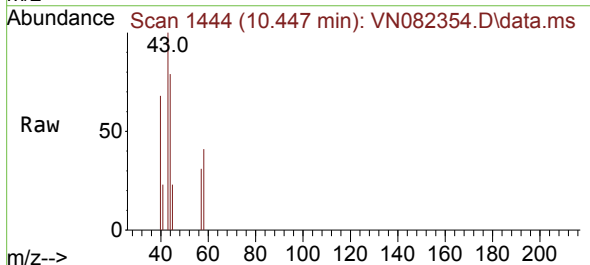
Instrument :
MSVOA_N
ClientSampleId :
240522011-02

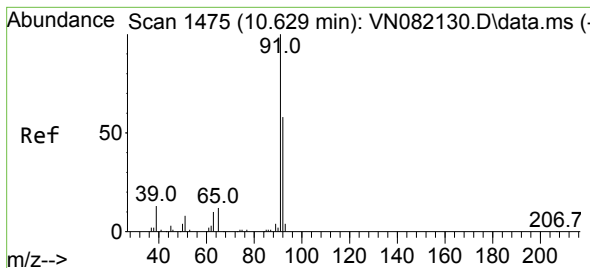
Tgt Ion: 98 Resp: 436155
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.268 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 29.1 33.2 49.8#





#52

Toluene

Concen: 1.110 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN082354.D

Acq: 28 May 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :

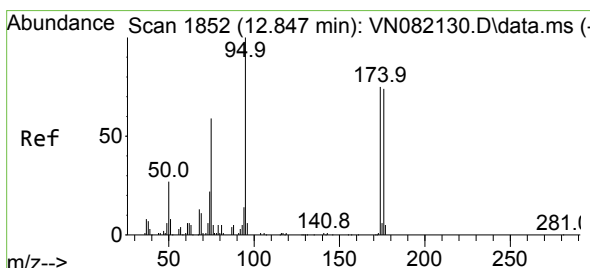
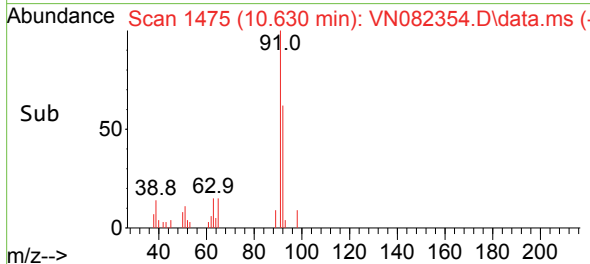
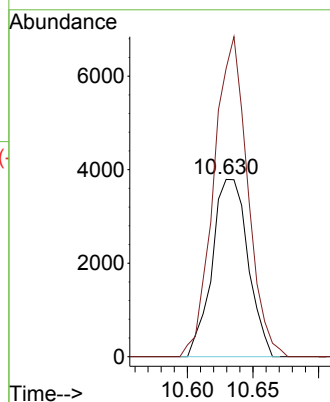
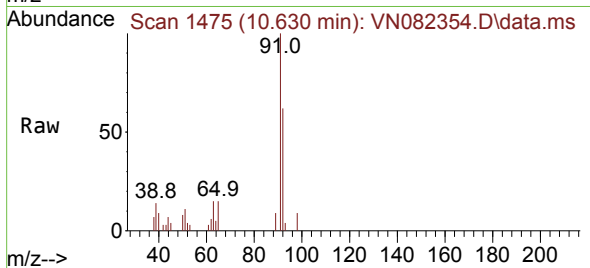
240522011-02

Tgt Ion: 92 Resp: 7219

Ion Ratio Lower Upper

92 100

91 170.1 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 52.388 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082354.D

Acq: 28 May 2024 18:07

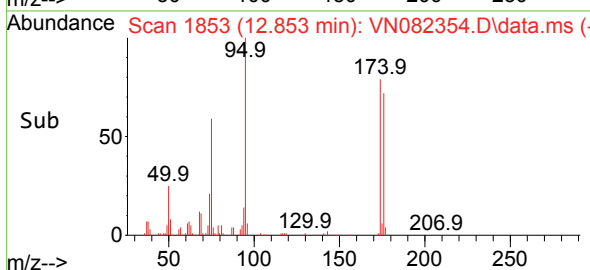
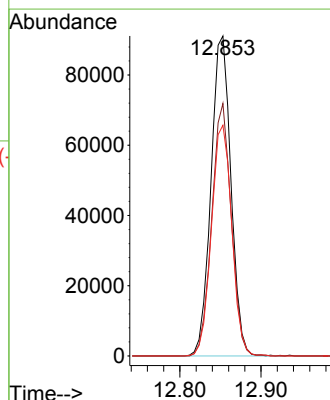
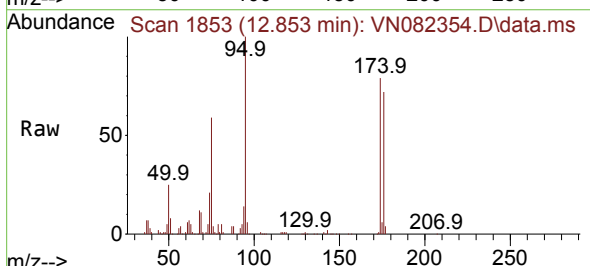
Tgt Ion: 95 Resp: 155314

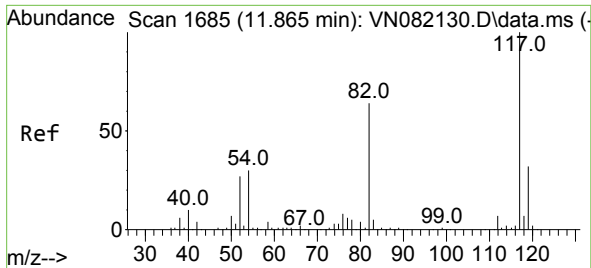
Ion Ratio Lower Upper

95 100

174 77.3 0.0 160.6

176 73.7 0.0 152.8

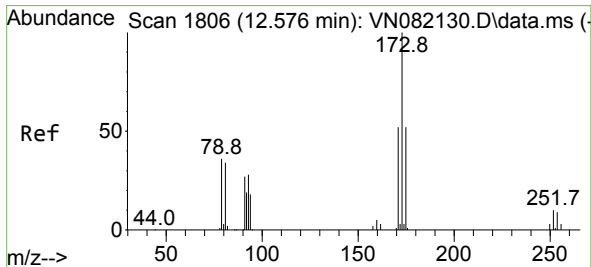
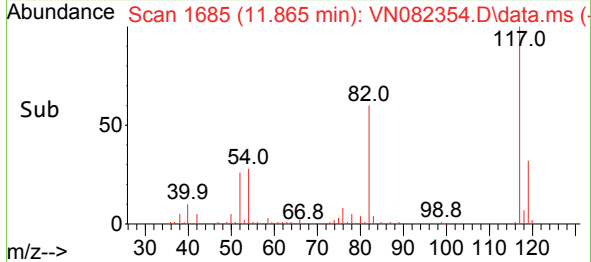
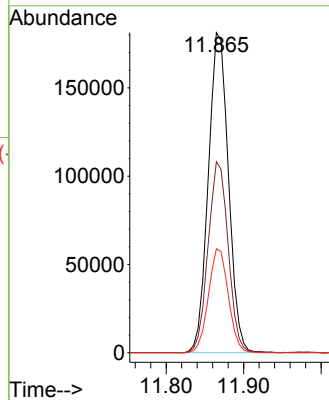
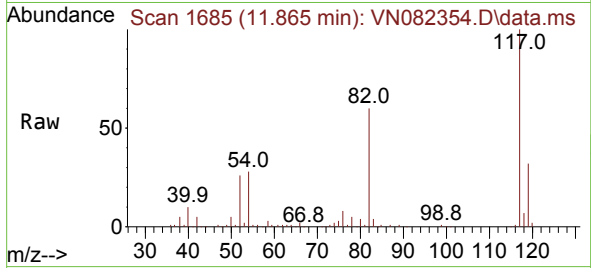




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

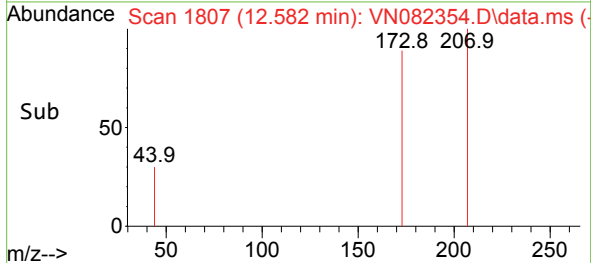
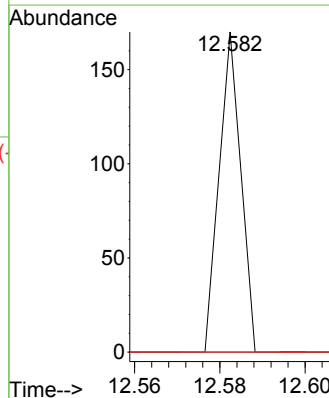
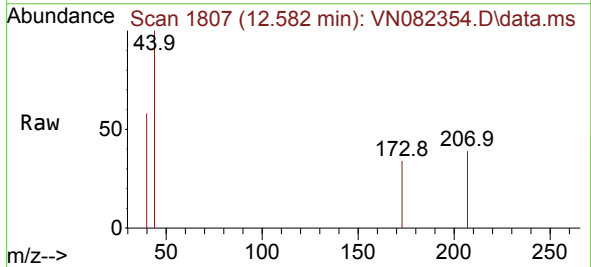
Instrument :
MSVOA_N
ClientSampleId :
240522011-02

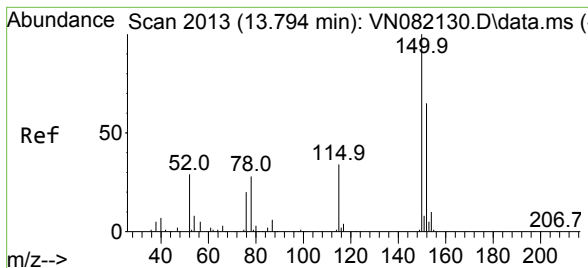
Tgt Ion:	117	Resp:	327474
Ion	Ratio	Lower	Upper
117	100		
82	59.7	44.6	66.8
119	32.4	25.9	38.9



#71
Bromoform
Concen: 0.732 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN082354.D
Acq: 28 May 2024 18:07

Tgt Ion:	173	Resp:	60
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.6	74.0#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082354.D

Acq: 28 May 2024 18:07

Instrument :

MSVOA_N

ClientSampleId :

240522011-02

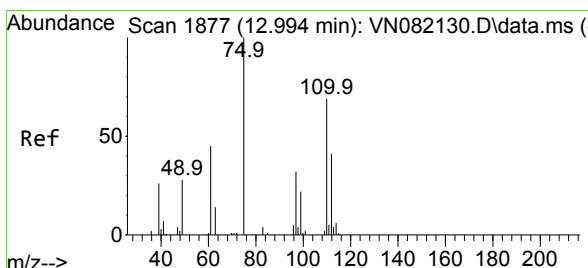
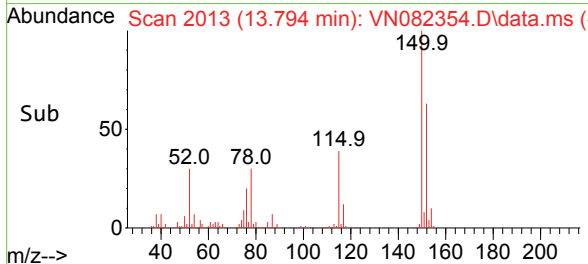
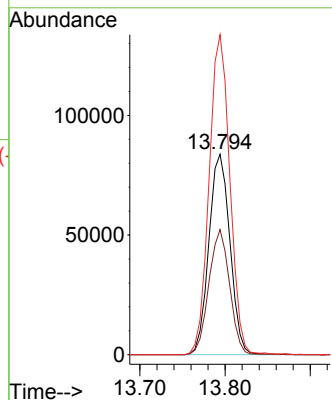
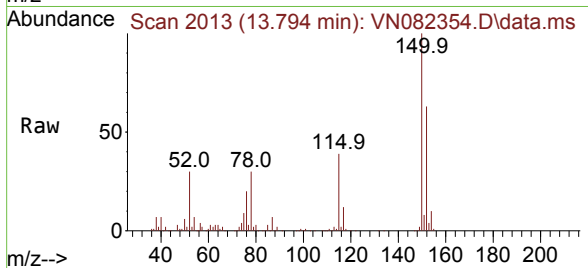
Tgt Ion:152 Resp: 144045

Ion Ratio Lower Upper

152 100

115 61.4 30.4 91.3

150 157.1 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.775 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082354.D

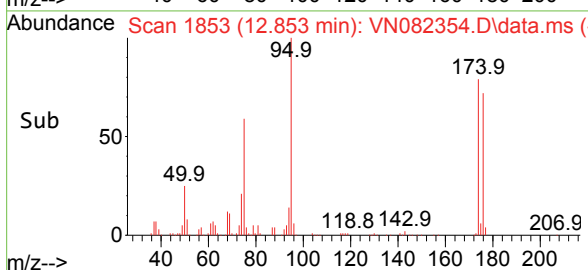
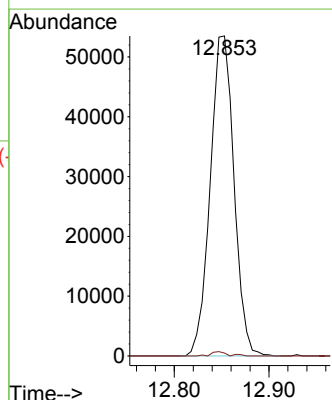
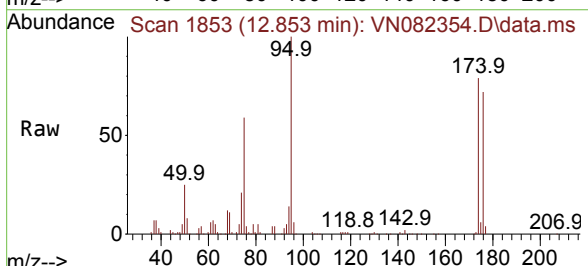
Acq: 28 May 2024 18:07

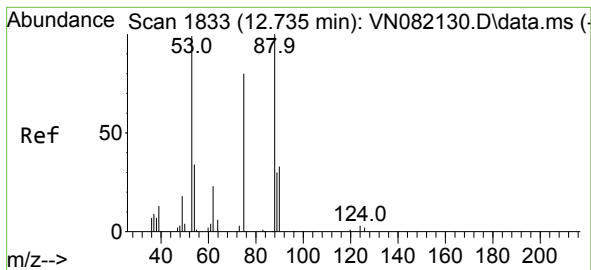
Tgt Ion: 75 Resp: 93303

Ion Ratio Lower Upper

75 100

77 0.9 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.981 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082354.D
 Acq: 28 May 2024 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 240522011-02

Tgt Ion: 75 Resp: 93303
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

