

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040124\
 Data File : VN081643.D
 Acq On : 01 Apr 2024 12:46
 Operator : JC\MD
 Sample : P1937-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A5552

Quant Time: Apr 02 01:13:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

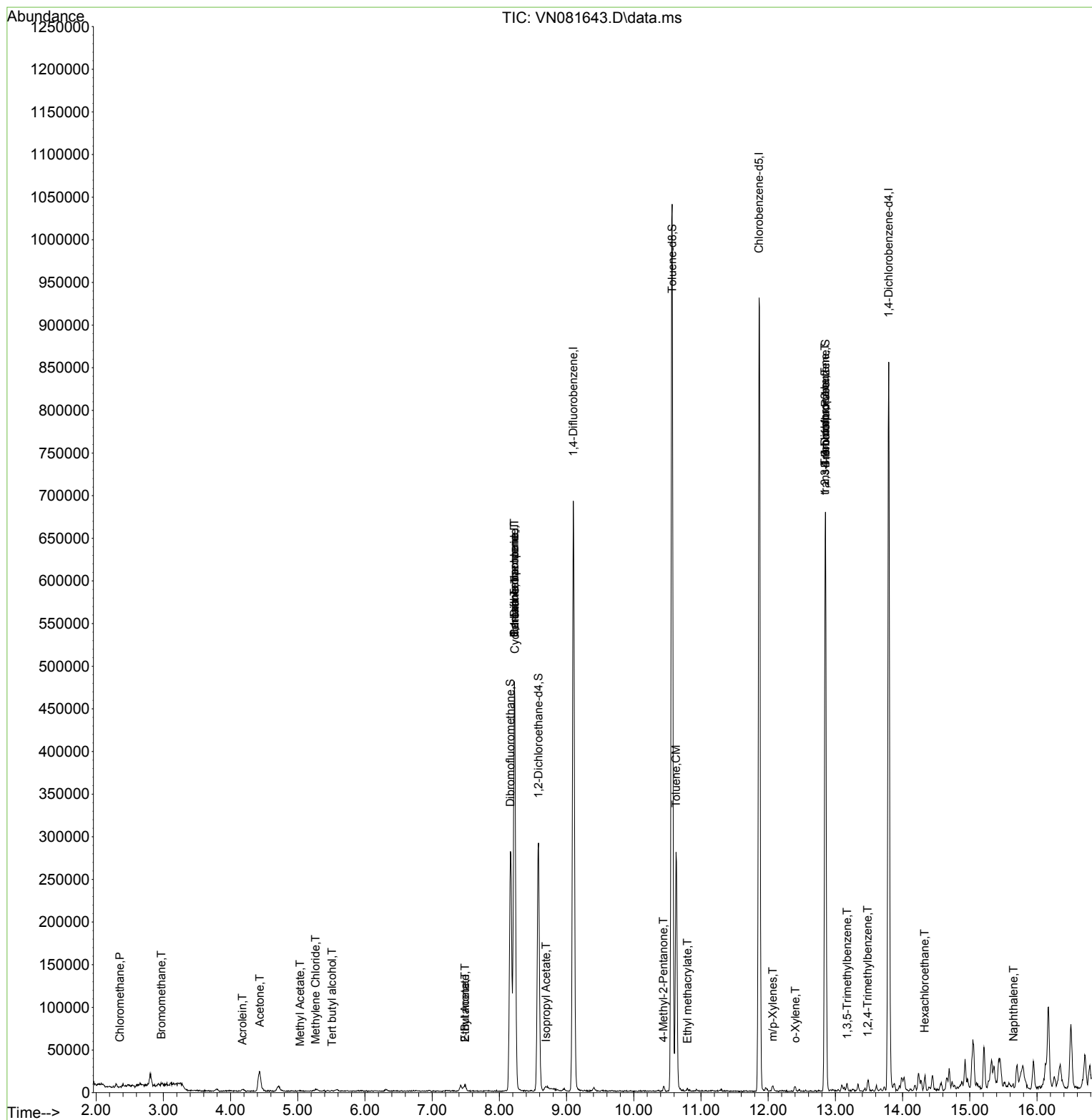
Internal Standards						
1) Pentafluorobenzene	8.224	168	336803	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	608444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	563687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	237672	55.335	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.680%			
35) Dibromofluoromethane	8.165	113	204104	53.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.571	98	742422	53.486	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.853	95	235523	48.154	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.300%			
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	1219	0.270	ug/l	99
5) Bromomethane	2.971	94	1375	0.384	ug/l	# 73
11) Tert butyl alcohol	5.512	59	596	0.796	ug/l	# 72
13) Acrolein	4.177	56	1256	1.870	ug/l	# 1
16) Acetone	4.436	43	43178	31.106	ug/l	94
18) Methyl Acetate	5.036	43	978	0.229	ug/l	# 54
20) Methylene Chloride	5.265	84	1688	0.371	ug/l	# 55
25) 2-Butanone	7.488	43	11501	4.831	ug/l	99
31) Cyclohexane	8.229	56	8463	1.211	ug/l	# 31
36) 1,1-Dichloropropene	8.224	75	28465	4.405	ug/l	# 52
37) Ethyl Acetate	7.488	43	11501	2.078	ug/l	# 70
38) Carbon Tetrachloride	8.224	117	37813	5.342	ug/l	# 18
43) Isopropyl Acetate	8.694	43	3450	0.376	ug/l	# 57
51) 4-Methyl-2-Pentanone	10.441	43	3944	0.705	ug/l	91
52) Toluene	10.629	92	122478	10.200	ug/l	99
56) Ethyl methacrylate	10.800	69	476	0.643	ug/l	# 58
68) m/p-Xylenes	12.070	106	2344	0.270	ug/l	77
69) o-Xylene	12.406	106	1932	0.227	ug/l	85
71) Bromoform	12.853	173	2366	0.638	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	121229	21.972	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.176	105	3728	0.230	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.847	75	121229	59.375	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.482	105	6987	0.428	ug/l	71
90) Hexachloroethane	14.329	117	1280	0.413	ug/l	# 21
95) Naphthalene	15.653	128	4625	0.287	ug/l	# 84

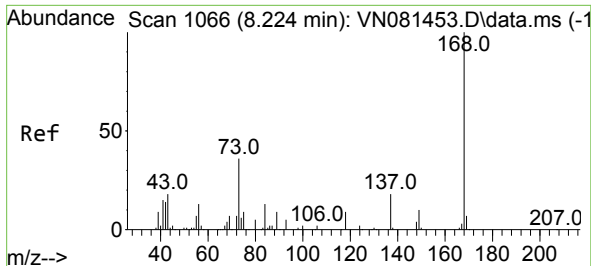
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration

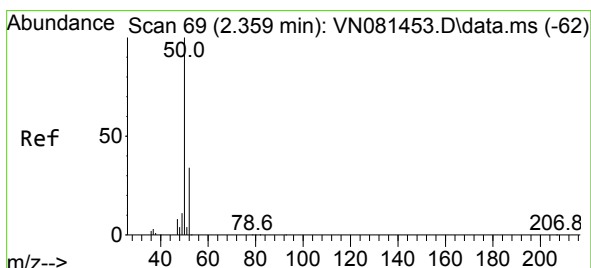
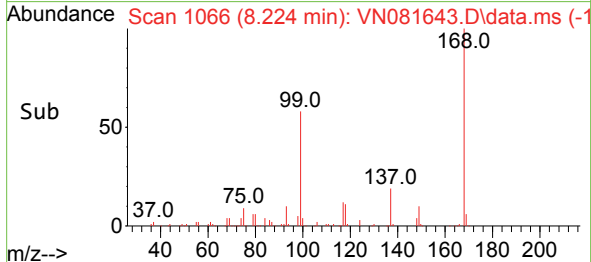
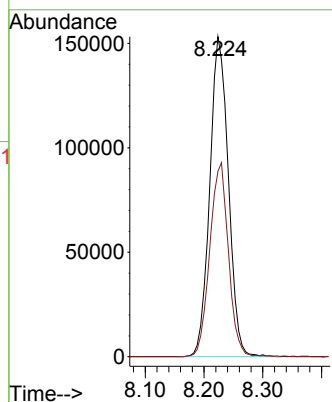
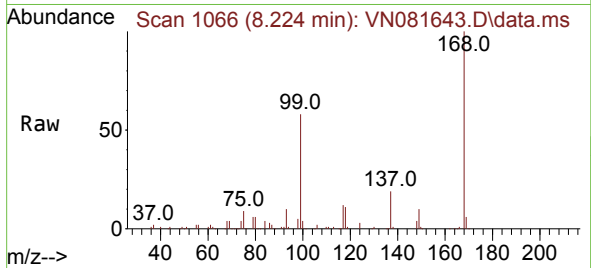




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

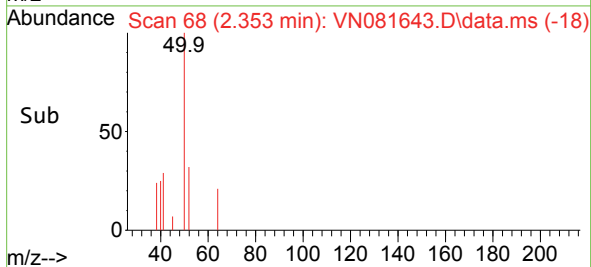
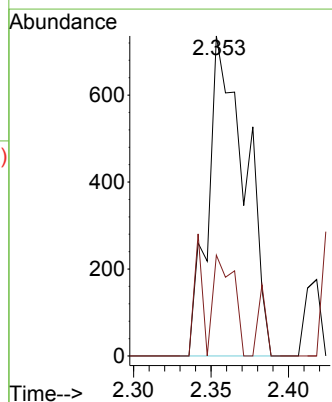
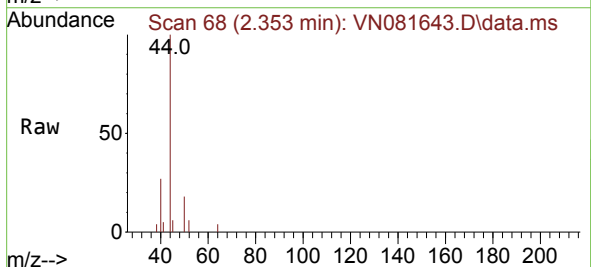
Instrument :
MSVOA_N
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A5552

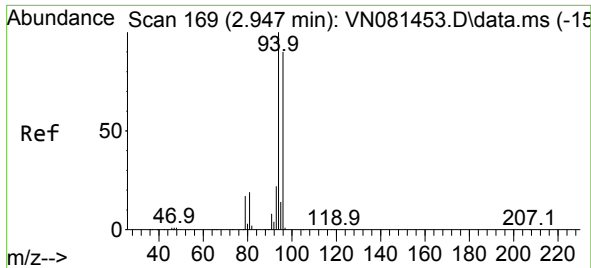
Tgt Ion:168 Resp: 336803
Ion Ratio Lower Upper
168 100
99 58.0 59.9 89.9#



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 50 Resp: 1219
Ion Ratio Lower Upper
50 100
52 31.5 25.0 37.4

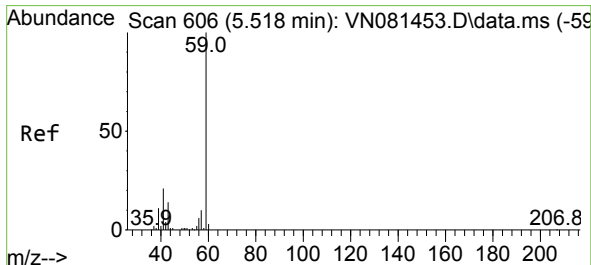
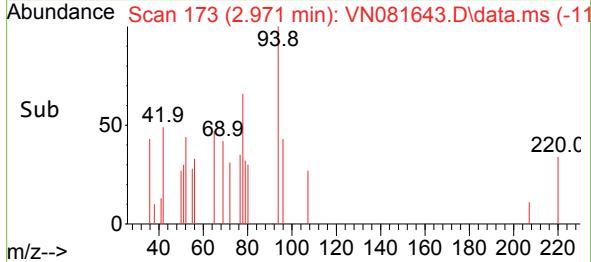
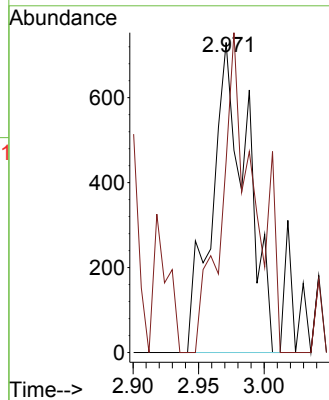
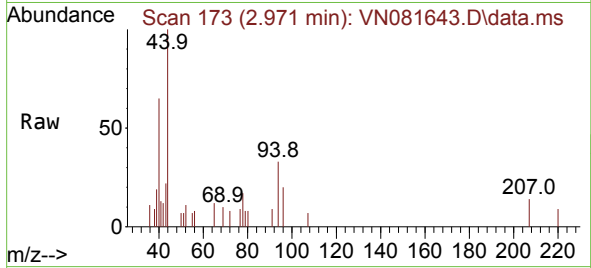




#5
Bromomethane
Concen: 0.384 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

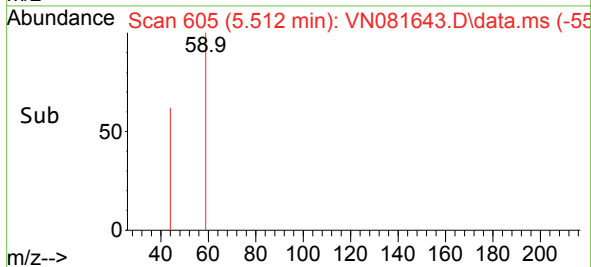
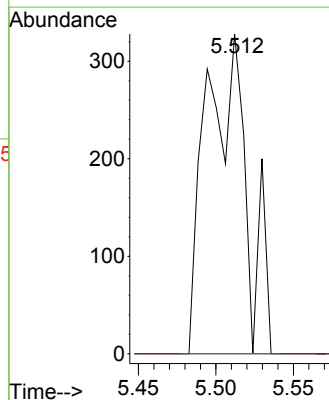
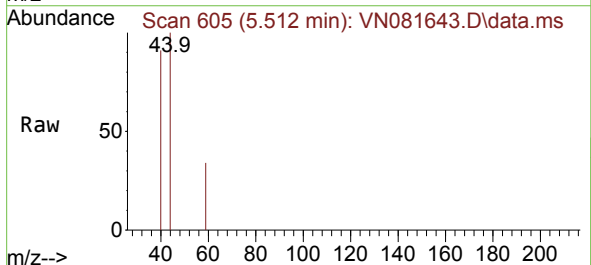
Instrument :
MSVOA_N
ClientSampleId :
A5552

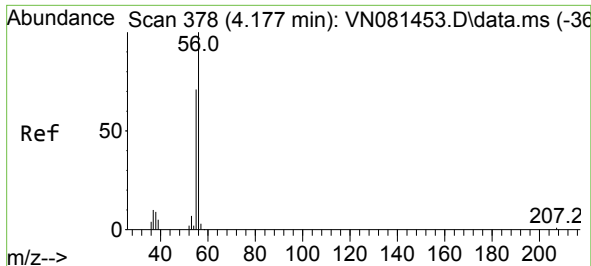
Tgt Ion: 94 Resp: 1375
Ion Ratio Lower Upper
94 100
96 61.6 69.2 103.8#



#11
Tert butyl alcohol
Concen: 0.796 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 59 Resp: 596
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.870 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

Instrument :

MSVOA_N

ClientSampleId :

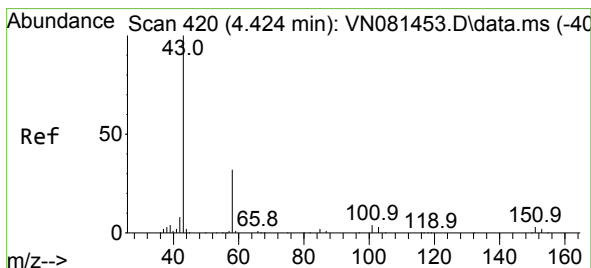
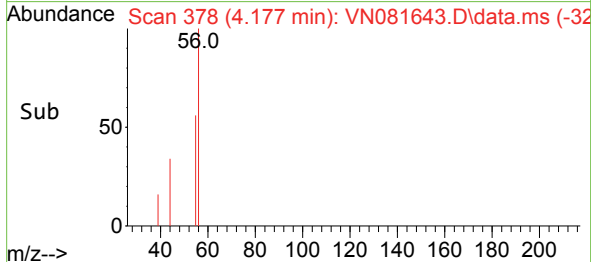
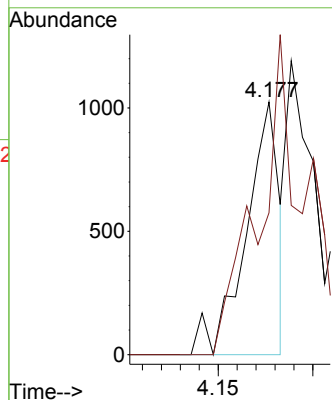
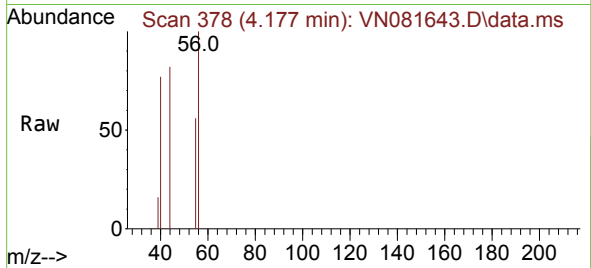
A5552

Tgt Ion: 56 Resp: 1256

Ion Ratio Lower Upper

56 100

55 176.3 55.3 82.9#



#16

Acetone

Concen: 31.106 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081643.D

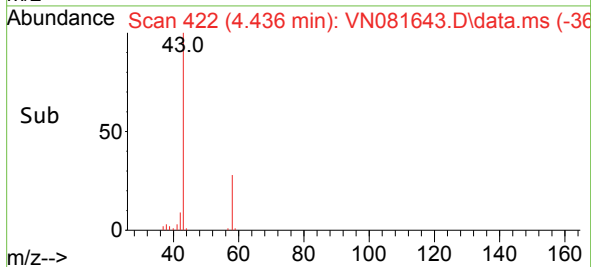
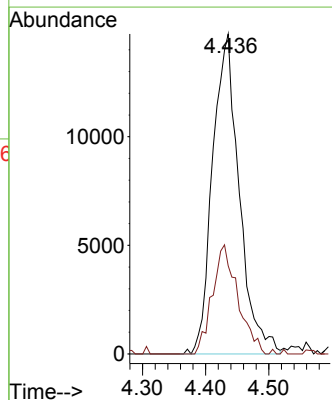
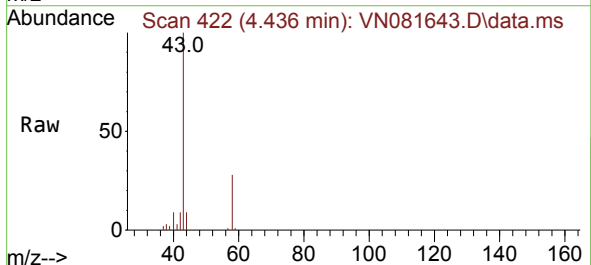
Acq: 01 Apr 2024 12:46

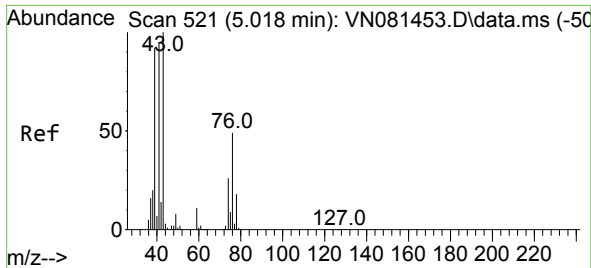
Tgt Ion: 43 Resp: 43178

Ion Ratio Lower Upper

43 100

58 27.6 24.8 37.2

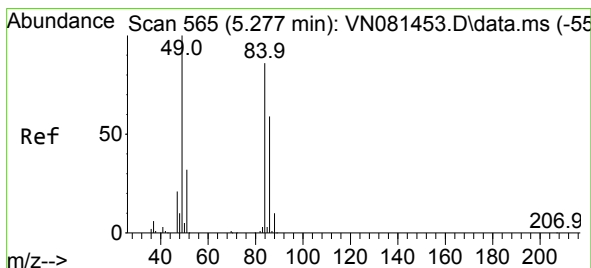
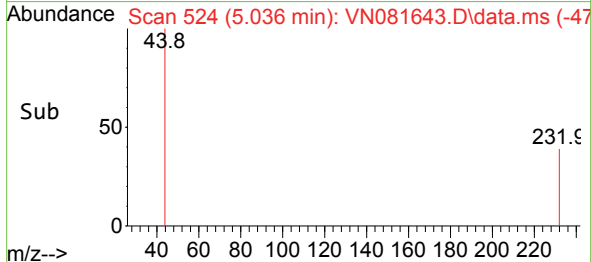
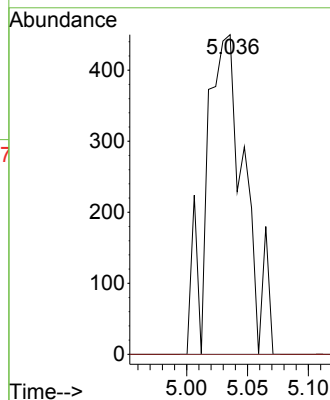
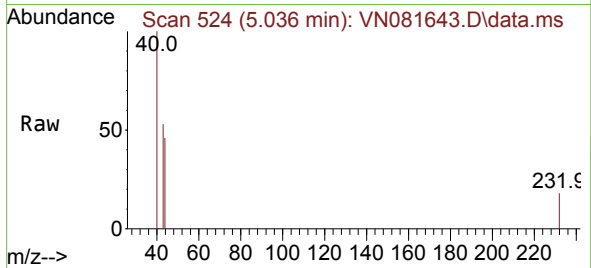




#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

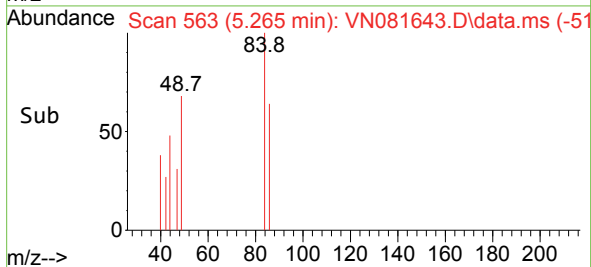
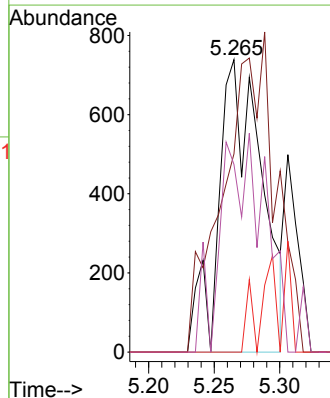
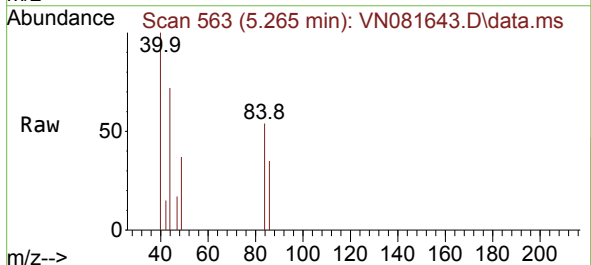
Instrument :
MSVOA_N
ClientSampleId :
A5552

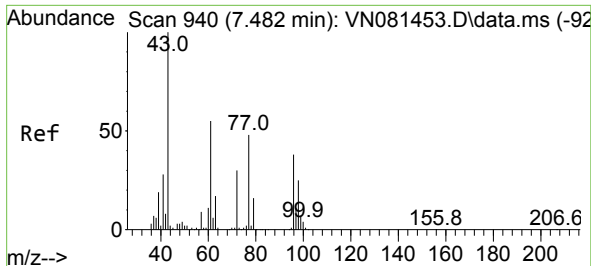
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 84 Resp: 1688
Ion Ratio Lower Upper
84 100
49 67.8 108.1 162.1#
51 0.0 32.9 49.3#
86 64.1 48.6 73.0

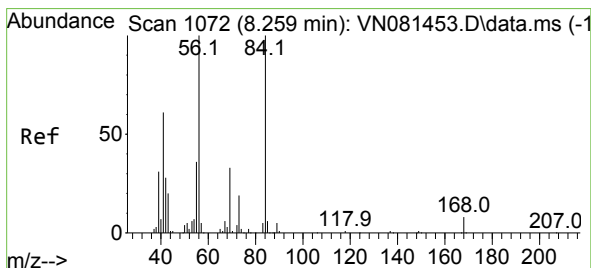
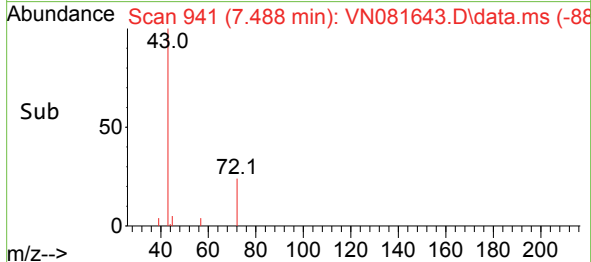
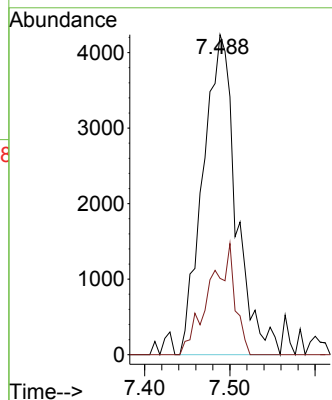
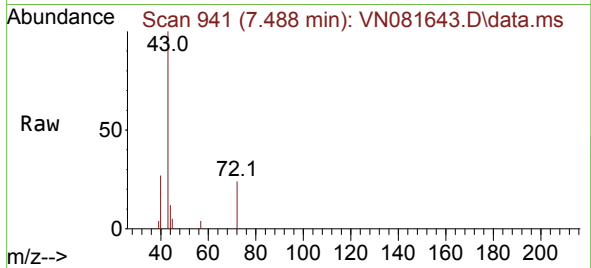




#25
2-Butanone
Concen: 4.831 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

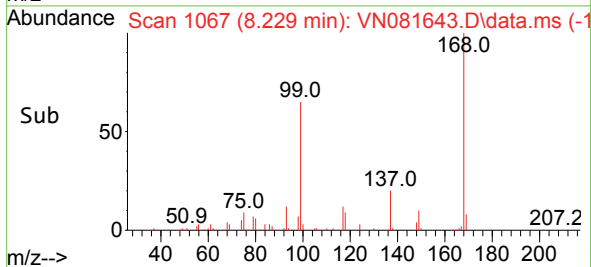
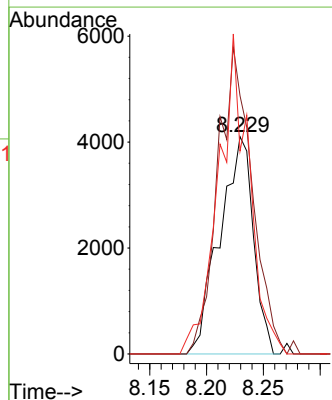
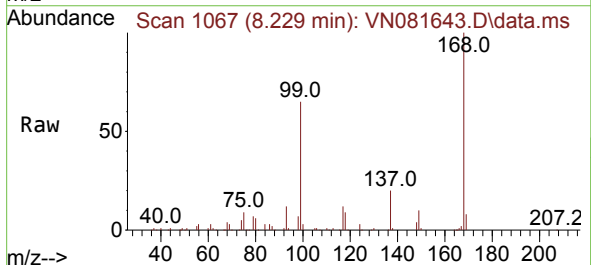
Instrument :
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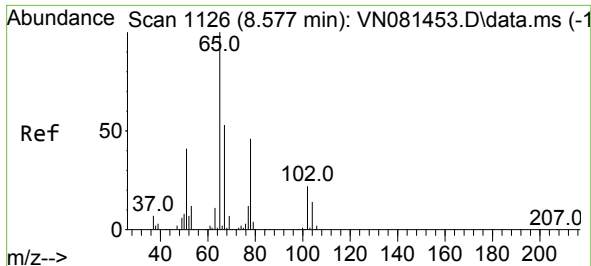
Tgt Ion: 43 Resp: 11501
Ion Ratio Lower Upper
43 100
72 23.8 19.5 29.3



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 56 Resp: 8463
Ion Ratio Lower Upper
56 100
69 118.8 20.1 30.1#
84 93.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.335 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

Instrument :

MSVOA_N

ClientSampleId :

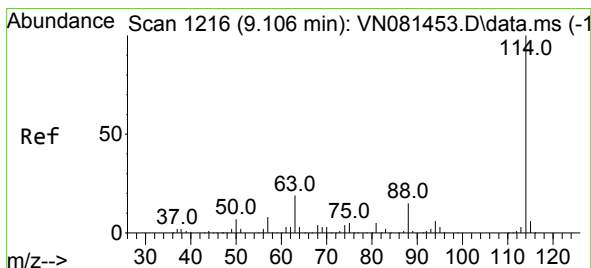
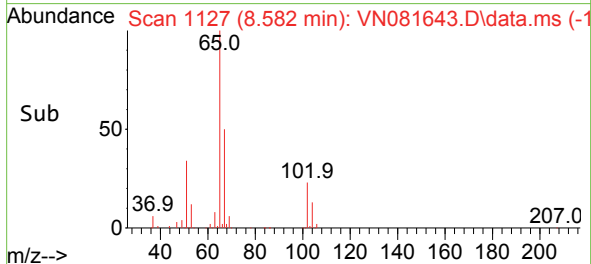
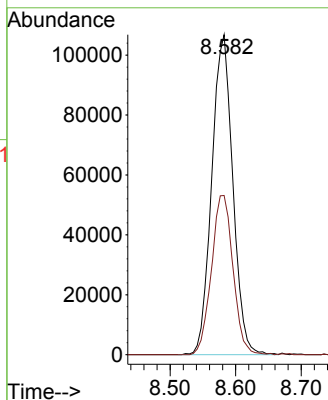
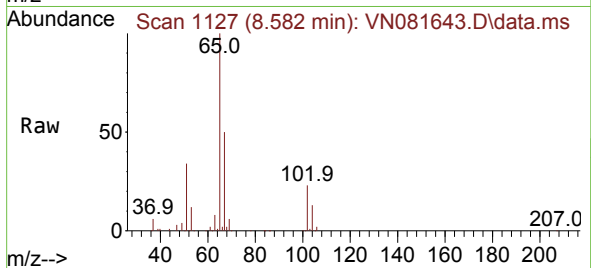
A5552

Tgt Ion: 65 Resp: 237672

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

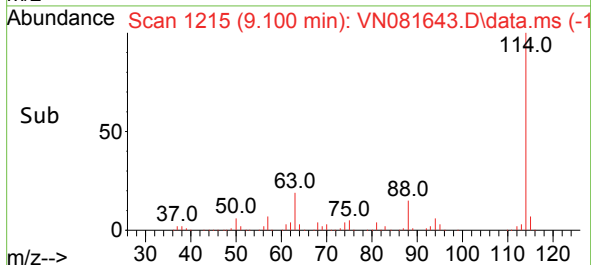
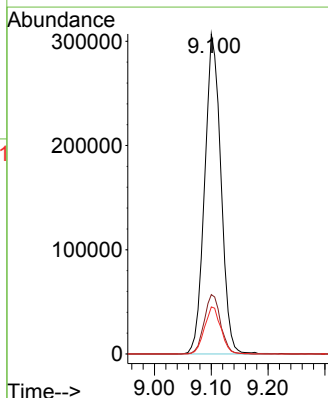
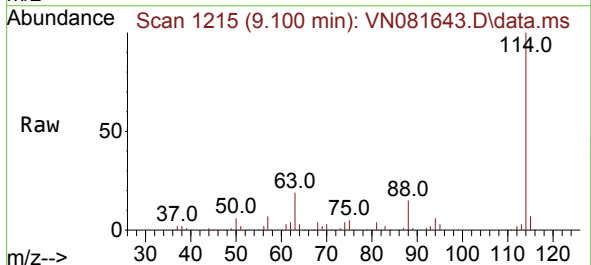
Tgt Ion: 114 Resp: 608444

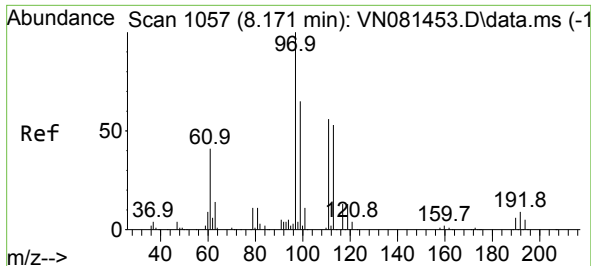
Ion Ratio Lower Upper

114 100

63 18.6 0.0 48.0

88 14.7 0.0 34.8

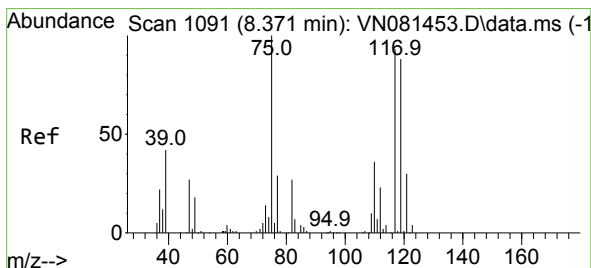
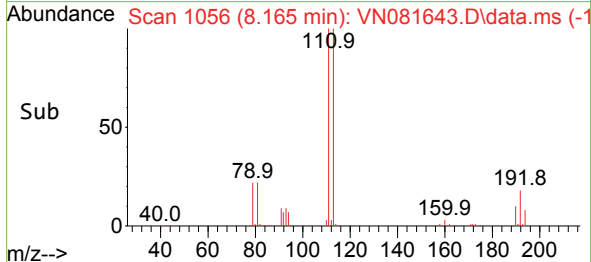
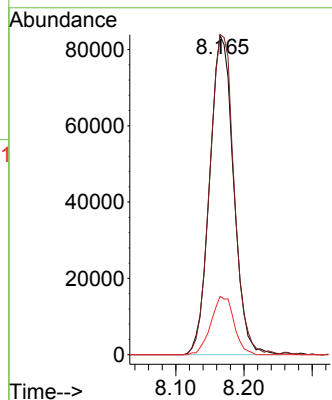
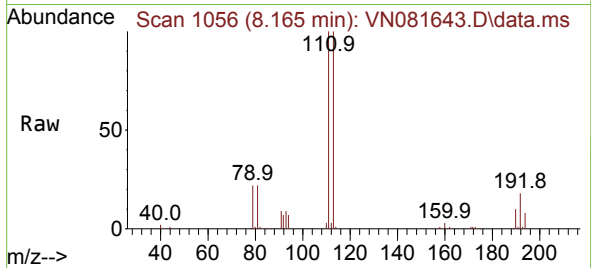




#35
Dibromofluoromethane
Concen: 53.153 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

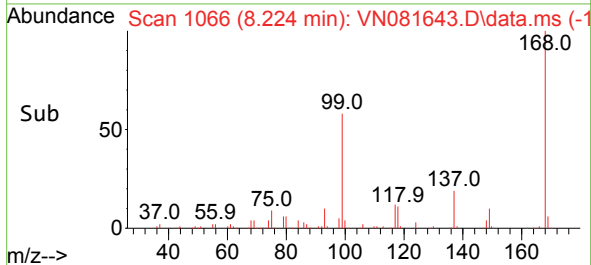
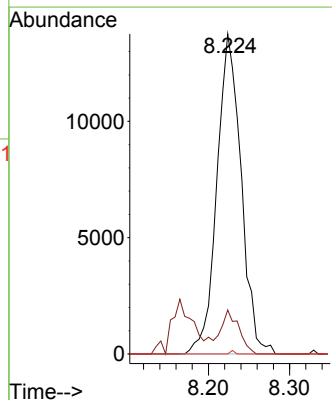
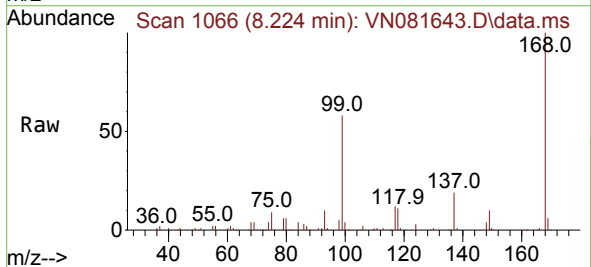
Instrument :
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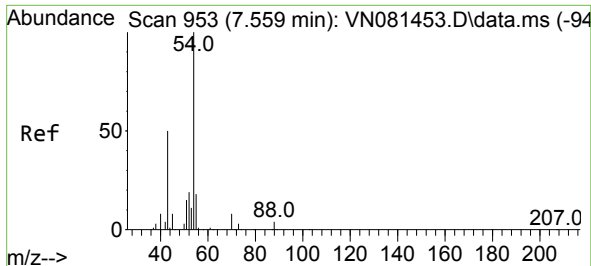
Tgt Ion:113 Resp: 204104
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 17.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 75 Resp: 28465
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.2 25.8 38.6#





#37

Ethyl Acetate

Concen: 2.078 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

Instrument :

MSVOA_N

ClientSampleId :

A5552

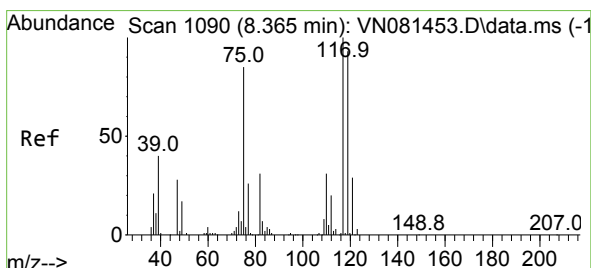
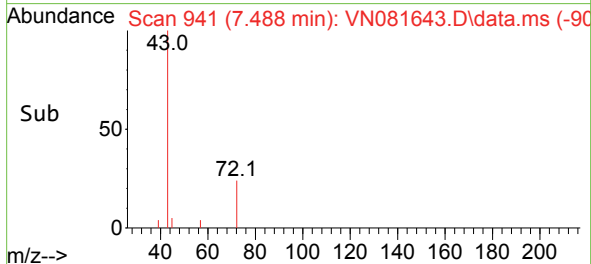
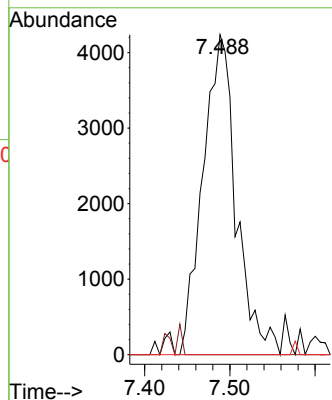
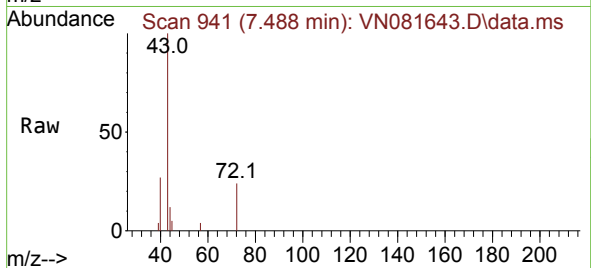
Tgt Ion: 43 Resp: 11501

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.342 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

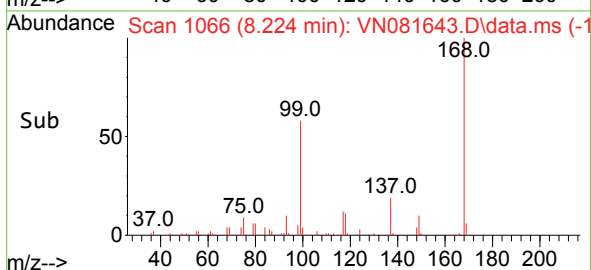
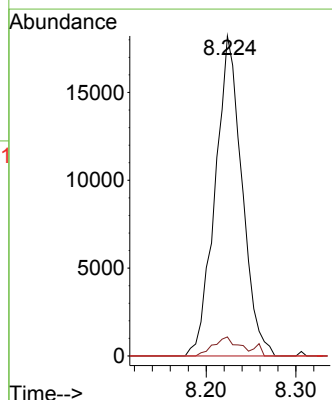
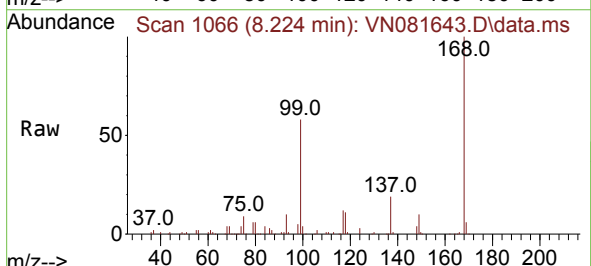
Tgt Ion: 117 Resp: 37813

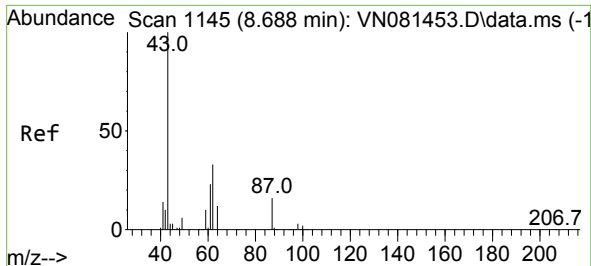
Ion Ratio Lower Upper

117 100

119 6.0 73.4 110.2#

121 0.0 24.4 36.6#

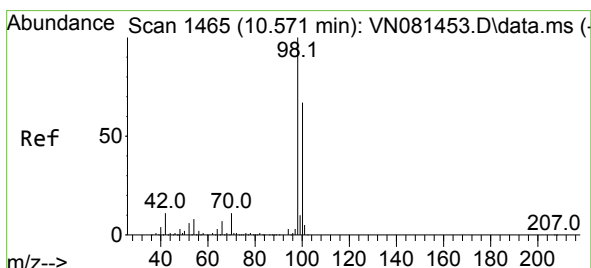
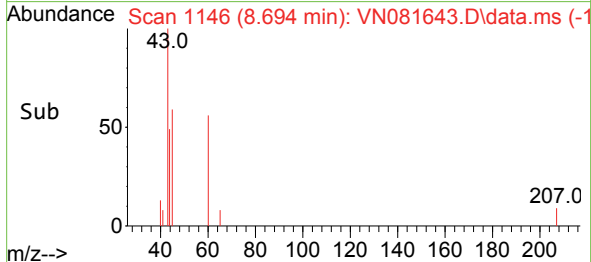
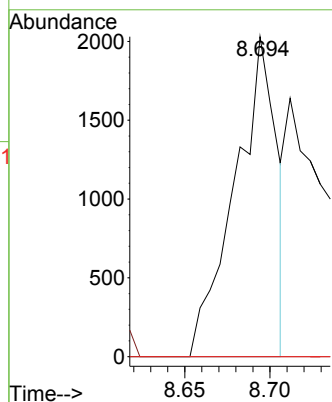
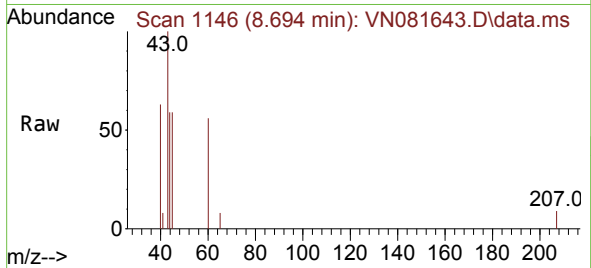




#43
Isopropyl Acetate
Concen: 0.376 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

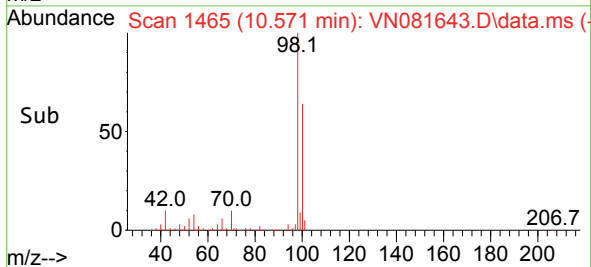
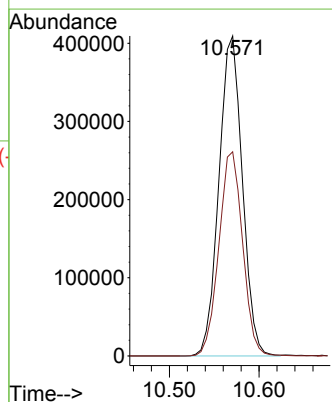
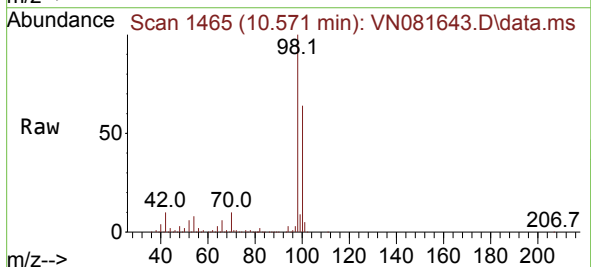
Instrument :
MSVOA_N
ClientSampleId :
A5552

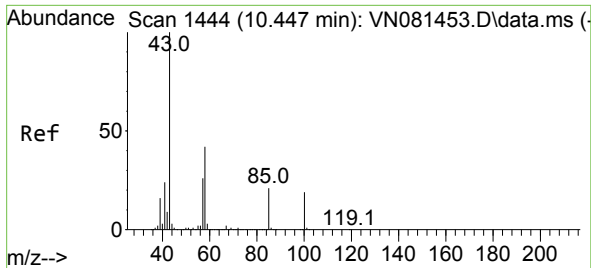
Tgt Ion: 43 Resp: 3450
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 53.486 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 98 Resp: 742422
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

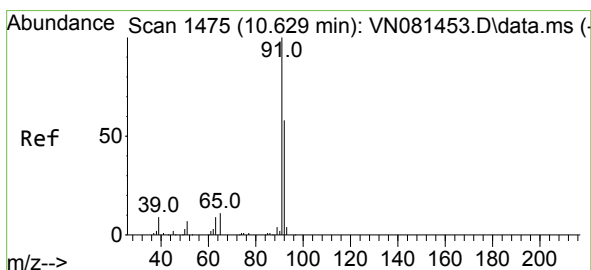
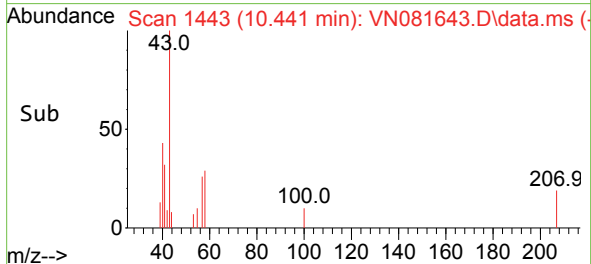
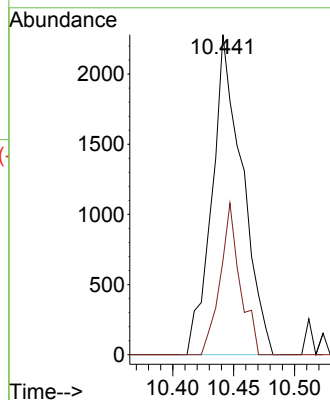
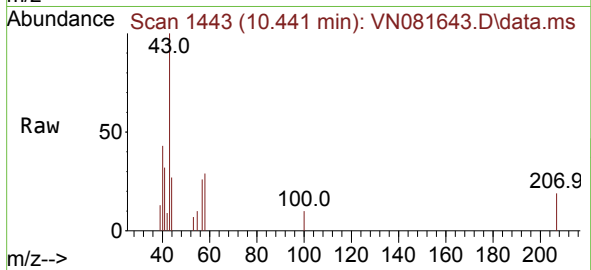




#51
4-Methyl-2-Pentanone
Concen: 0.705 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

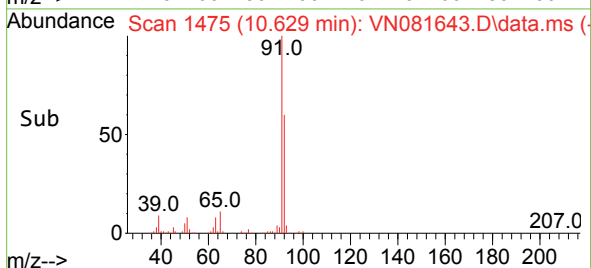
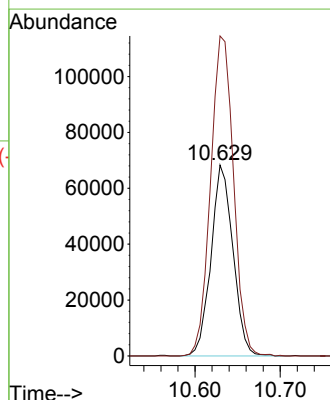
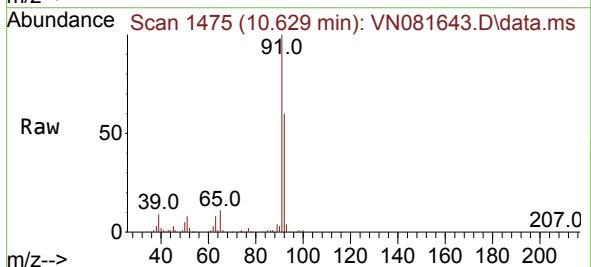
Instrument :
MSVOA_N
ClientSampleId :
A5552

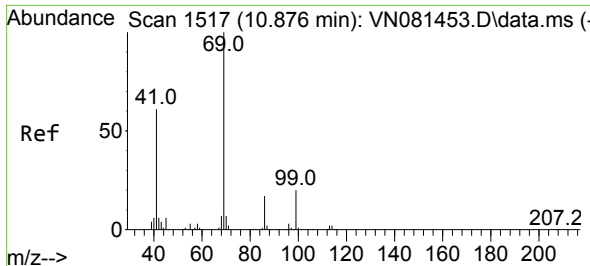
Tgt Ion: 43 Resp: 3944
Ion Ratio Lower Upper
43 100
58 31.2 29.4 44.0



#52
Toluene
Concen: 10.200 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 92 Resp: 122478
Ion Ratio Lower Upper
92 100
91 175.0 139.4 209.0

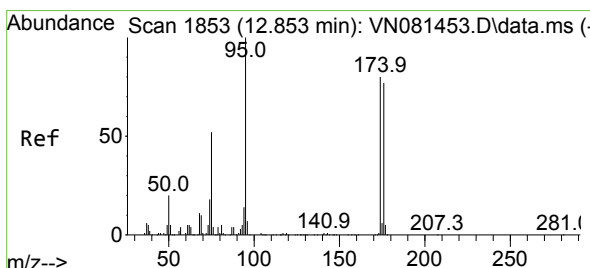
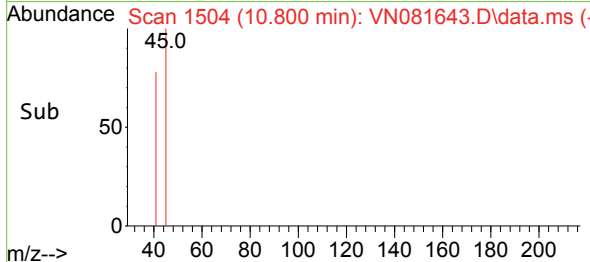
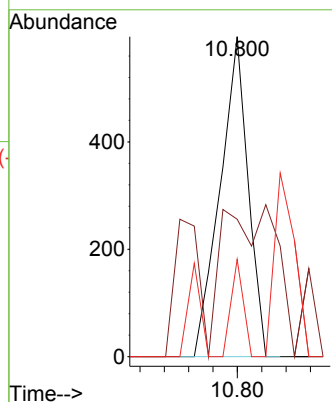
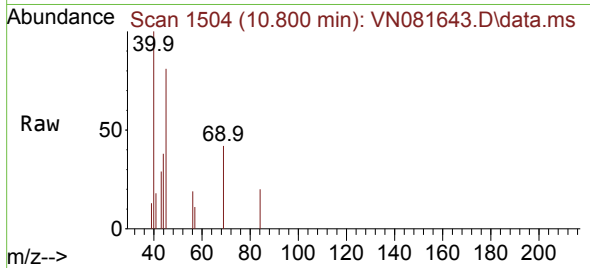




#56
Ethyl methacrylate
Concen: 0.643 ug/l
RT: 10.800 min Scan# 1517
Delta R.T. -0.076 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

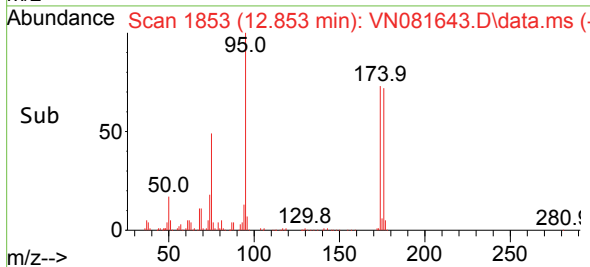
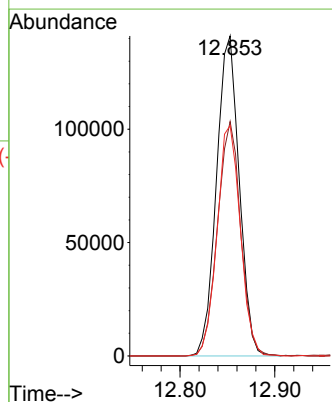
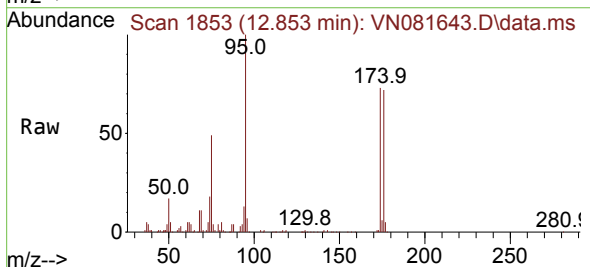
Instrument :
MSVOA_N
ClientSampleId :
A5552

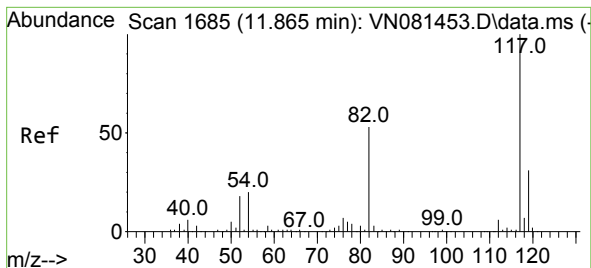
Tgt Ion: 69 Resp: 476
Ion Ratio Lower Upper
69 100
41 102.9 61.0 91.6#
39 0.0 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 95 Resp: 235523
Ion Ratio Lower Upper
95 100
174 74.6 0.0 120.4
176 73.6 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

Instrument :

MSVOA_N

ClientSampleId :

A5552

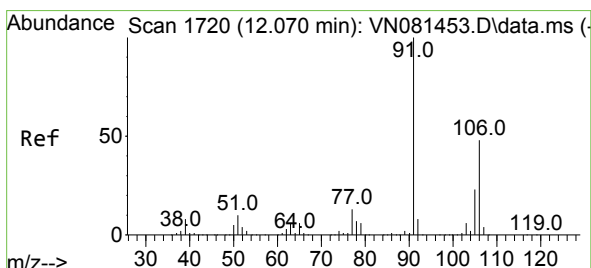
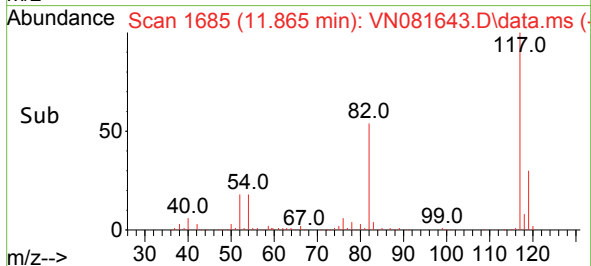
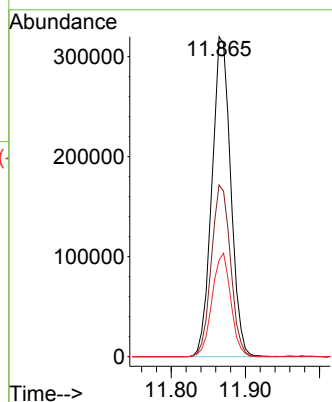
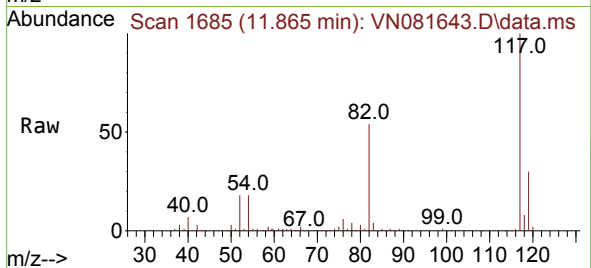
Tgt Ion:117 Resp: 563687

Ion Ratio Lower Upper

117 100

82 53.6 52.7 79.1

119 30.2 25.3 37.9



#68

m/p-Xylenes

Concen: 0.270 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN081643.D

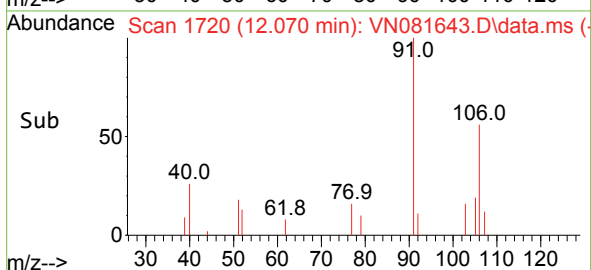
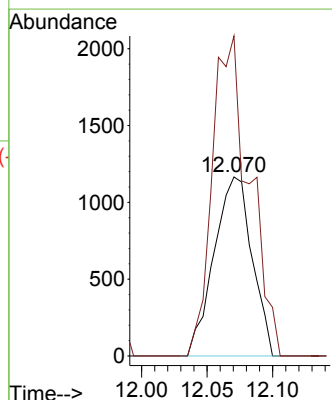
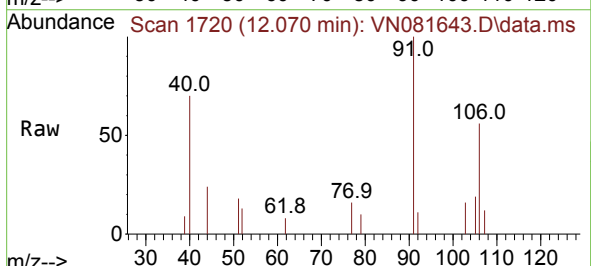
Acq: 01 Apr 2024 12:46

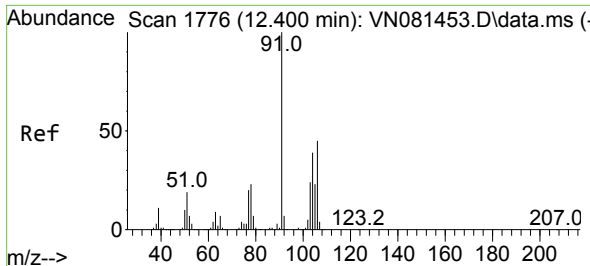
Tgt Ion:106 Resp: 2344

Ion Ratio Lower Upper

106 100

91 175.3 169.0 253.6

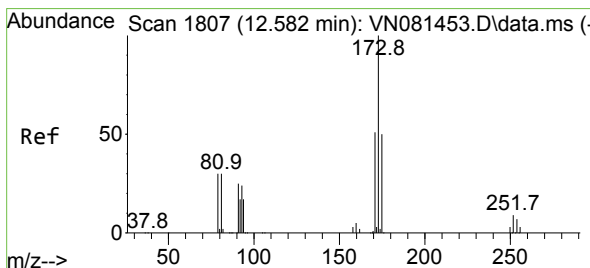
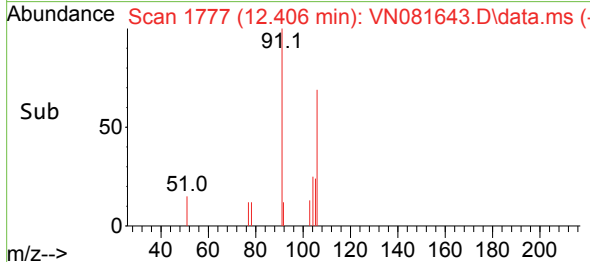
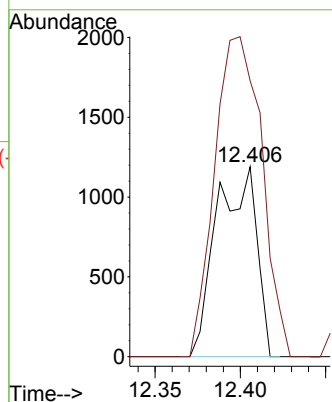
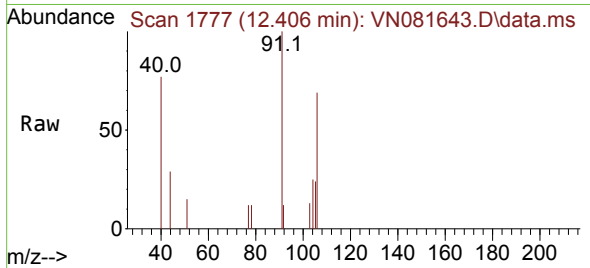




#69
o-Xylene
Concen: 0.227 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

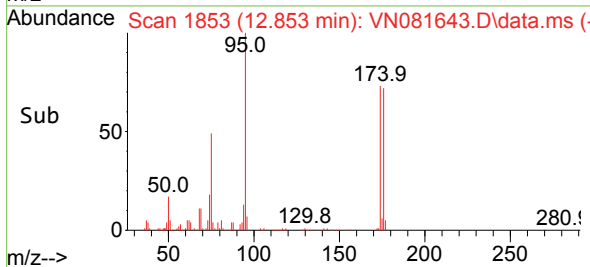
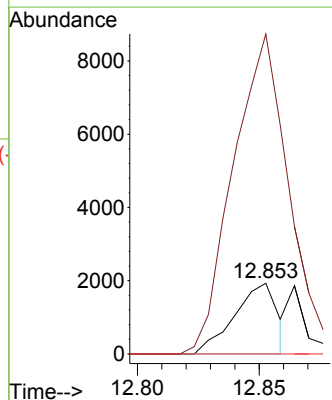
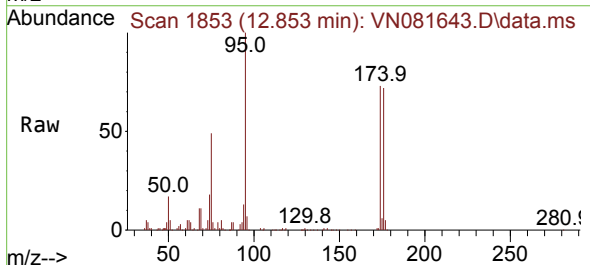
Instrument :
MSVOA_N
ClientSampleId :
A5552

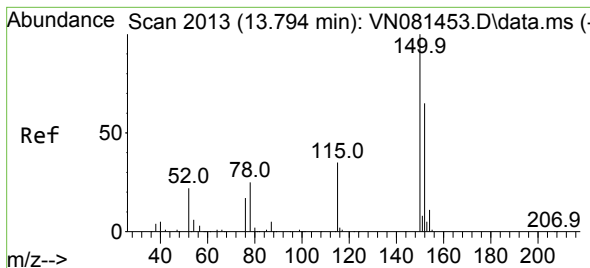
Tgt Ion:106 Resp: 1932
Ion Ratio Lower Upper
106 100
91 199.7 112.1 336.3



#71
Bromoform
Concen: 0.638 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

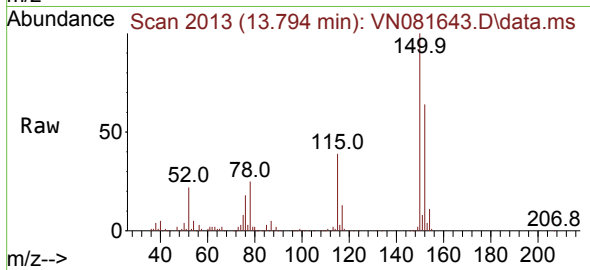
Tgt Ion:173 Resp: 2366
Ion Ratio Lower Upper
173 100
175 493.1 23.1 69.2#
254 0.0 0.0 0.0



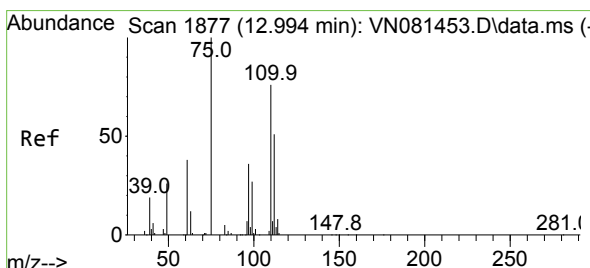
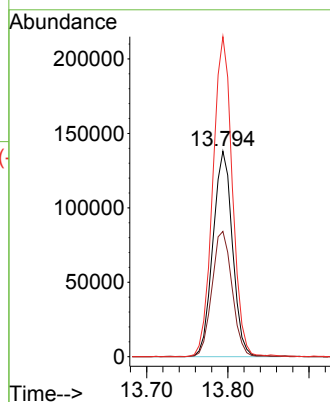
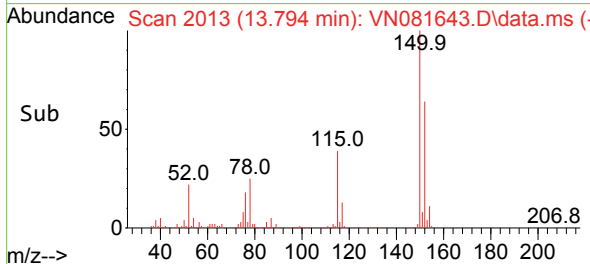


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Instrument :
MSVOA_N
ClientSampleId :
A5552

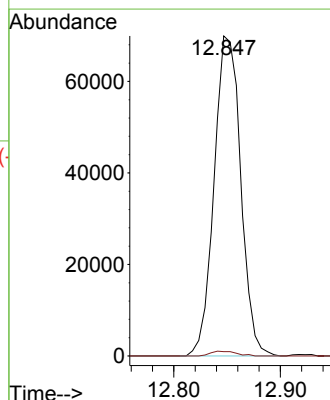
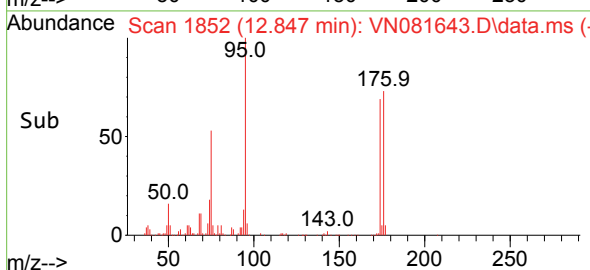
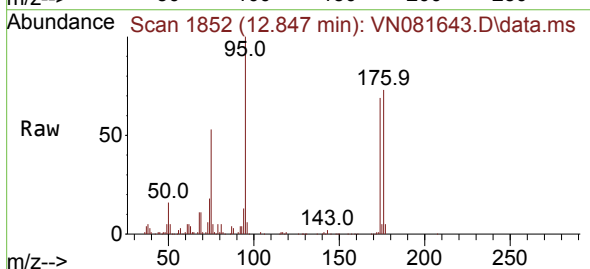


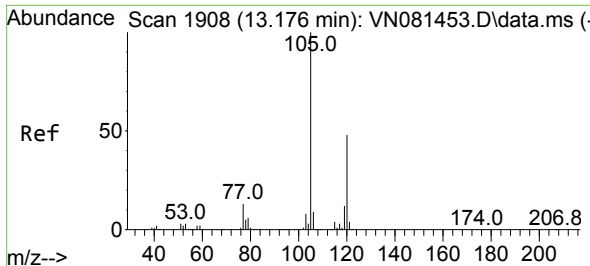
Tgt Ion:152 Resp: 230659
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 155.2 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 21.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 75 Resp: 121229
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#

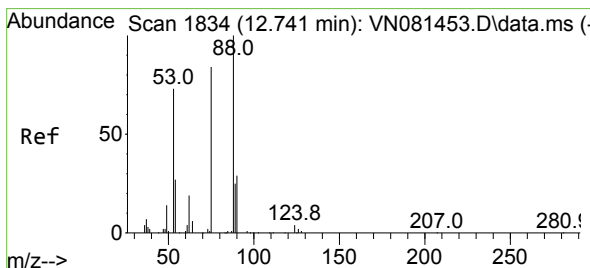
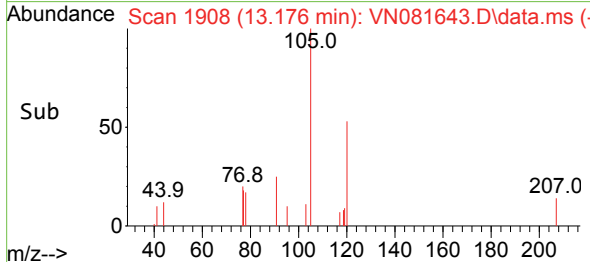
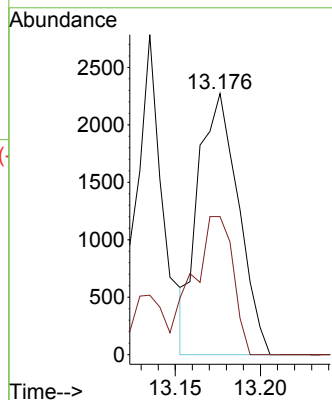
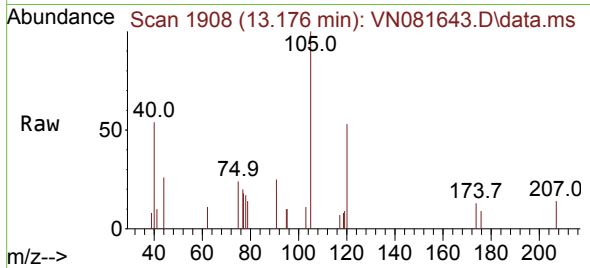




#80
1,3,5-Trimethylbenzene
Concen: 0.230 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

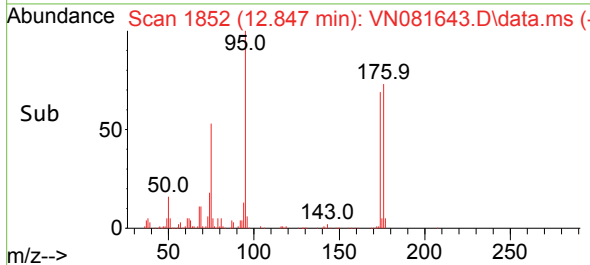
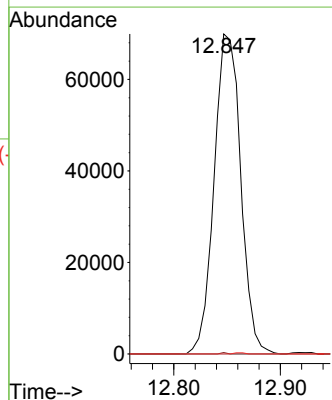
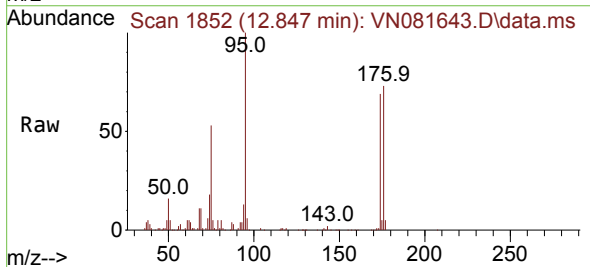
Instrument :
MSVOA_N
ClientSampleId :
A5552

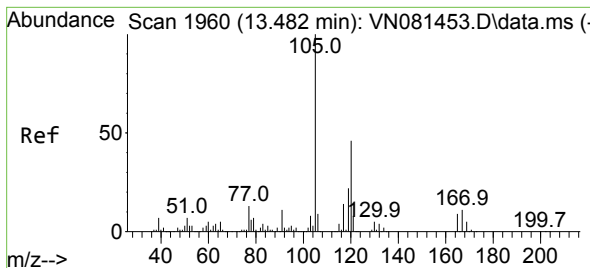
Tgt Ion:105 Resp: 3728
Ion Ratio Lower Upper
105 100
120 52.3 23.0 69.0



#81
trans-1,4-Dichloro-2-butene
Concen: 59.375 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081643.D
Acq: 01 Apr 2024 12:46

Tgt Ion: 75 Resp: 121229
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.1 33.4 50.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.428 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081643.D

Acq: 01 Apr 2024 12:46

Instrument :

MSVOA_N

ClientSampleId :

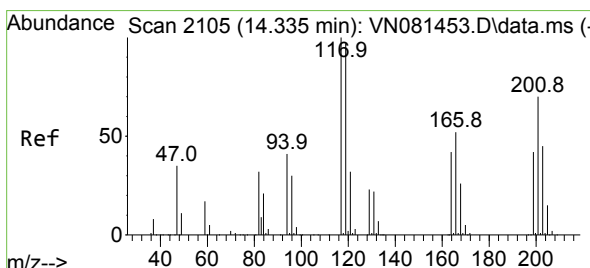
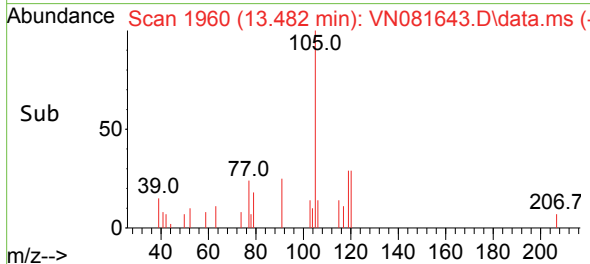
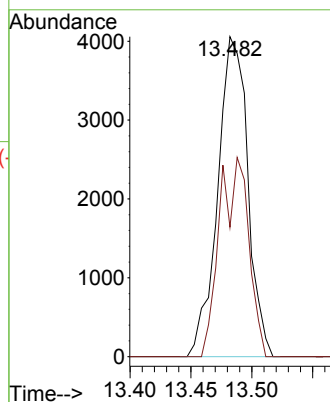
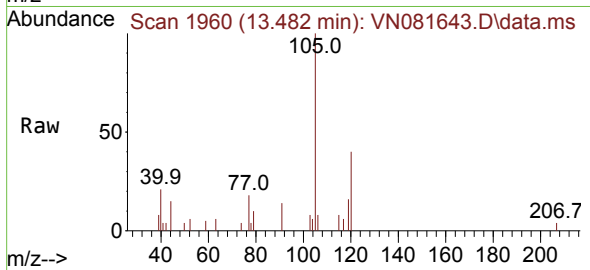
A5552

Tgt Ion:105 Resp: 6987

Ion Ratio Lower Upper

105 100

120 60.0 20.9 62.7



#90

Hexachloroethane

Concen: 0.413 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN081643.D

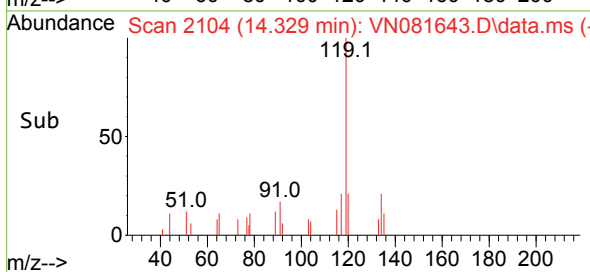
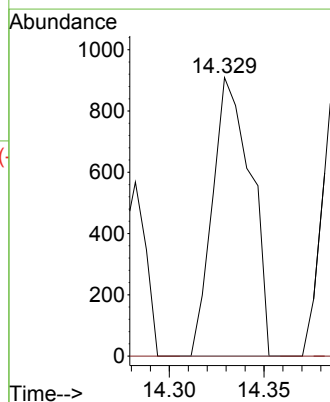
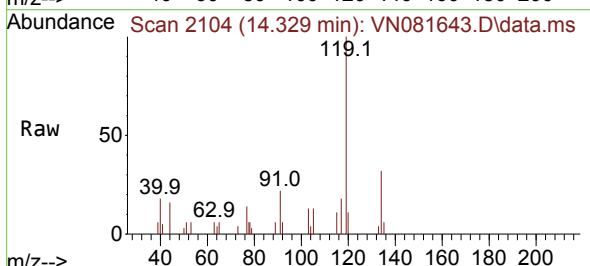
Acq: 01 Apr 2024 12:46

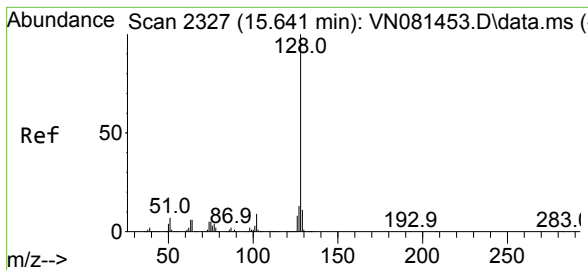
Tgt Ion:117 Resp: 1280

Ion Ratio Lower Upper

117 100

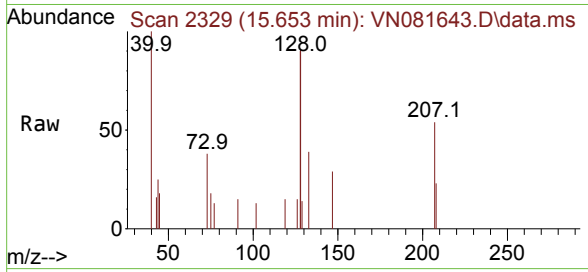
201 0.0 30.0 90.0#





#95
 Naphthalene
 Concen: 0.287 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN081643.D
 Acq: 01 Apr 2024 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 A5552



Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.0	15.0#
129	3.5	8.7	13.1#

