

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081259.D
 Acq On : 28 Feb 2024 21:41
 Operator : JC\MD
 Sample : P1587-15 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 124

Quant Time: Feb 28 23:34:00 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)

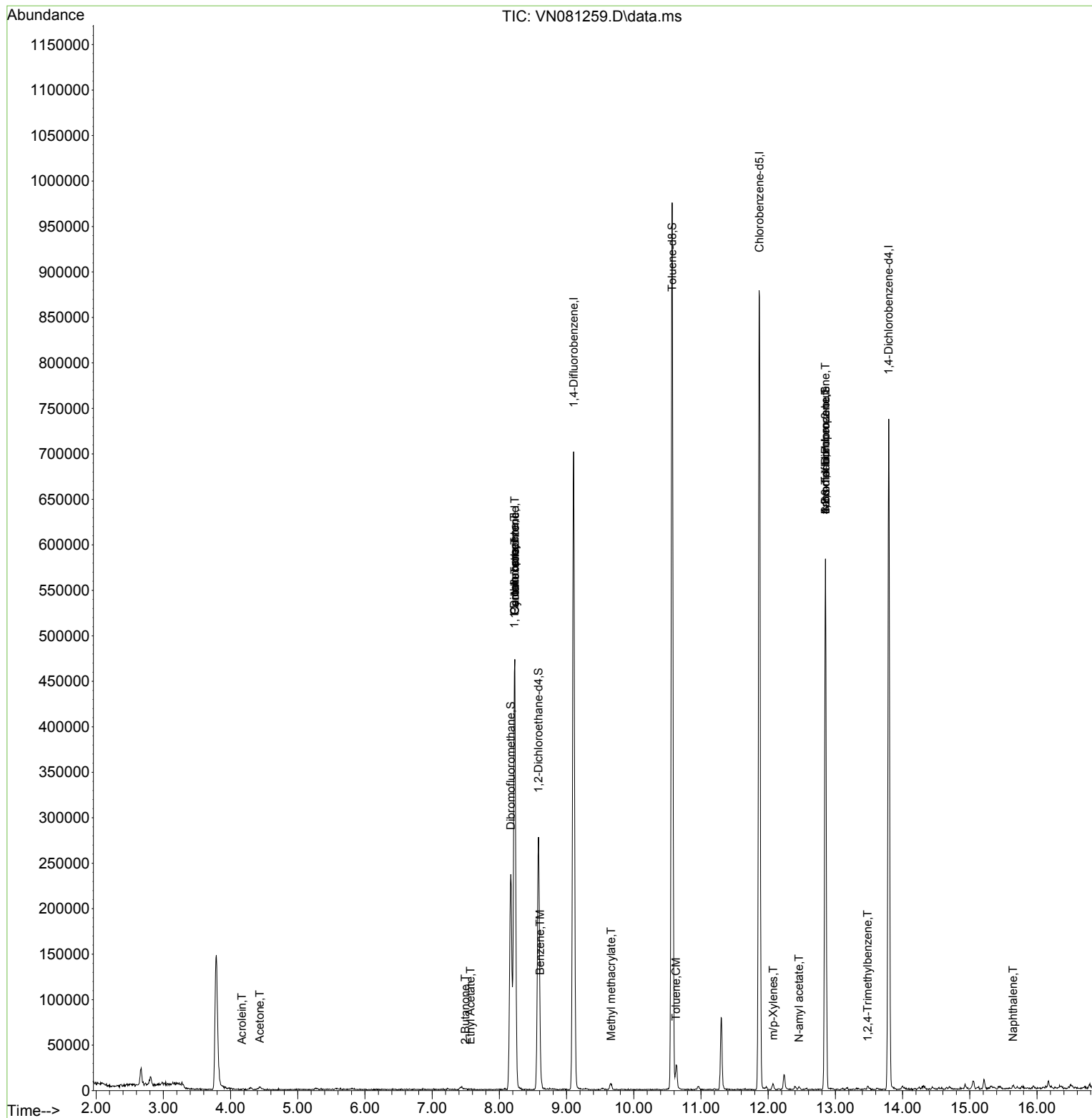
Internal Standards						
1) Pentafluorobenzene	8.230	168	321996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	513332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216424	54.836	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.680%		
35) Dibromofluoromethane	8.171	113	173611	51.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 103.760%		
50) Toluene-d8	10.571	98	646728	54.414	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 108.820%		
62) 4-Bromofluorobenzene	12.853	95	196905	44.091	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 88.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	734	Below Cal	#	43
6) Chloroethane	3.136	64	146	Below Cal	#	42
13) Acrolein	4.171	56	167	0.429	ug/l #	39
16) Acetone	4.436	43	6006	3.867	ug/l	92
20) Methylene Chloride	5.283	84	653	Below Cal	#	6
25) 2-Butanone	7.494	43	1772	0.706	ug/l #	51
31) Cyclohexane	8.230	56	7976	1.170	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	28931	5.046	ug/l #	49
37) Ethyl Acetate	7.571	43	1097	0.212	ug/l #	70
38) Carbon Tetrachloride	8.230	117	35950	6.198	ug/l #	18
40) Benzene	8.606	78	8898	0.536	ug/l	95
48) Methyl methacrylate	9.665	41	2438	0.579	ug/l #	41
52) Toluene	10.629	92	11522	1.097	ug/l	94
68) m/p-Xylenes	12.076	106	2465	0.323	ug/l #	71
71) Bromoform	12.853	173	1325	0.523	ug/l #	1
74) N-amyl acetate	12.459	43	2200	0.315	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	109046	25.388	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109046	65.346	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	3214	0.241	ug/l	100
95) Naphthalene	15.647	128	3837	0.279	ug/l #	90

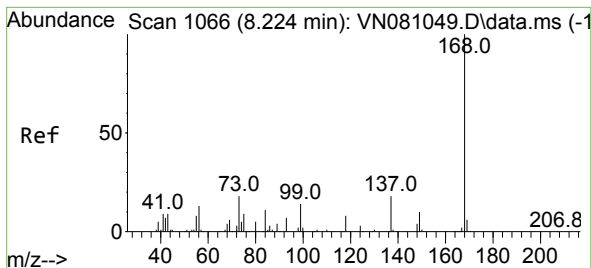
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN081259.D

Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

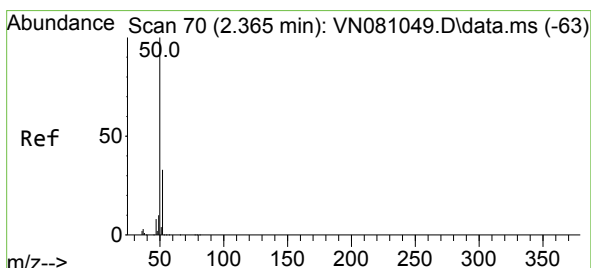
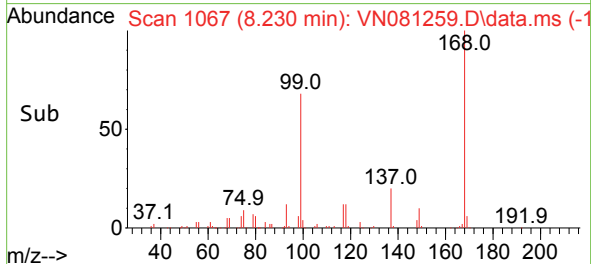
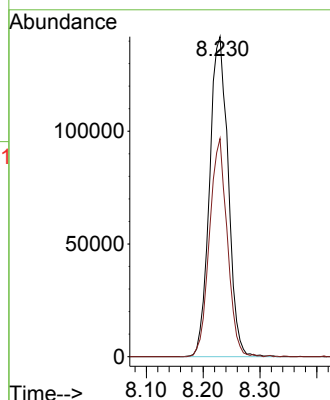
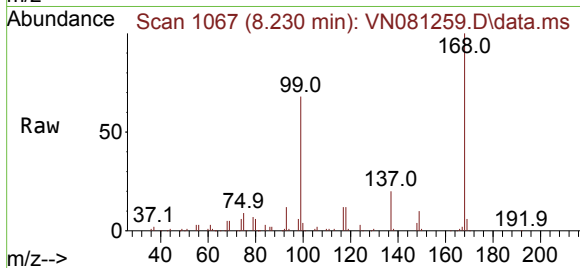
124

Tgt Ion:168 Resp: 321996

Ion Ratio Lower Upper

168 100

99 68.2 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081259.D

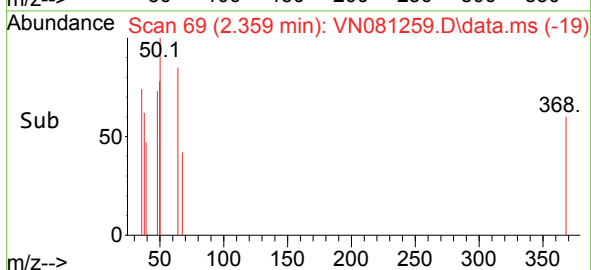
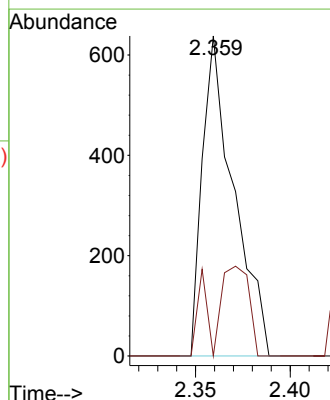
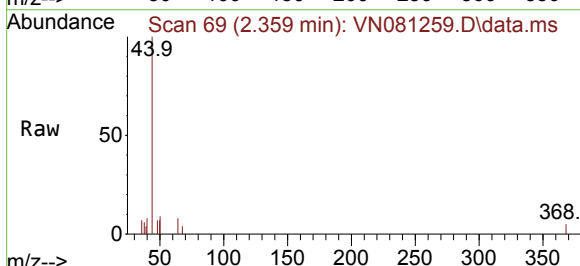
Acq: 28 Feb 2024 21:41

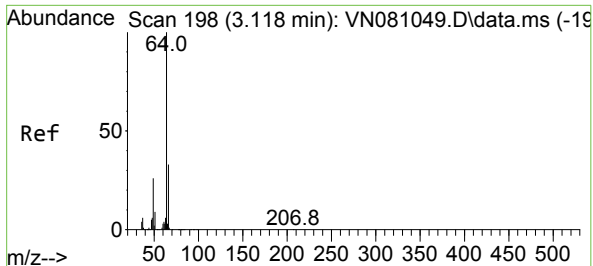
Tgt Ion: 50 Resp: 734

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

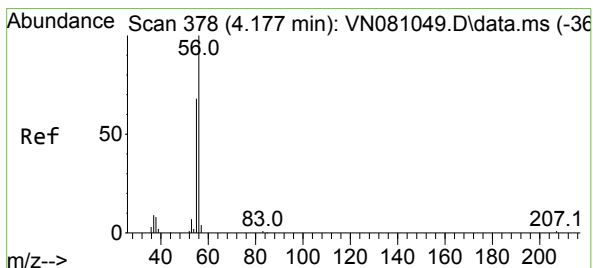
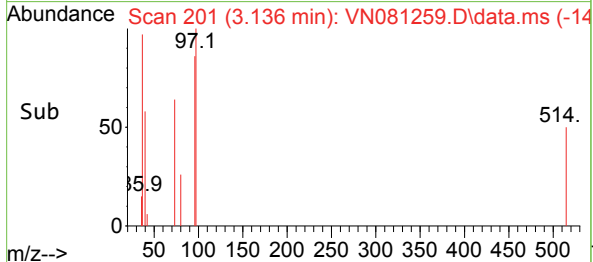
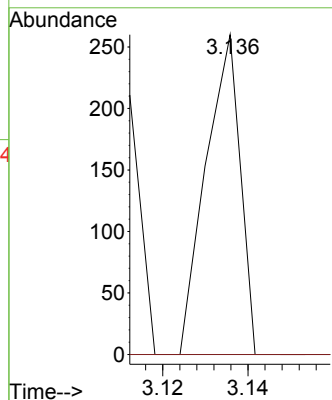
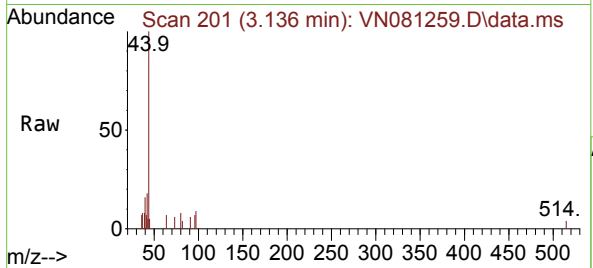




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

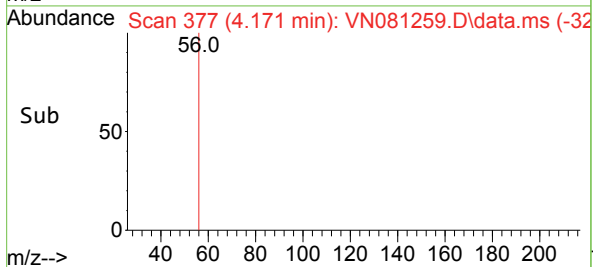
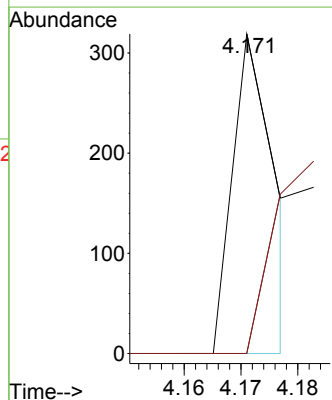
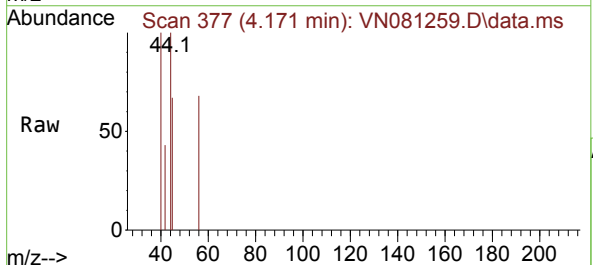
Instrument :
MSVOA_N
ClientSampleId :
124

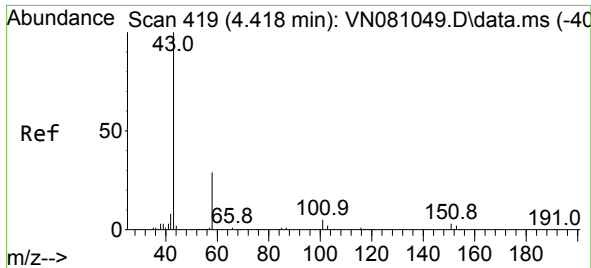
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.429 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 119.2 55.3 82.9#





#16

Acetone

Concen: 3.867 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

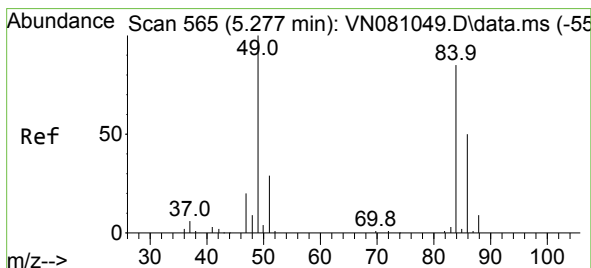
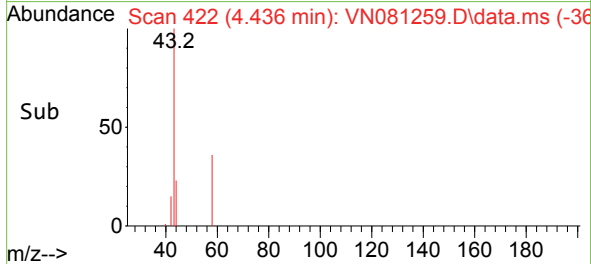
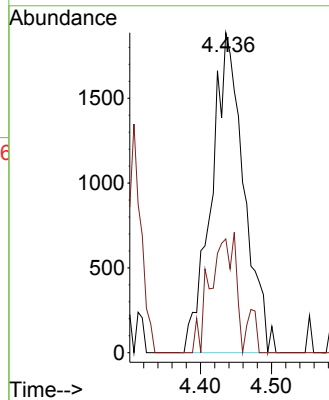
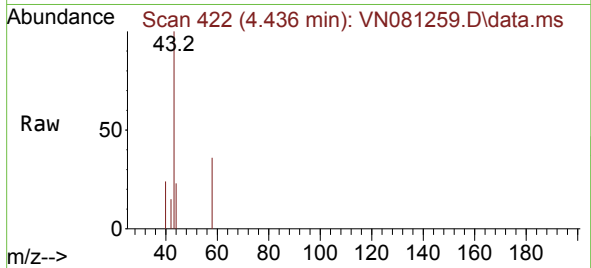
124

Tgt Ion: 43 Resp: 6006

Ion Ratio Lower Upper

43 100

58 35.6 24.8 37.2



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Tgt Ion: 84 Resp: 653

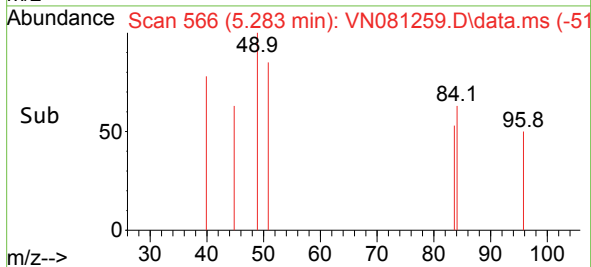
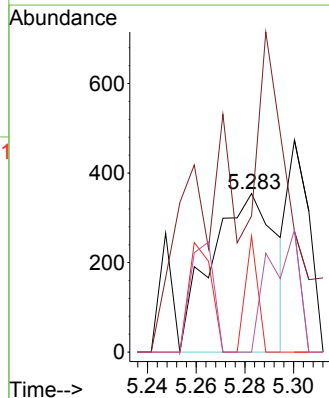
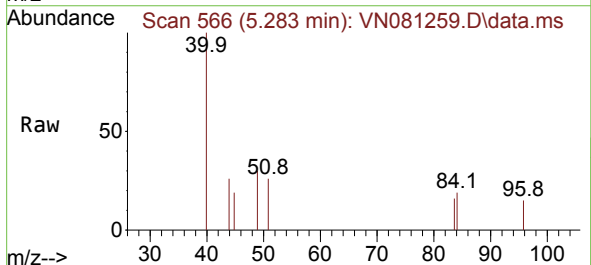
Ion Ratio Lower Upper

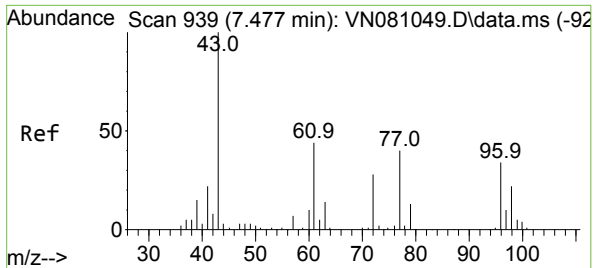
84 100

49 0.0 108.1 162.1#

51 73.2 32.9 49.3#

86 0.0 48.6 73.0#

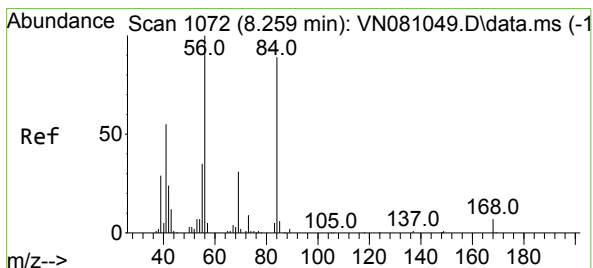
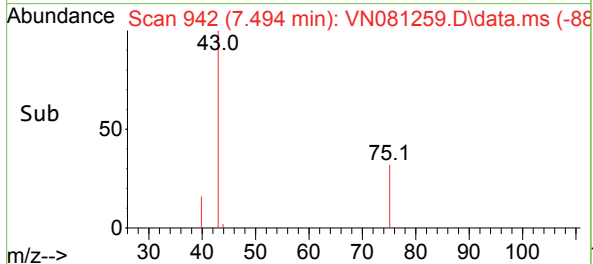
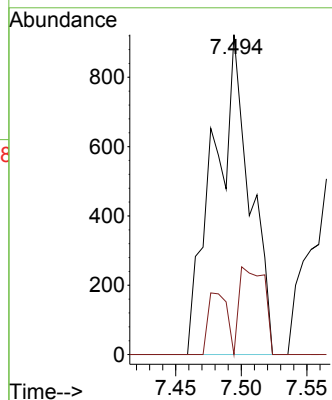
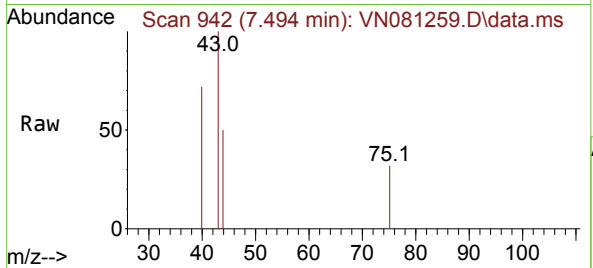




#25
2-Butanone
Concen: 0.706 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

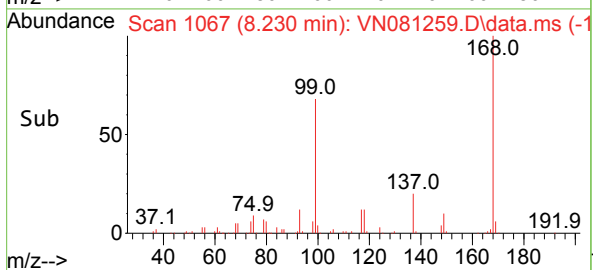
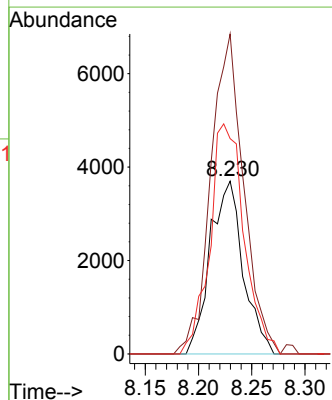
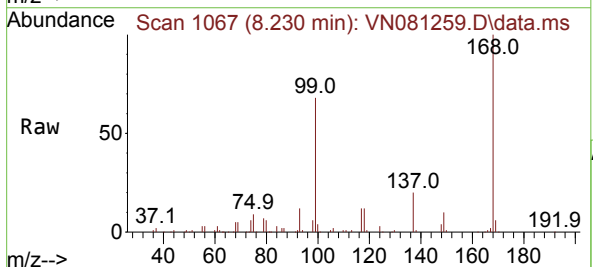
Instrument :
MSVOA_N
ClientSampleId :
124

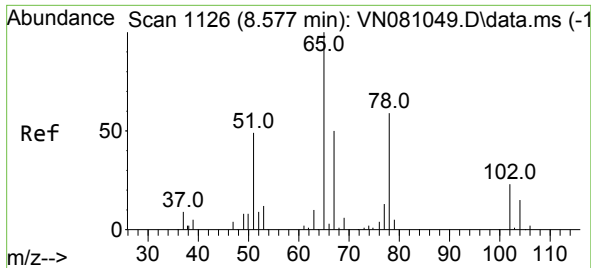
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 56 Resp: 7976
Ion Ratio Lower Upper
56 100
69 185.2 20.1 30.1#
84 124.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 54.836 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

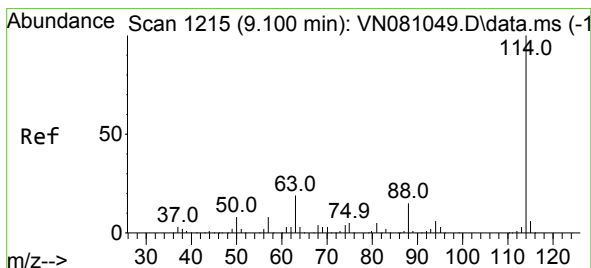
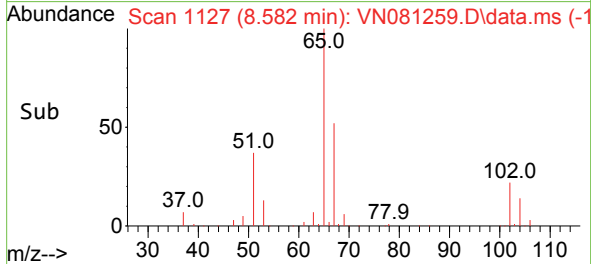
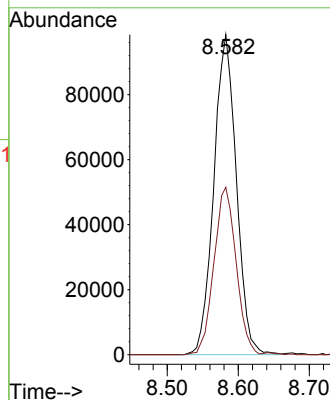
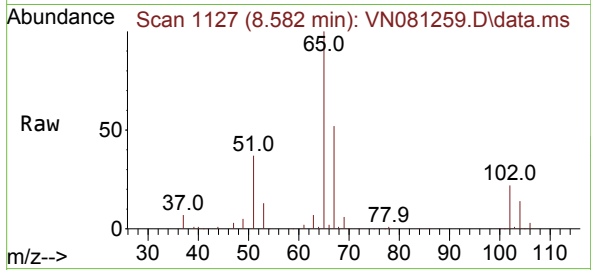
124

Tgt Ion: 65 Resp: 216424

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

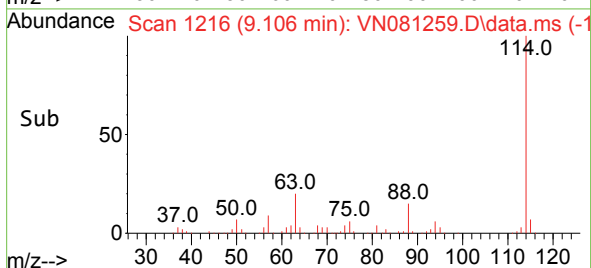
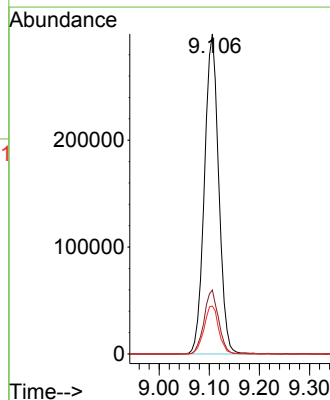
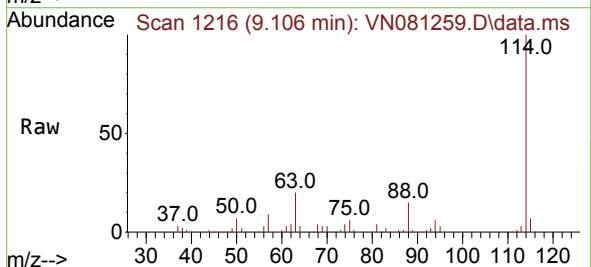
Tgt Ion: 114 Resp: 591778

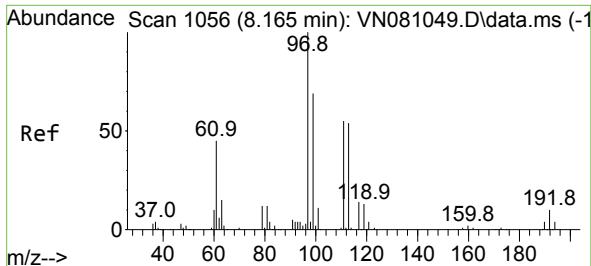
Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.881 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN081259.D

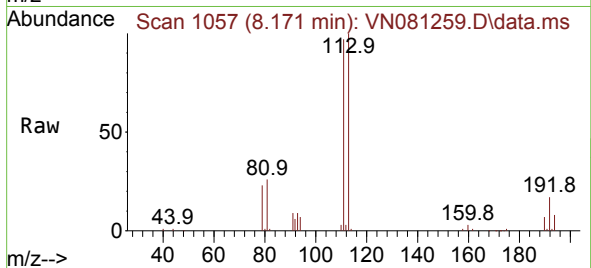
Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

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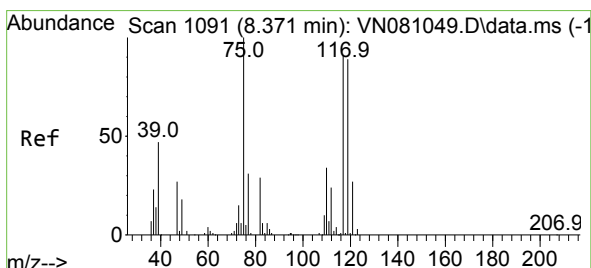
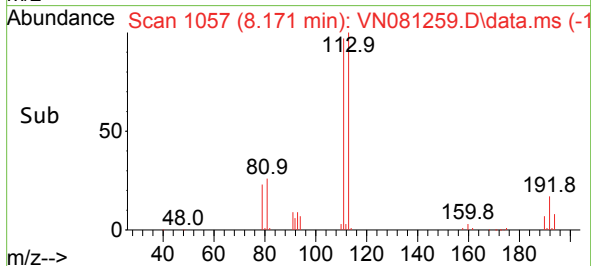
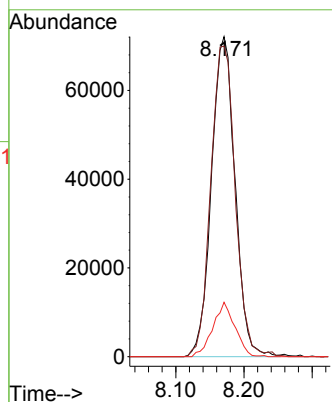
Tgt Ion:113 Resp: 173611

Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 16.0 12.5 18.7



#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

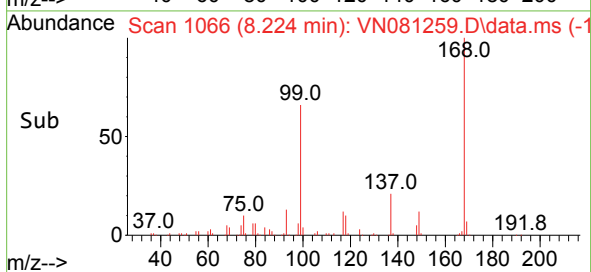
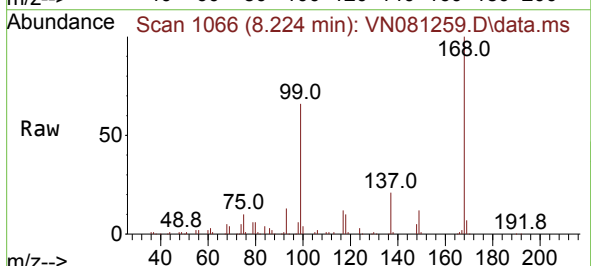
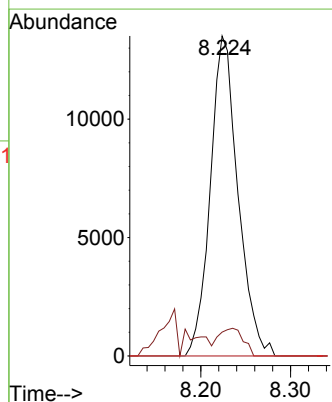
Tgt Ion: 75 Resp: 28931

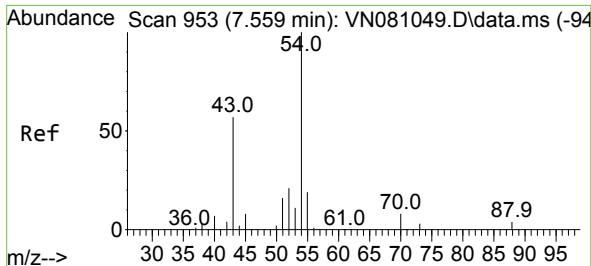
Ion Ratio Lower Upper

75 100

110 7.7 16.0 48.0#

77 0.0 25.8 38.6#

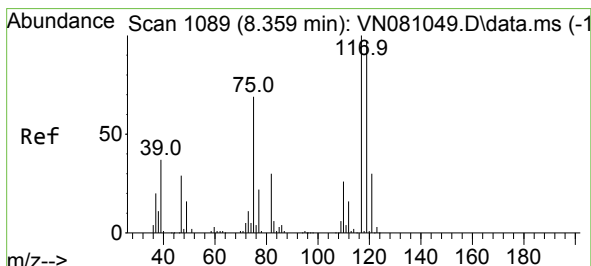
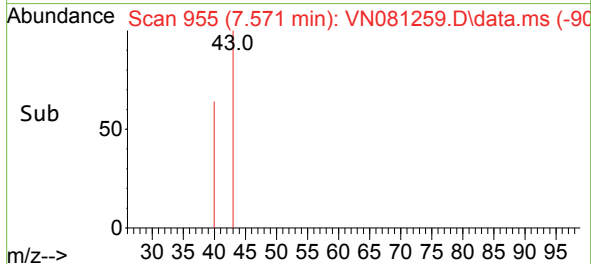
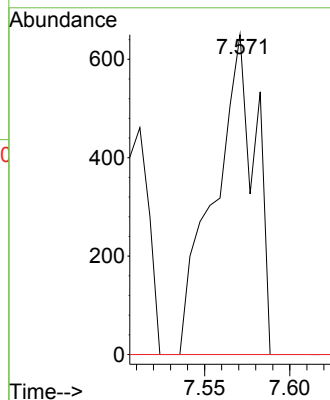
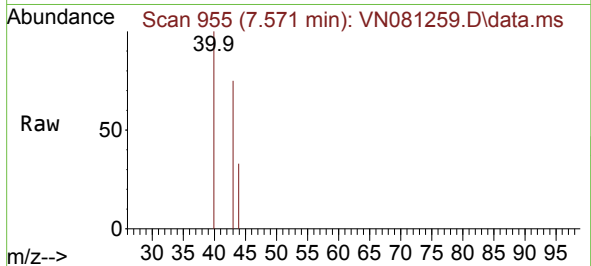




#37
Ethyl Acetate
Concen: 0.212 ug/l
RT: 7.571 min Scan# 9124
Delta R.T. 0.012 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

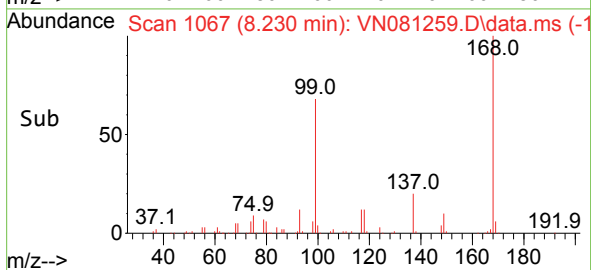
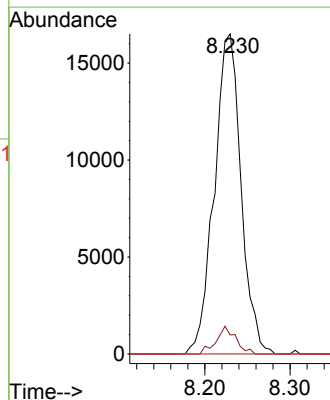
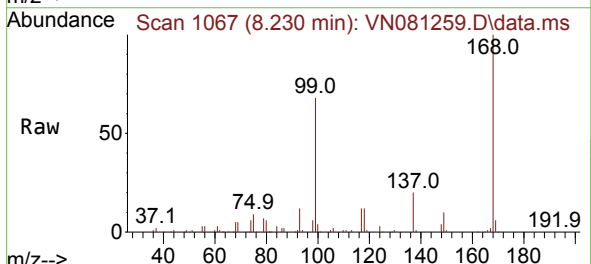
Instrument :
MSVOA_N
ClientSampleId :
124

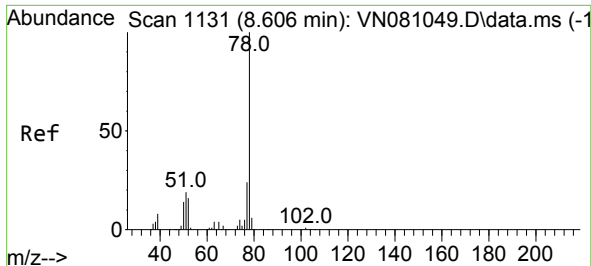
Tgt Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 117 Resp: 35950
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.2#
121 0.0 24.4 36.6#

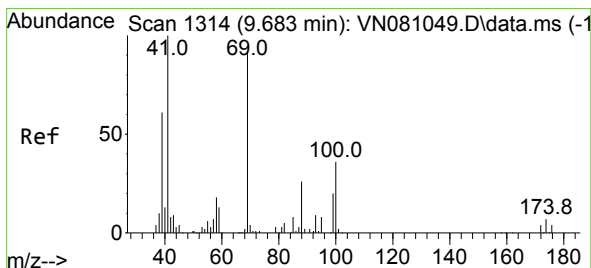
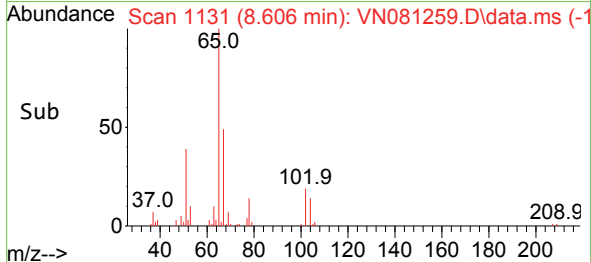
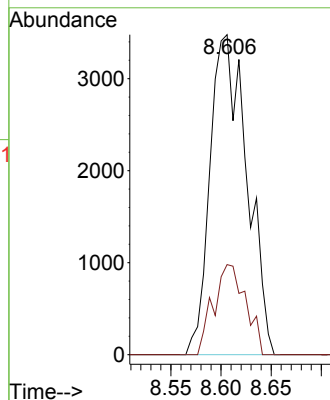
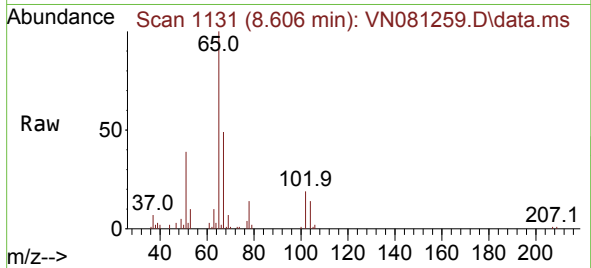




#40
Benzene
Concen: 0.536 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

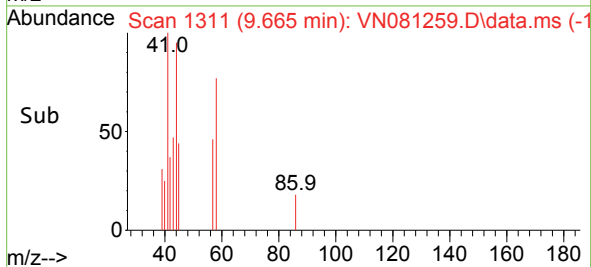
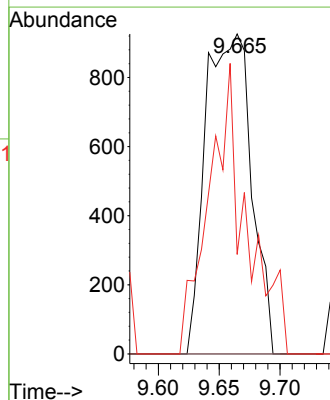
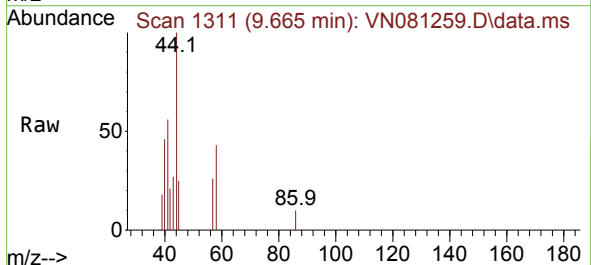
Instrument :
MSVOA_N
ClientSampleId :
124

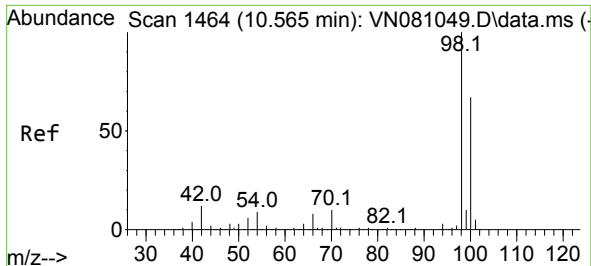
Tgt Ion: 78 Resp: 8898
Ion Ratio Lower Upper
78 100
77 28.1 20.4 30.6



#48
Methyl methacrylate
Concen: 0.579 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 41 Resp: 2438
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 74.0 47.6 71.4#

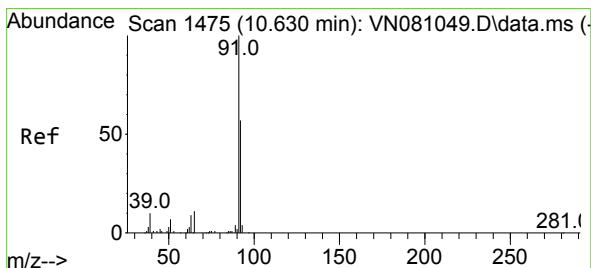
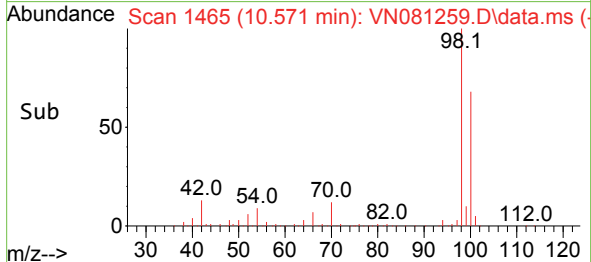
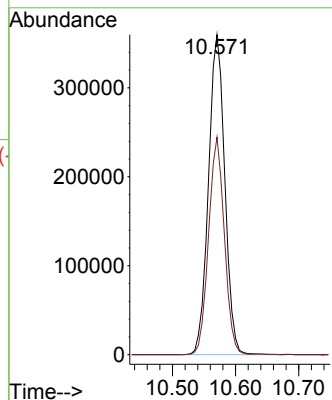
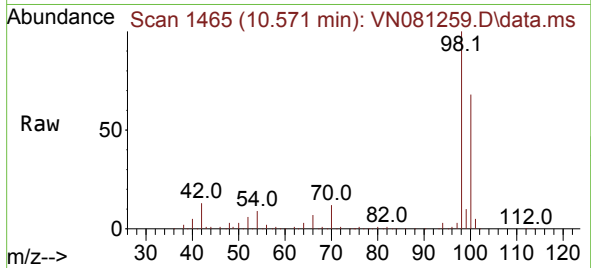




#50
Toluene-d8
Concen: 54.414 ug/l
RT: 10.571 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

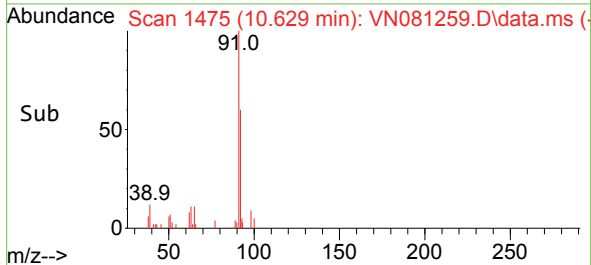
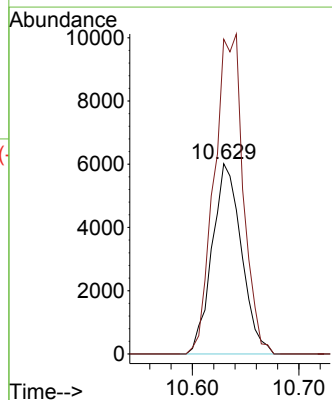
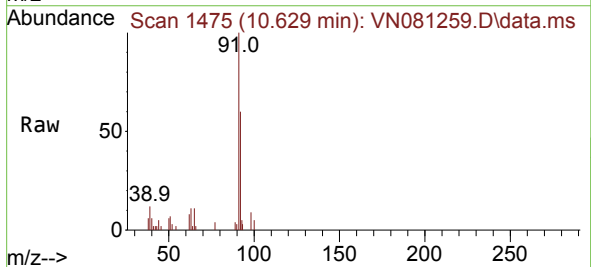
Instrument :
MSVOA_N
ClientSampleId :
124

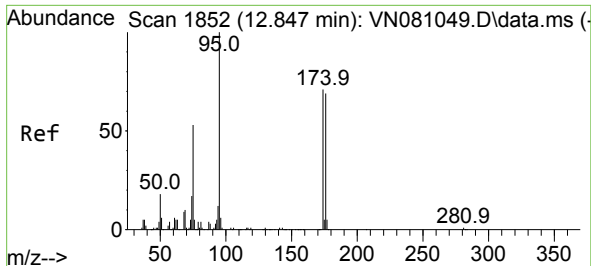
Tgt Ion: 98 Resp: 646728
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0



#52
Toluene
Concen: 1.097 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 92 Resp: 11522
Ion Ratio Lower Upper
92 100
91 166.4 139.4 209.0

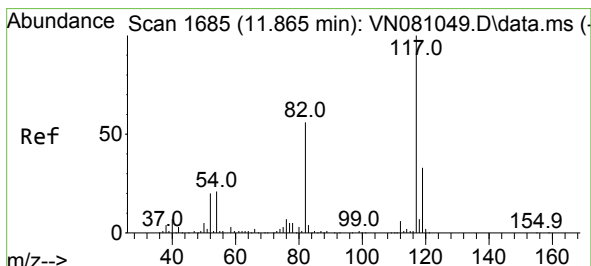
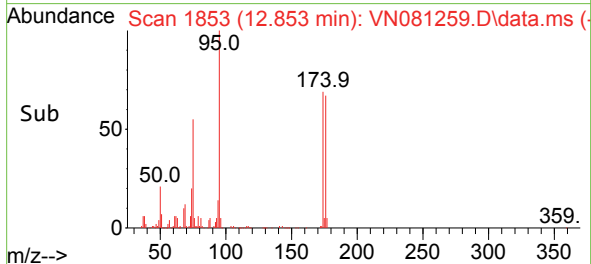
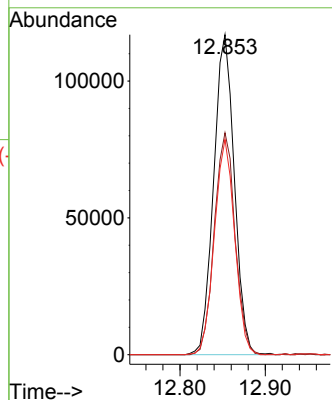
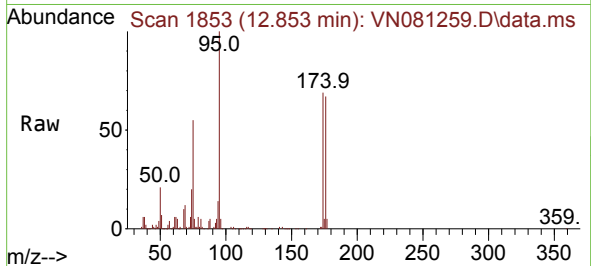




#62
4-Bromofluorobenzene
Concen: 44.091 ug/l
RT: 12.853 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

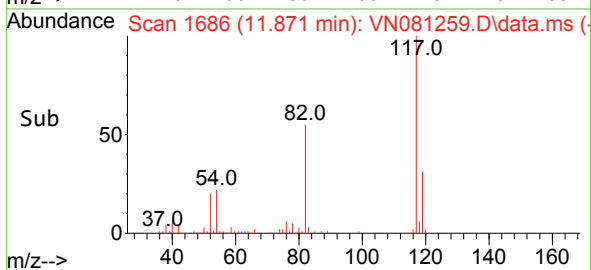
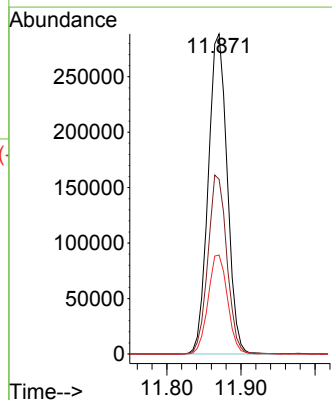
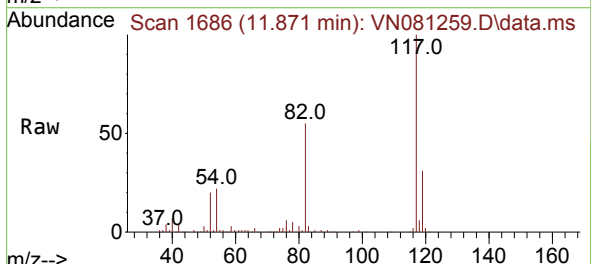
Instrument :
MSVOA_N
ClientSampleId :
124

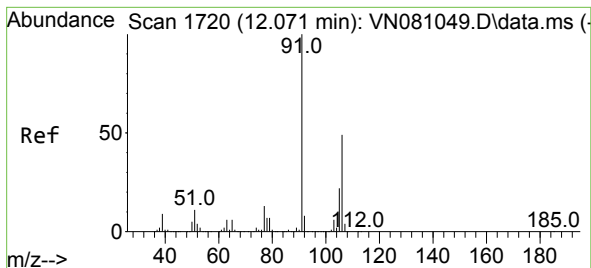
Tgt Ion: 95 Resp: 196905
Ion Ratio Lower Upper
95 100
174 69.7 0.0 120.4
176 66.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 117 Resp: 513332
Ion Ratio Lower Upper
117 100
82 54.6 52.7 79.1
119 30.9 25.3 37.9





#68

m/p-Xylenes

Concen: 0.323 ug/l

RT: 12.076 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

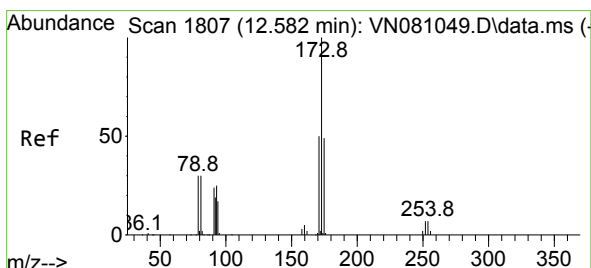
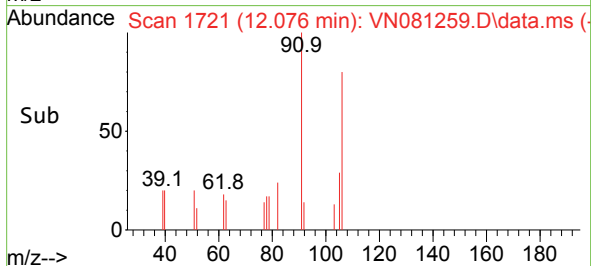
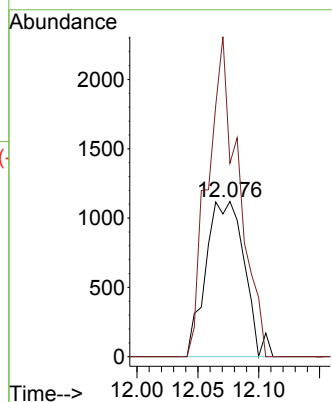
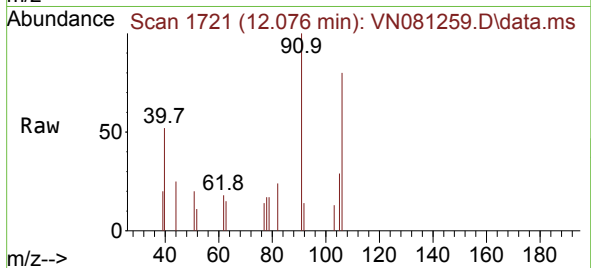
124

Tgt Ion:106 Resp: 2465

Ion Ratio Lower Upper

106 100

91 165.4 169.0 253.6#



#71

Bromoform

Concen: 0.523 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

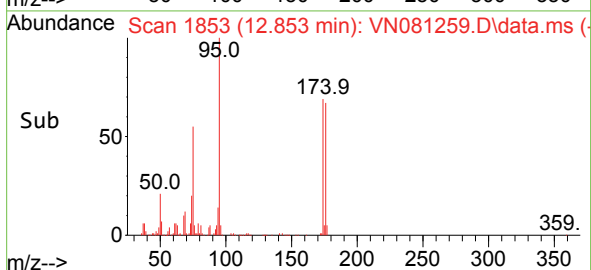
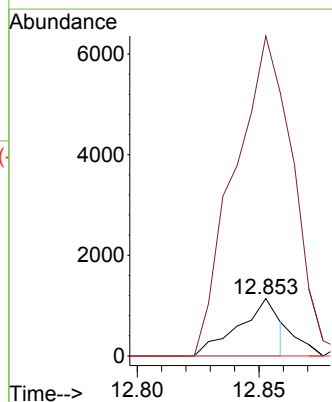
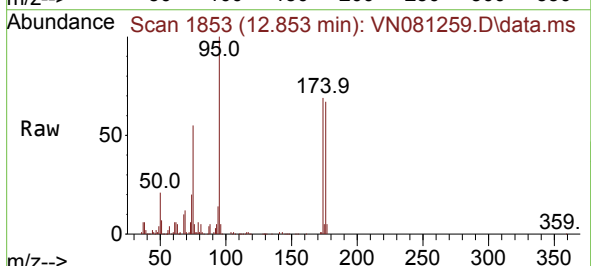
Tgt Ion:173 Resp: 1325

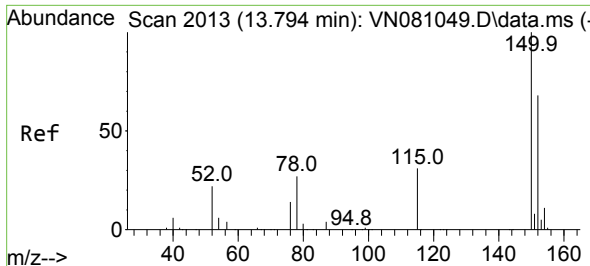
Ion Ratio Lower Upper

173 100

175 650.9 23.1 69.2#

254 0.0 0.0 0.0

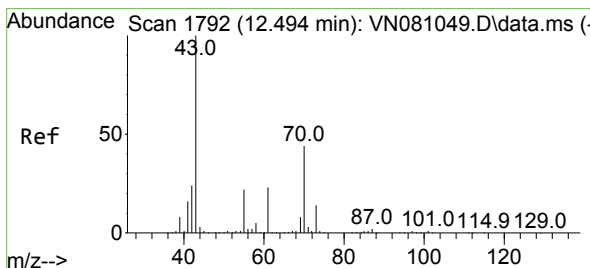
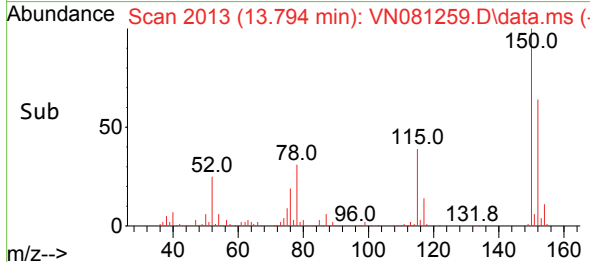
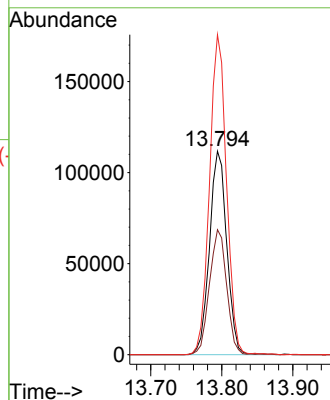
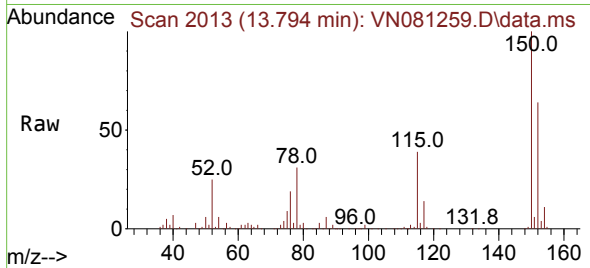




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

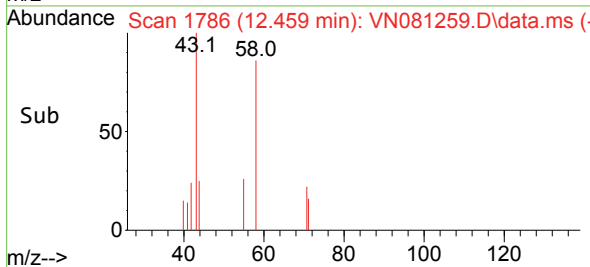
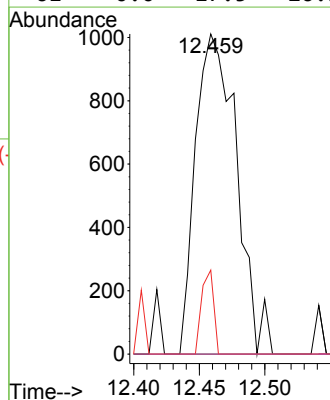
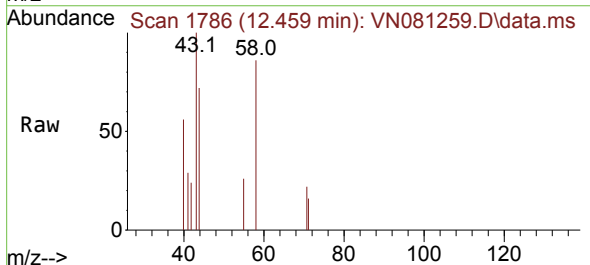
Instrument :
MSVOA_N
ClientSampleId :
124

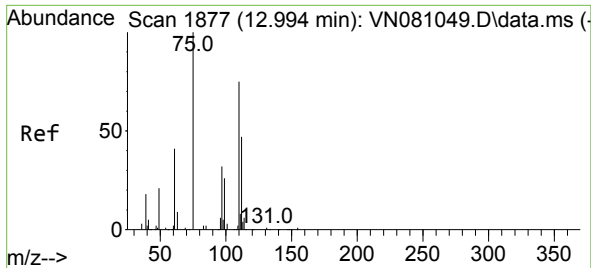
Tgt Ion:152 Resp: 189045
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 154.3 0.0 339.8



#74
N-ethyl acetate
Concen: 0.315 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 7.7 17.0 25.4#
61 0.0 17.5 26.3#

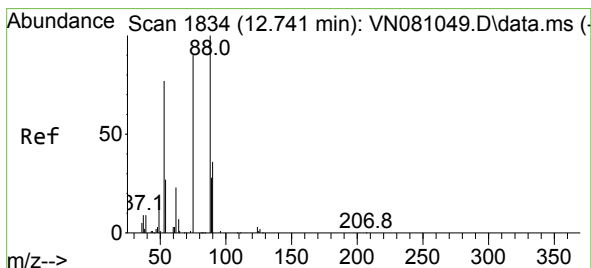
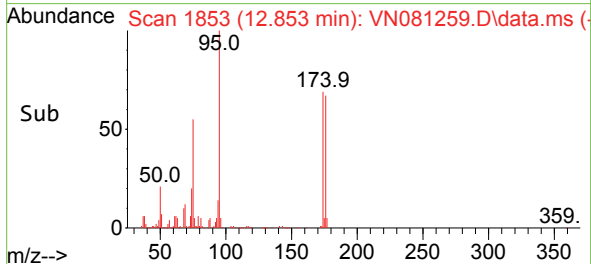
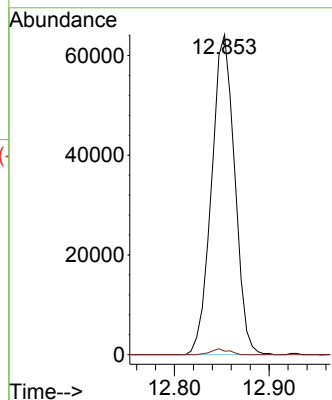
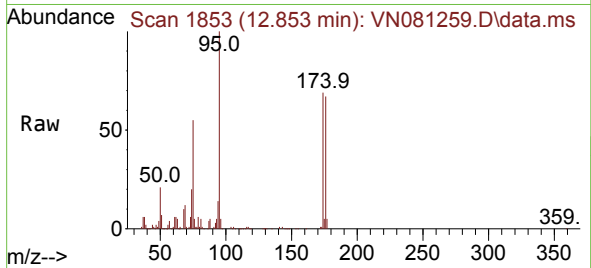




#76
1,2,3-Trichloropropane
Concen: 25.388 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

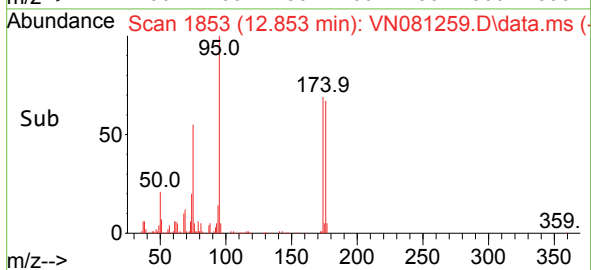
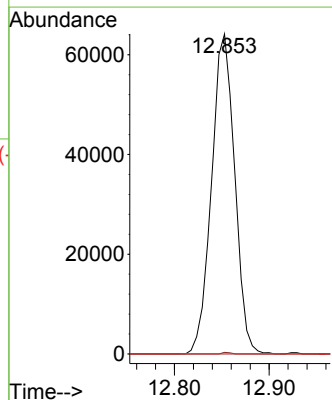
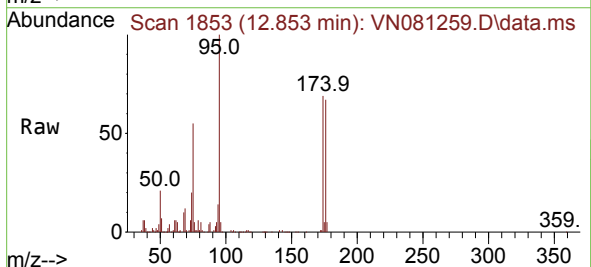
Instrument :
MSVOA_N
ClientSampleId :
124

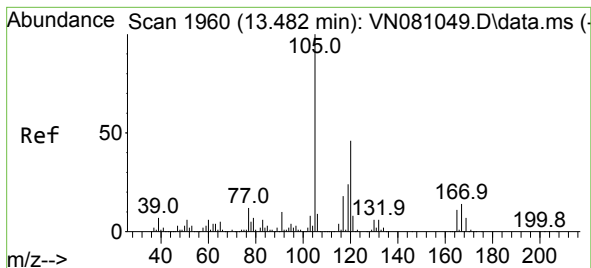
Tgt Ion: 75 Resp: 109046
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.346 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081259.D
Acq: 28 Feb 2024 21:41

Tgt Ion: 75 Resp: 109046
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.241 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Instrument :

MSVOA_N

ClientSampleId :

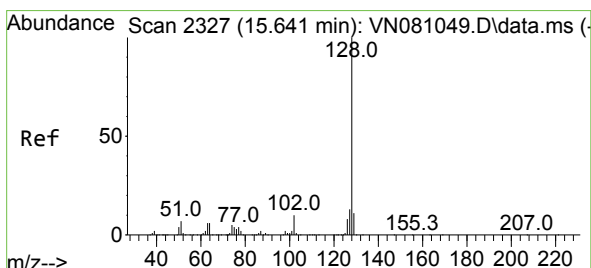
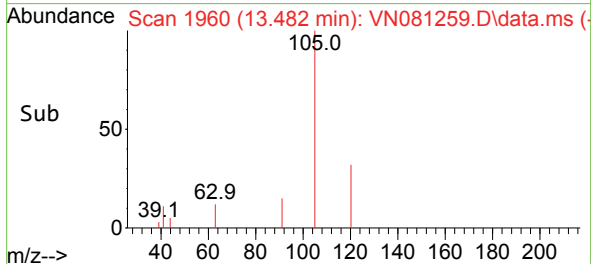
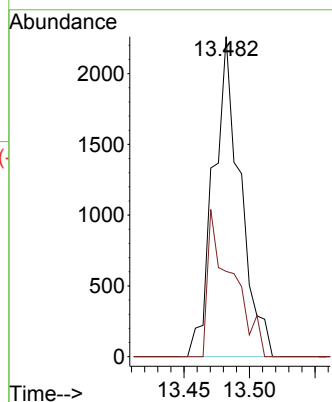
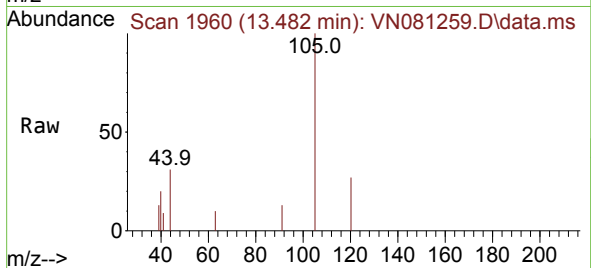
124

Tgt Ion:105 Resp: 3214

Ion Ratio Lower Upper

105 100

120 41.7 20.9 62.7



#95

Naphthalene

Concen: 0.279 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081259.D

Acq: 28 Feb 2024 21:41

Tgt Ion:128 Resp: 3837

Ion Ratio Lower Upper

128 100

127 7.5 10.0 15.0#

129 8.0 8.7 13.1#

