

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081939.D
 Acq On : 30 Apr 2024 18:29
 Operator : JC\MD
 Sample : P2183-01DL 100X
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 06:02:06 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)

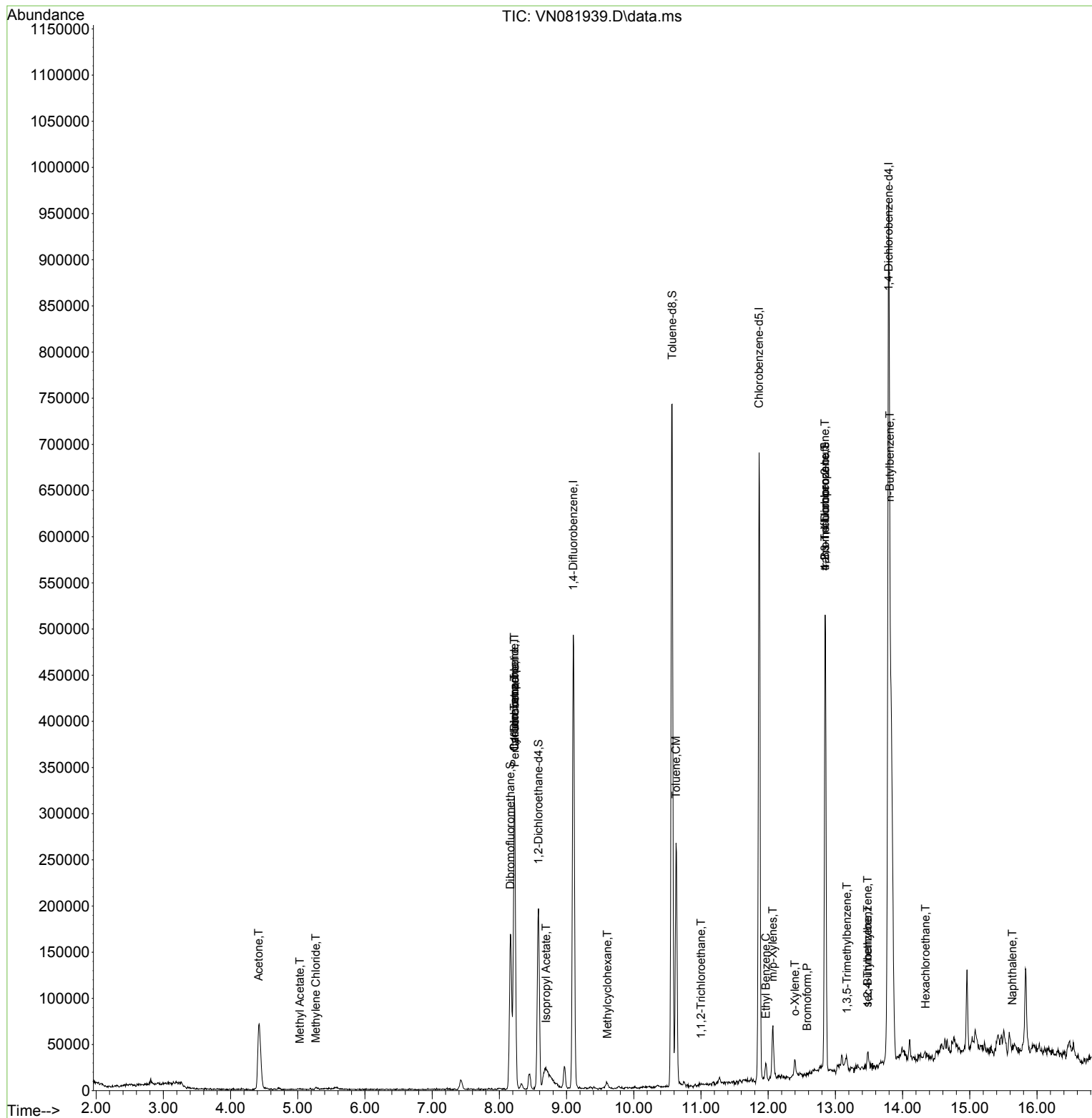
Internal Standards						
1) Pentafluorobenzene	8.230	168	215931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	418692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148604	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	154449	42.380	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.760%		
35) Dibromofluoromethane	8.165	113	122766	48.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.400%		
50) Toluene-d8	10.571	98	514144	51.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.860%		
62) 4-Bromofluorobenzene	12.847	95	179934	45.975	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.940%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	253	Below Cal	#	70
13) Acrolein	4.195	56	124	Below Cal	#	1
16) Acetone	4.418	43	138184	125.502	ug/l	98
18) Methyl Acetate	5.030	43	1878	0.509	ug/l	# 55
20) Methylene Chloride	5.271	84	859	0.275	ug/l	# 47
31) Cyclohexane	8.224	56	8346	1.520	ug/l	# 57
36) 1,1-Dichloropropene	8.224	75	20656	5.037	ug/l	# 49
38) Carbon Tetrachloride	8.224	117	23320	5.818	ug/l	# 16
39) Methylcyclohexane	9.606	83	2579	0.518	ug/l	# 83
43) Isopropyl Acetate	8.694	43	36718	4.404	ug/l	# 52
52) Toluene	10.629	92	115904	15.720	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	949	0.327	ug/l	# 32
67) Ethyl Benzene	11.965	91	13065	0.872	ug/l	# 84
68) m/p-Xylenes	12.071	106	15019	2.810	ug/l	91
69) o-Xylene	12.400	106	5216	1.000	ug/l	88
71) Bromoform	12.582	173	523	0.254	ug/l	# 28
76) 1,2,3-Trichloropropane	12.847	75	97003	25.176	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.170	105	3824	0.342	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	97003	51.589	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.482	105	8987	0.805	ug/l	80
85) sec-Butylbenzene	13.482	105	8987	0.685	ug/l	# 56
89) n-Butylbenzene	13.812	91	73509	7.500	ug/l	# 44
90) Hexachloroethane	14.341	117	439	0.212	ug/l	# 17
95) Naphthalene	15.635	128	2491	0.238	ug/l	# 41

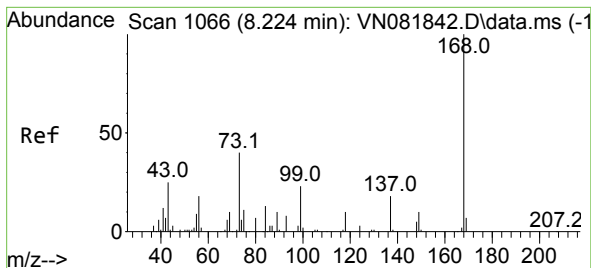
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Instrument :

MSVOA_N

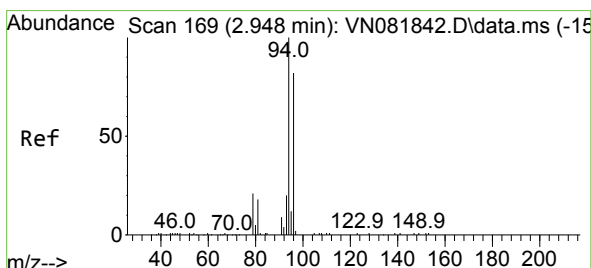
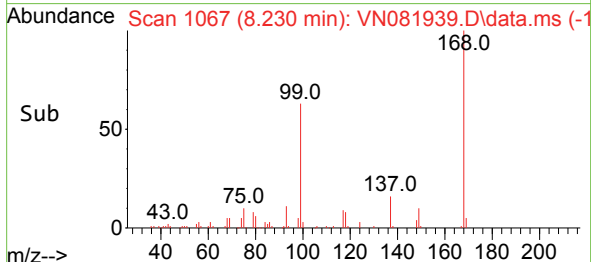
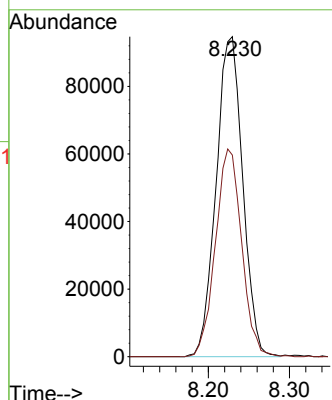
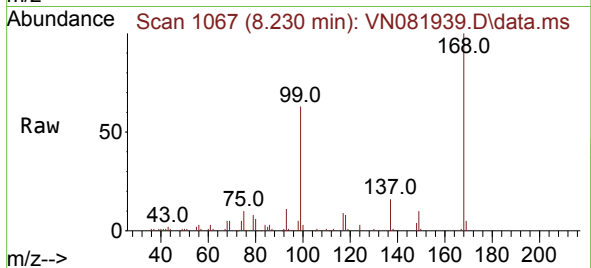
ClientSampleId :

Tgt Ion:168 Resp: 215931

Ion Ratio Lower Upper

168 100

99 63.0 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN081939.D

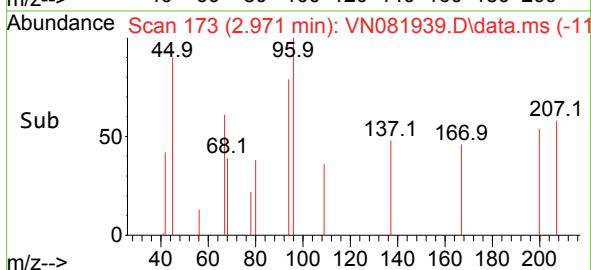
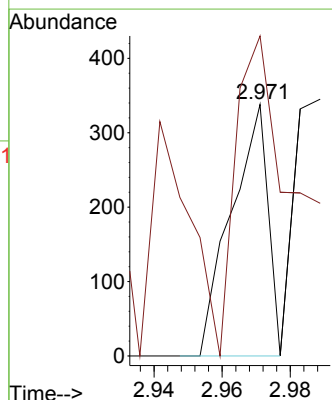
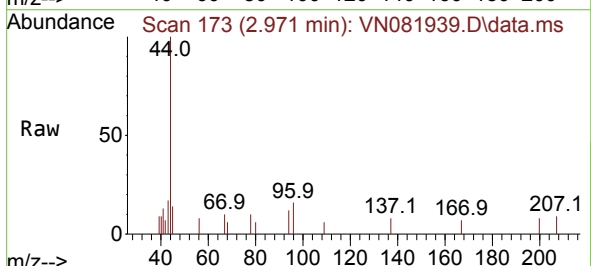
Acq: 30 Apr 2024 18:29

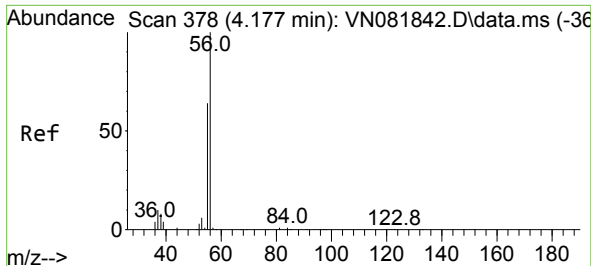
Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

94 100

96 64.2 74.8 112.2#





#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 3

Delta R.T. 0.018 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Instrument :

MSVOA_N

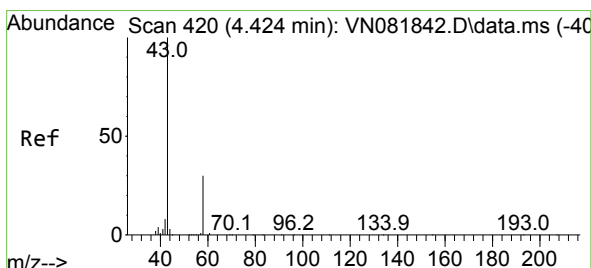
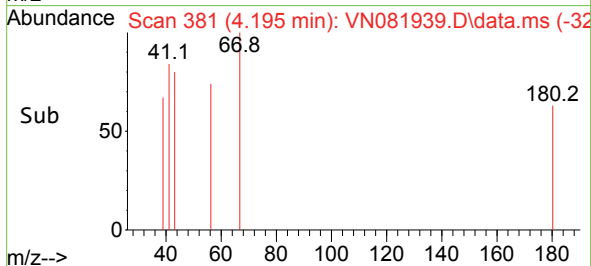
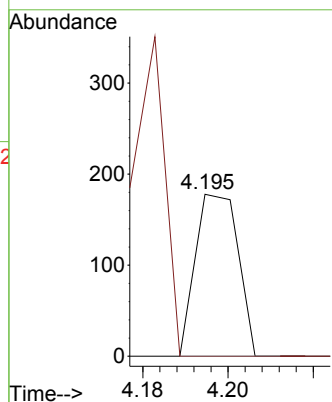
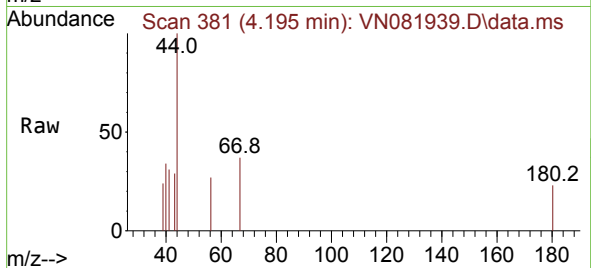
ClientSampleId :

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 152.4 55.8 83.8#



#16

Acetone

Concen: 125.502 ug/l

RT: 4.418 min Scan# 419

Delta R.T. -0.006 min

Lab File: VN081939.D

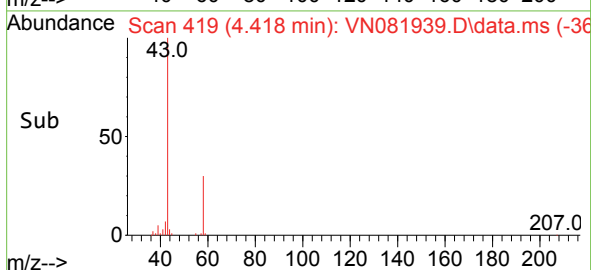
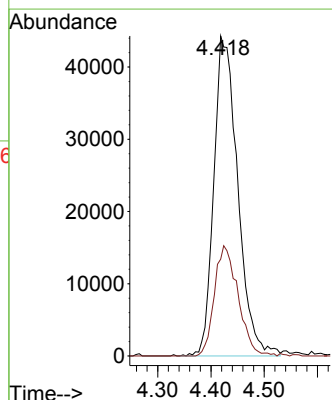
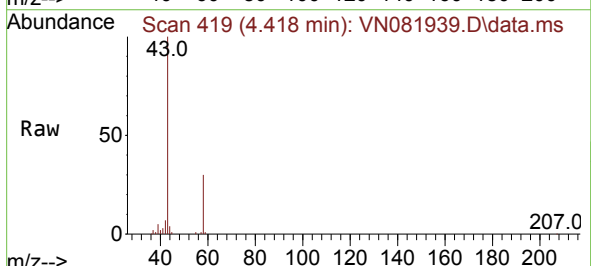
Acq: 30 Apr 2024 18:29

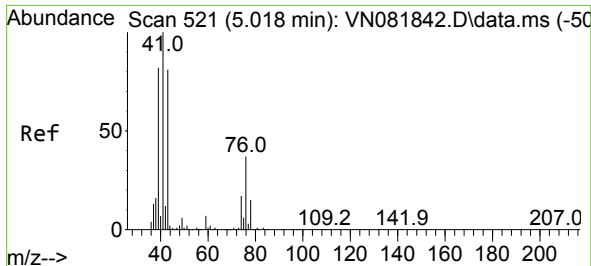
Tgt Ion: 43 Resp: 138184

Ion Ratio Lower Upper

43 100

58 30.3 25.2 37.8

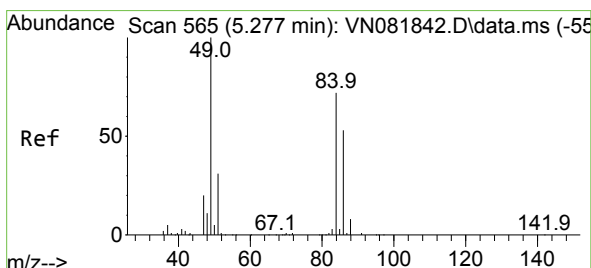
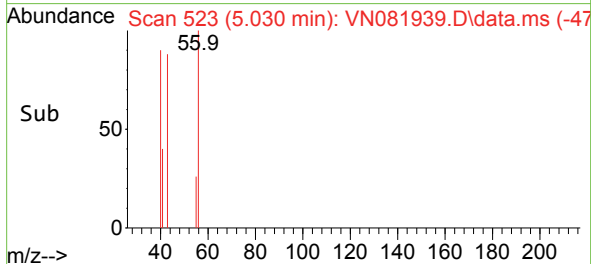
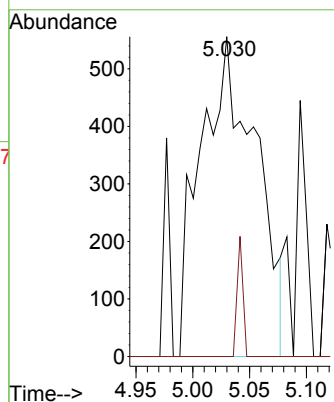
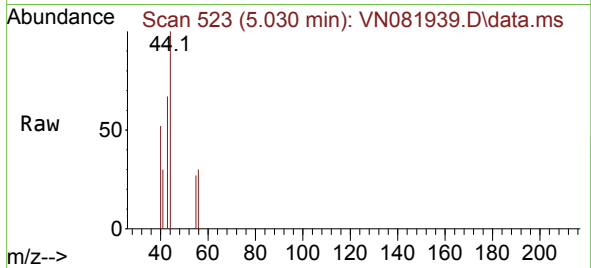




#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

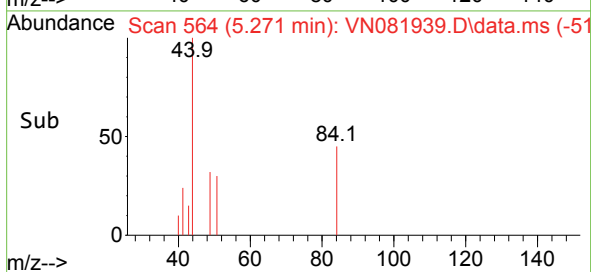
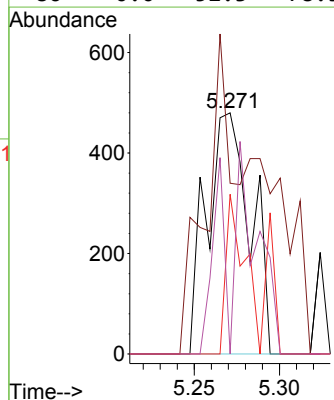
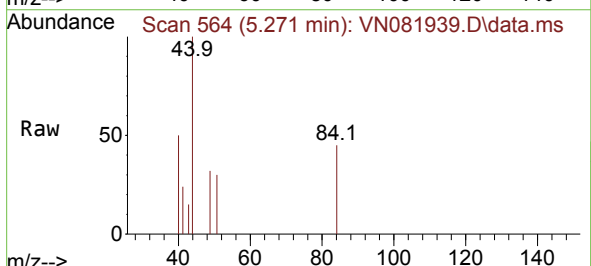
Instrument :
MSVOA_N
ClientSampleId :

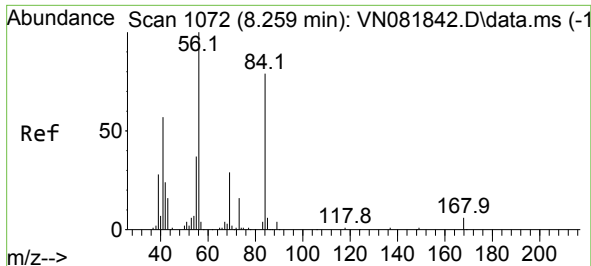
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
74 3.9 22.2 33.2#



#20
Methylene Chloride
Concen: 0.275 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

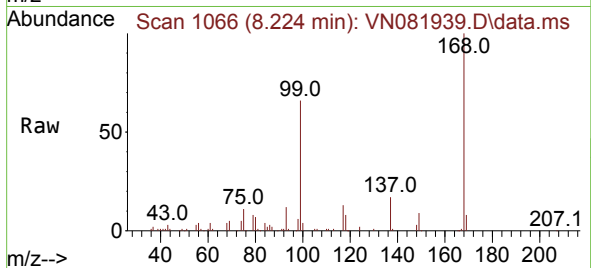
Tgt Ion: 84 Resp: 859
Ion Ratio Lower Upper
84 100
49 70.8 84.9 127.3#
51 66.3 27.0 40.6#
86 0.0 52.3 78.5#



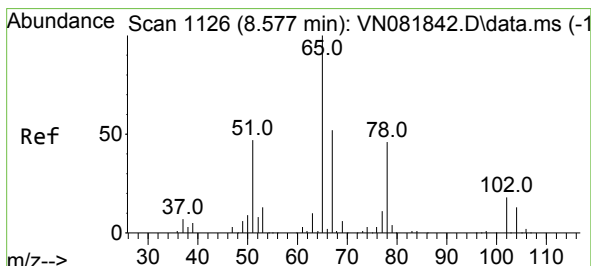
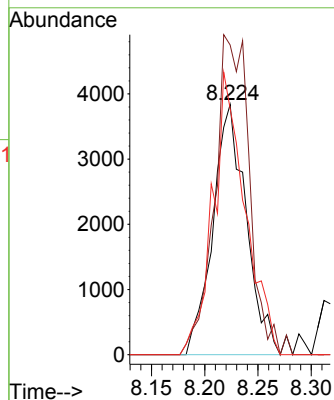
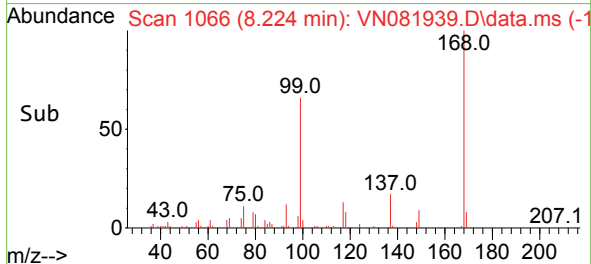


#31
Cyclohexane
Concen: 1.520 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :

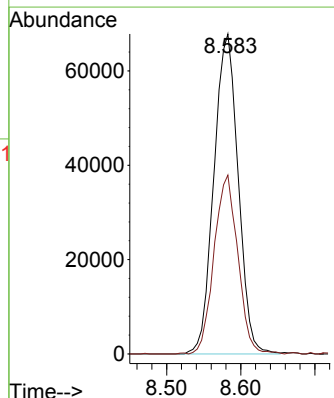
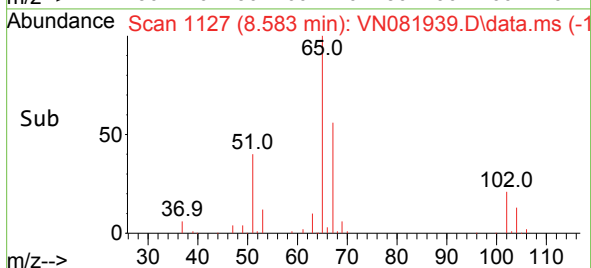
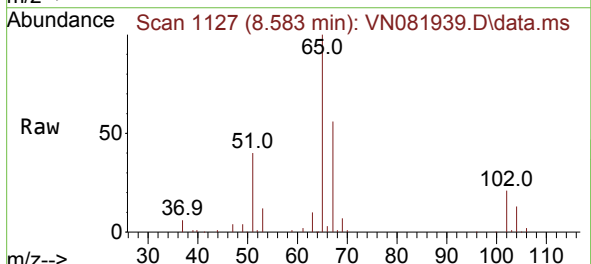


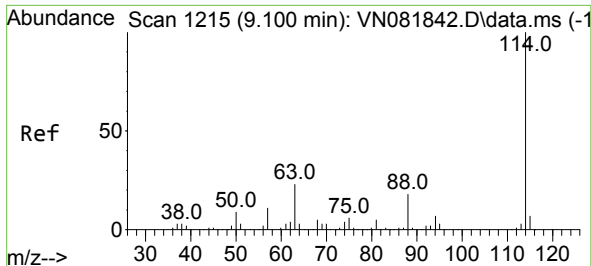
Tgt Ion: 56 Resp: 8346
Ion Ratio Lower Upper
56 100
69 123.8 24.4 36.6#
84 98.4 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 42.380 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Tgt Ion: 65 Resp: 154449
Ion Ratio Lower Upper
65 100
67 54.8 0.0 103.0

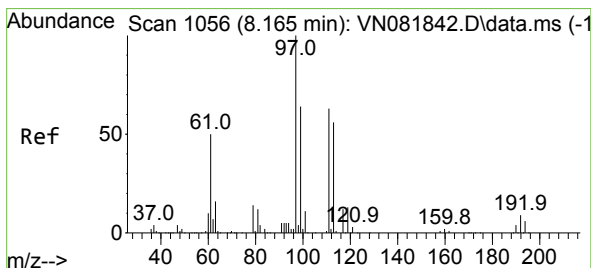
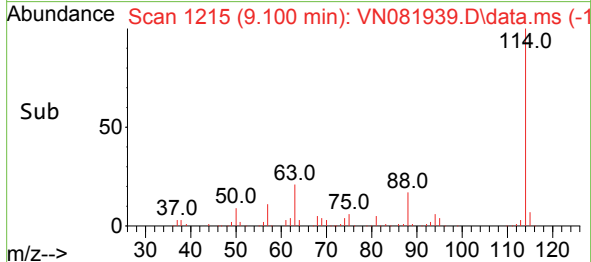
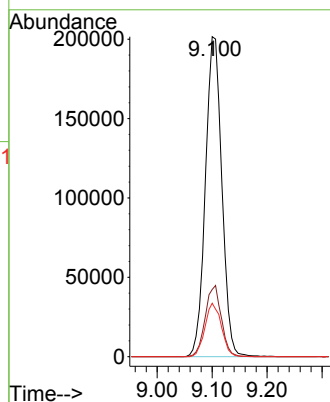
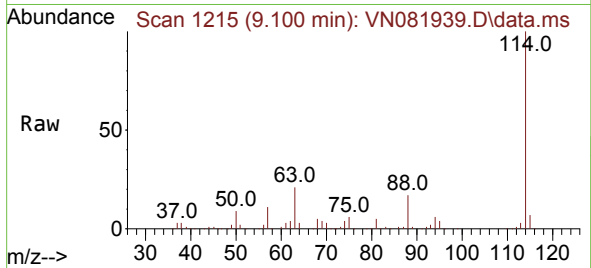




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

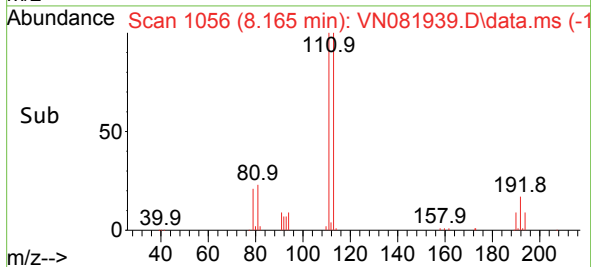
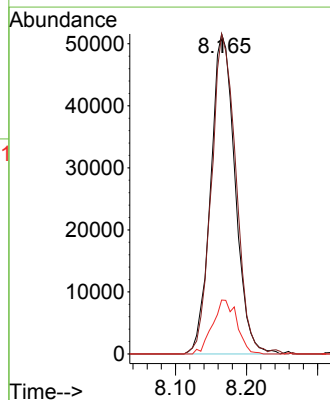
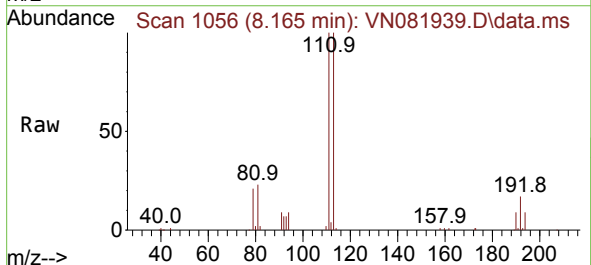
Instrument :
MSVOA_N
ClientSampleId :

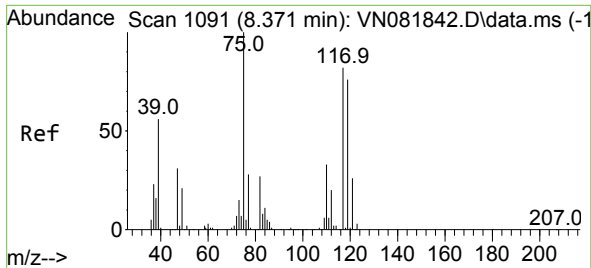
Tgt Ion:114 Resp: 418692
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.0
88 16.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.700 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

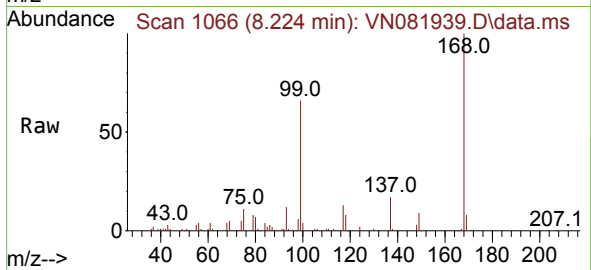
Tgt Ion:113 Resp: 122766
Ion Ratio Lower Upper
113 100
111 100.0 83.4 125.2
192 16.9 14.0 21.0



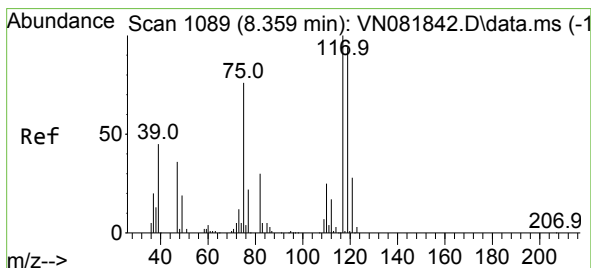
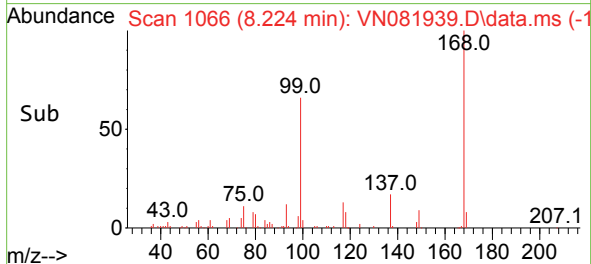
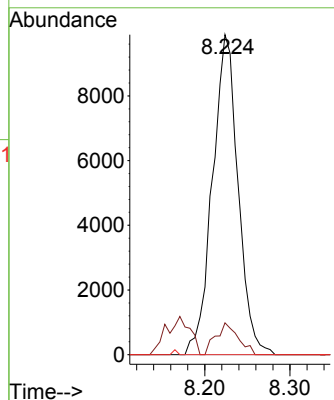


#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN081939.D
 Acq: 30 Apr 2024 18:29

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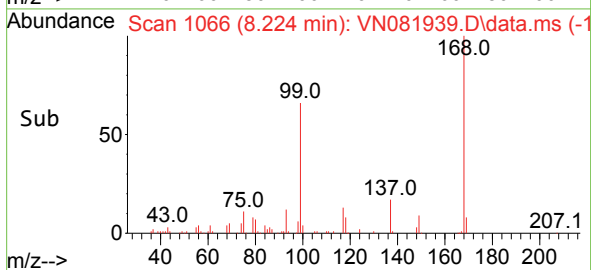
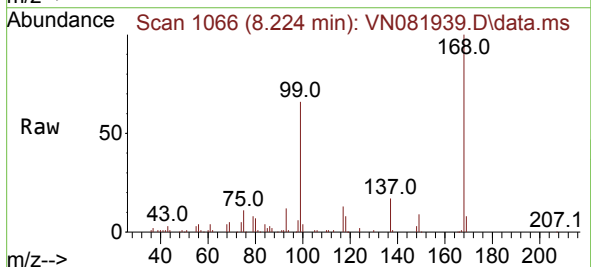
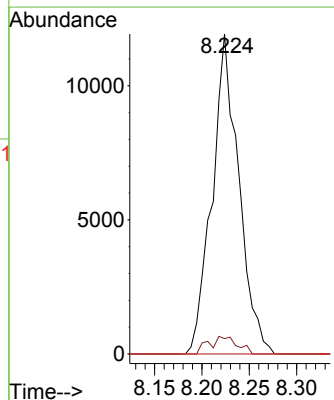


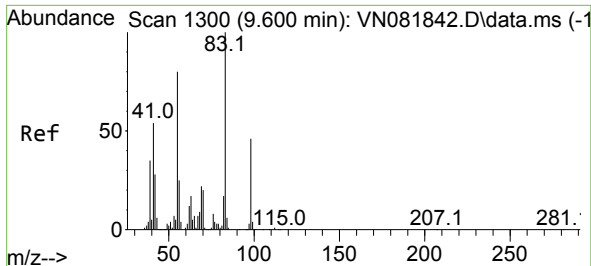
Tgt Ion: 75 Resp: 20656
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.818 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN081939.D
 Acq: 30 Apr 2024 18:29

Tgt Ion: 117 Resp: 23320
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.5 114.7#
 121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.518 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.006 min

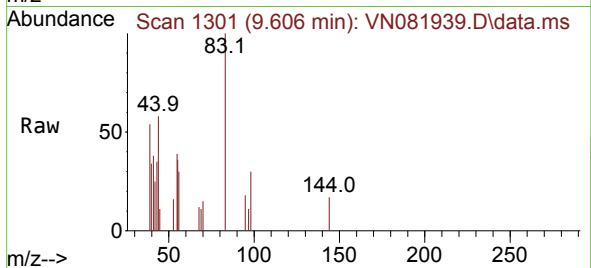
Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :



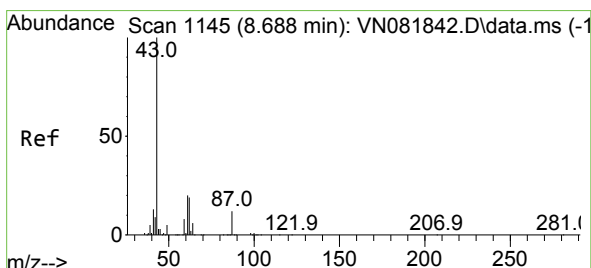
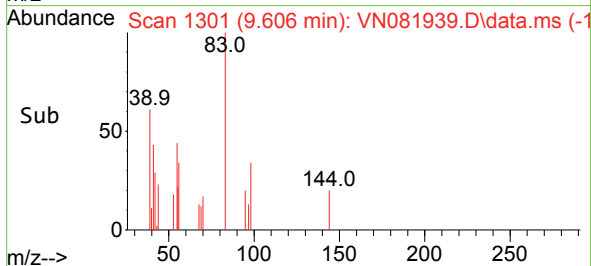
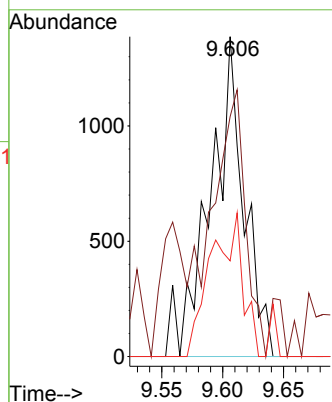
Tgt Ion: 83 Resp: 2579

Ion Ratio Lower Upper

83 100

55 57.2 53.0 79.6

98 29.9 37.1 55.7#



#43

Isopropyl Acetate

Concen: 4.404 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

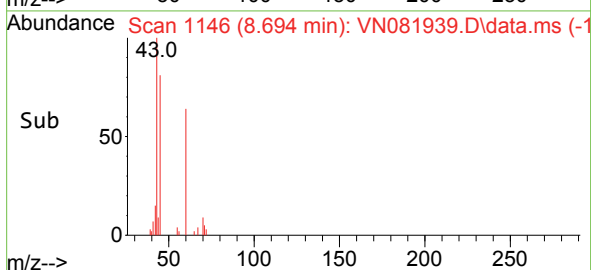
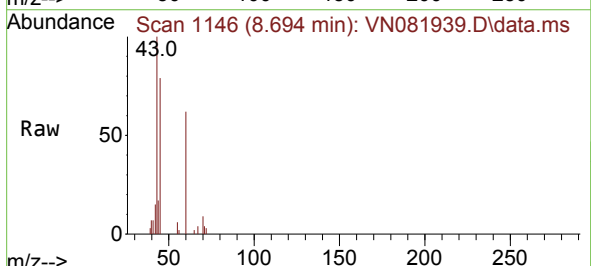
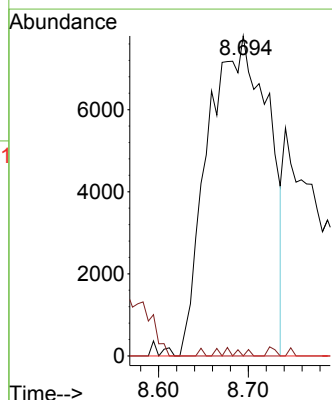
Tgt Ion: 43 Resp: 36718

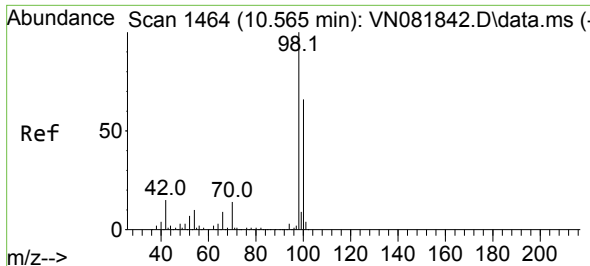
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

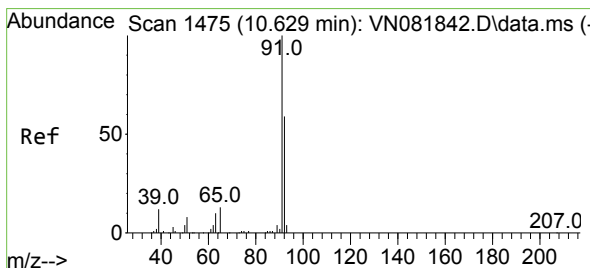
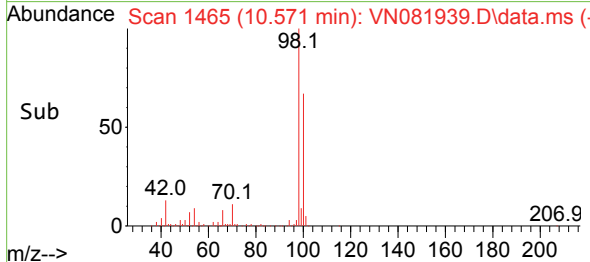
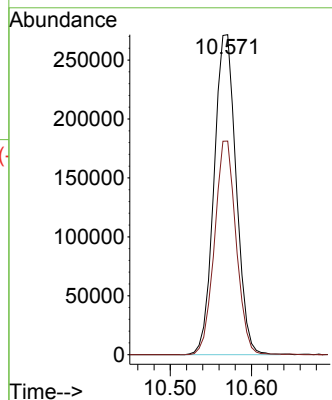
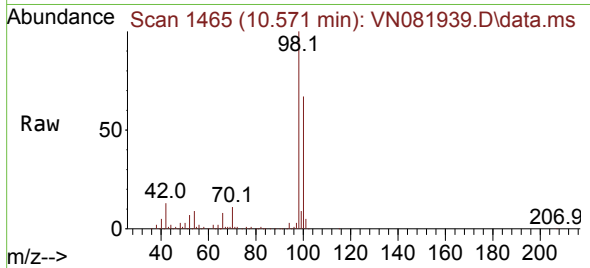




#50
Toluene-d8
Concen: 51.931 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

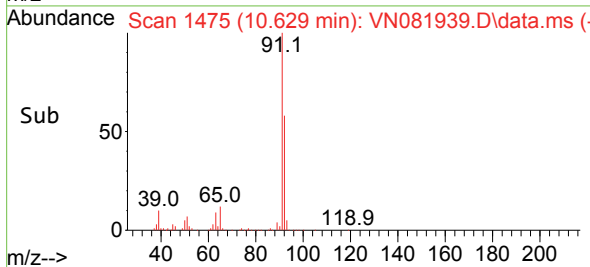
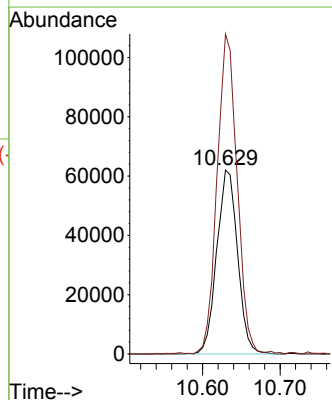
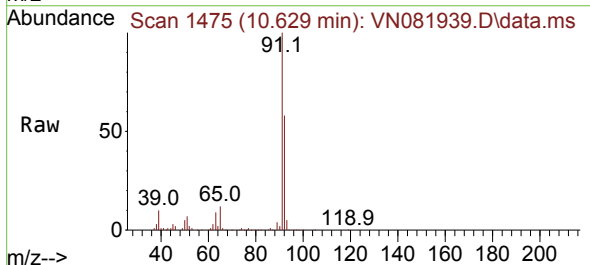
Instrument :
MSVOA_N
ClientSampleId :

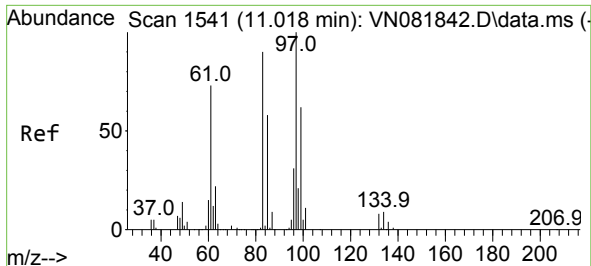
Tgt Ion: 98 Resp: 514144
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#52
Toluene
Concen: 15.720 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

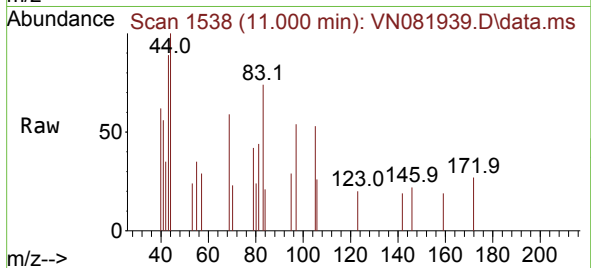
Tgt Ion: 92 Resp: 115904
Ion Ratio Lower Upper
92 100
91 167.8 136.7 205.1



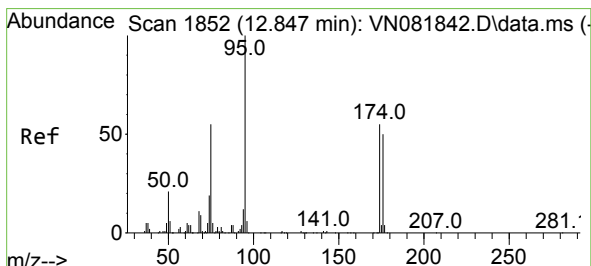
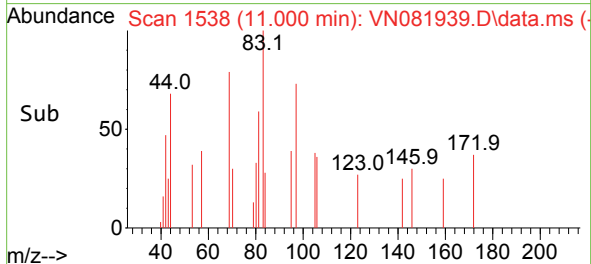
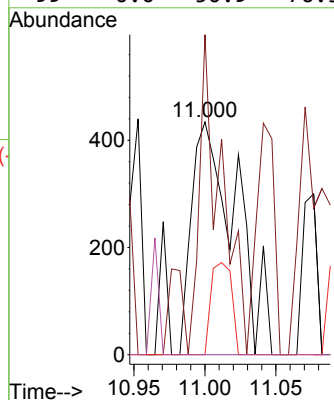


#55
1,1,2-Trichloroethane
Concen: 0.327 ug/l
RT: 11.000 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :

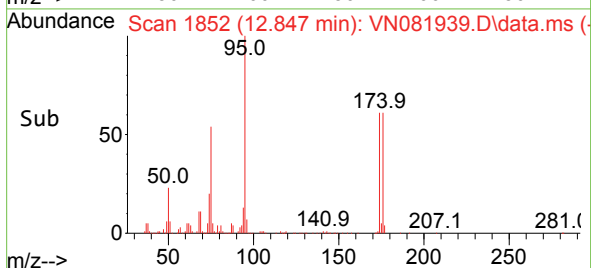
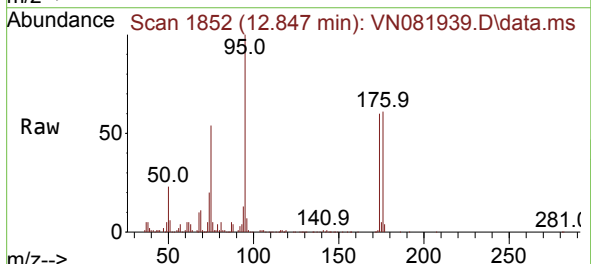
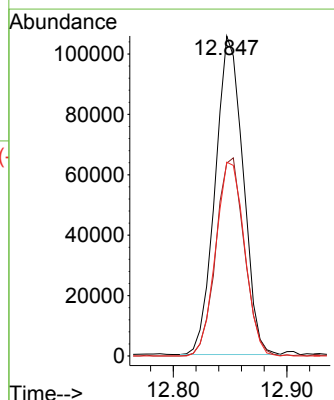


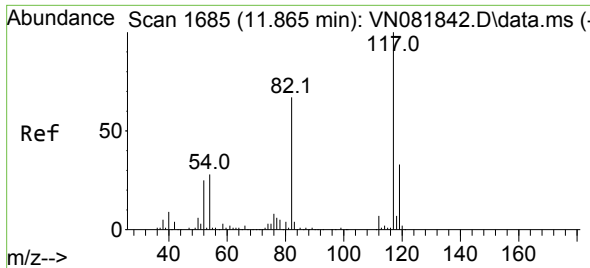
Tgt Ion: 97 Resp: 949
Ion Ratio Lower Upper
97 100
83 137.6 70.4 105.6#
85 0.0 45.6 68.4#
99 0.0 50.9 76.3#



#62
4-Bromofluorobenzene
Concen: 45.975 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

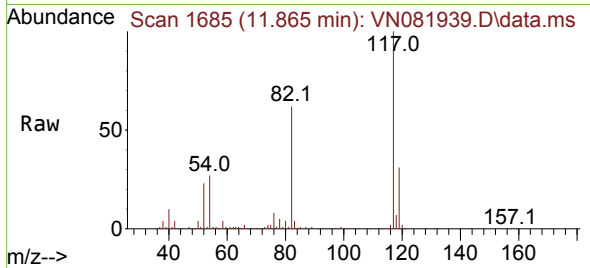
Tgt Ion: 95 Resp: 179934
Ion Ratio Lower Upper
95 100
174 63.6 0.0 160.6
176 63.0 0.0 152.8



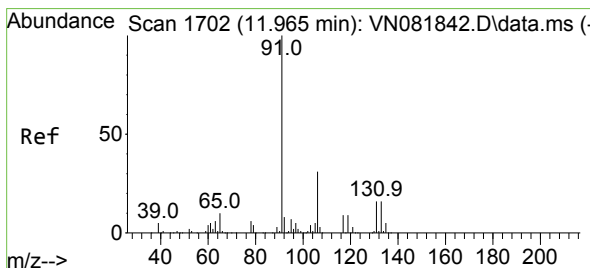
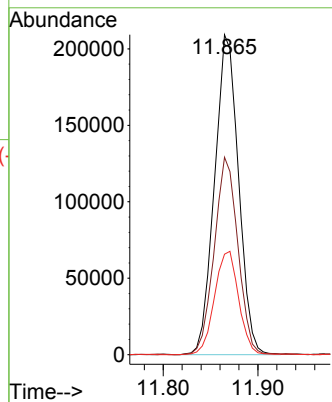
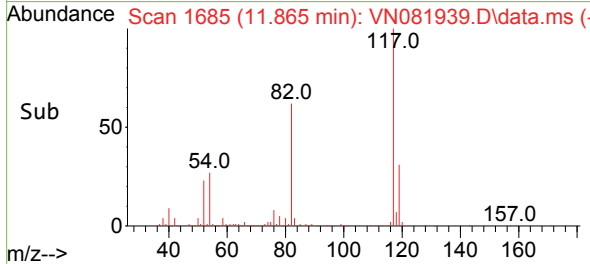


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :

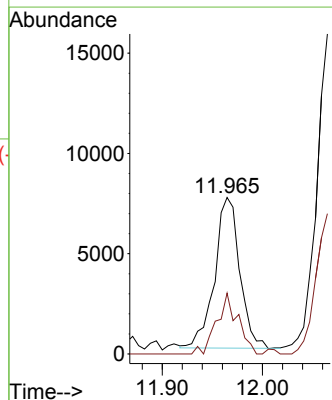
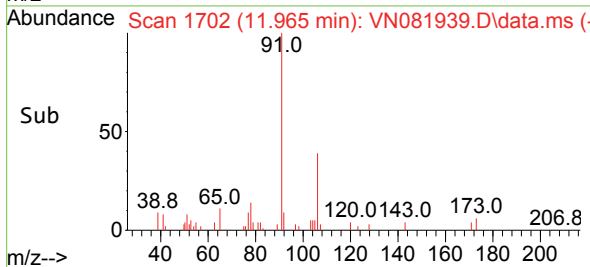
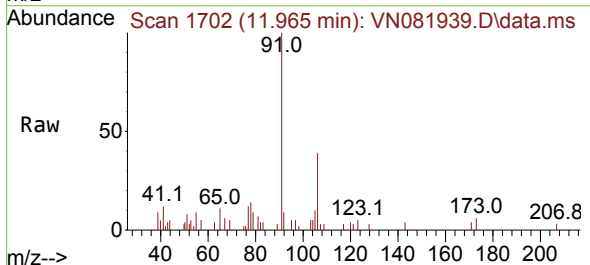


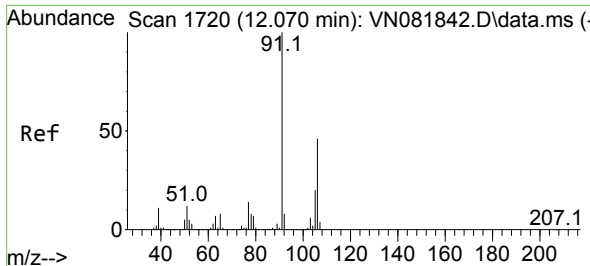
Tgt Ion:117 Resp: 368919
Ion Ratio Lower Upper
117 100
82 61.7 44.6 66.8
119 31.3 25.9 38.9



#67
Ethyl Benzene
Concen: 0.872 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Tgt Ion: 91 Resp: 13065
Ion Ratio Lower Upper
91 100
106 40.5 25.3 37.9#

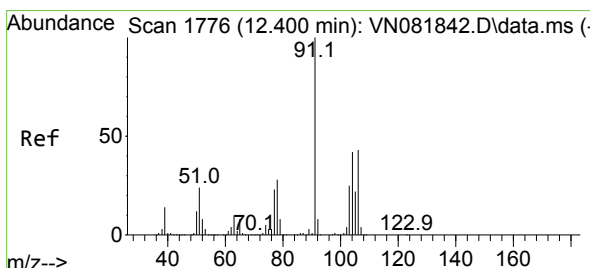
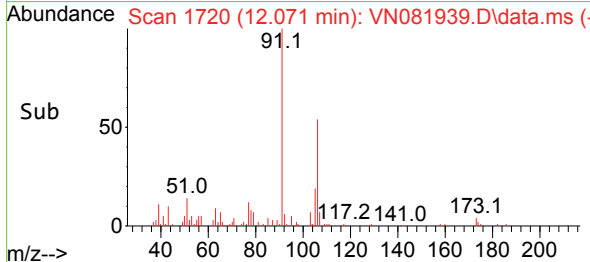
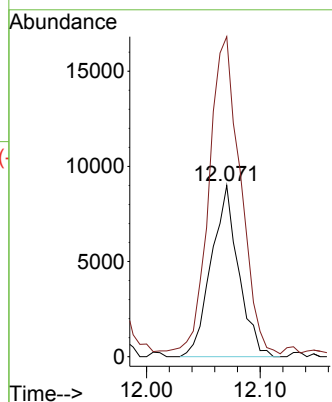
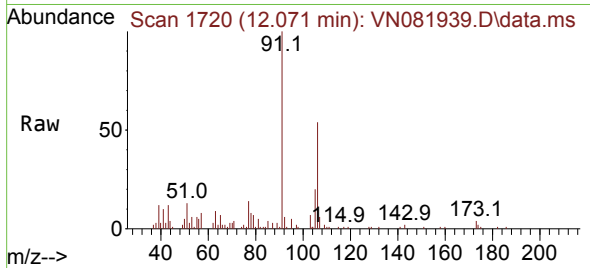




#68
m/p-Xylenes
Concen: 2.810 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

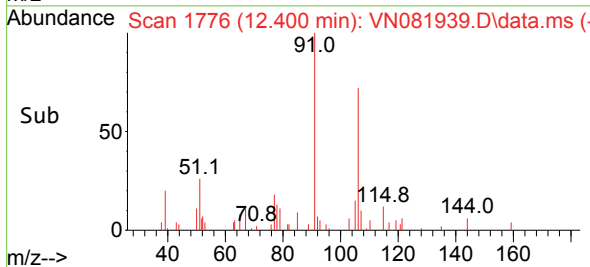
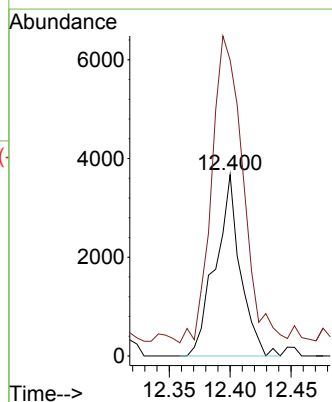
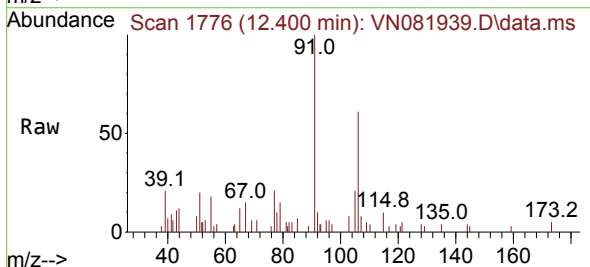
Instrument :
MSVOA_N
ClientSampleId :

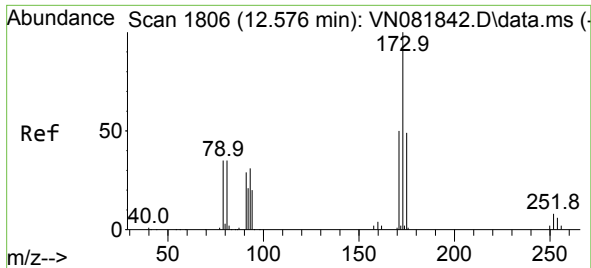
Tgt Ion:106 Resp: 15019
Ion Ratio Lower Upper
106 100
91 212.4 159.4 239.0



#69
o-Xylene
Concen: 1.000 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

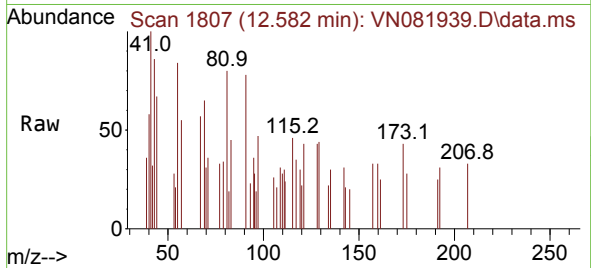
Tgt Ion:106 Resp: 5216
Ion Ratio Lower Upper
106 100
91 228.5 104.7 314.1



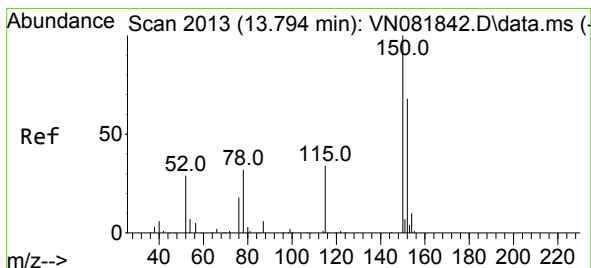
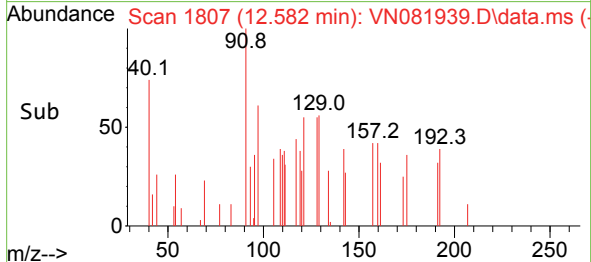
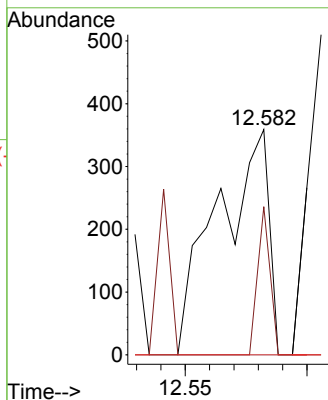


#71
Bromoform
Concen: 0.254 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :

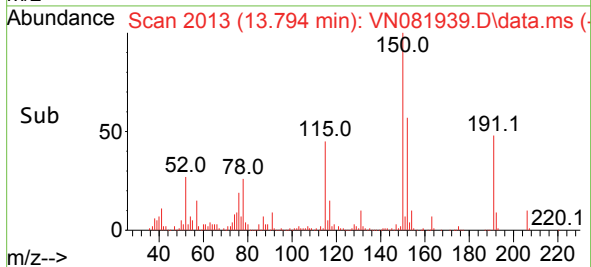
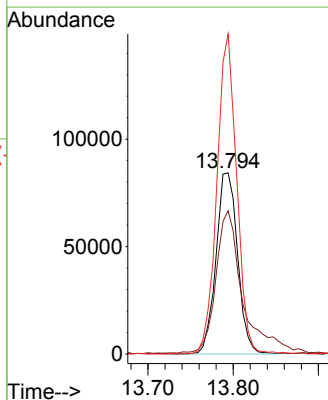
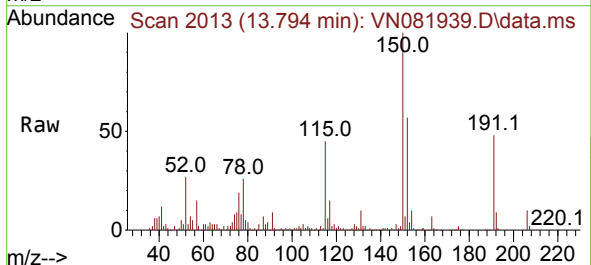


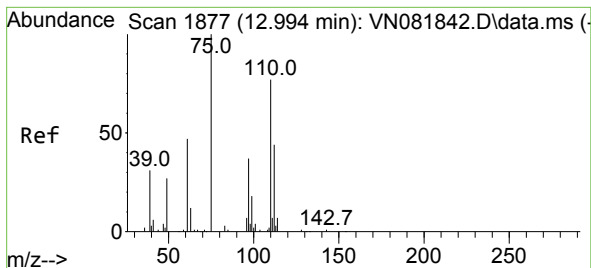
Tgt Ion:173 Resp: 523
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

Tgt Ion:152 Resp: 148604
Ion Ratio Lower Upper
152 100
115 97.4 30.4 91.3#
150 162.6 0.0 353.2

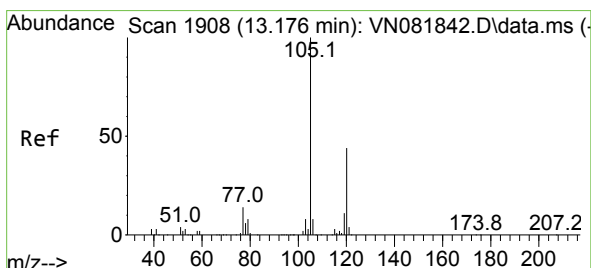
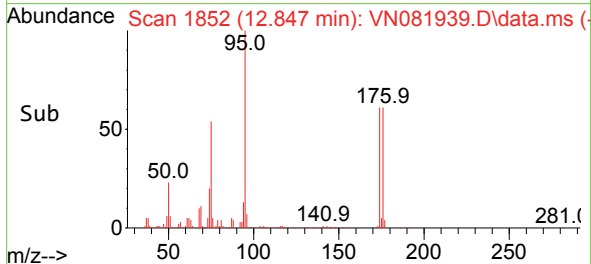
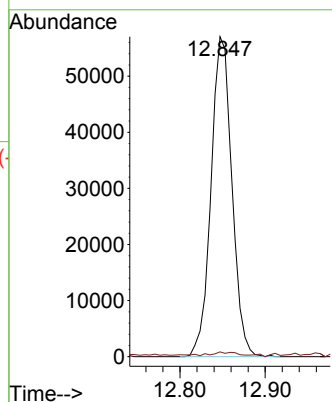
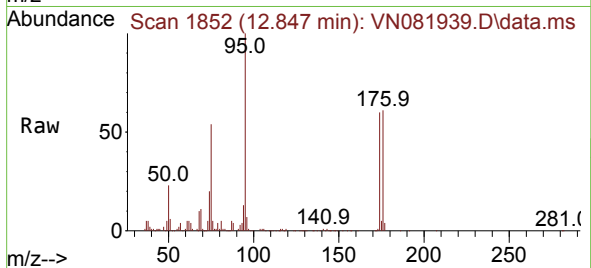




#76
1,2,3-Trichloropropane
Concen: 25.176 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

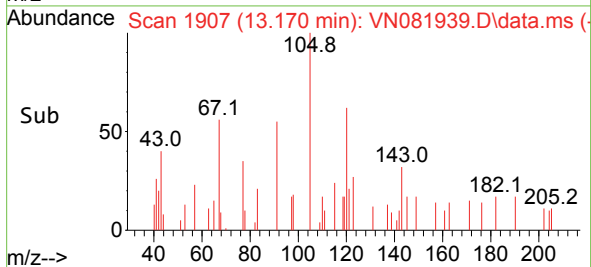
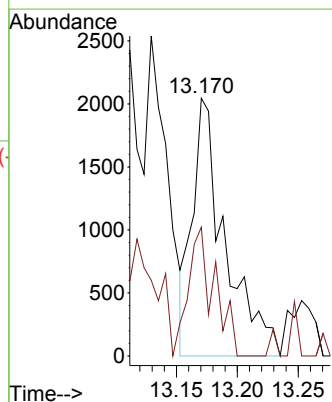
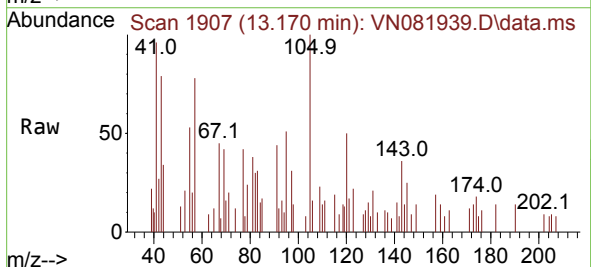
Instrument :
MSVOA_N
ClientSampleId :

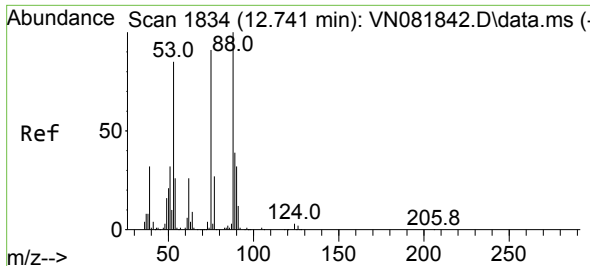
Tgt Ion: 75 Resp: 97003
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.342 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081939.D
Acq: 30 Apr 2024 18:29

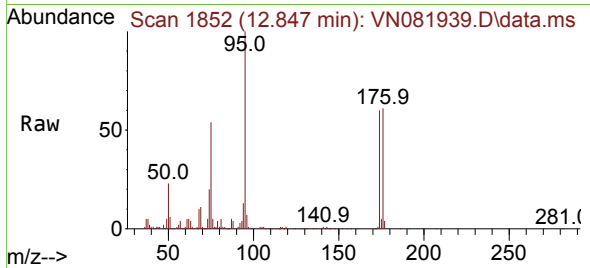
Tgt Ion: 105 Resp: 3824
Ion Ratio Lower Upper
105 100
120 39.9 24.8 74.3



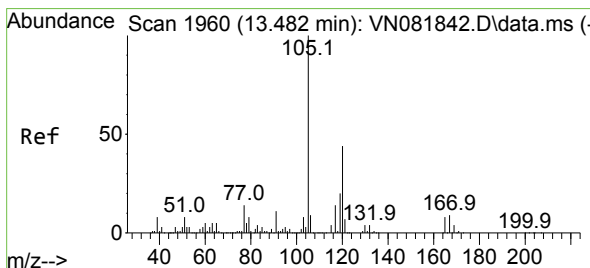
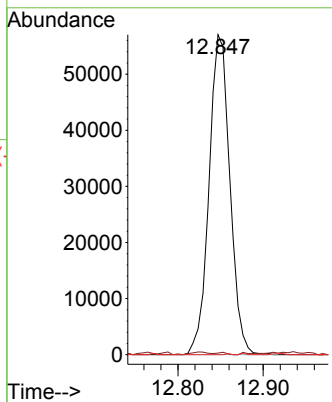
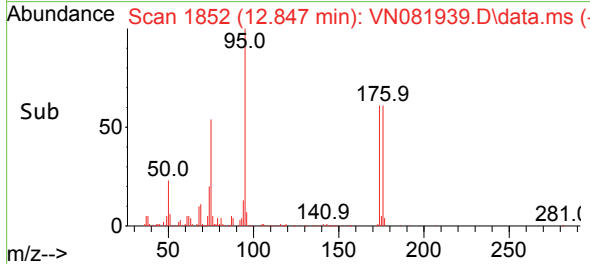


#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.589 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081939.D
 Acq: 30 Apr 2024 18:29

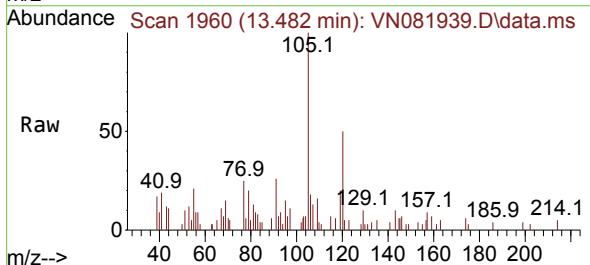
Instrument :
 MSVOA_N
 ClientSampleId :



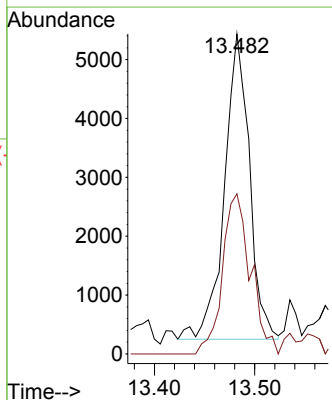
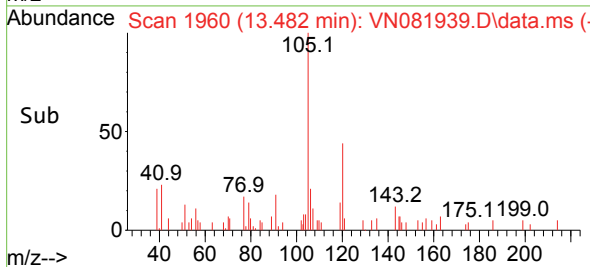
Tgt Ion: 75 Resp: 97003
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.9 109.3#
 89 0.1 39.1 58.7#

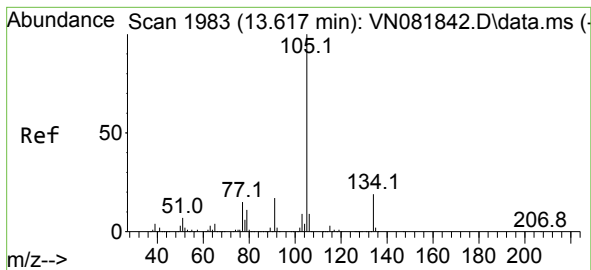


#84
 1,2,4-Trimethylbenzene
 Concen: 0.805 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081939.D
 Acq: 30 Apr 2024 18:29



Tgt Ion: 105 Resp: 8987
 Ion Ratio Lower Upper
 105 100
 120 58.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 0.685 ug/l

RT: 13.482 min Scan# 1983

Delta R.T. -0.135 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Instrument :

MSVOA_N

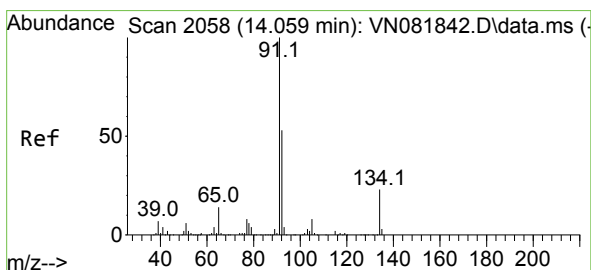
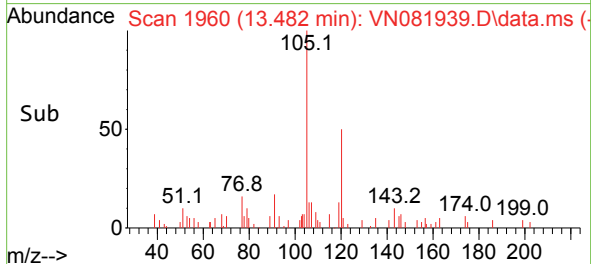
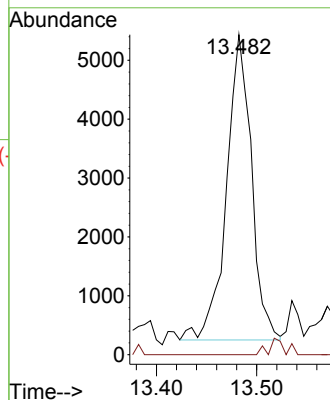
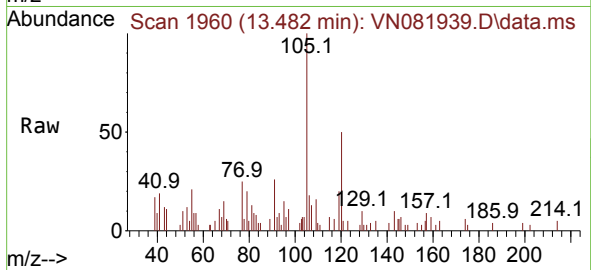
ClientSampleId :

Tgt Ion:105 Resp: 8987

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#



#89

n-Butylbenzene

Concen: 7.500 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.247 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

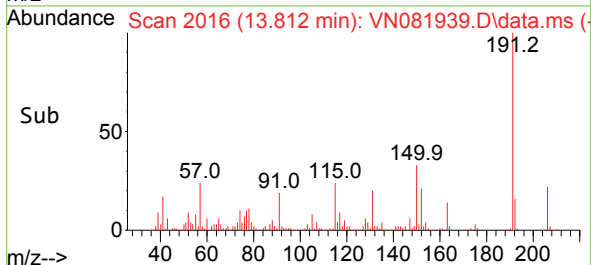
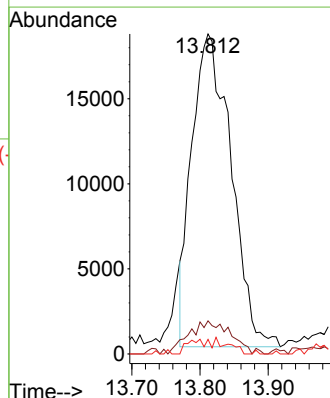
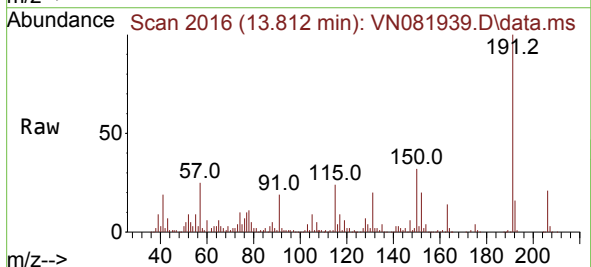
Tgt Ion: 91 Resp: 73509

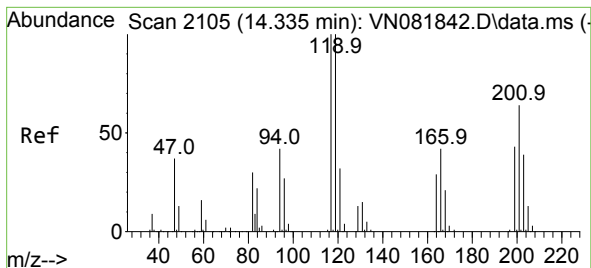
Ion Ratio Lower Upper

91 100

92 10.3 26.2 78.5#

134 1.9 13.2 39.5#





#90

Hexachloroethane

Concen: 0.212 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Instrument :

MSVOA_N

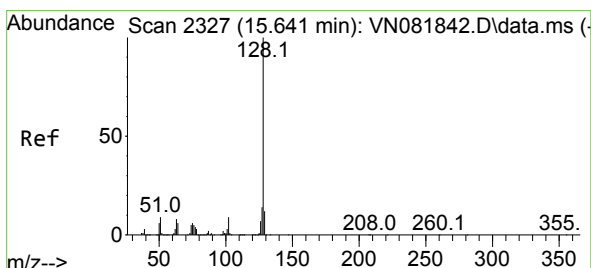
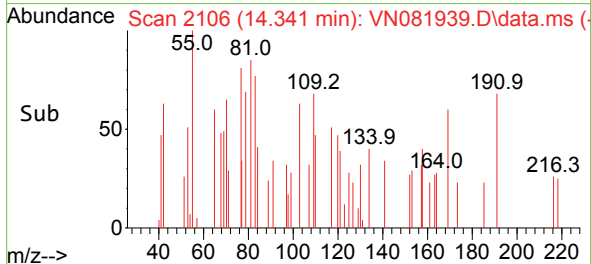
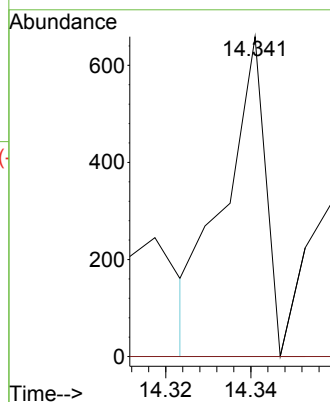
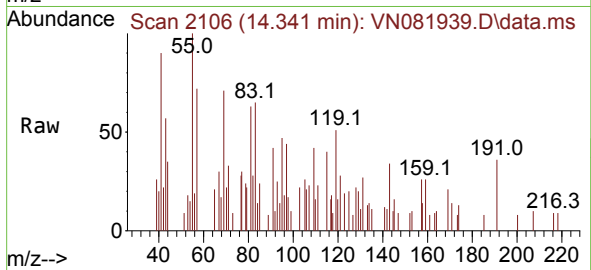
ClientSampleId :

Tgt Ion:117 Resp: 439

Ion Ratio Lower Upper

117 100

201 0.0 33.3 99.8#



#95

Naphthalene

Concen: 0.238 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081939.D

Acq: 30 Apr 2024 18:29

Tgt Ion:128 Resp: 2491

Ion Ratio Lower Upper

128 100

127 18.2 10.1 15.1#

129 52.7 8.9 13.3#

