

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082257.D
 Acq On : 21 May 2024 22:44
 Operator : JC\MD
 Sample : VN0521MBL02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL02

Quant Time: May 22 02:39:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

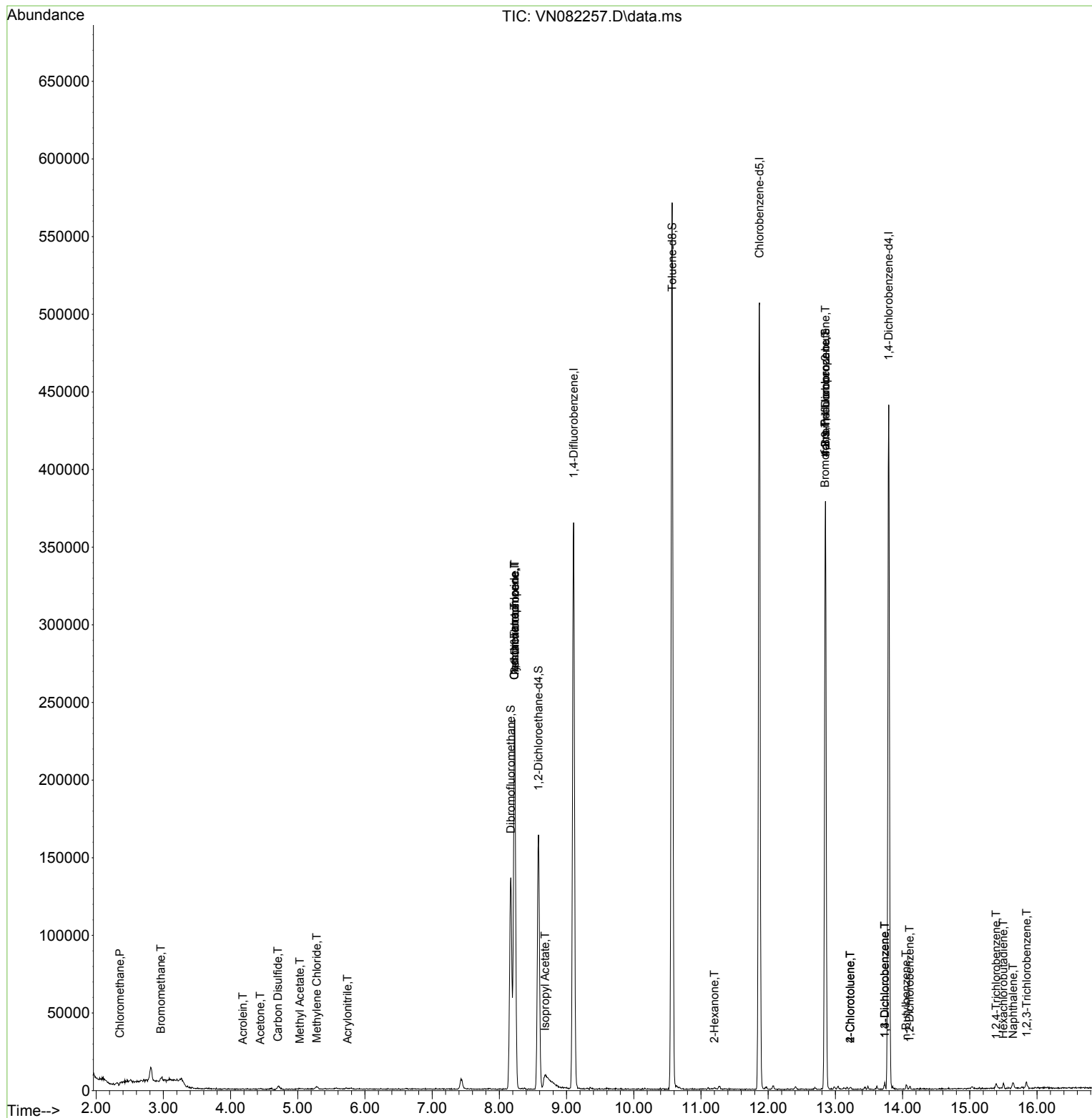
Internal Standards						
1) Pentafluorobenzene	8.230	168	169141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	268514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	134184	50.242	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 100.480%		
35) Dibromofluoromethane	8.171	113	96009	53.539	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 107.080%		
50) Toluene-d8	10.571	98	371397	54.020	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 108.040%		
62) 4-Bromofluorobenzene	12.853	95	123197	50.204	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 100.400%		
Target Compounds						Qvalue
3) Chloromethane	2.353	50	612	0.221	ug/l #	43
5) Bromomethane	2.965	94	1180	0.790	ug/l #	67
13) Acrolein	4.183	56	147	0.463	ug/l	86
15) Acrylonitrile	5.742	53	714	0.643	ug/l #	31
16) Acetone	4.442	43	1227	1.120	ug/l #	43
17) Carbon Disulfide	4.706	76	3374	0.566	ug/l #	83
18) Methyl Acetate	5.030	43	567	0.208	ug/l #	47
20) Methylene Chloride	5.283	84	953	0.431	ug/l #	89
28) Bromochloromethane	7.830	49	53	Below Cal	#	10
31) Cyclohexane	8.224	56	4981	1.168	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	15768	5.243	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18252	5.987	ug/l #	16
43) Isopropyl Acetate	8.682	43	8470	1.420	ug/l #	52
59) 2-Hexanone	11.200	43	628	0.253	ug/l #	40
71) Bromoform	12.847	173	652	1.115	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	74462	32.174	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1410	0.217	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.853	75	74462	75.253	ug/l #	12
82) 4-Chlorotoluene	13.223	91	1410	0.222	ug/l	90
87) 1,3-Dichlorobenzene	13.735	146	1071	0.284	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	1071	0.278	ug/l	94
89) n-Butylbenzene	14.053	91	1645	0.263	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	931	0.261	ug/l #	77
93) 1,2,4-Trichlorobenzene	15.394	180	1456	0.728	ug/l #	80
94) Hexachlorobutadiene	15.500	225	756	0.861	ug/l	85
95) Naphthalene	15.647	128	4520	0.721	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.847	180	1735	0.866	ug/l	94

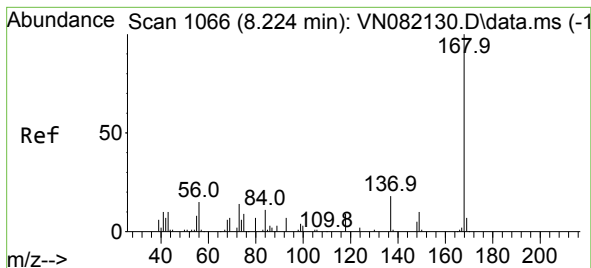
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 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: VN082257.D

Acq: 21 May 2024 22:44

Instrument :

MSVOA_N

ClientSampleId :

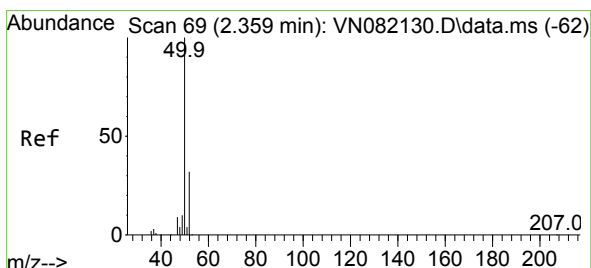
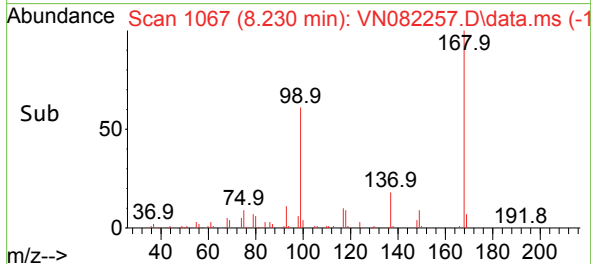
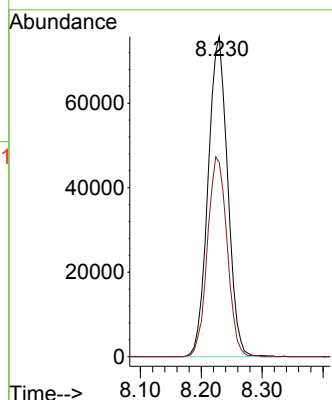
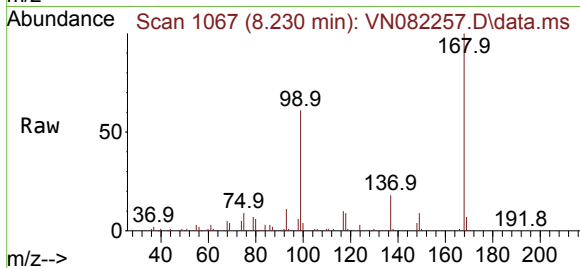
VN0521MBL02

Tgt Ion:168 Resp: 169141

Ion Ratio Lower Upper

168 100

99 60.7 48.2 72.4



#3

Chloromethane

Concen: 0.221 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN082257.D

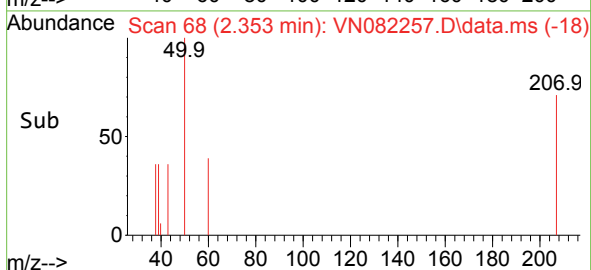
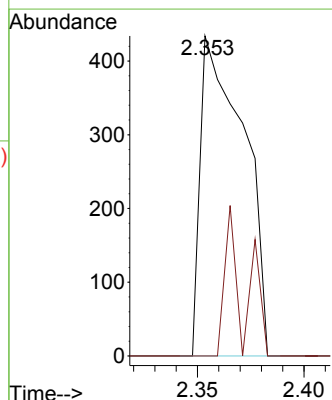
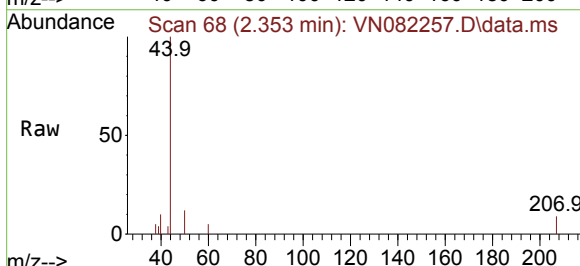
Acq: 21 May 2024 22:44

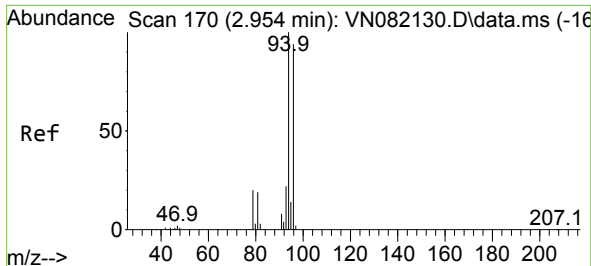
Tgt Ion: 50 Resp: 612

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

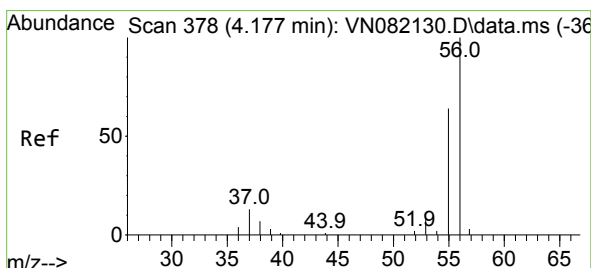
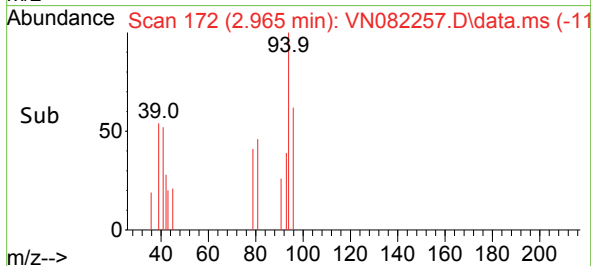
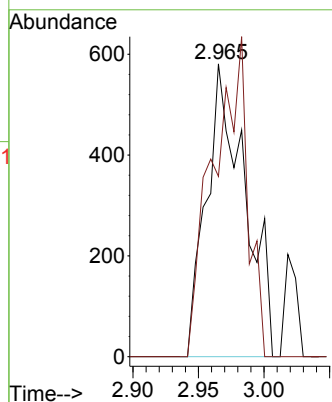
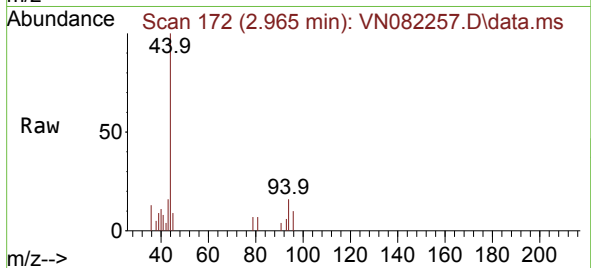




#5
Bromomethane
Concen: 0.790 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

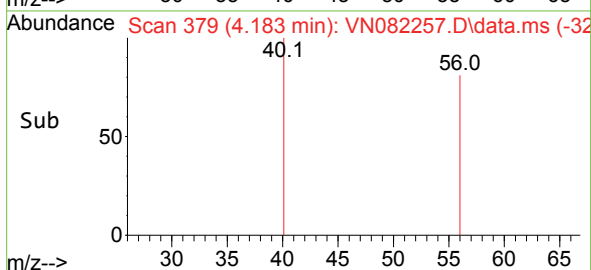
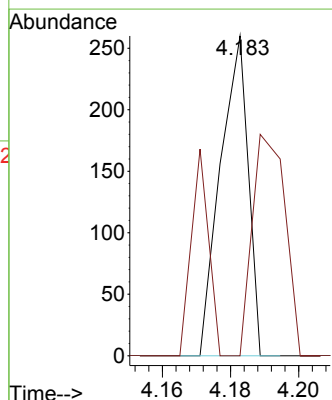
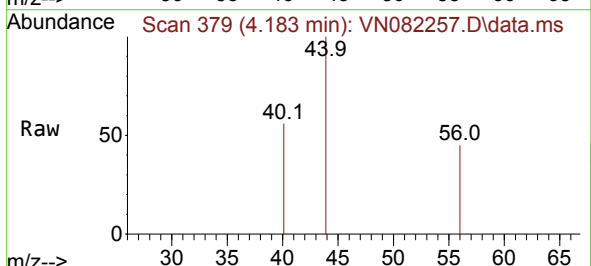
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

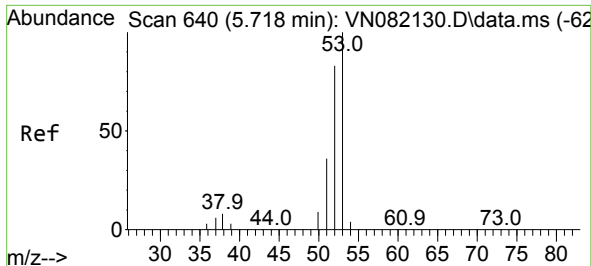
Tgt Ion: 94 Resp: 1180
Ion Ratio Lower Upper
94 100
96 61.6 74.8 112.2#



#13
Acrolein
Concen: 0.463 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

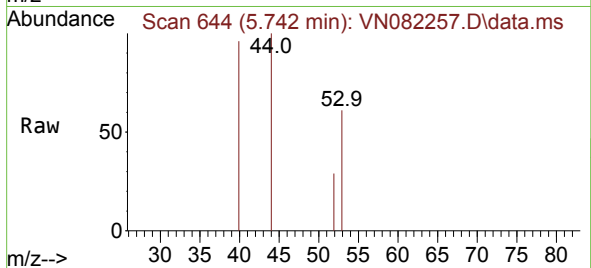
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 81.6 55.8 83.8



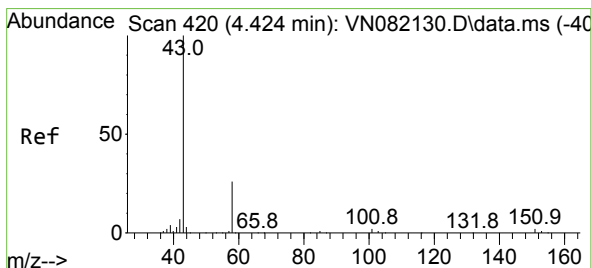
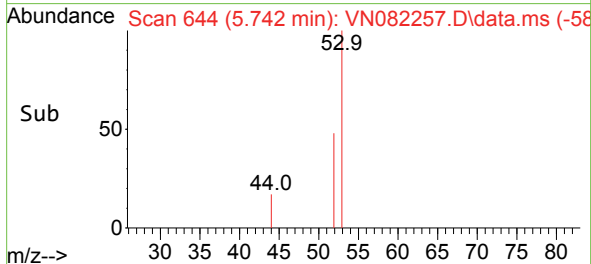
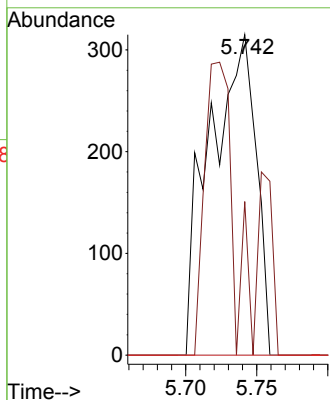


#15
Acrylonitrile
Concen: 0.643 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.024 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

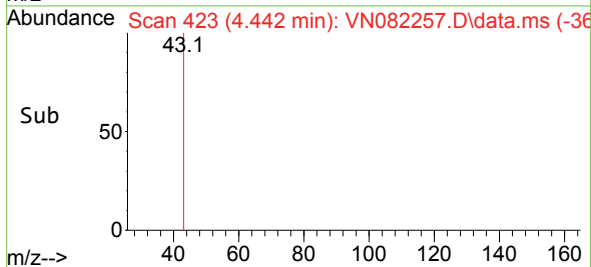
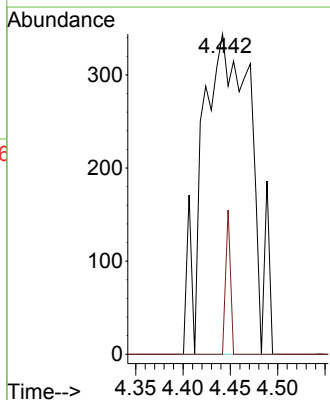
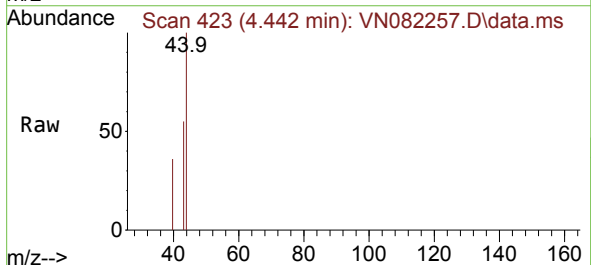


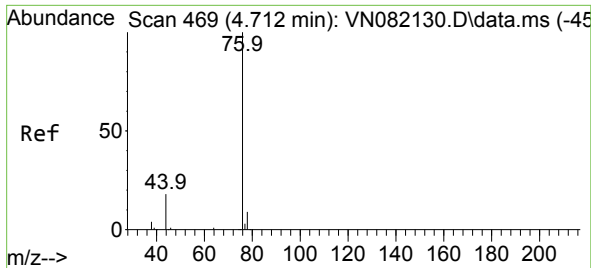
Tgt Ion: 53 Resp: 714
Ion Ratio Lower Upper
53 100
52 17.4 66.1 99.1#
51 0.0 29.4 44.2#



#16
Acetone
Concen: 1.120 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

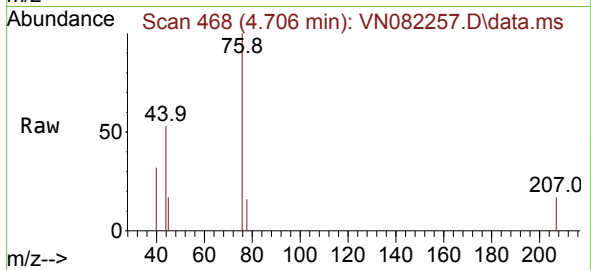
Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



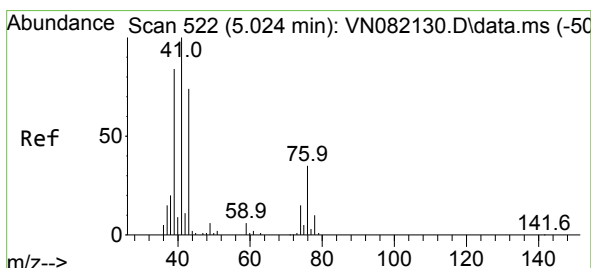
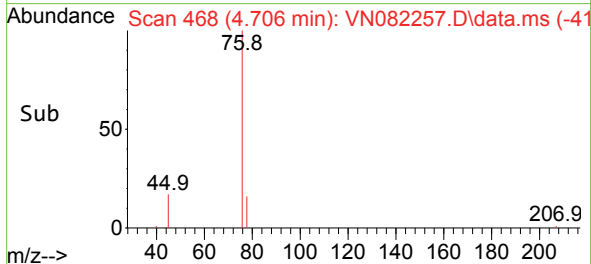
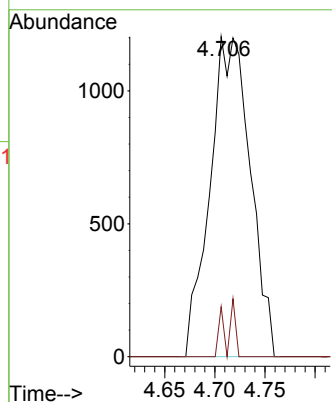


#17
Carbon Disulfide
Concen: 0.566 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

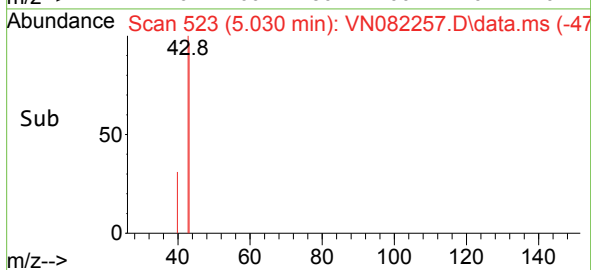
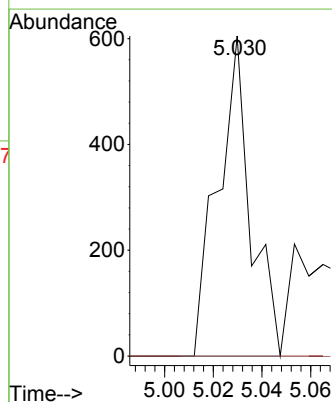
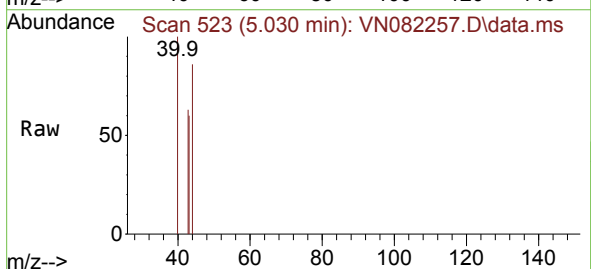


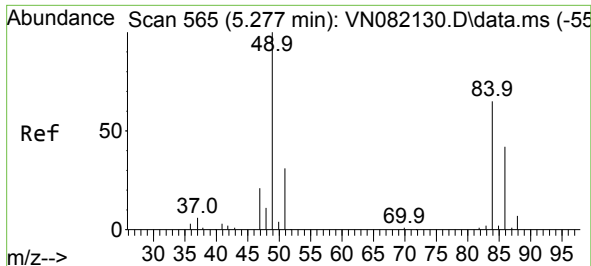
Tgt Ion: 76 Resp: 3374
Ion Ratio Lower Upper
76 100
78 15.6 7.5 11.3#



#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

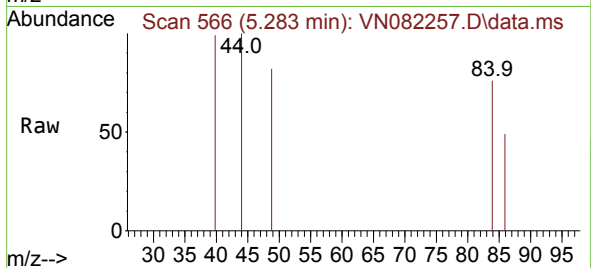
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



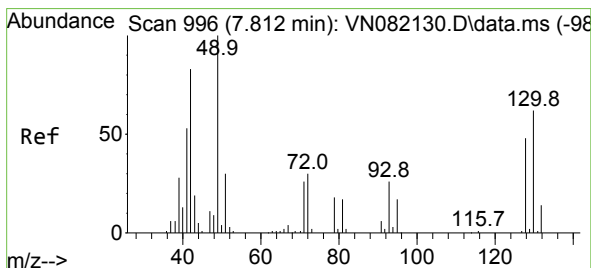
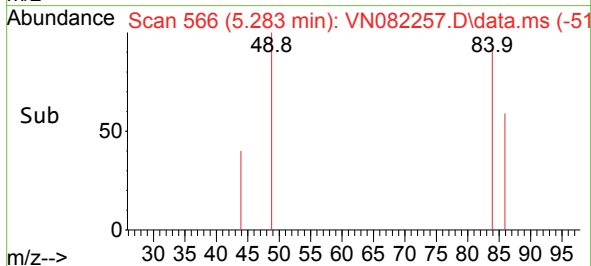
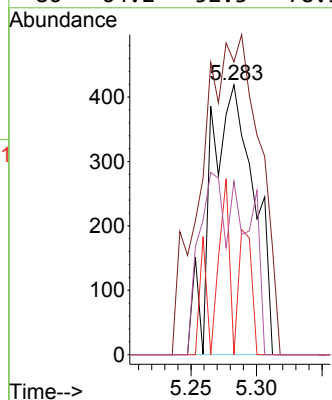


#20
Methylene Chloride
Concen: 0.431 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Instrument :
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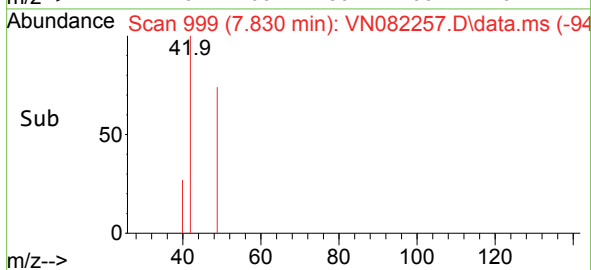
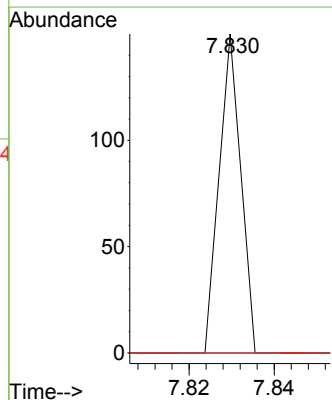
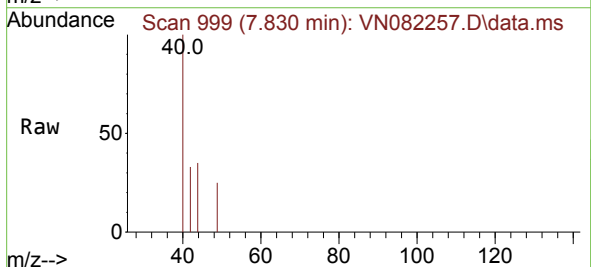


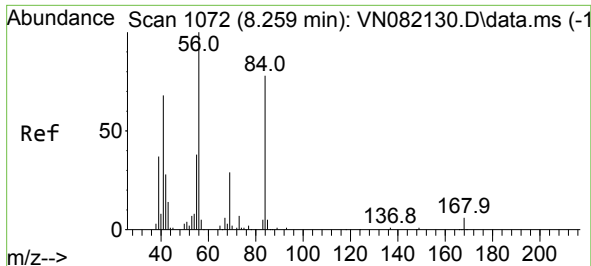
Tgt Ion:	84	Resp:	953
Ion	Ratio	Lower	Upper
84	100		
49	108.6	84.9	127.3
51	0.0	27.0	40.6#
86	64.2	52.3	78.5



#28
Bromochloromethane
Concen: Below Cal
RT: 7.830 min Scan# 999
Delta R.T. 0.018 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion:	49	Resp:	53
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	66.7	100.1#

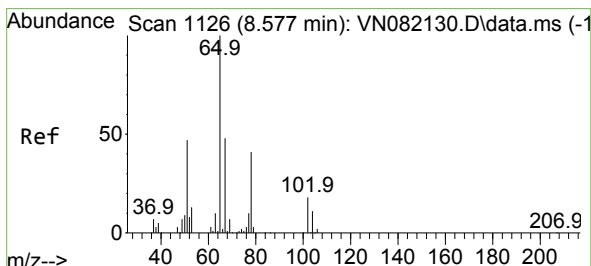
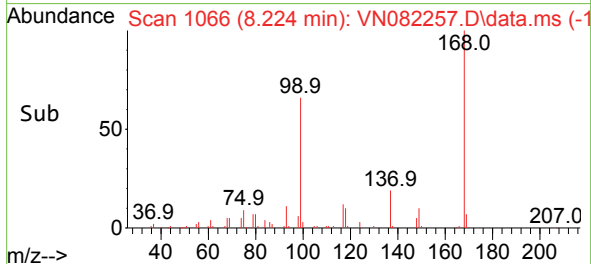
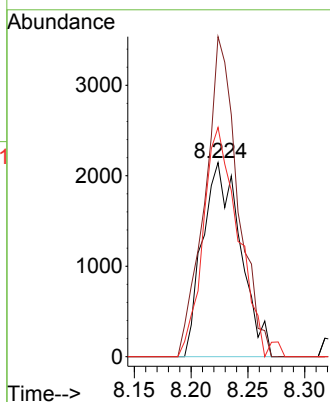
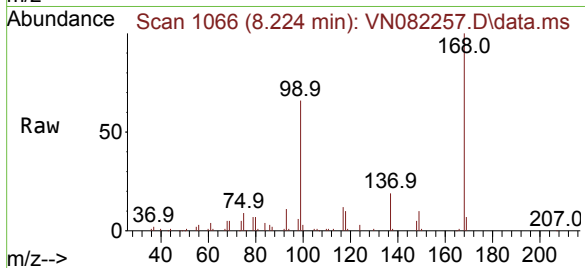




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

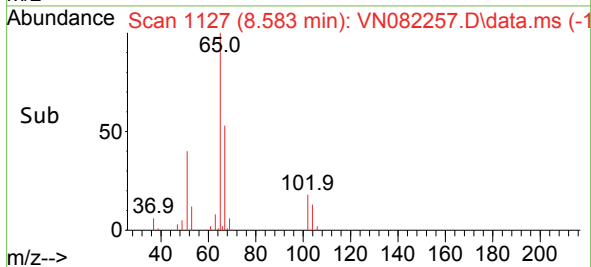
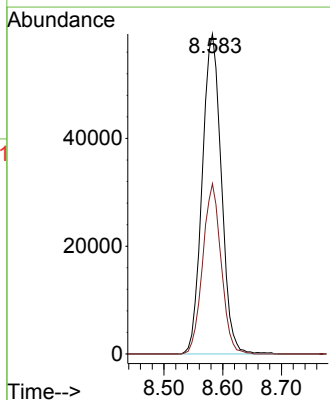
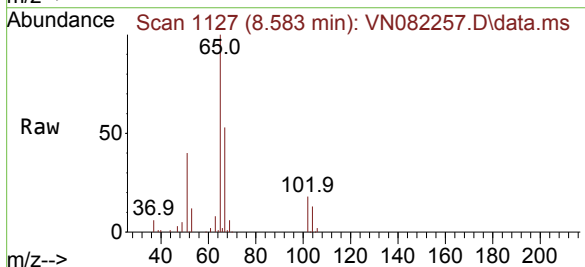
Instrument :
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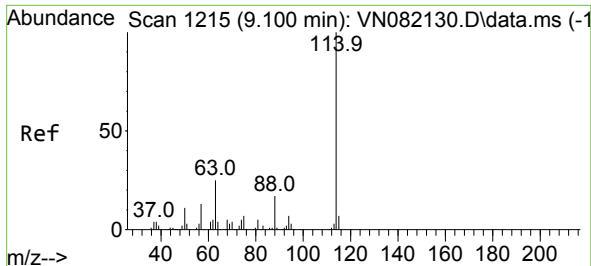
Tgt Ion: 56 Resp: 4981
Ion Ratio Lower Upper
56 100
69 164.8 24.4 36.6#
84 118.1 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 50.242 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion: 65 Resp: 134184
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL02

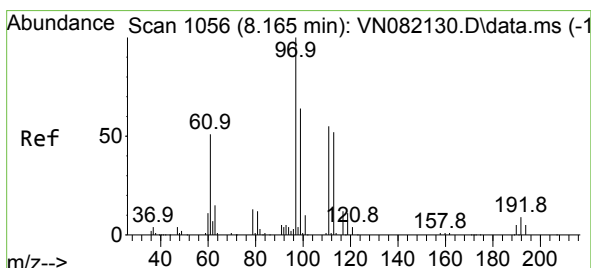
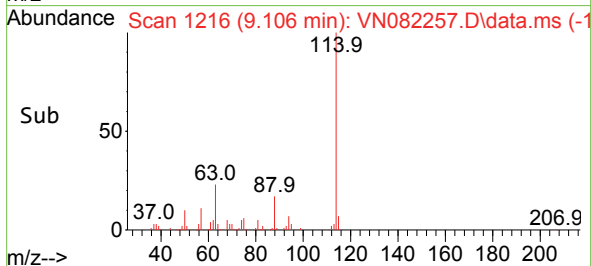
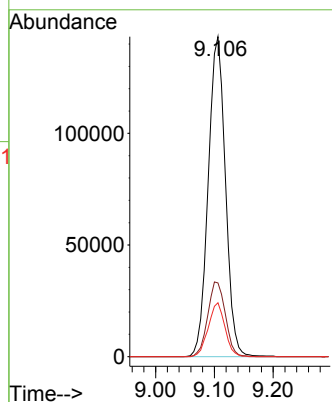
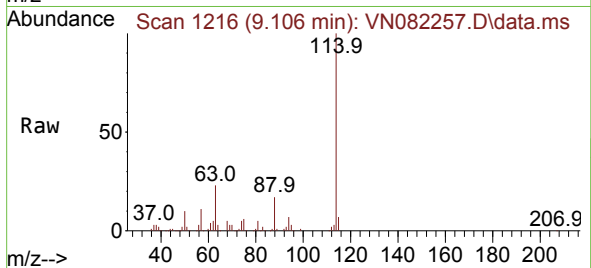
Tgt Ion:114 Resp: 291514

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.0

88 16.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.539 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

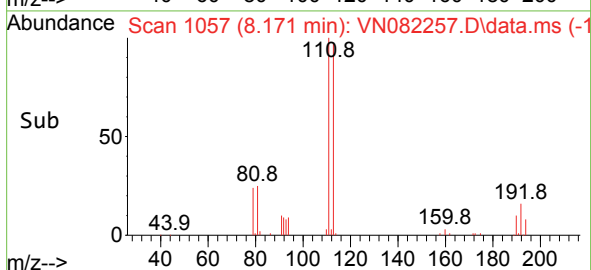
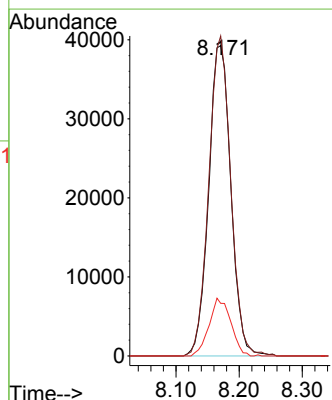
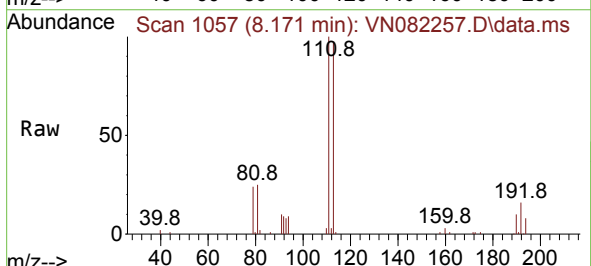
Tgt Ion:113 Resp: 96009

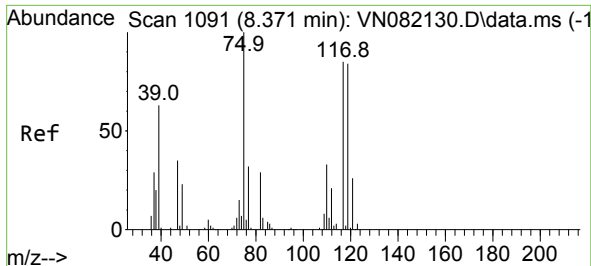
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 18.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.243 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL02

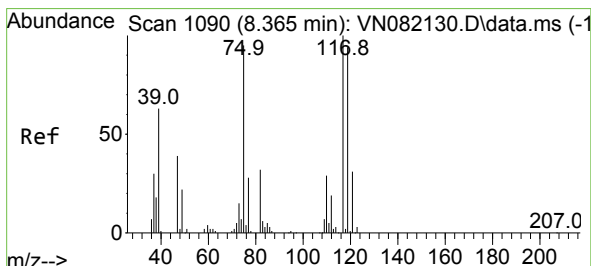
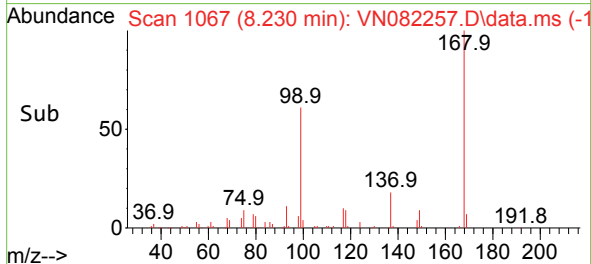
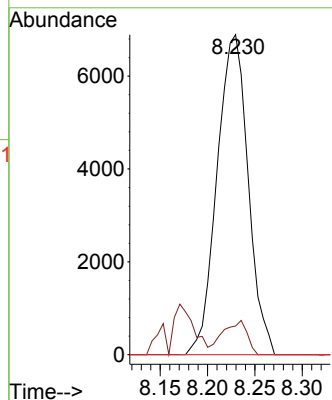
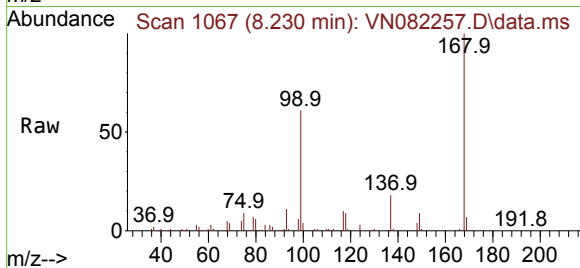
Tgt Ion: 75 Resp: 15768

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

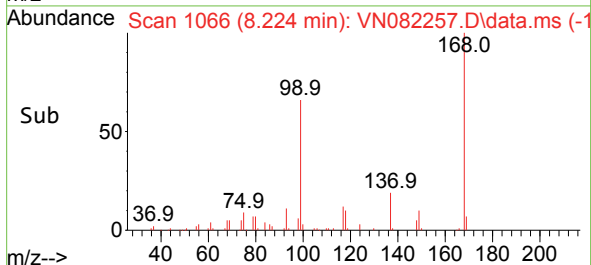
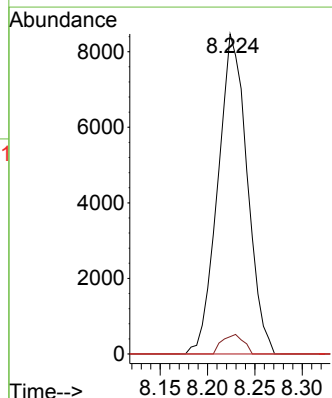
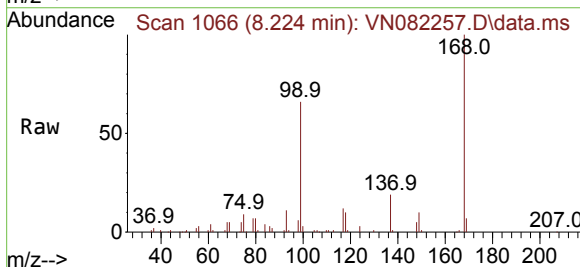
Tgt Ion: 117 Resp: 18252

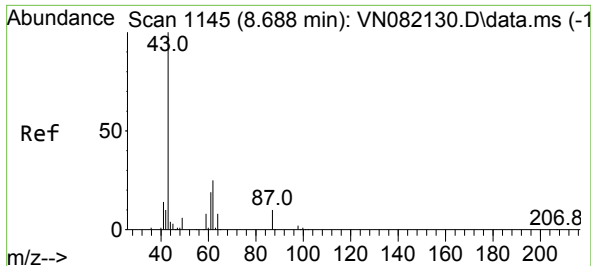
Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

121 0.0 23.9 35.9#

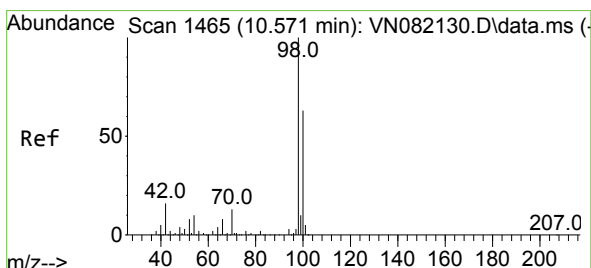
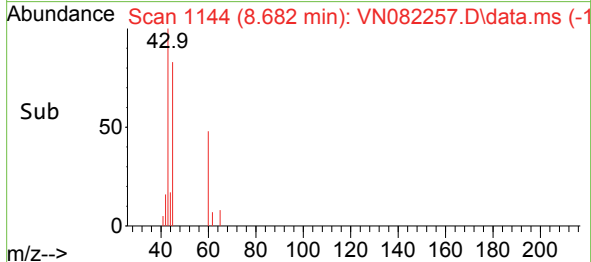
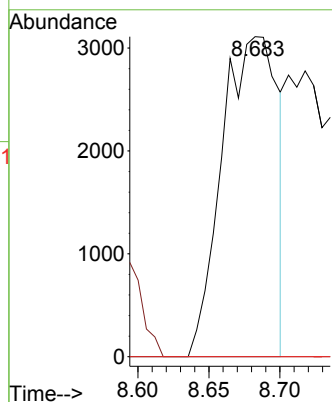
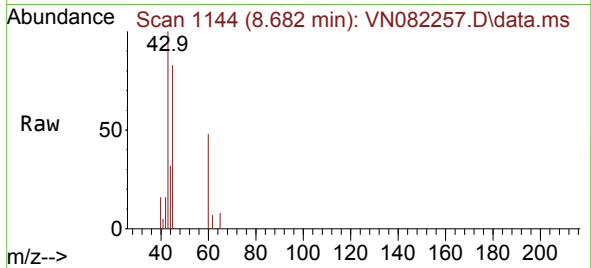




#43
Isopropyl Acetate
Concen: 1.420 ug/l
RT: 8.682 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

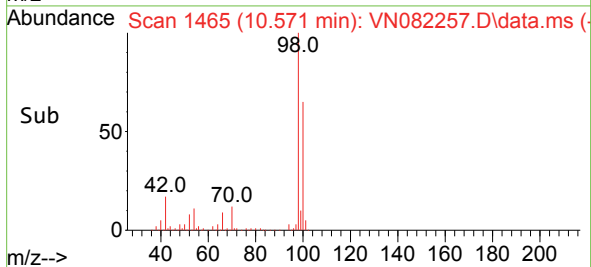
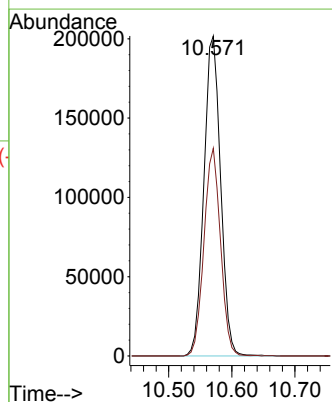
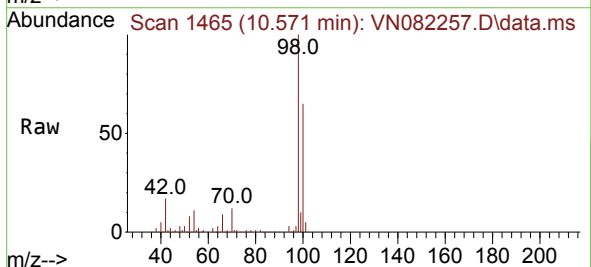
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

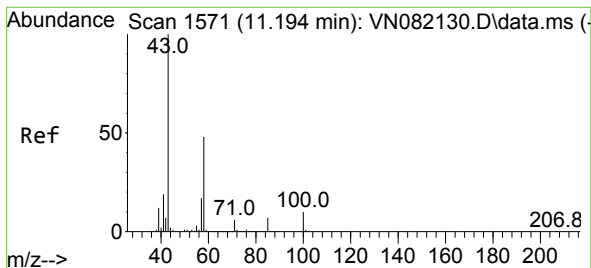
Tgt Ion: 43 Resp: 8470
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.020 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion: 98 Resp: 371397
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

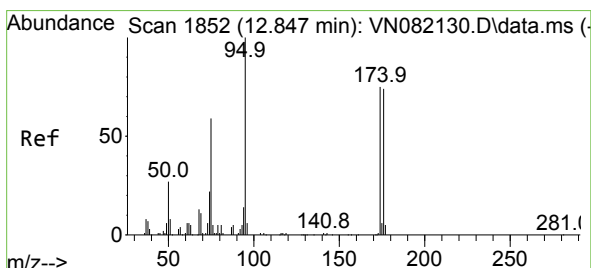
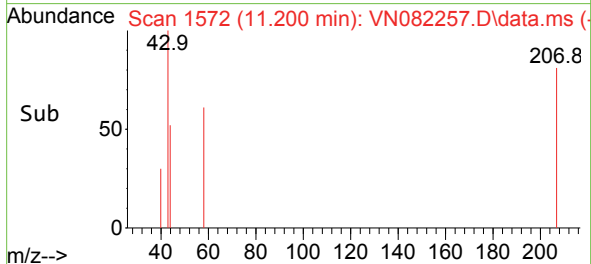
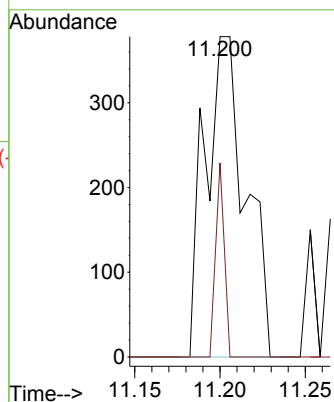
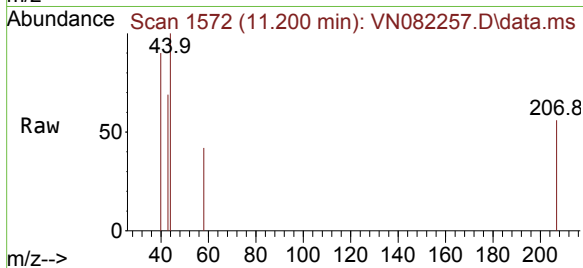




#59
2-Hexanone
Concen: 0.253 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

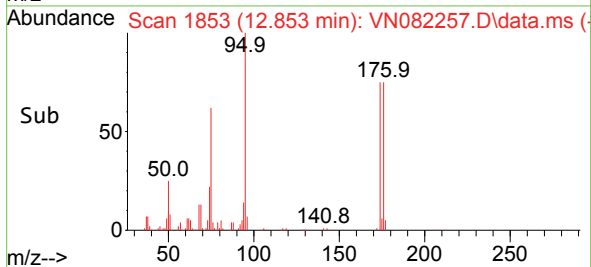
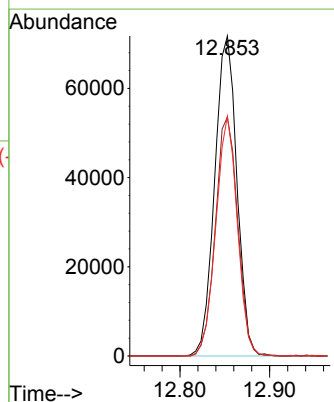
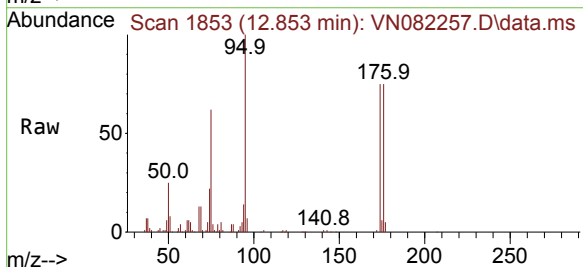
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

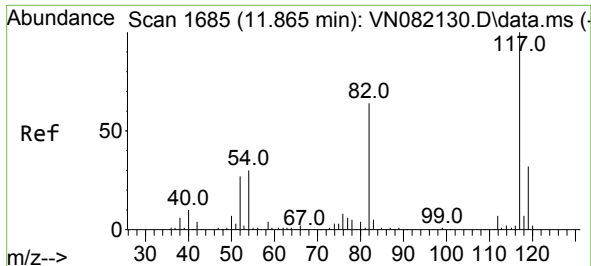
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 12.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.204 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion: 95 Resp: 123197
Ion Ratio Lower Upper
95 100
174 75.4 0.0 160.6
176 72.3 0.0 152.8

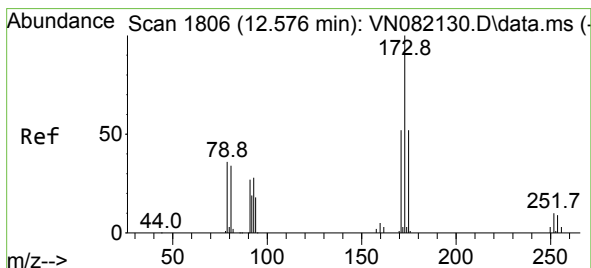
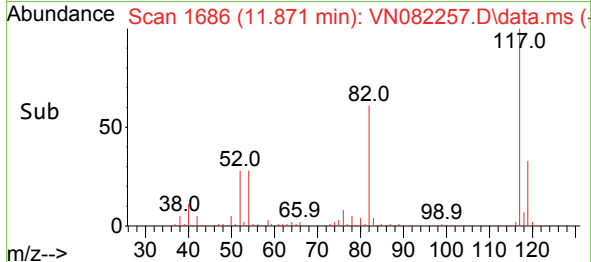
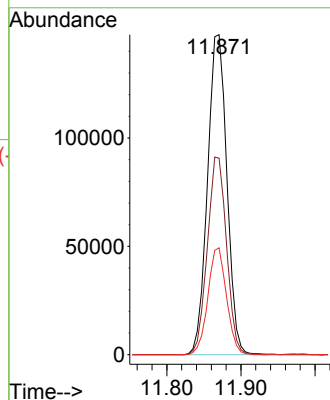
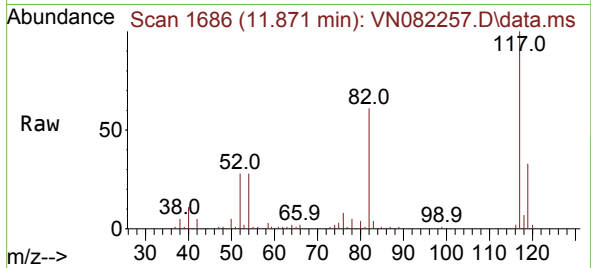




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

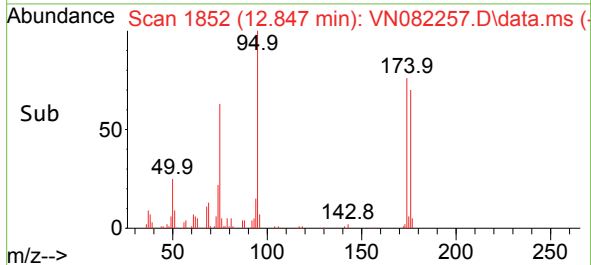
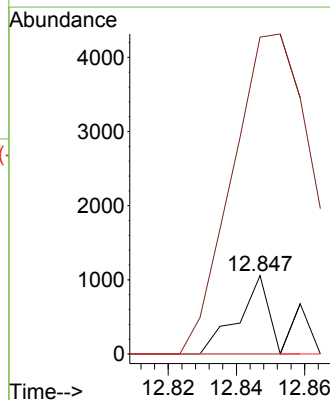
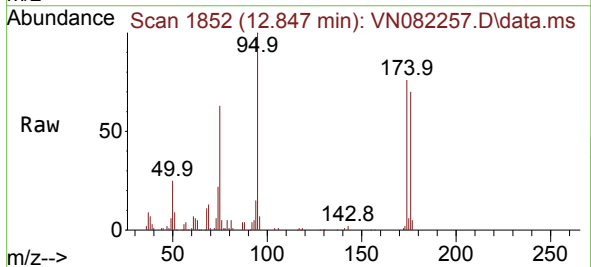
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

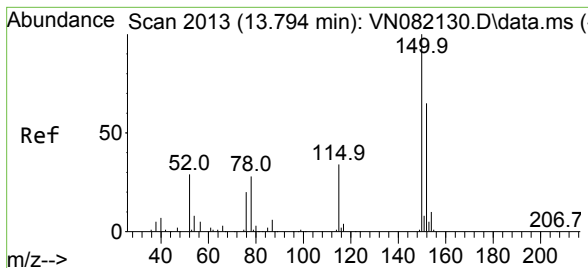
Tgt Ion:117 Resp: 268514
Ion Ratio Lower Upper
117 100
82 61.4 44.6 66.8
119 33.4 25.9 38.9



#71
Bromoform
Concen: 1.115 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion:173 Resp: 652
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

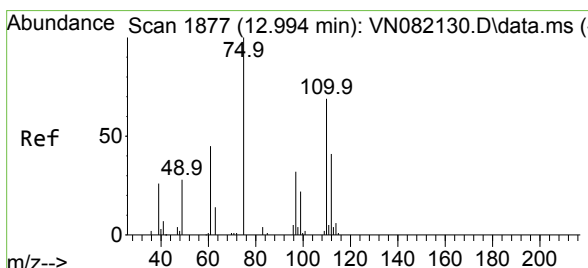
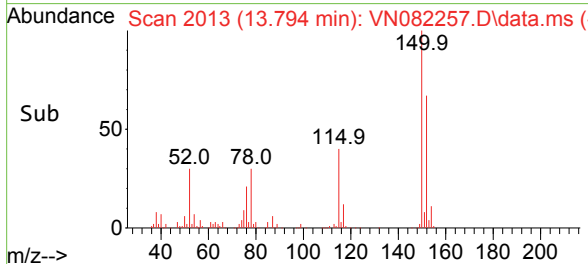
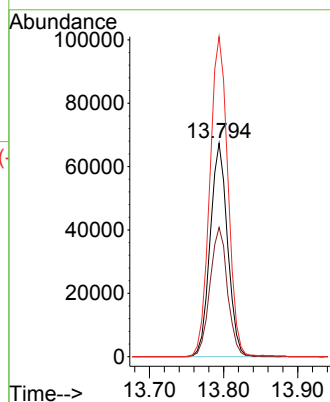
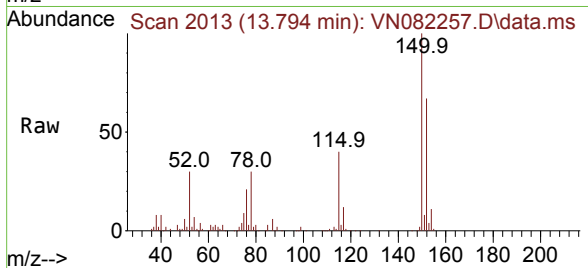




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082257.D
 Acq: 21 May 2024 22:44

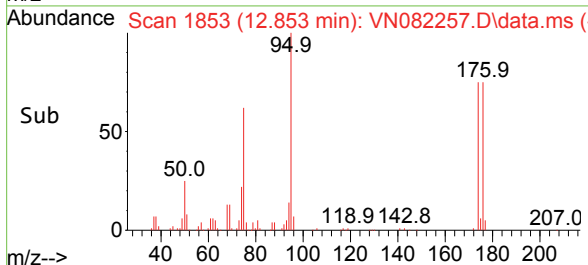
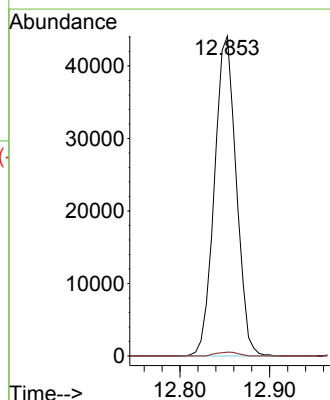
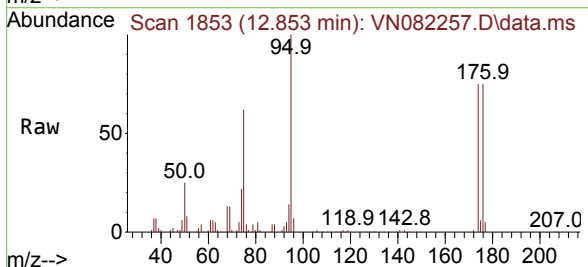
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL02

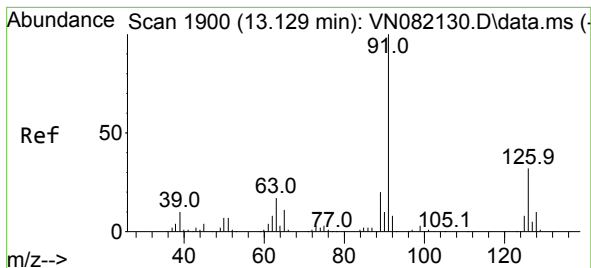
Tgt Ion:152 Resp: 109959
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.4 91.3
 150 156.1 0.0 353.2



#76
 1,2,3-Trichloropropane
 Concen: 32.174 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082257.D
 Acq: 21 May 2024 22:44

Tgt Ion: 75 Resp: 74462
 Ion Ratio Lower Upper
 75 100
 77 1.2 90.5 271.3#





#79

2-Chlorotoluene

Concen: 0.217 ug/l

RT: 13.223 min Scan# 1900

Delta R.T. 0.094 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

Instrument :

MSVOA_N

ClientSampleId :

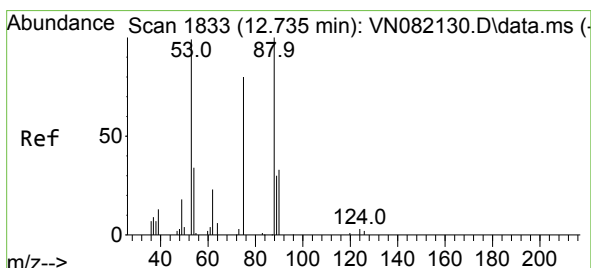
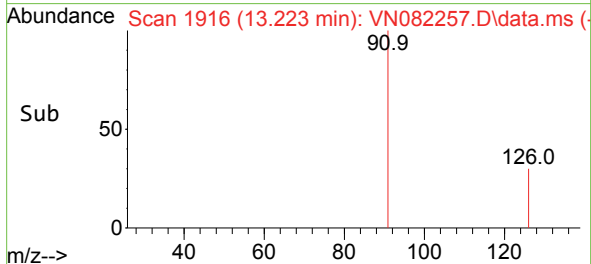
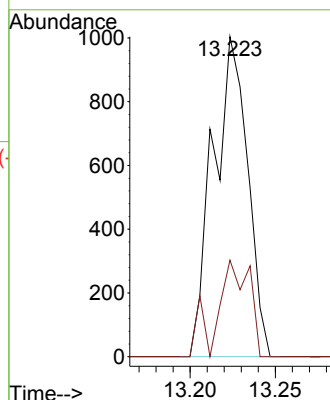
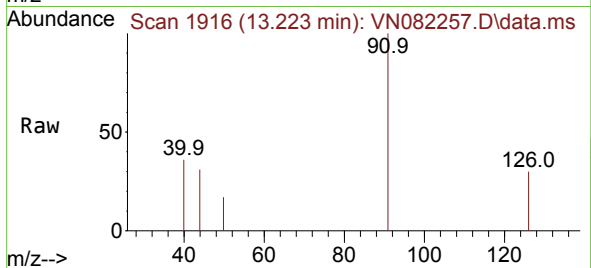
VN0521MBL02

Tgt Ion: 91 Resp: 1410

Ion Ratio Lower Upper

91 100

126 28.9 17.5 52.5



#81

trans-1,4-Dichloro-2-butene

Concen: 75.253 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

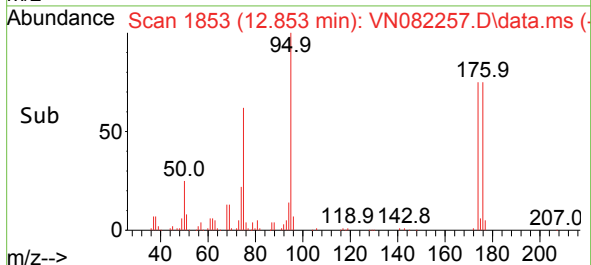
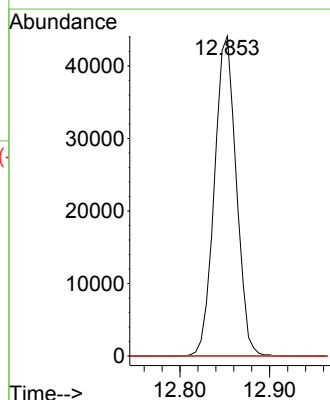
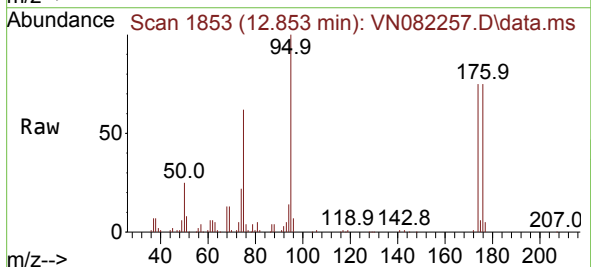
Tgt Ion: 75 Resp: 74462

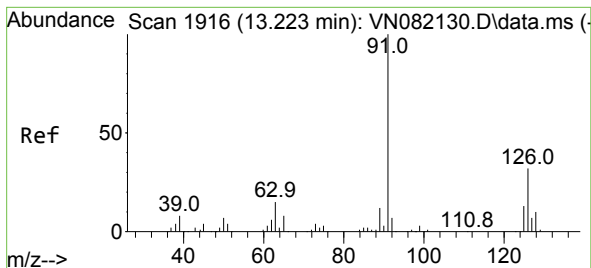
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

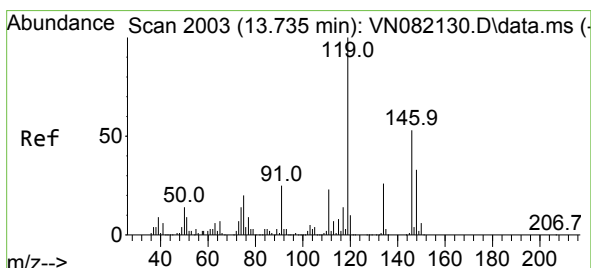
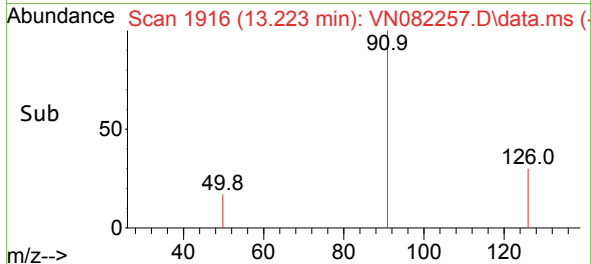
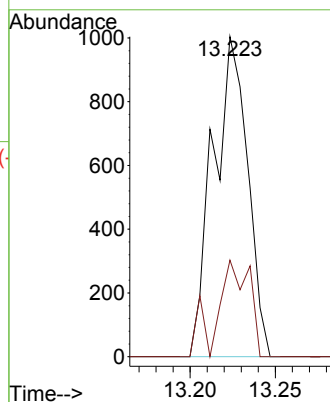
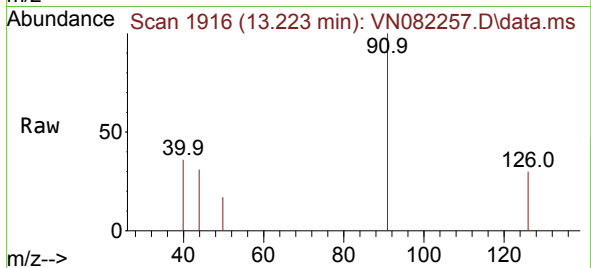




#82
4-Chlorotoluene
Concen: 0.222 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

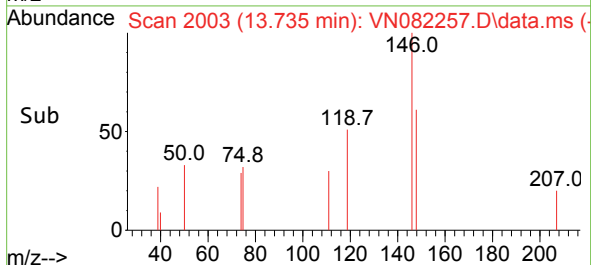
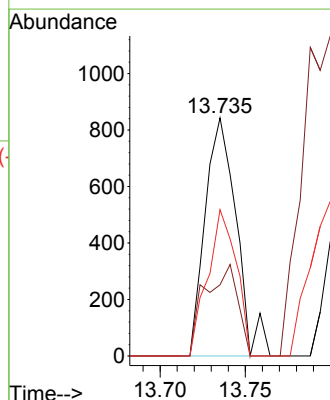
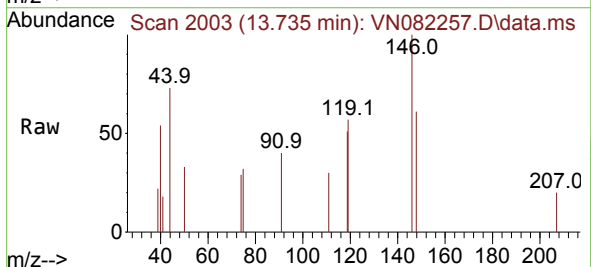
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

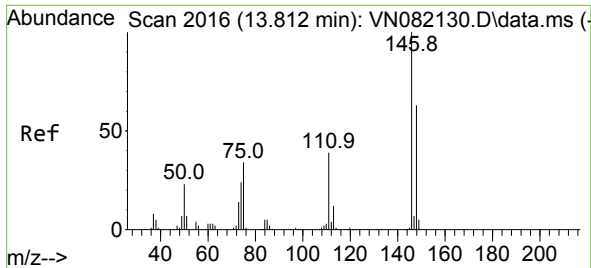
Tgt Ion: 91 Resp: 1410
Ion Ratio Lower Upper
91 100
126 28.9 17.4 52.3



#87
1,3-Dichlorobenzene
Concen: 0.284 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion: 146 Resp: 1071
Ion Ratio Lower Upper
146 100
111 40.1 20.8 62.5
148 56.5 32.1 96.3

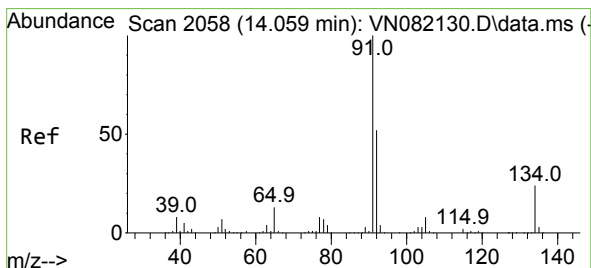
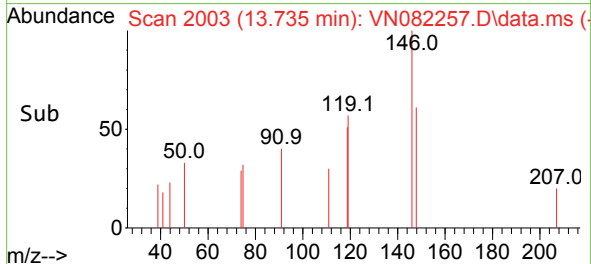
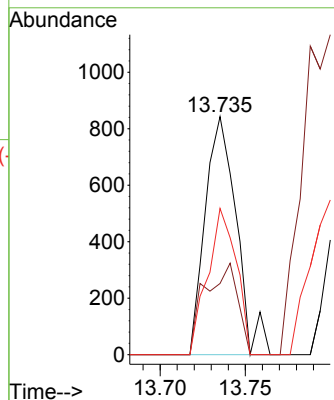
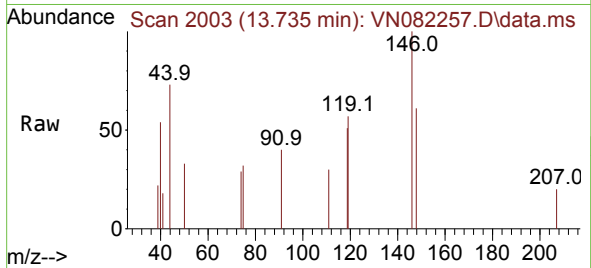




#88
1,4-Dichlorobenzene
Concen: 0.278 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

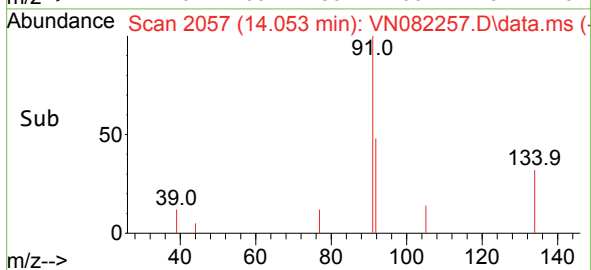
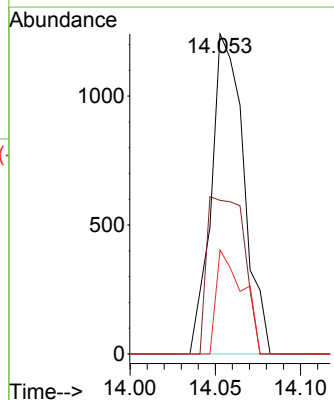
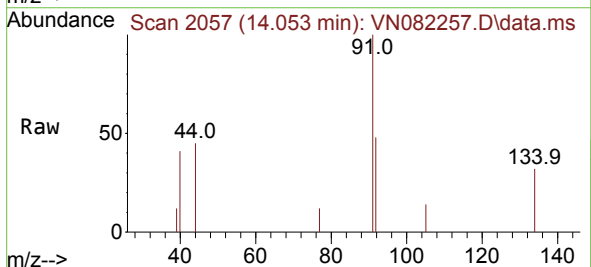
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

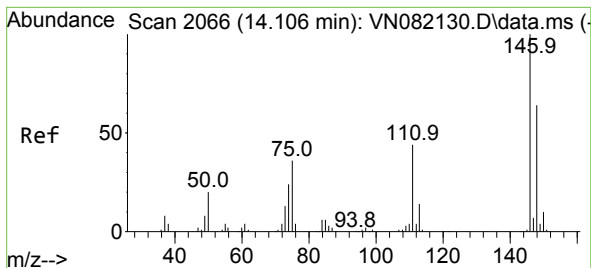
Tgt Ion:146	Resp:	1071
Ion	Ratio	Lower Upper
146	100	
111	40.1	19.3 57.9
148	56.5	31.3 93.9



#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion: 91	Resp:	1645
Ion	Ratio	Lower Upper
91	100	
92	56.1	26.2 78.5
134	26.7	13.2 39.5





#91

1,2-Dichlorobenzene

Concen: 0.261 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL02

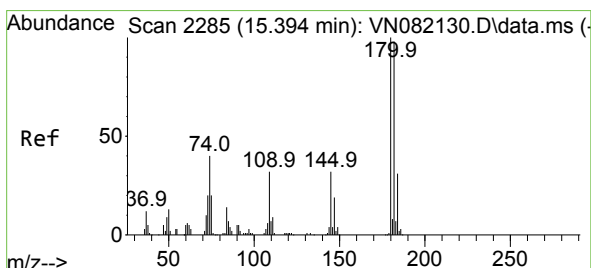
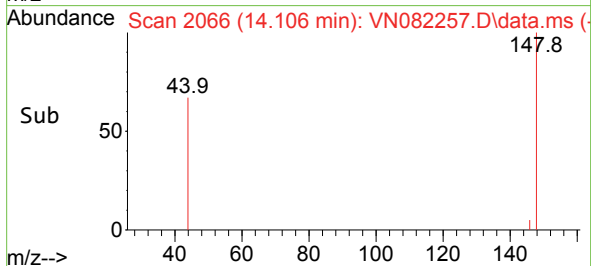
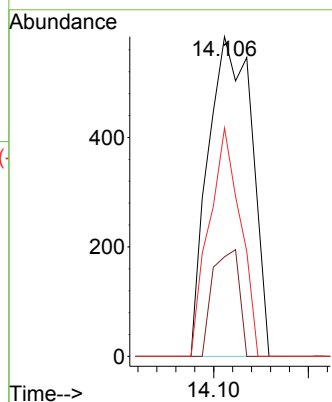
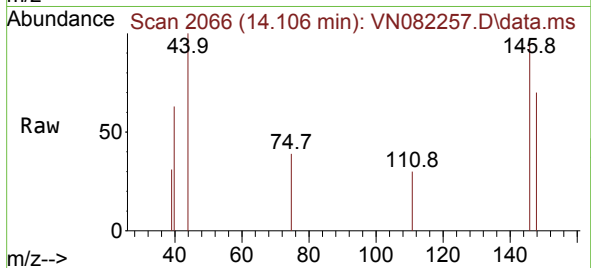
Tgt Ion:146 Resp: 931

Ion Ratio Lower Upper

146 100

111 20.5 21.3 64.0#

148 51.7 31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 0.728 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN082257.D

Acq: 21 May 2024 22:44

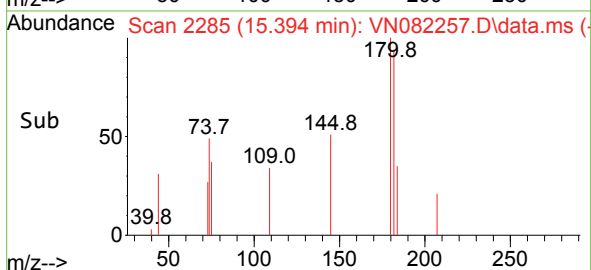
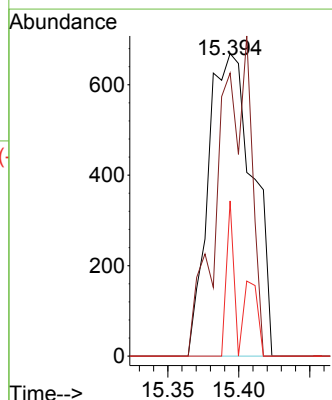
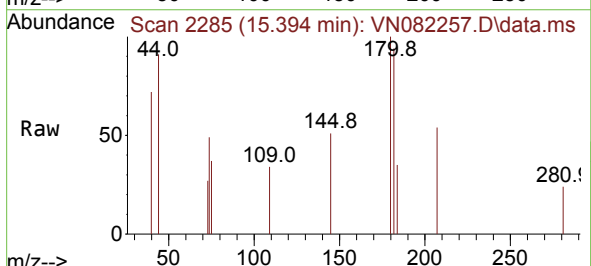
Tgt Ion:180 Resp: 1456

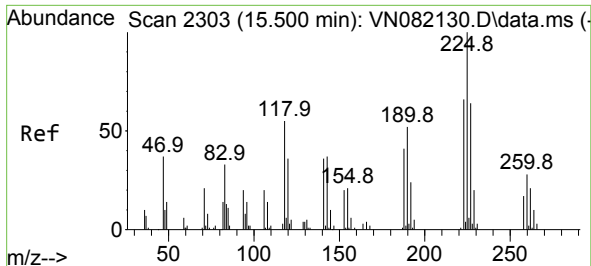
Ion Ratio Lower Upper

180 100

182 77.7 46.7 140.0

145 16.1 16.2 48.6#

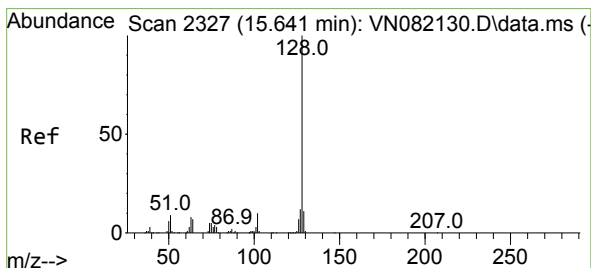
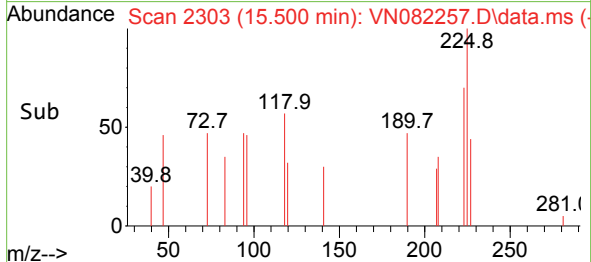
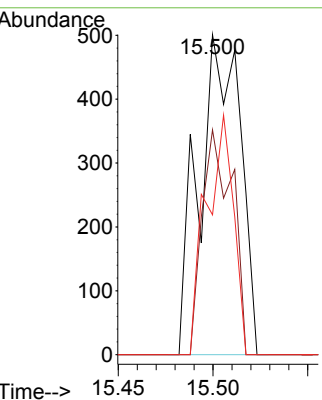
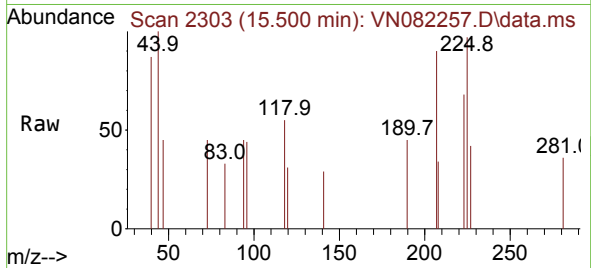




#94
Hexachlorobutadiene
Concen: 0.861 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

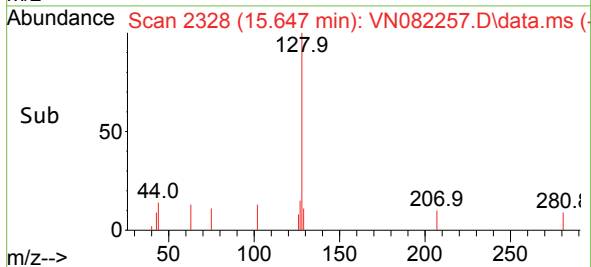
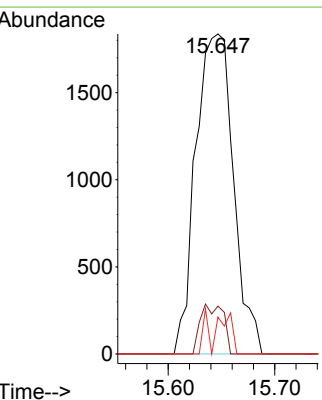
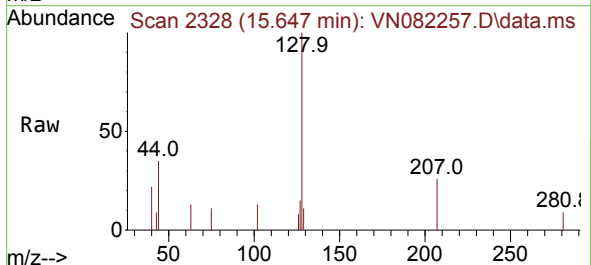
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL02

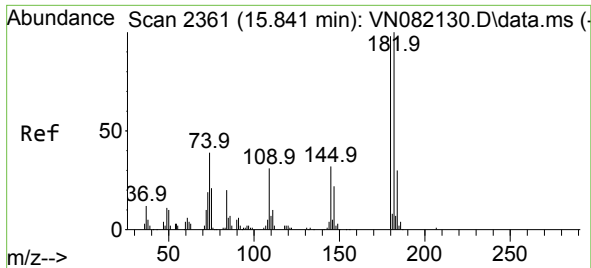
Tgt Ion:225	Resp:	756
Ion Ratio	Lower	Upper
225	100	
223	51.5	31.1 93.2
227	49.5	30.6 91.6



#95
Naphthalene
Concen: 0.721 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082257.D
Acq: 21 May 2024 22:44

Tgt Ion:128	Resp:	4520
Ion Ratio	Lower	Upper
128	100	
127	9.5	10.1 15.1#
129	2.0	8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.866 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082257.D
 Acq: 21 May 2024 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL02

Tgt Ion:	180	Resp:	1735
Ion	Ratio	Lower	Upper
180	100		
182	88.9	46.0	137.8
145	27.3	17.1	51.3

