

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082230.D
 Acq On : 21 May 2024 10:46
 Operator : JC\MD
 Sample : VN0521MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL01

Quant Time: May 22 01:22:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

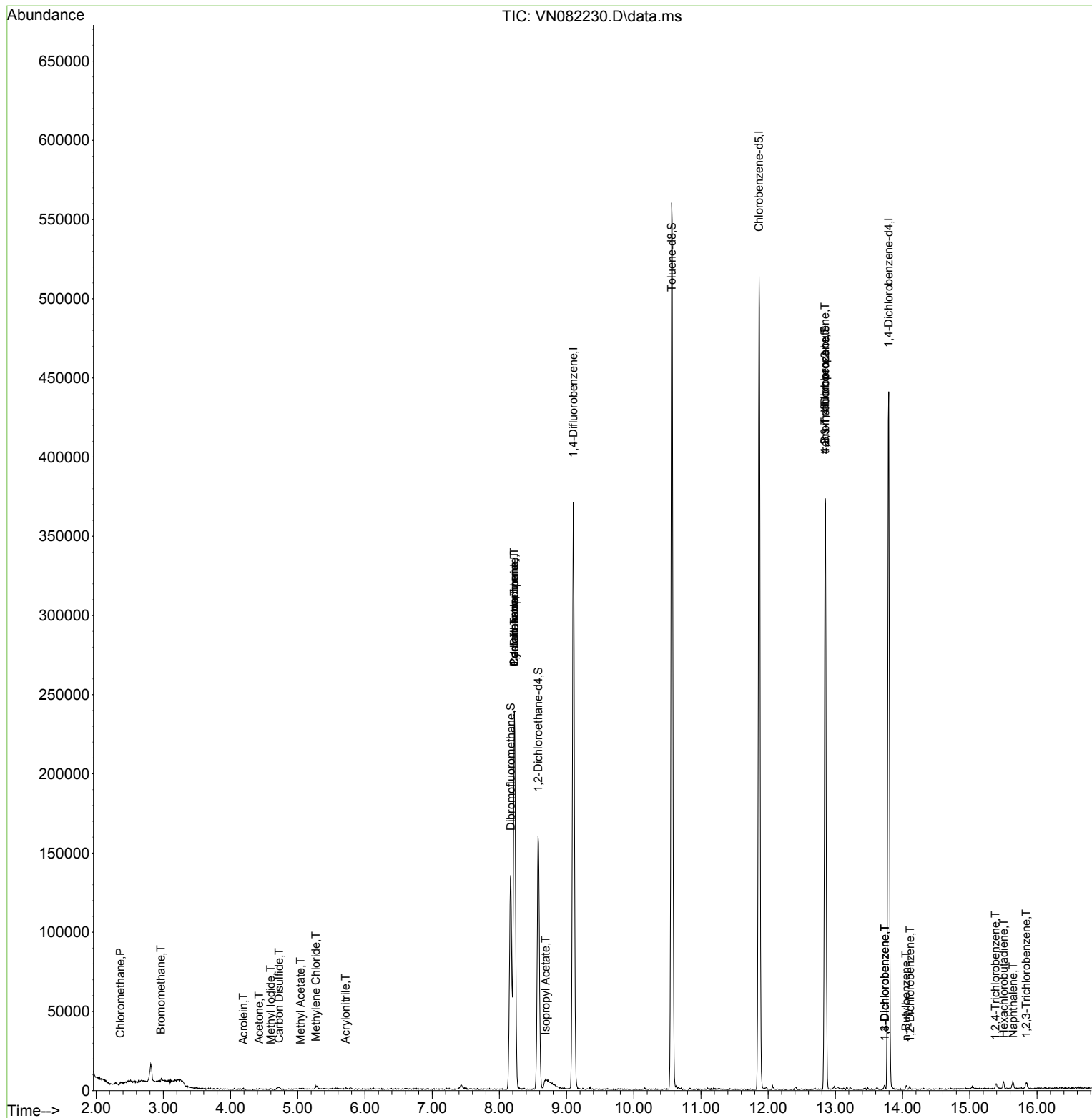
Internal Standards						
1) Pentafluorobenzene	8.224	168	165019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134498	51.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.171	113	94874	53.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.380%			
50) Toluene-d8	10.565	98	366655	54.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.240%			
62) 4-Bromofluorobenzene	12.847	95	122252	50.554	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.100%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	668	0.248	ug/l #	43
5) Bromomethane	2.965	94	1013	0.695	ug/l #	69
10) Methyl Iodide	4.600	142	641	0.329	ug/l #	40
13) Acrolein	4.189	56	315	1.016	ug/l #	66
15) Acrylonitrile	5.712	53	266	0.246	ug/l #	10
16) Acetone	4.424	43	904	0.846	ug/l #	43
17) Carbon Disulfide	4.724	76	2910	0.500	ug/l #	74
18) Methyl Acetate	5.042	43	675	0.254	ug/l #	47
20) Methylene Chloride	5.271	84	574	0.266	ug/l #	84
31) Cyclohexane	8.224	56	4722	1.135	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	15810	5.334	ug/l #	47
38) Carbon Tetrachloride	8.224	117	17559	5.844	ug/l #	15
43) Isopropyl Acetate	8.688	43	4438	0.755	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	70300	29.726	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70300	69.528	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1025	0.266	ug/l	79
88) 1,4-Dichlorobenzene	13.735	146	1025	0.261	ug/l	81
89) n-Butylbenzene	14.053	91	1828	0.286	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	968	0.265	ug/l	79
93) 1,2,4-Trichlorobenzene	15.382	180	1478	0.723	ug/l	92
94) Hexachlorobutadiene	15.506	225	913	1.018	ug/l	97
95) Naphthalene	15.647	128	4602	0.718	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	1473	0.720	ug/l	73

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

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
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VN0521MBL01

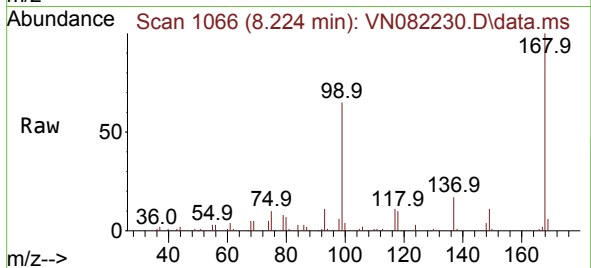
Quant Time: May 22 01:22:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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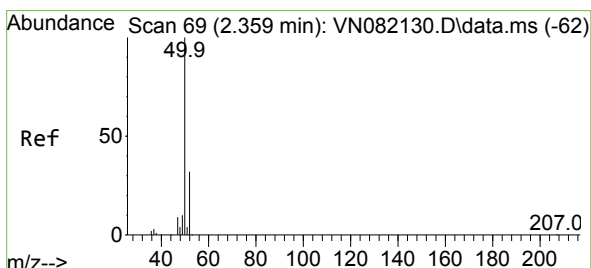
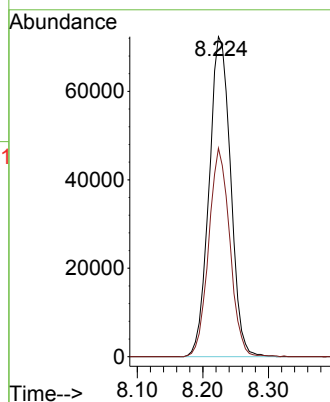
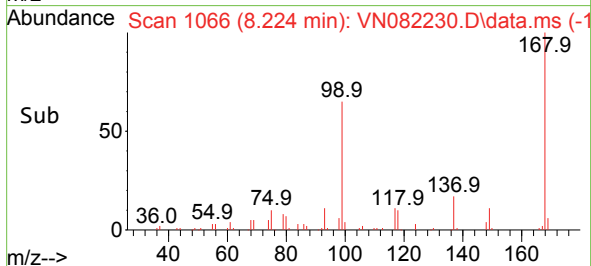


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

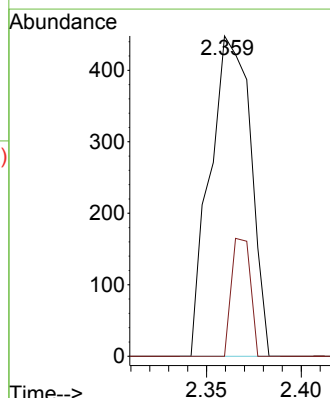
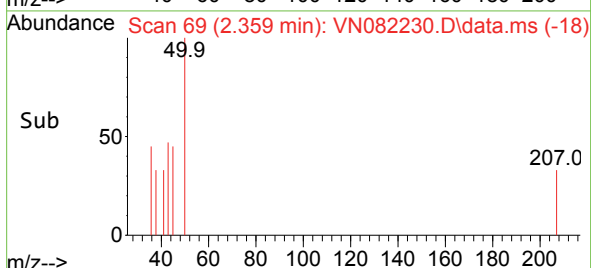
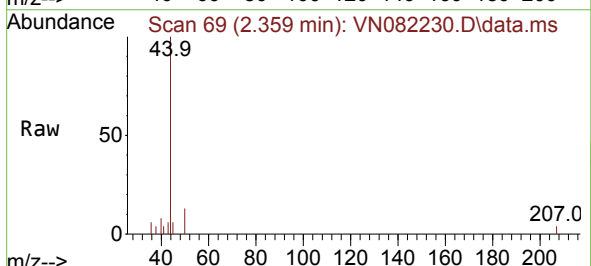


Tgt Ion:168 Resp: 165019
Ion Ratio Lower Upper
168 100
99 65.2 48.2 72.4



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 50 Resp: 668
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

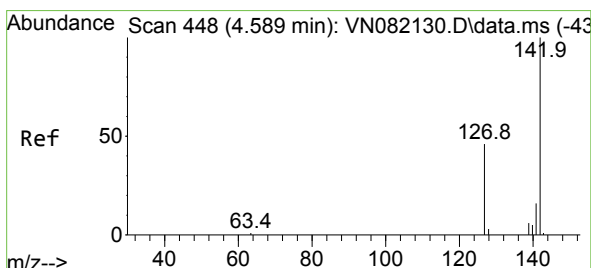
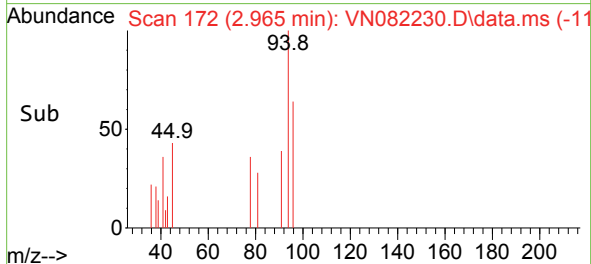
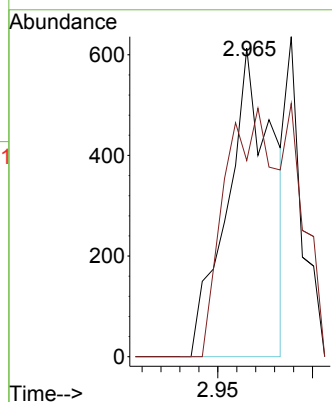
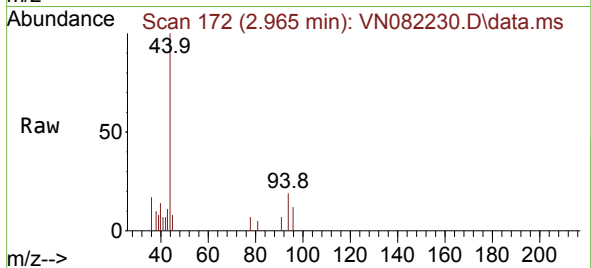




#5
Bromomethane
Concen: 0.695 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

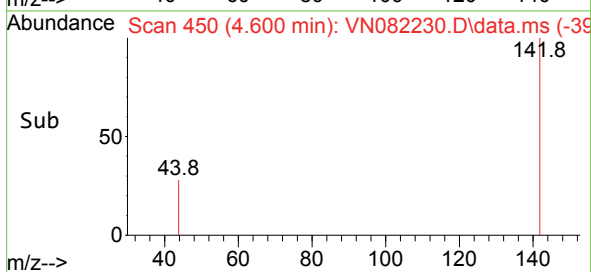
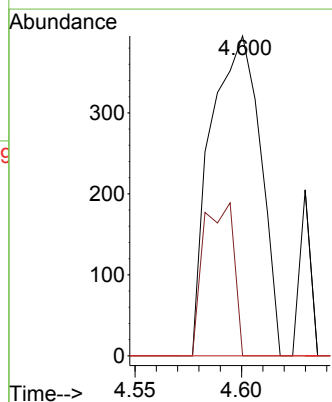
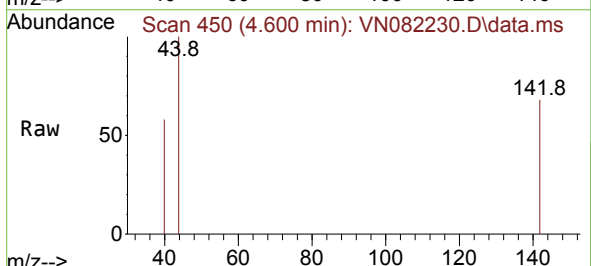
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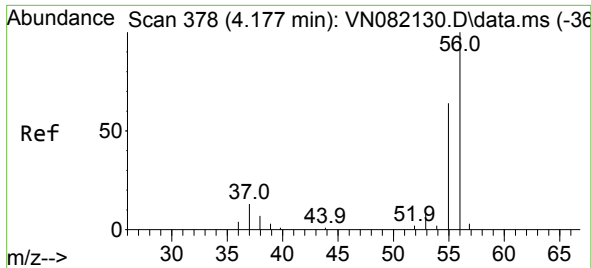
Tgt Ion: 94 Resp: 1013
Ion Ratio Lower Upper
94 100
96 63.6 74.8 112.2#



#10
Methyl Iodide
Concen: 0.329 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 142 Resp: 641
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 1.016 ug/l

RT: 4.189 min Scan# 315

Delta R.T. 0.012 min

Lab File: VN082230.D

Acq: 21 May 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

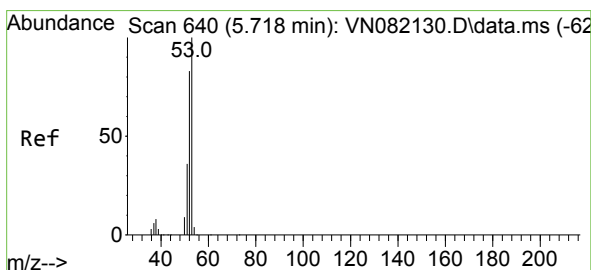
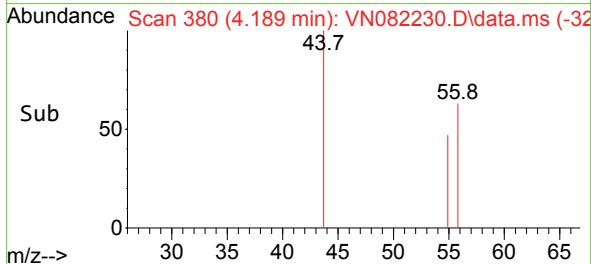
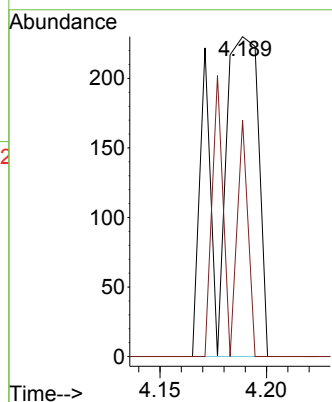
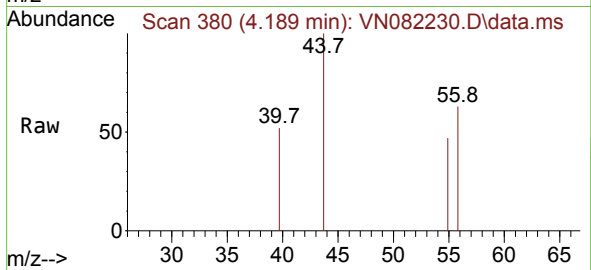
VN0521MBL01

Tgt Ion: 56 Resp: 315

Ion Ratio Lower Upper

56 100

55 41.6 55.8 83.8#



#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN082230.D

Acq: 21 May 2024 10:46

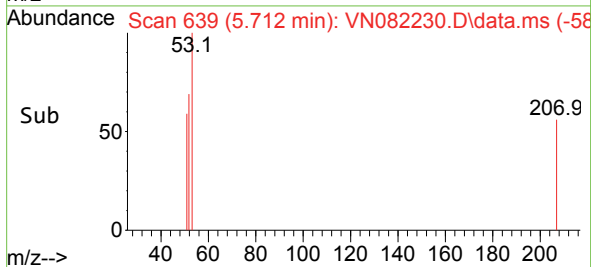
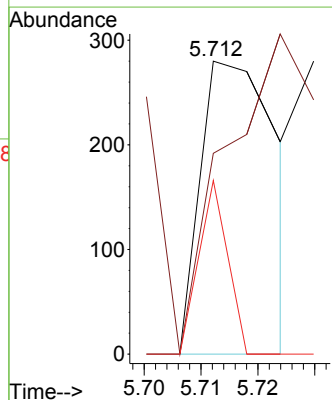
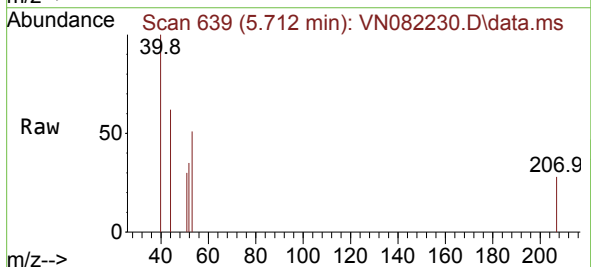
Tgt Ion: 53 Resp: 266

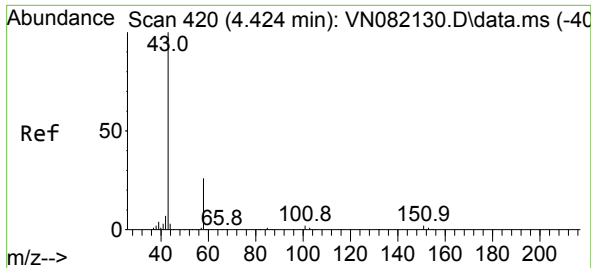
Ion Ratio Lower Upper

53 100

52 189.8 66.1 99.1#

51 22.2 29.4 44.2#

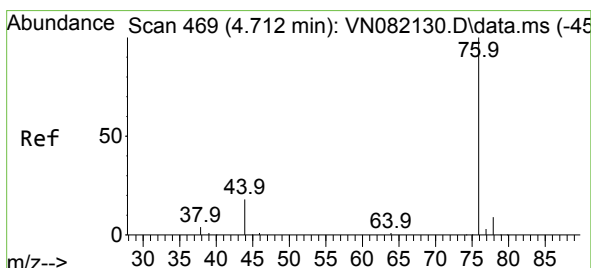
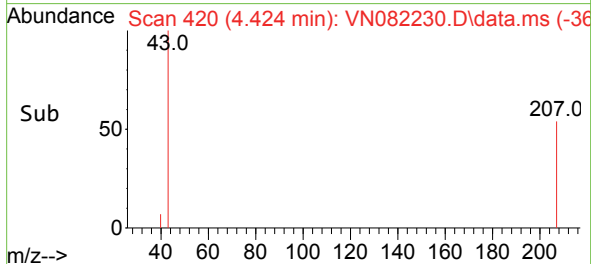
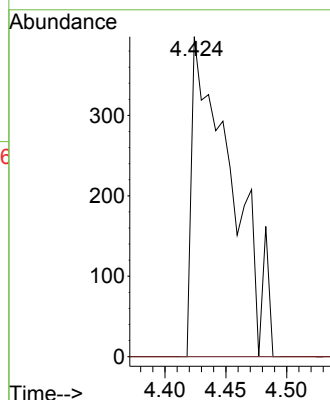
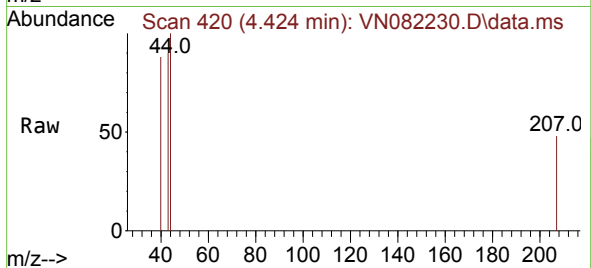




#16
Acetone
Concen: 0.846 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

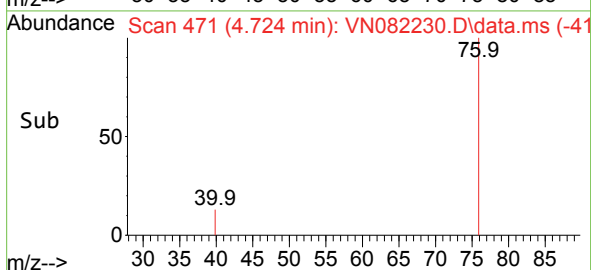
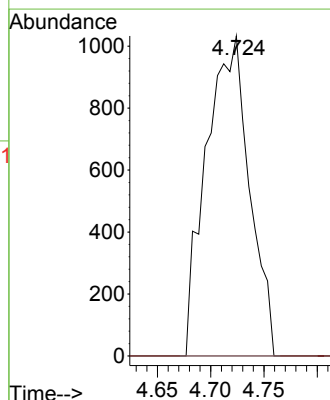
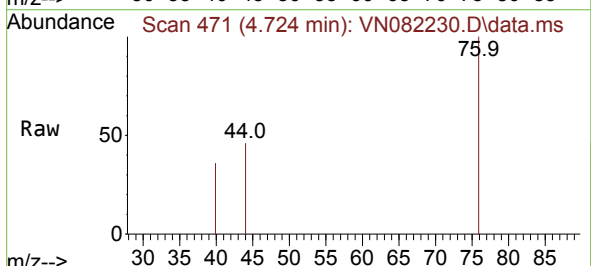
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

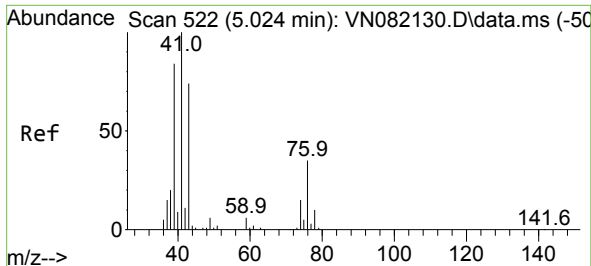
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 76 Resp: 2910
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

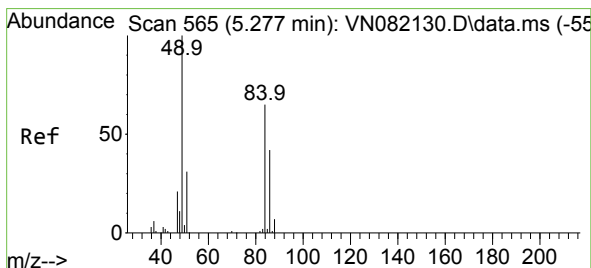
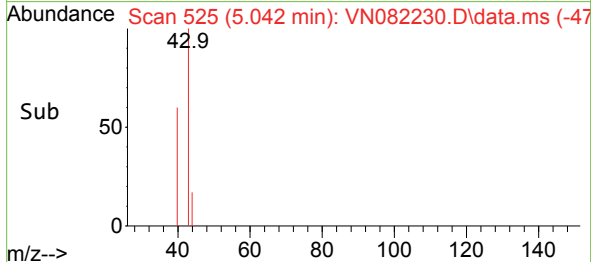
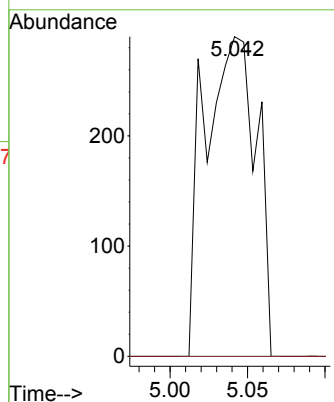
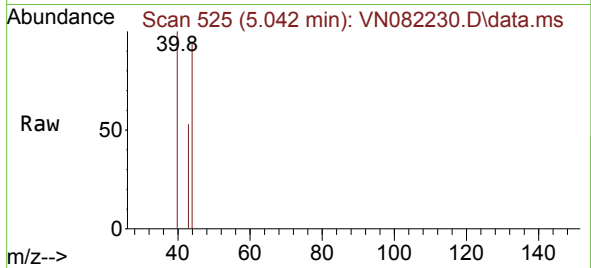




#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

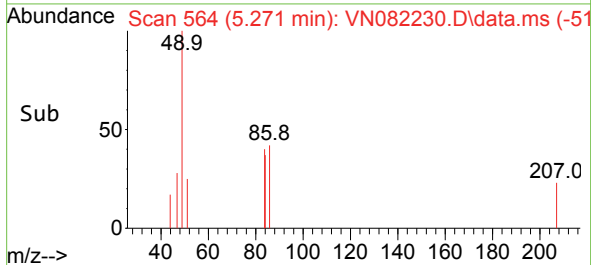
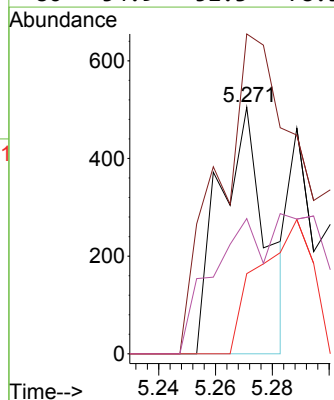
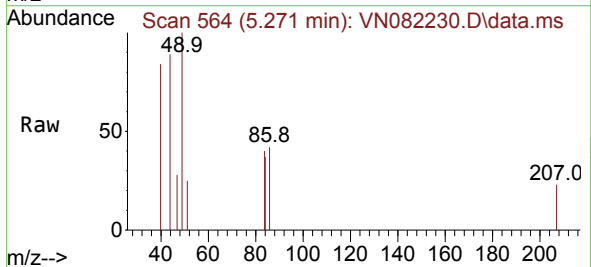
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

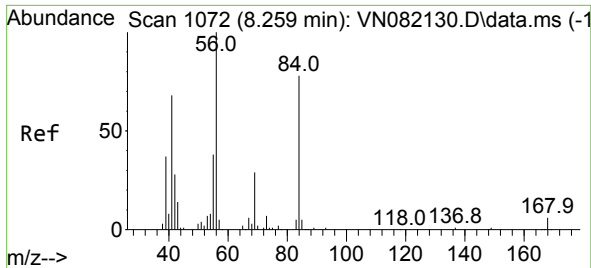
Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

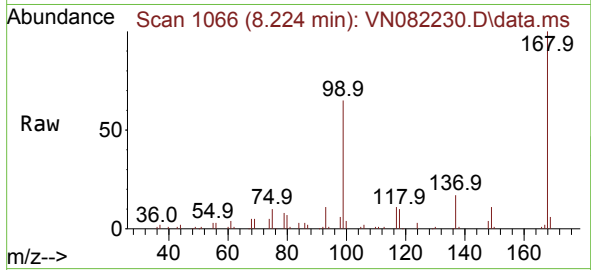
Tgt Ion: 84 Resp: 574
Ion Ratio Lower Upper
84 100
49 129.7 84.9 127.3#
51 32.5 27.0 40.6
86 54.9 52.3 78.5



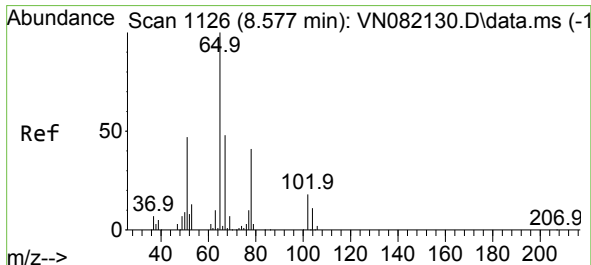
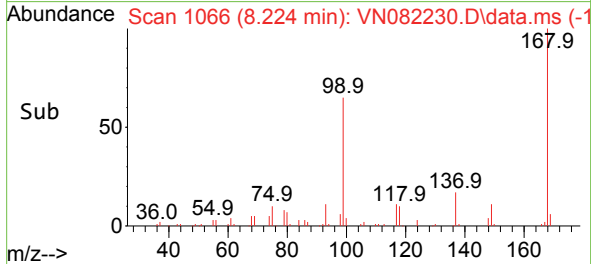
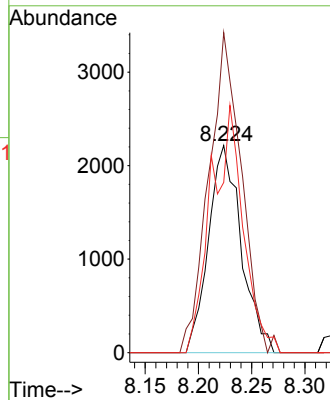


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

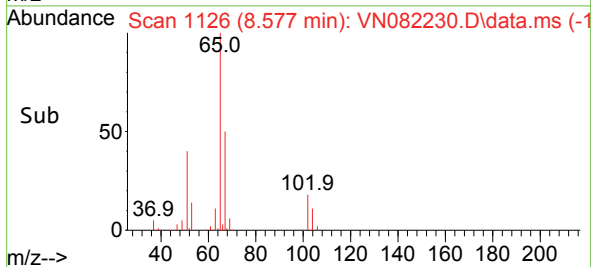
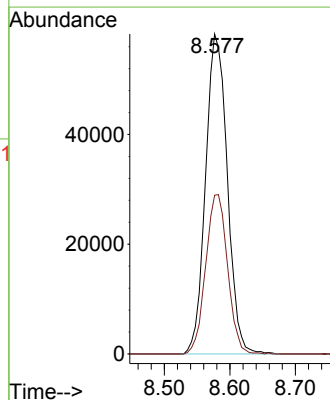
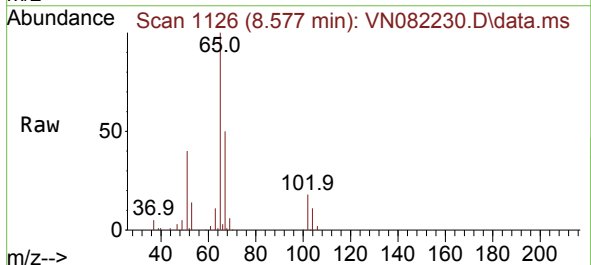


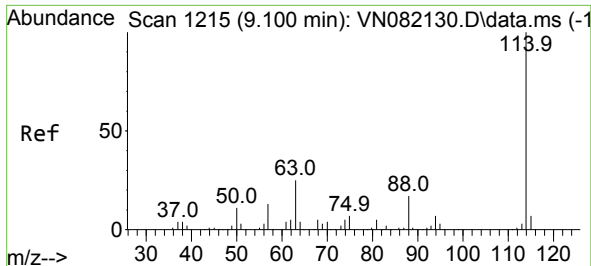
Tgt Ion: 56 Resp: 4722
Ion Ratio Lower Upper
56 100
69 154.5 24.4 36.6#
84 82.2 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.617 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 65 Resp: 134498
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.0

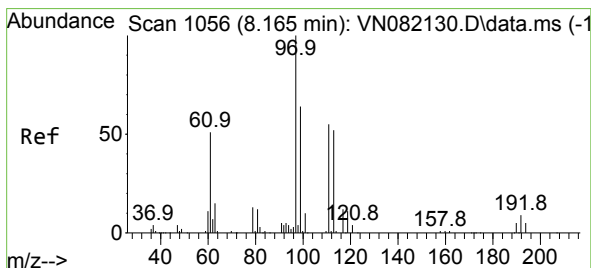
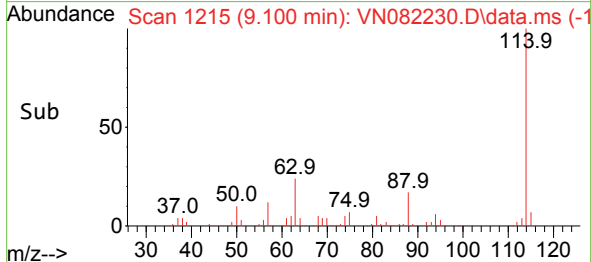
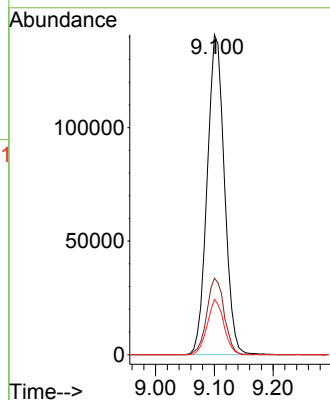
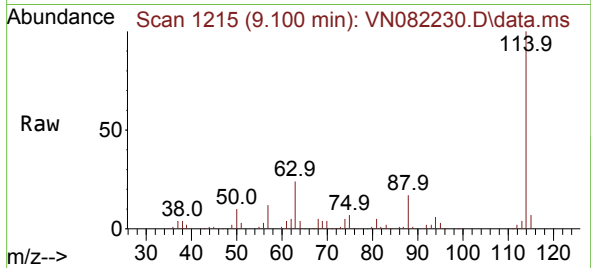




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

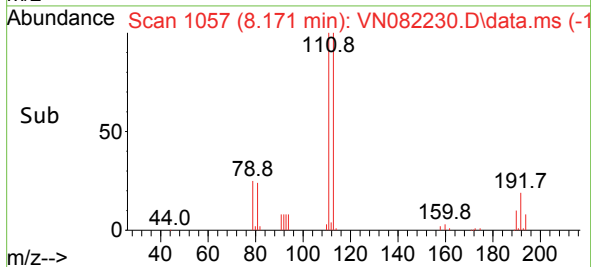
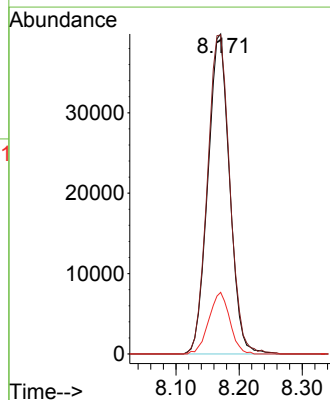
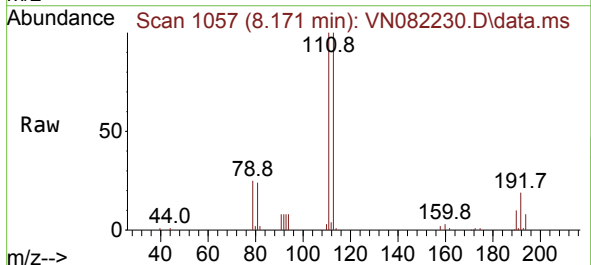
Instrument :
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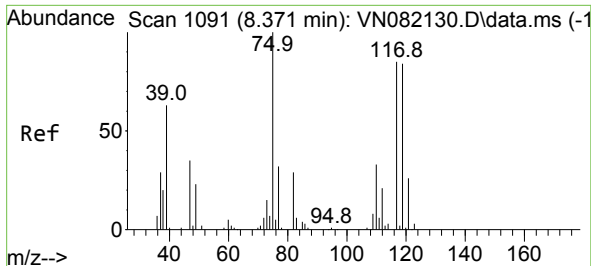
Tgt Ion:114 Resp: 287273
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.0
88 17.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.687 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion:113 Resp: 94874
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.6 14.0 21.0

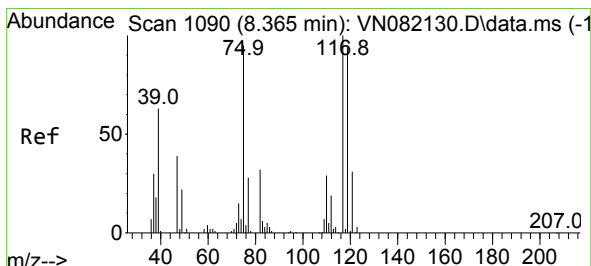
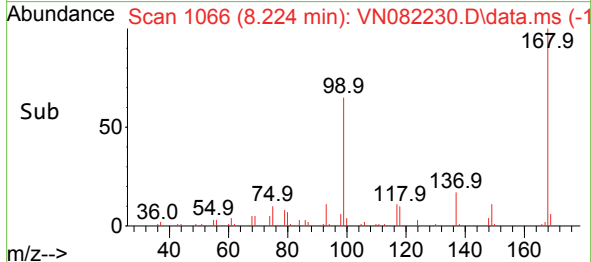
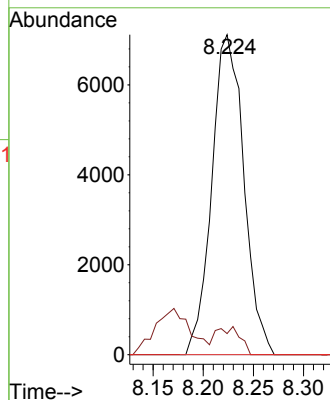
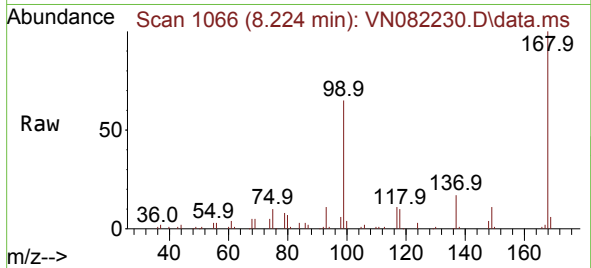




#36
1,1-Dichloropropene
Concen: 5.334 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

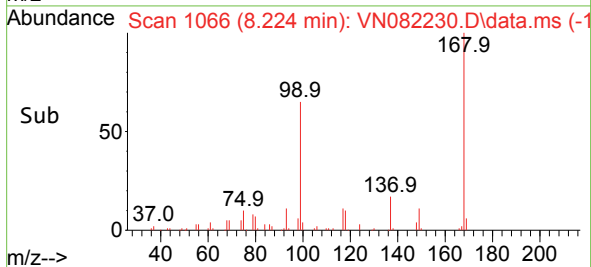
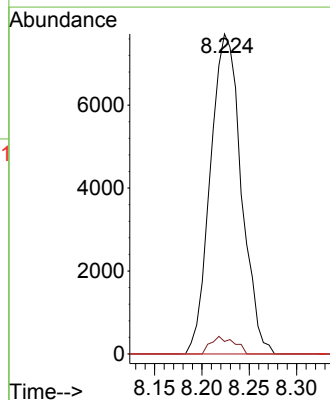
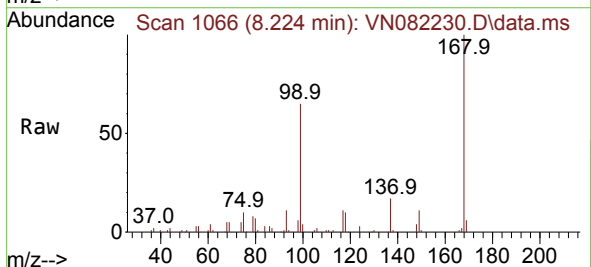
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

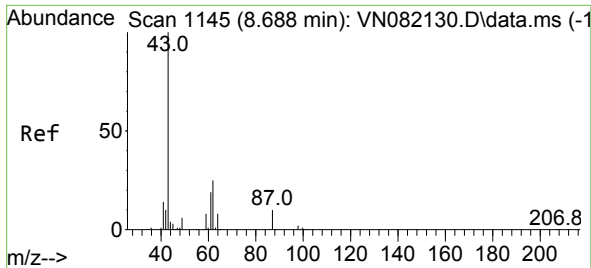
Tgt Ion: 75 Resp: 15810
Ion Ratio Lower Upper
75 100
110 6.5 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

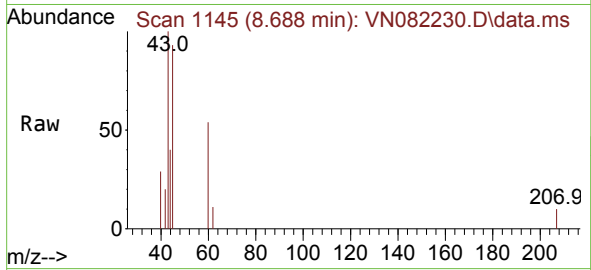
Tgt Ion: 117 Resp: 17559
Ion Ratio Lower Upper
117 100
119 3.9 76.5 114.7#
121 0.0 23.9 35.9#



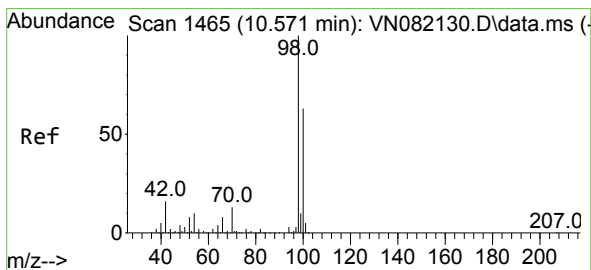
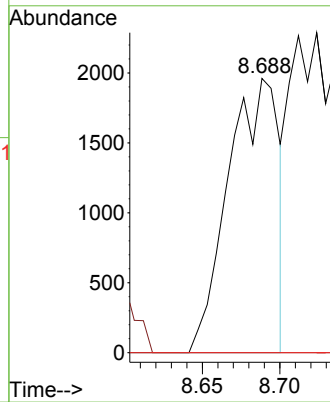
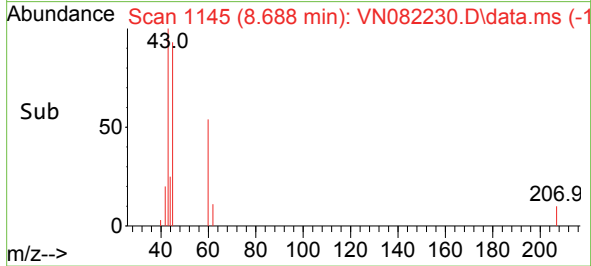


#43
Isopropyl Acetate
Concen: 0.755 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

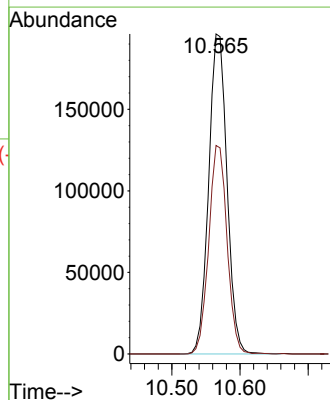
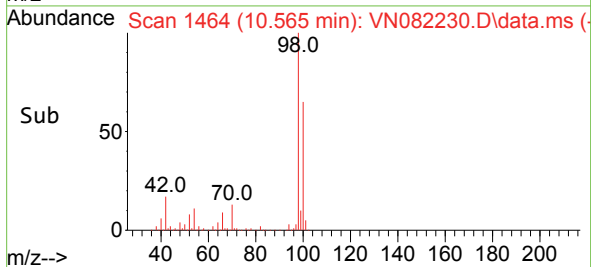
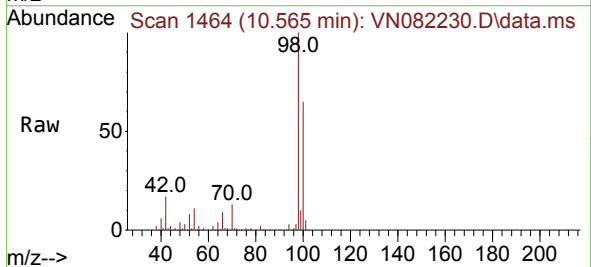


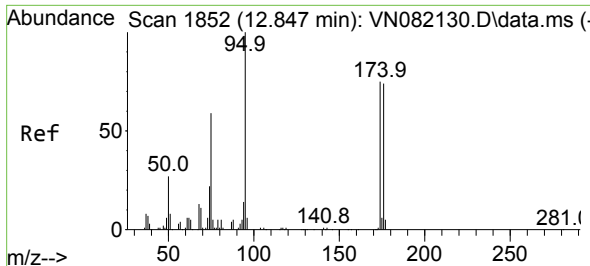
Tgt Ion: 43 Resp: 4438
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.117 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 98 Resp: 366655
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6

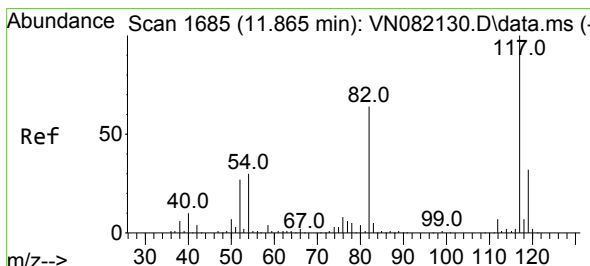
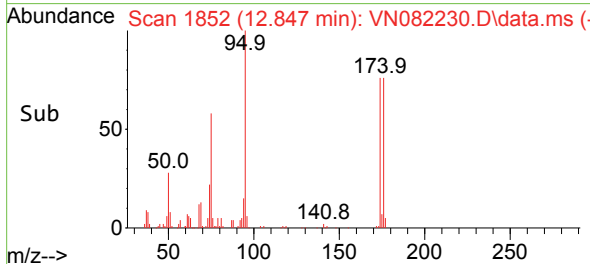
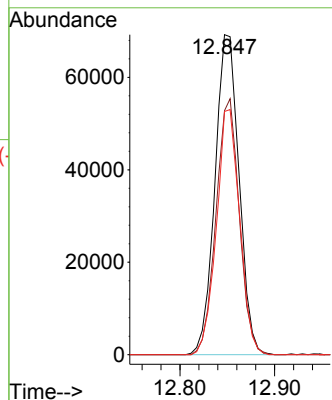
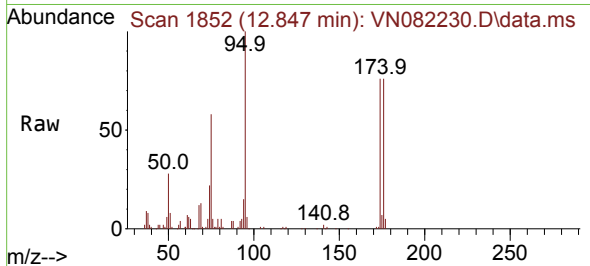




#62
4-Bromofluorobenzene
Concen: 50.554 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

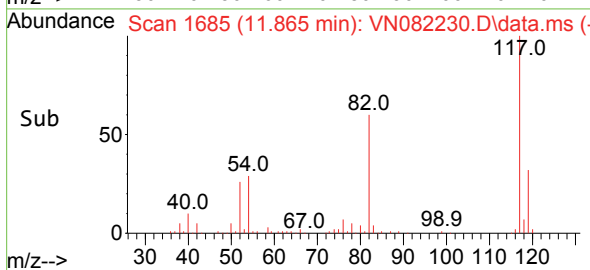
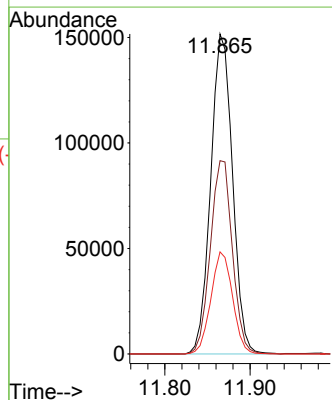
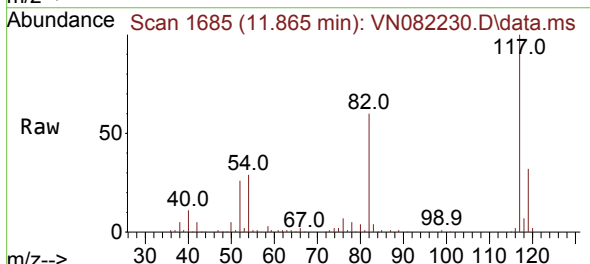
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

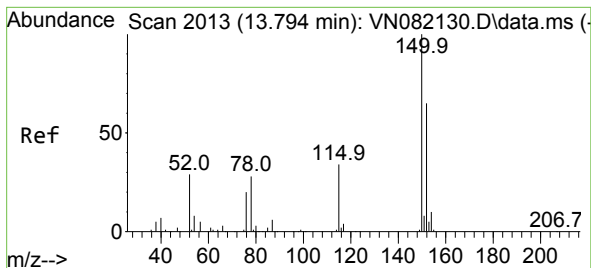
Tgt Ion: 95 Resp: 122252
Ion Ratio Lower Upper
95 100
174 77.3 0.0 160.6
176 74.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 117 Resp: 269617
Ion Ratio Lower Upper
117 100
82 60.4 44.6 66.8
119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082230.D

Acq: 21 May 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL01

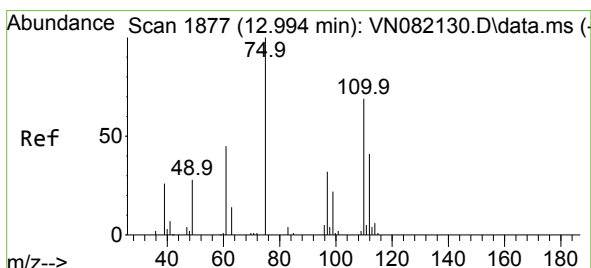
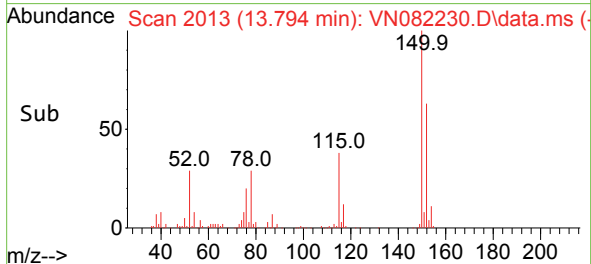
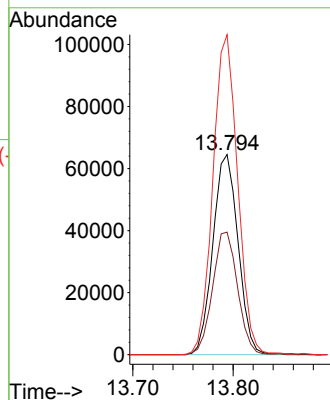
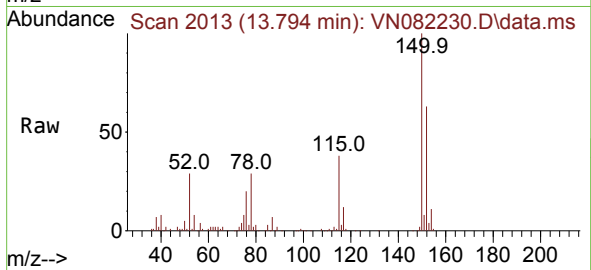
Tgt Ion:152 Resp: 112361

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.3

150 157.0 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 29.726 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082230.D

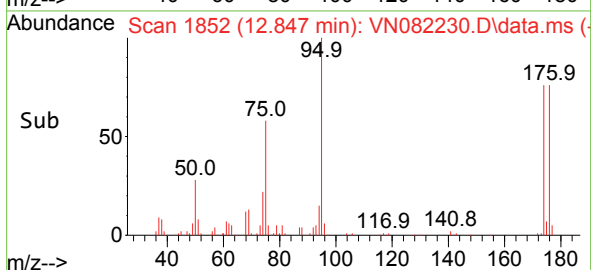
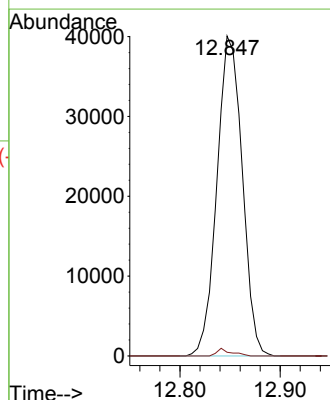
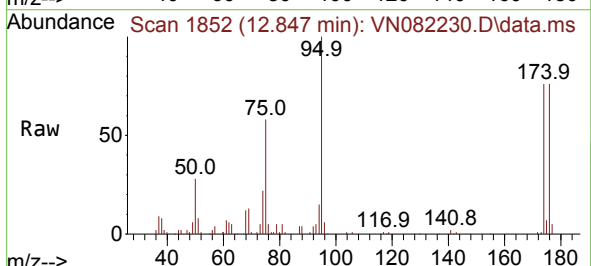
Acq: 21 May 2024 10:46

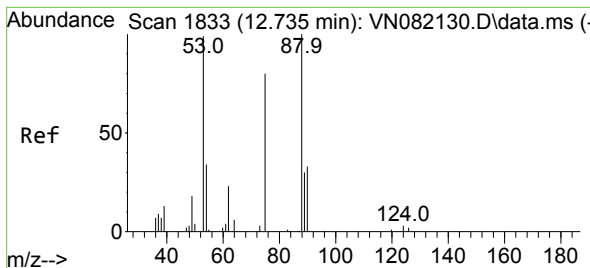
Tgt Ion: 75 Resp: 70300

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#

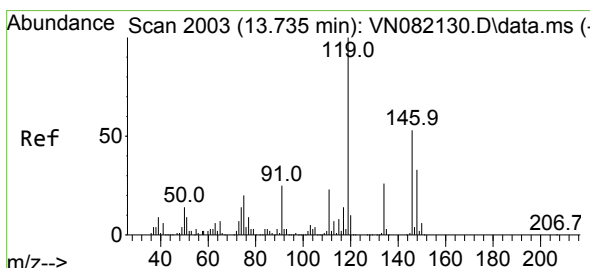
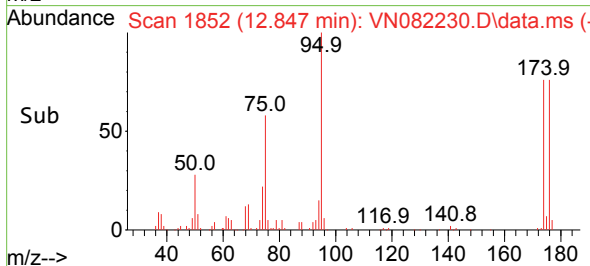
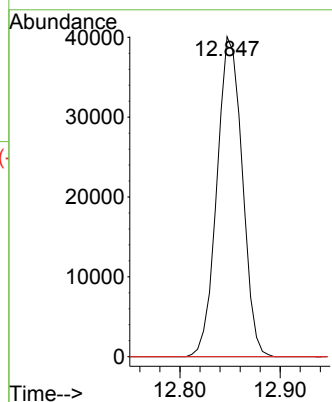
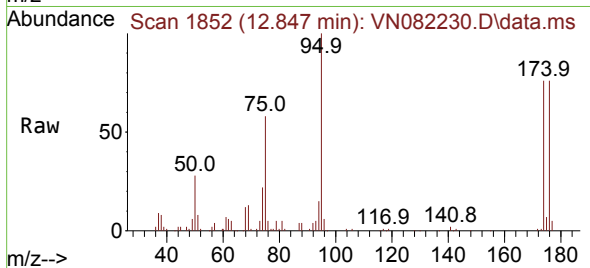




#81
trans-1,4-Dichloro-2-butene
Concen: 69.528 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

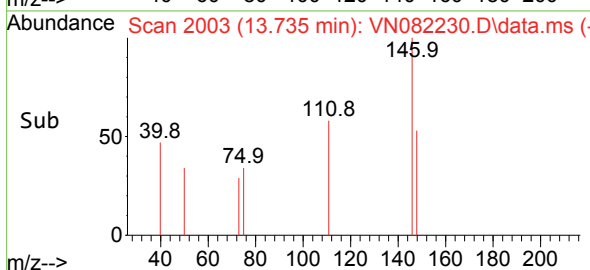
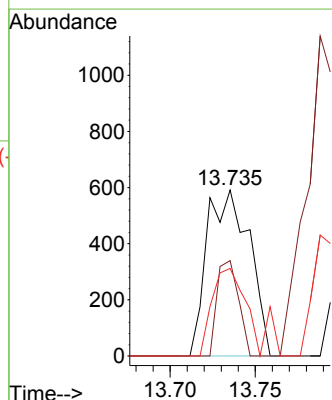
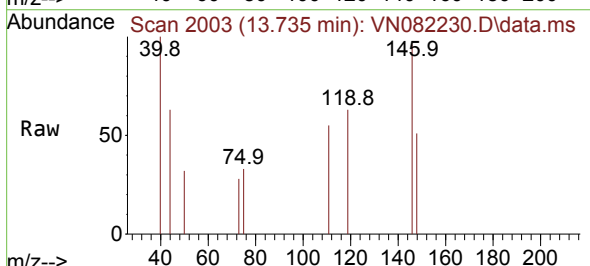
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

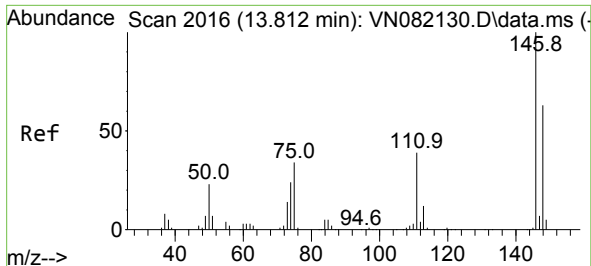
Tgt Ion: 75 Resp: 70300
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#87
1,3-Dichlorobenzene
Concen: 0.266 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

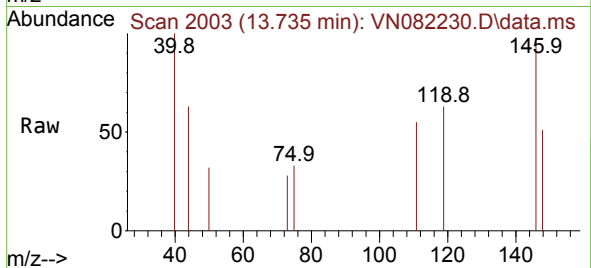
Tgt Ion:146 Resp: 1025
Ion Ratio Lower Upper
146 100
111 29.0 20.8 62.5
148 46.8 32.1 96.3



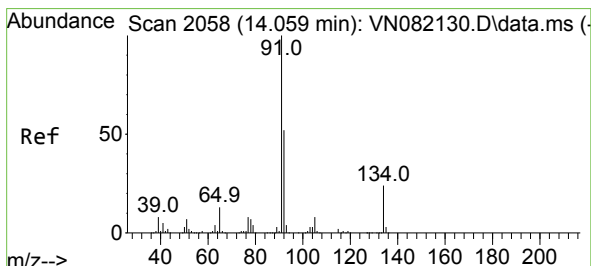
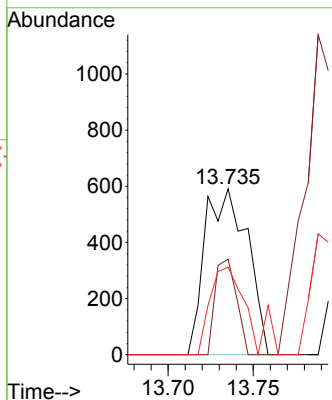
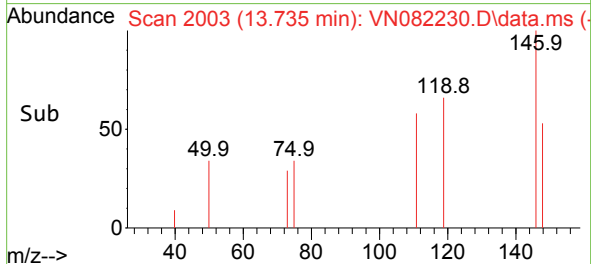


#88
1,4-Dichlorobenzene
Concen: 0.261 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

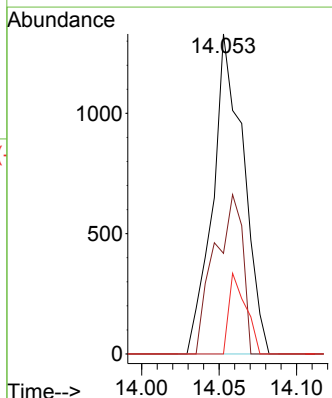
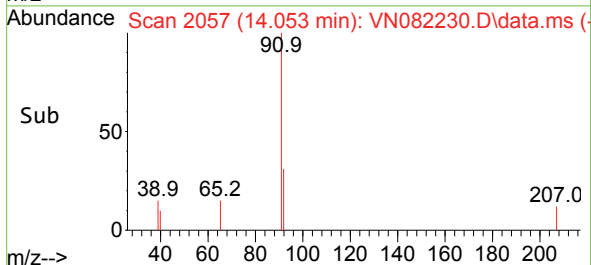
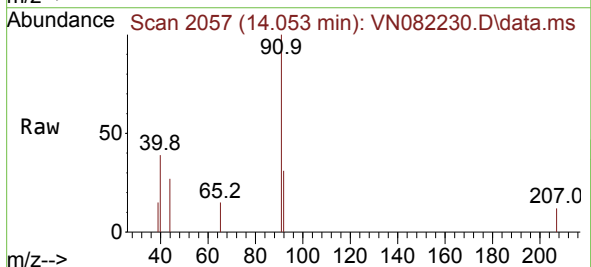


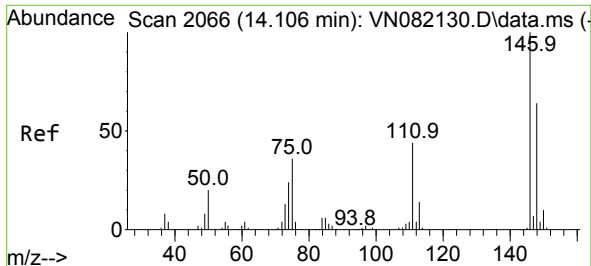
Tgt Ion:146 Resp: 1025
Ion Ratio Lower Upper
146 100
111 29.0 19.3 57.9
148 46.8 31.3 93.9



#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion: 91 Resp: 1828
Ion Ratio Lower Upper
91 100
92 45.7 26.2 78.5
134 13.9 13.2 39.5

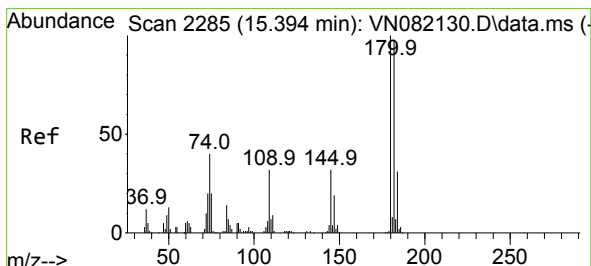
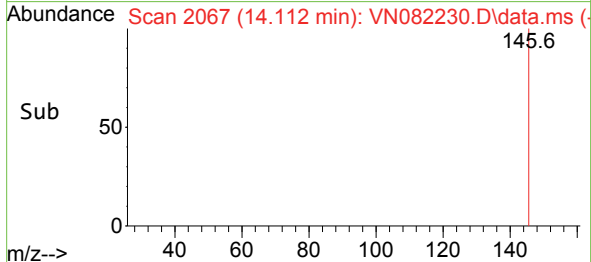
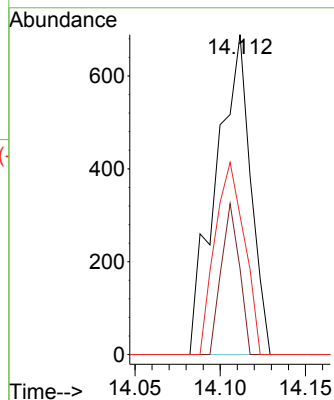
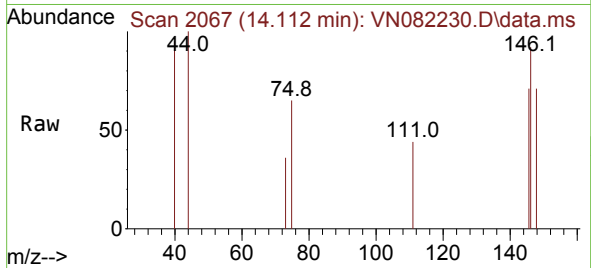




#91
1,2-Dichlorobenzene
Concen: 0.265 ug/l
RT: 14.112 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

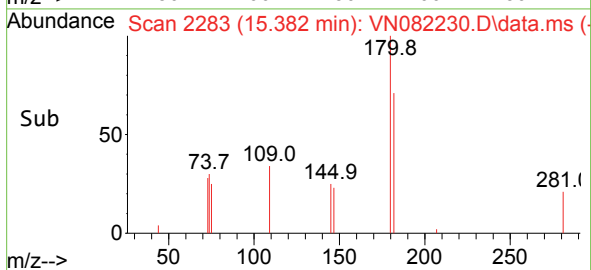
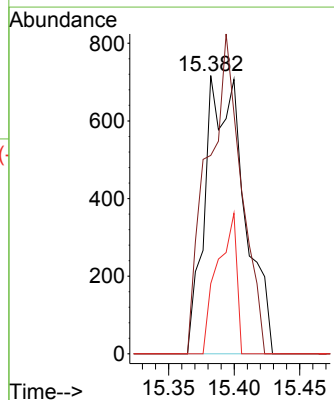
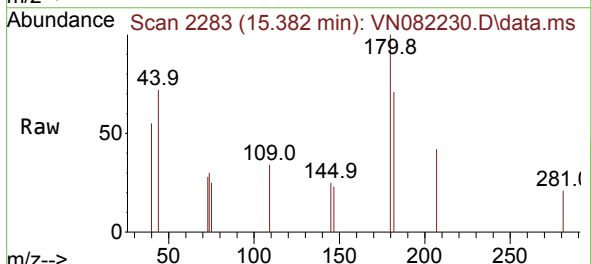
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

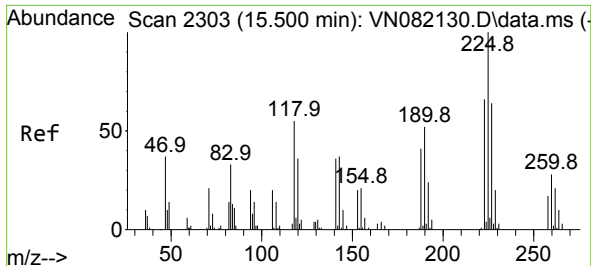
Tgt Ion:146 Resp: 968
Ion Ratio Lower Upper
146 100
111 24.8 21.3 64.0
148 51.1 31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 0.723 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.012 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion:180 Resp: 1478
Ion Ratio Lower Upper
180 100
182 99.7 46.7 140.0
145 25.0 16.2 48.6

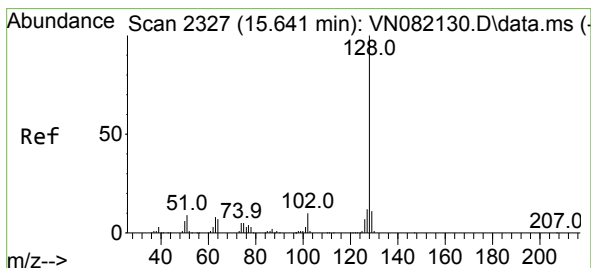
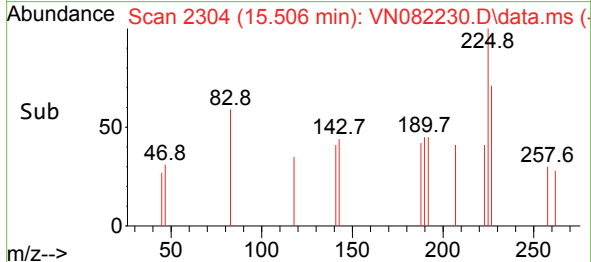
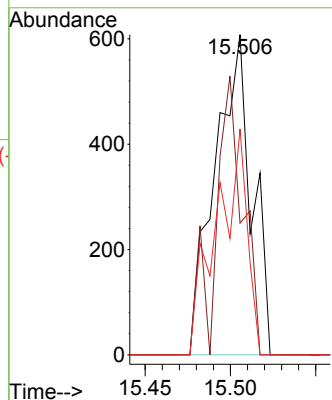
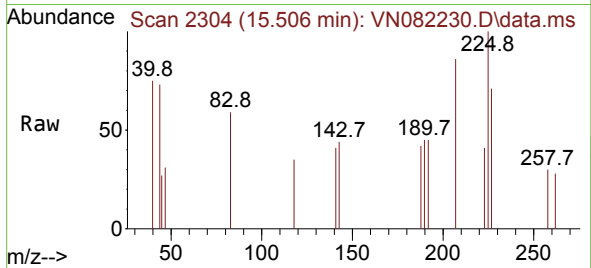




#94
Hexachlorobutadiene
Concen: 1.018 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

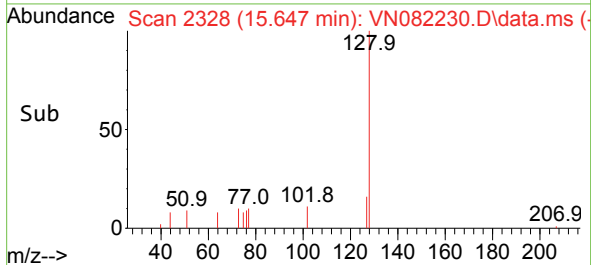
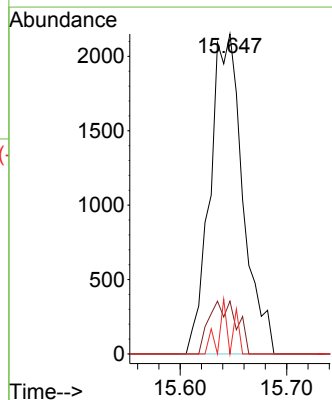
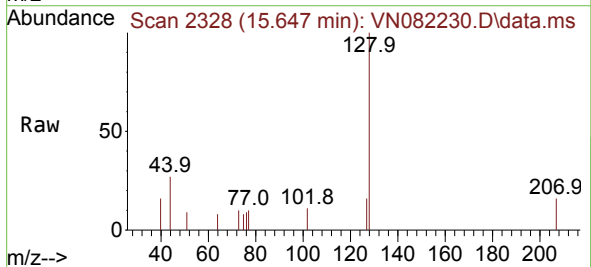
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

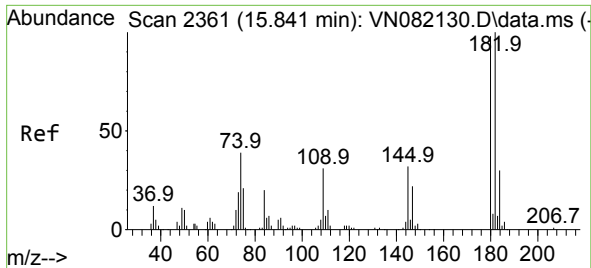
Tgt Ion:225 Resp: 913
Ion Ratio Lower Upper
225 100
223 64.7 31.1 93.2
227 58.5 30.6 91.6



#95
Naphthalene
Concen: 0.718 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082230.D
Acq: 21 May 2024 10:46

Tgt Ion:128 Resp: 4602
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 6.4 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.720 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082230.D
 Acq: 21 May 2024 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL01

Tgt Ion:180 Resp: 1473
 Ion Ratio Lower Upper
 180 100
 182 123.7 46.0 137.8
 145 29.1 17.1 51.3

