

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082054.D
 Acq On : 09 May 2024 16:34
 Operator : JC\MD
 Sample : PB160759ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:53:32 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)

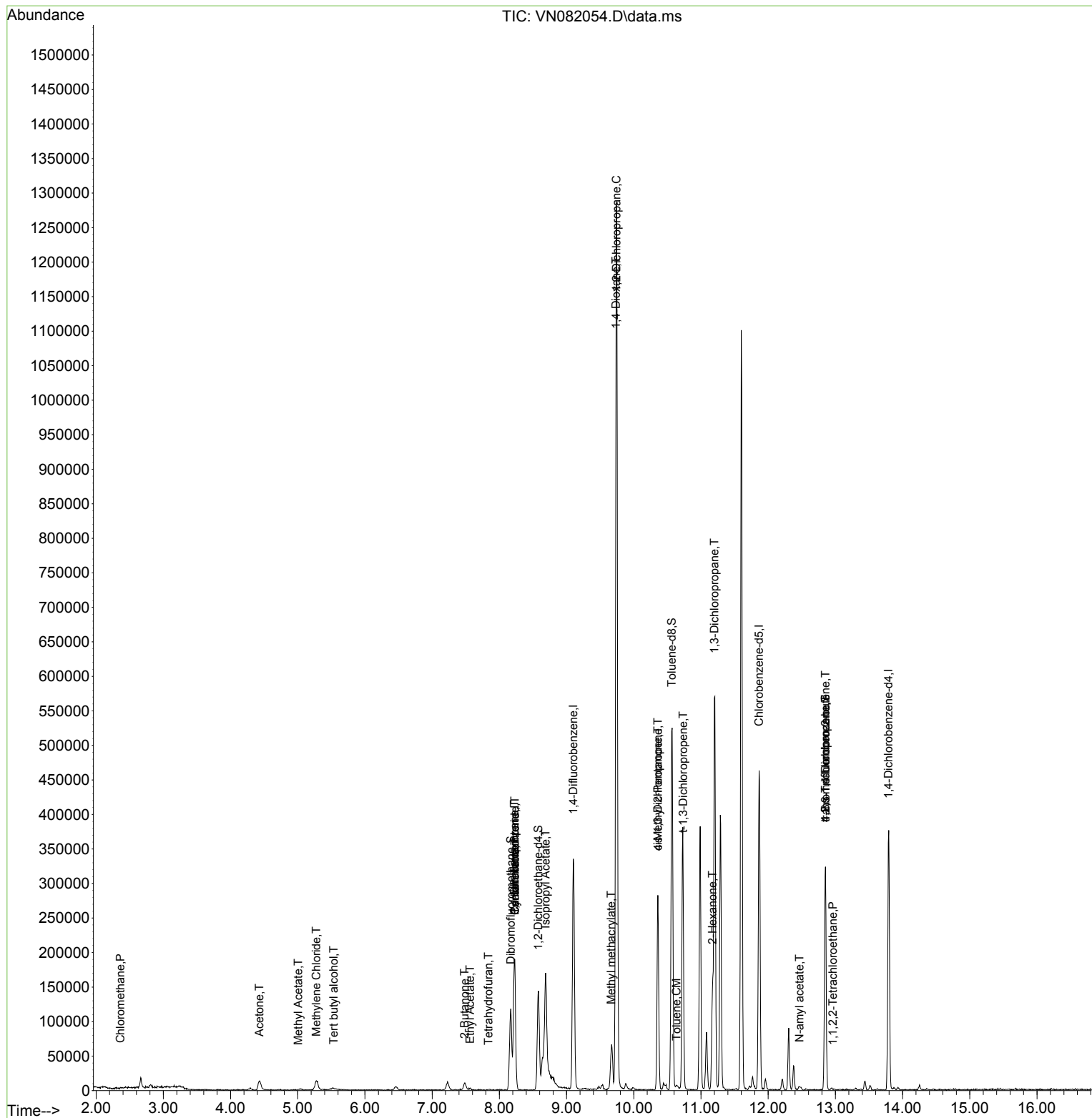
Internal Standards						
1) Pentafluorobenzene	8.229	168	127484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111728	51.928	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.860%			
35) Dibromofluoromethane	8.171	113	83549	51.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	10.565	98	351888	55.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.480%			
62) 4-Bromofluorobenzene	12.853	95	114805	45.592	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	451	0.242	ug/l #	43
5) Bromomethane	2.912	94	64	Below Cal	#	3
11) Tert butyl alcohol	5.536	59	1937	4.952	ug/l #	81
13) Acrolein	4.177	56	155	Below Cal		85
16) Acetone	4.430	43	25921	36.062	ug/l	98
18) Methyl Acetate	5.006	43	839	0.385	ug/l #	63
20) Methylene Chloride	5.277	84	9535	5.171	ug/l #	66
25) 2-Butanone	7.482	43	16997	13.918	ug/l #	81
29) Tetrahydrofuran	7.835	42	646	0.738	ug/l #	39
31) Cyclohexane	8.229	56	4257	1.313	ug/l #	27
36) 1,1-Dichloropropene	8.224	75	13320	5.048	ug/l #	48
37) Ethyl Acetate	7.565	43	4208	1.475	ug/l #	90
38) Carbon Tetrachloride	8.229	117	14856	5.760	ug/l #	15
43) Isopropyl Acetate	8.688	43	260797	48.616	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1795	0.866	ug/l #	45
48) Methyl methacrylate	9.665	41	4766	1.861	ug/l #	34
49) 1,4-Dioxane	9.735	88	152	3.905	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	105035	34.781	ug/l #	44
52) Toluene	10.635	92	1976	0.417	ug/l	99
53) t-1,3-Dichloropropene	10.735	75	737	0.224	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	48083	14.189	ug/l #	68
57) 1,3-Dichloropropane	11.200	76	5729	1.727	ug/l #	42
59) 2-Hexanone	11.170	43	121112	53.890	ug/l #	23
74) N-amyl acetate	12.465	43	4668	1.069	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.964	83	555	0.236	ug/l #	25
76) 1,2,3-Trichloropropane	12.853	75	64892	28.365	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64892	58.124	ug/l #	13

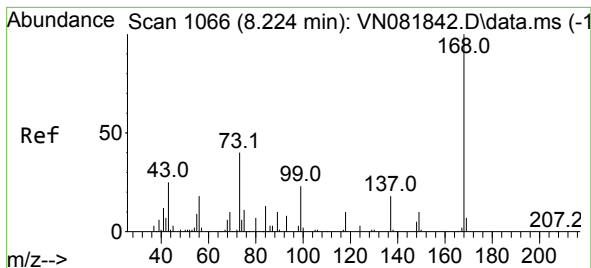
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

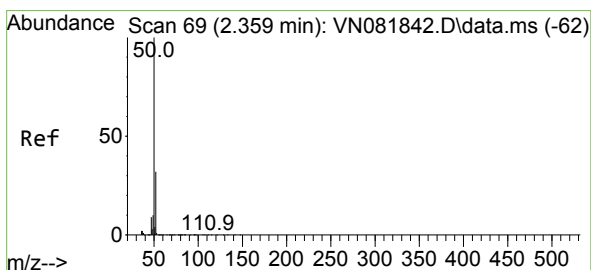
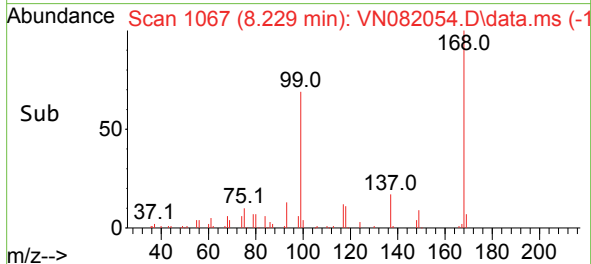
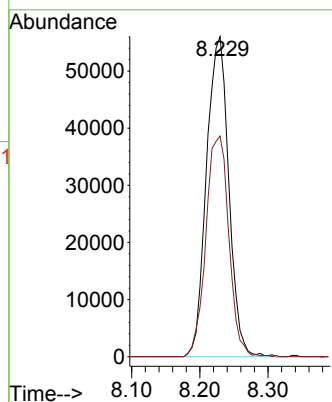
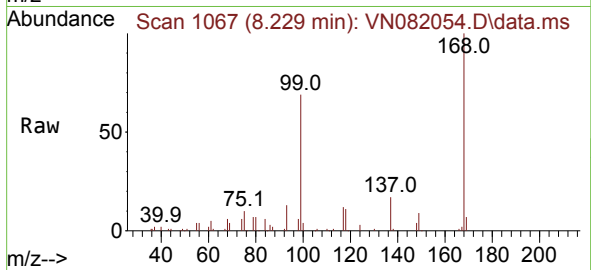
ClientSampleId :

Tgt Ion:168 Resp: 127484

Ion Ratio Lower Upper

168 100

99 69.0 48.2 72.4



#3

Chloromethane

Concen: 0.242 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082054.D

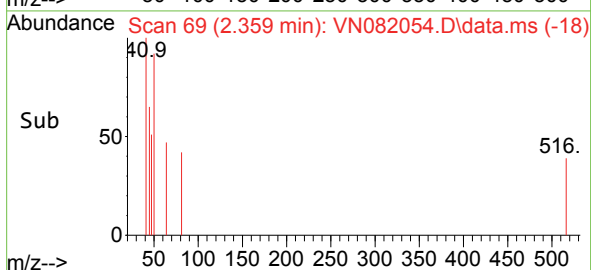
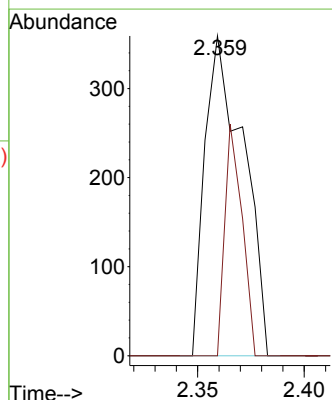
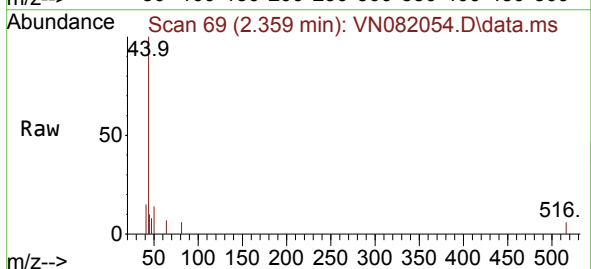
Acq: 09 May 2024 16:34

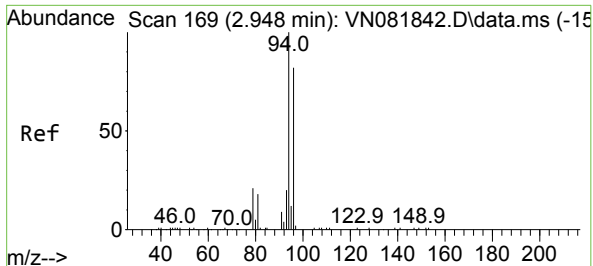
Tgt Ion: 50 Resp: 451

Ion Ratio Lower Upper

50 100

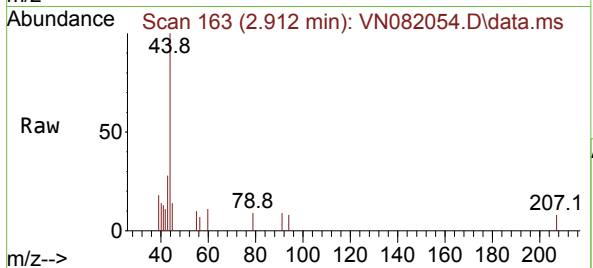
52 0.0 25.5 38.3#



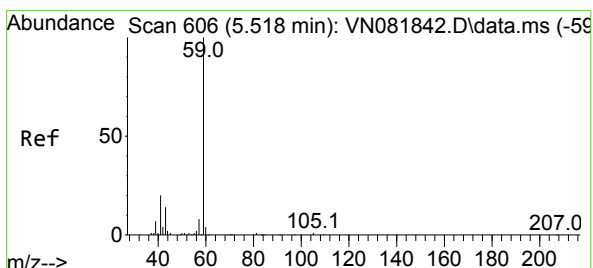
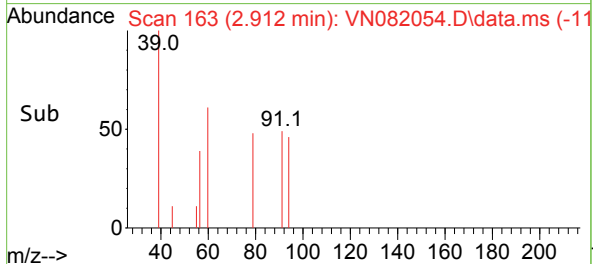
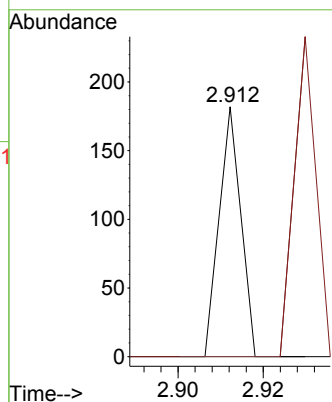


#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

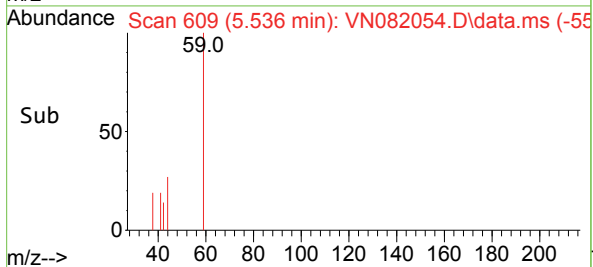
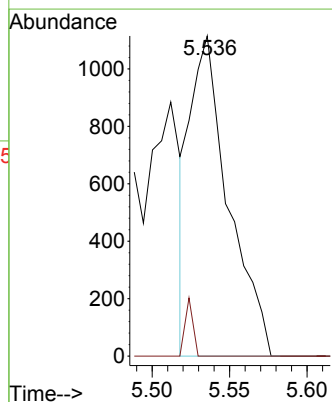
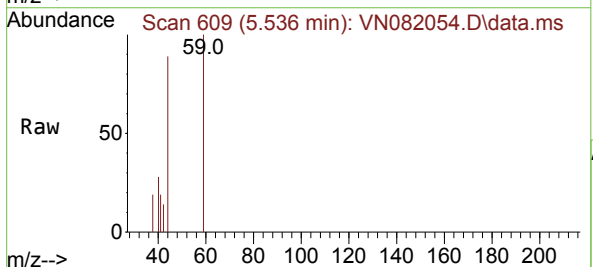


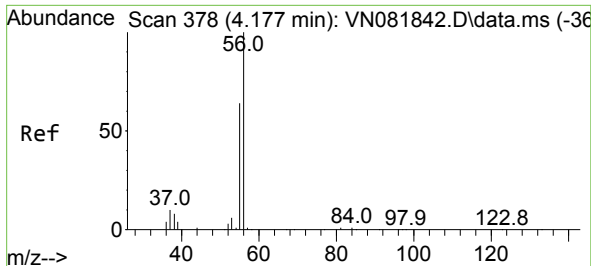
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 4.952 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

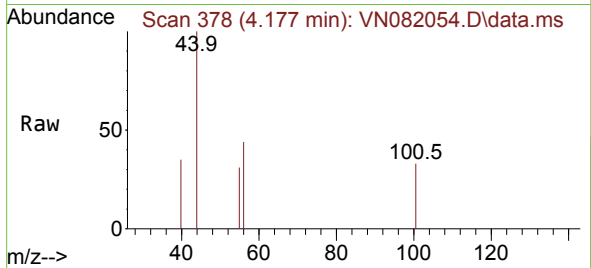
Tgt Ion: 59 Resp: 1937
Ion Ratio Lower Upper
59 100
57 3.7 8.9 13.3#



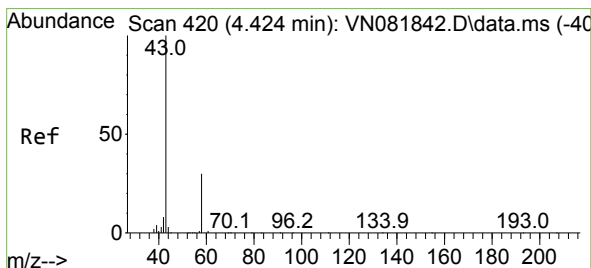
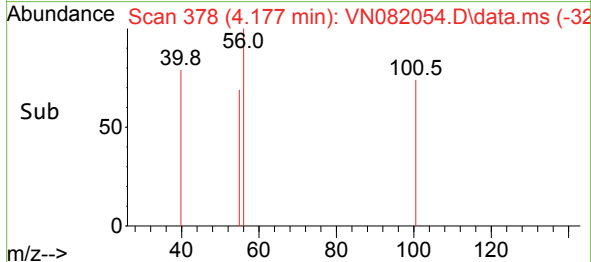
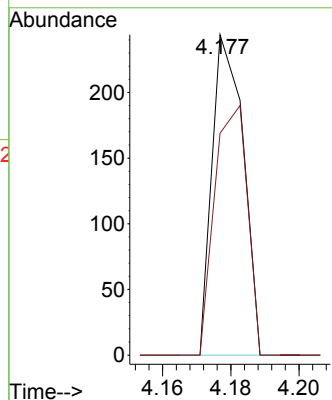


#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

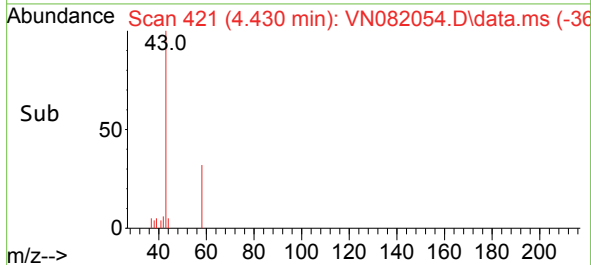
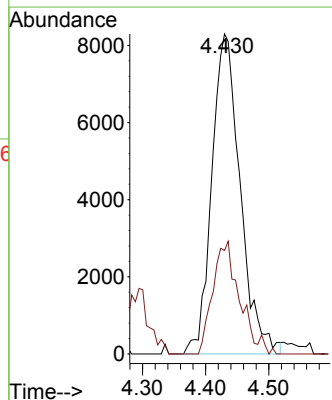
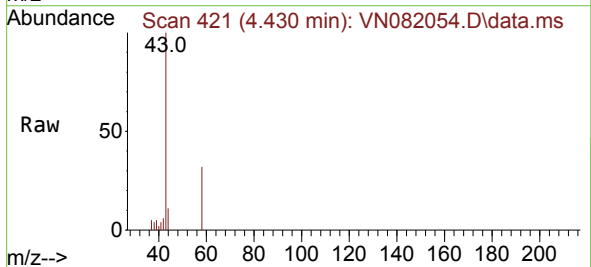


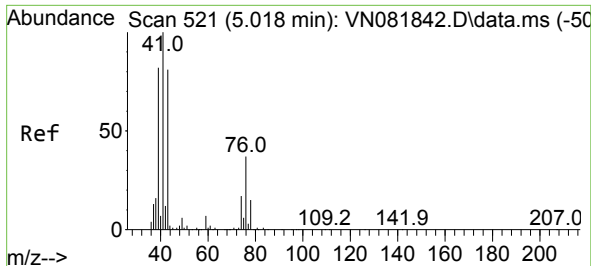
Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 81.9 55.8 83.8



#16
Acetone
Concen: 36.062 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Tgt Ion: 43 Resp: 25921
Ion Ratio Lower Upper
43 100
58 32.4 25.2 37.8





#18

Methyl Acetate

Concen: 0.385 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.012 min

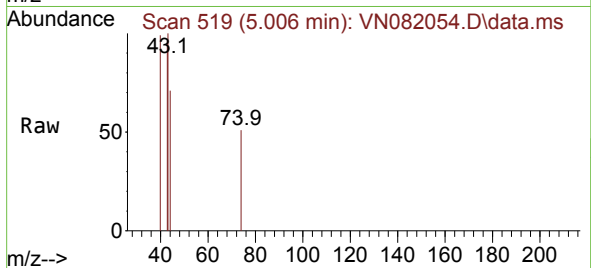
Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

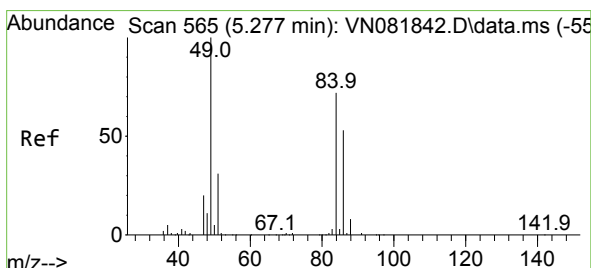
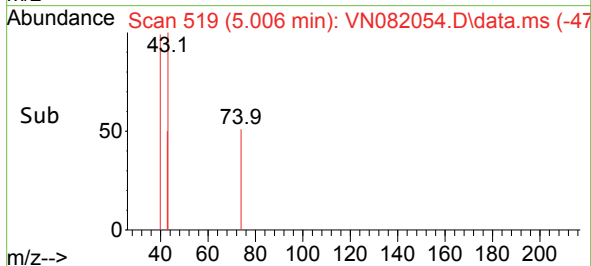
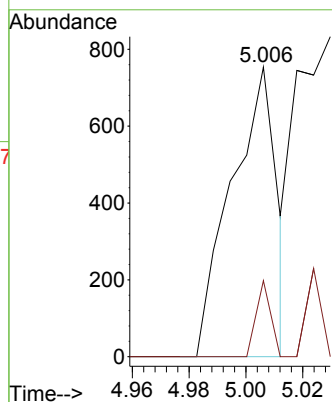


Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

43 100

74 8.3 22.2 33.2#



#20

Methylene Chloride

Concen: 5.171 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Tgt Ion: 84 Resp: 9535

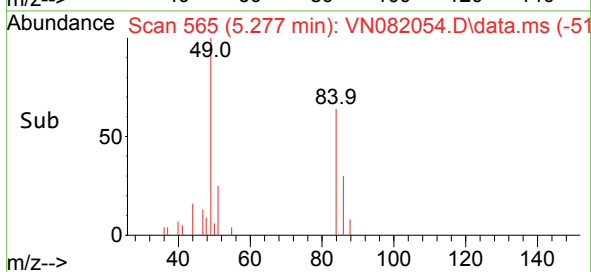
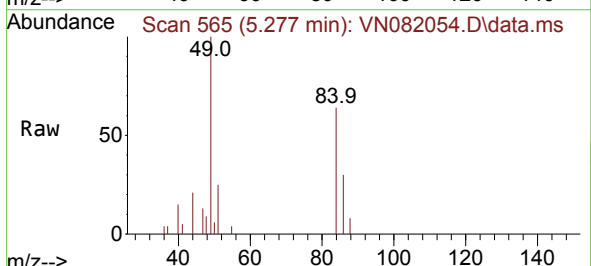
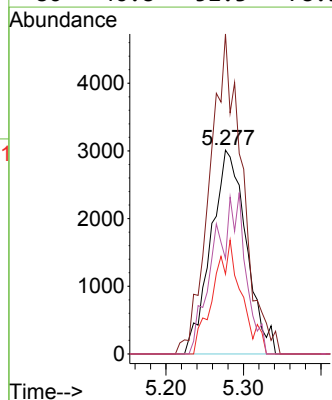
Ion Ratio Lower Upper

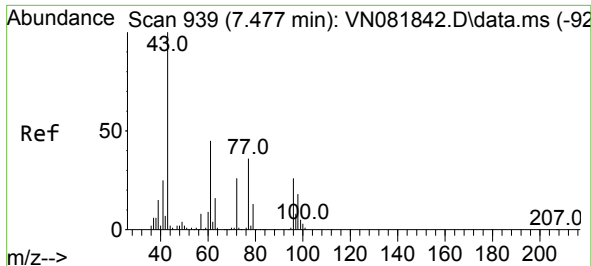
84 100

49 157.0 84.9 127.3#

51 39.1 27.0 40.6

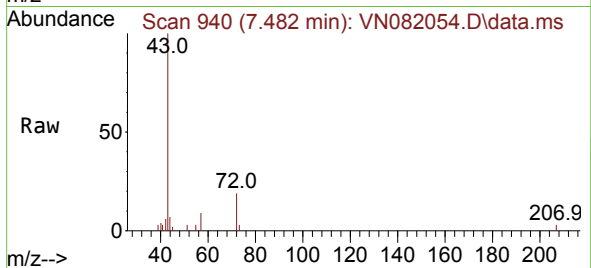
86 46.8 52.3 78.5#



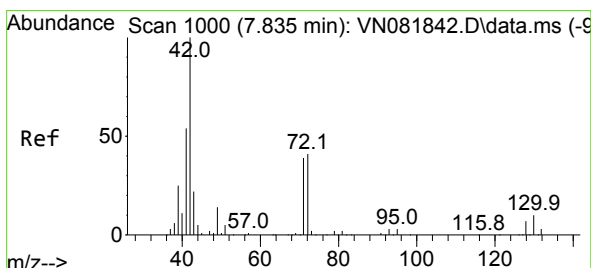
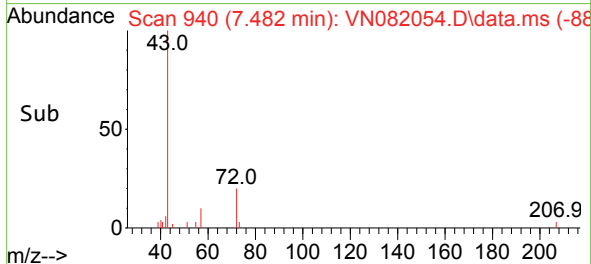
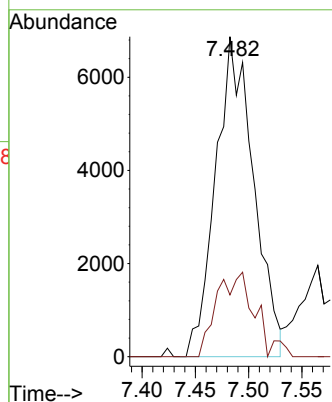


#25
2-Butanone
Concen: 13.918 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

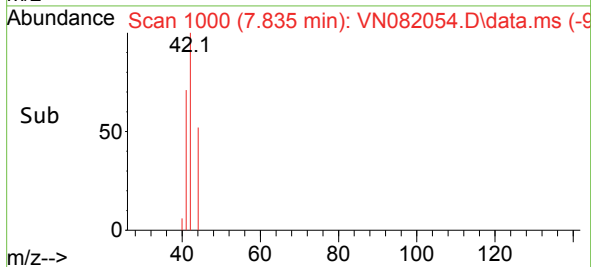
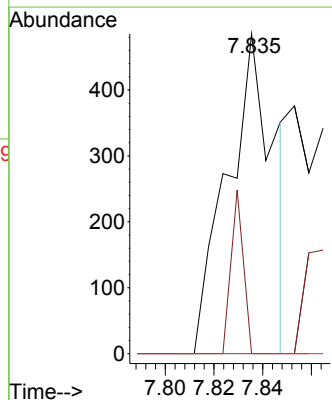
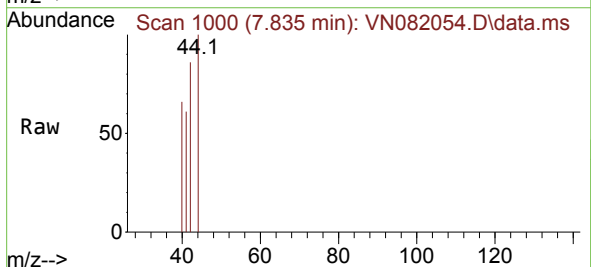


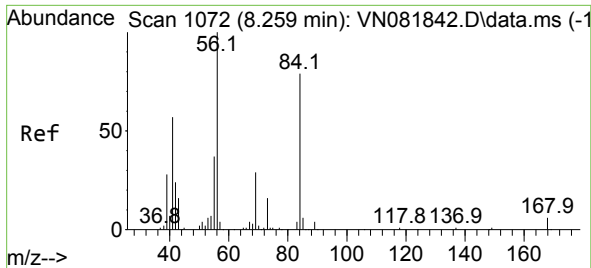
Tgt Ion: 43 Resp: 16997
Ion Ratio Lower Upper
43 100
72 20.9 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.738 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

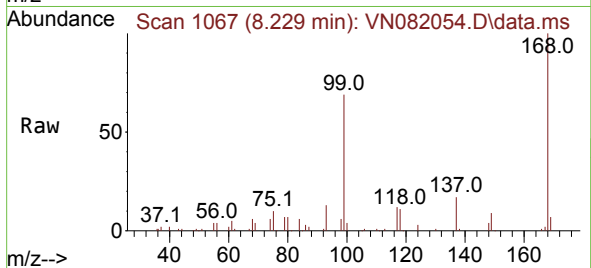
Tgt Ion: 42 Resp: 646
Ion Ratio Lower Upper
42 100
72 13.6 39.3 58.9#
71 0.0 37.4 56.0#



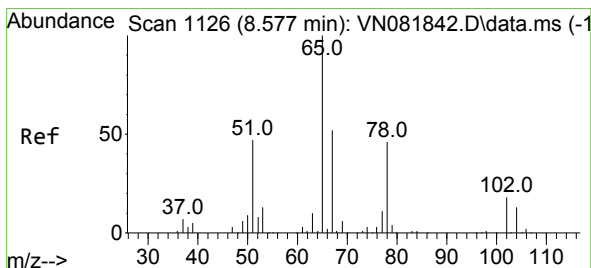
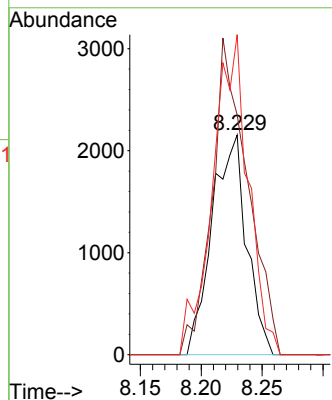
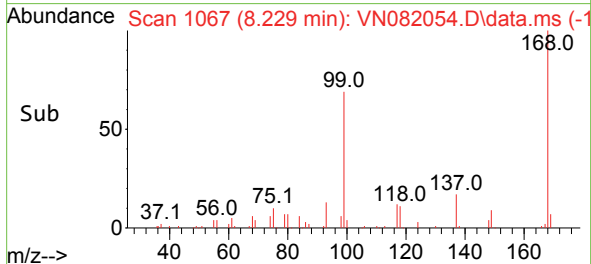


#31
Cyclohexane
Concen: 1.313 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

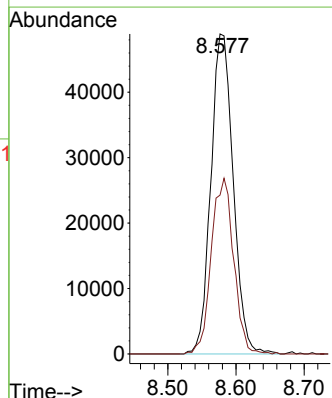
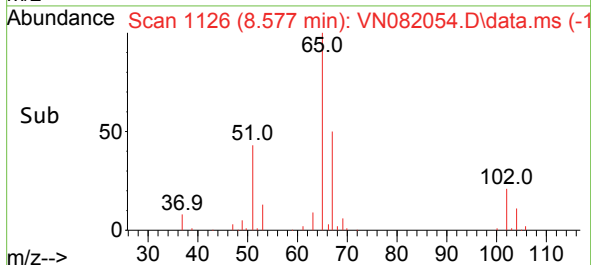
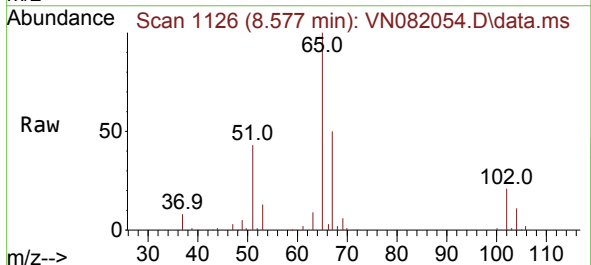


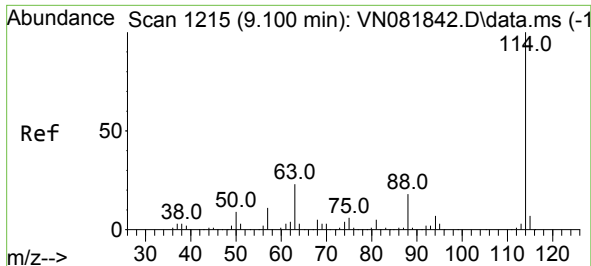
Tgt Ion: 56 Resp: 4257
Ion Ratio Lower Upper
56 100
69 109.1 24.4 36.6#
84 145.6 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 51.928 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Tgt Ion: 65 Resp: 111728
Ion Ratio Lower Upper
65 100
67 54.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

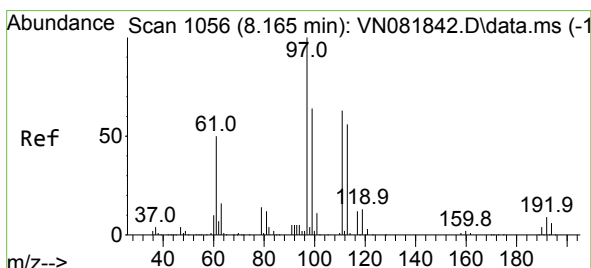
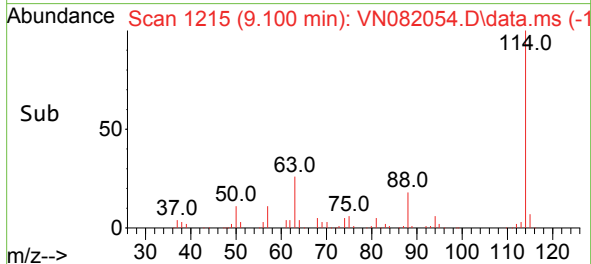
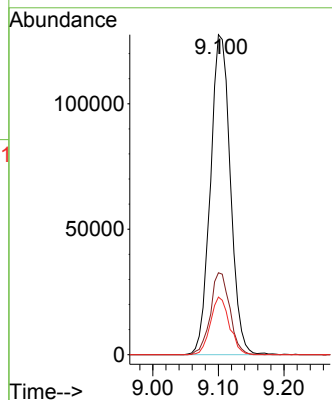
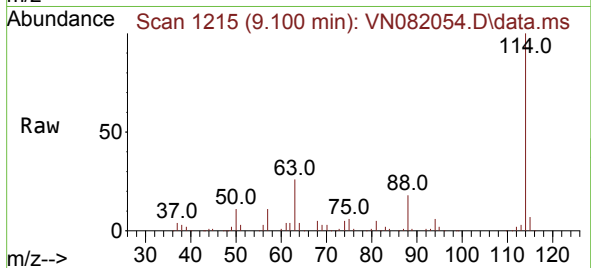
Tgt Ion:114 Resp: 269387

Ion Ratio Lower Upper

114 100

63 25.6 0.0 41.0

88 18.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.512 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

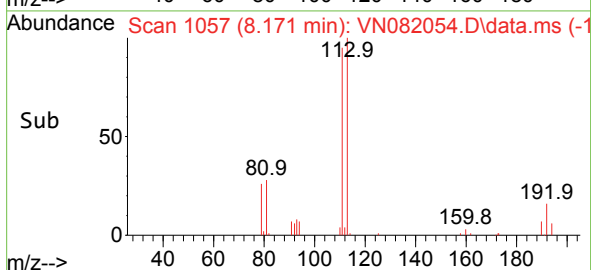
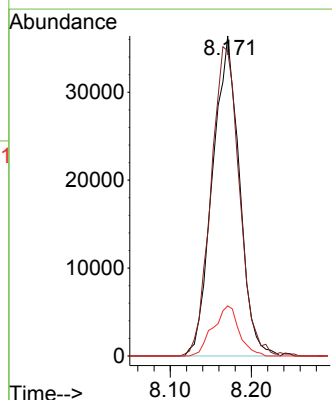
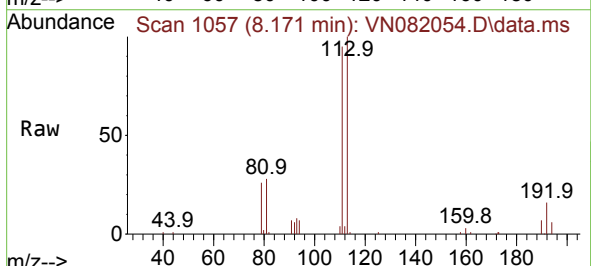
Tgt Ion:113 Resp: 83549

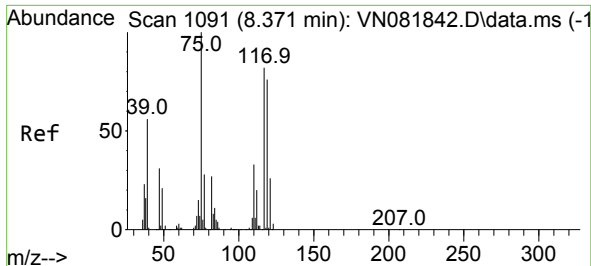
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

192 15.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

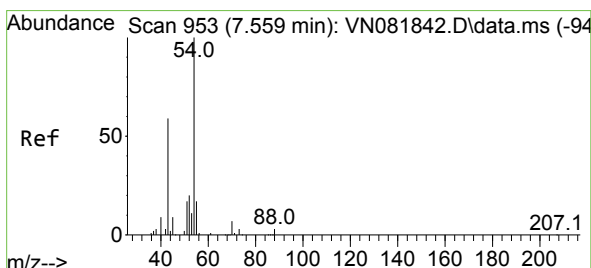
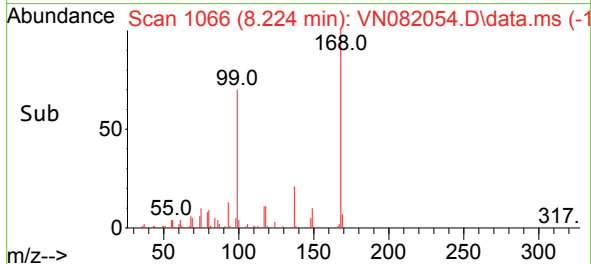
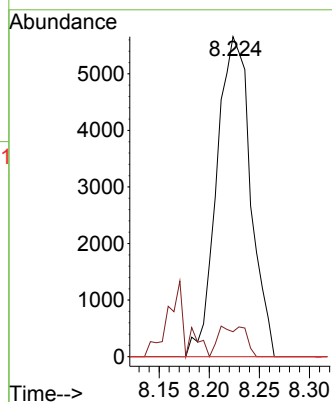
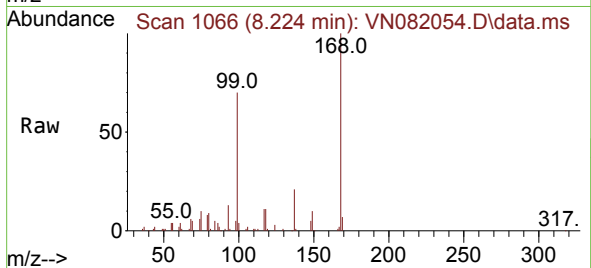
Tgt Ion: 75 Resp: 13320

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.475 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

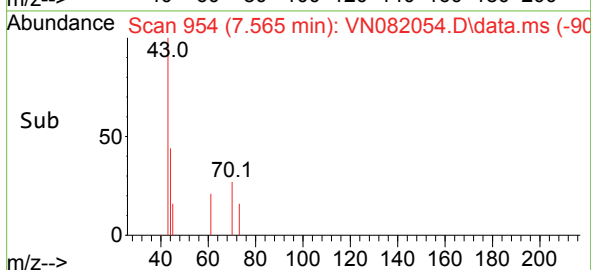
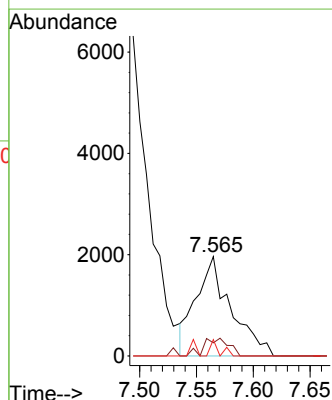
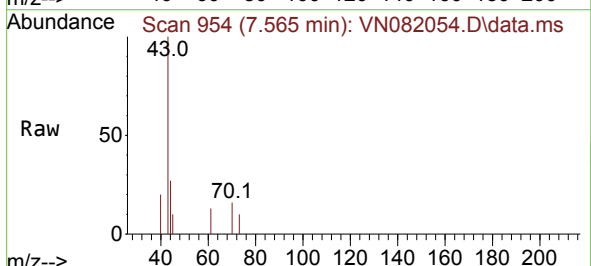
Tgt Ion: 43 Resp: 4208

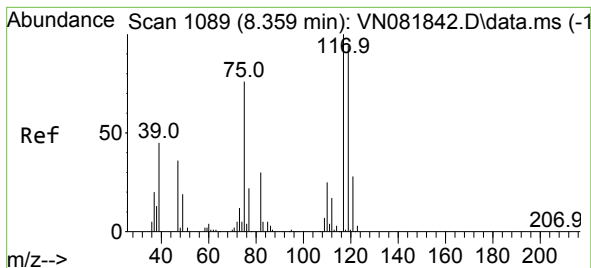
Ion Ratio Lower Upper

43 100

61 12.7 11.3 16.9

70 4.1 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.760 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.129 min

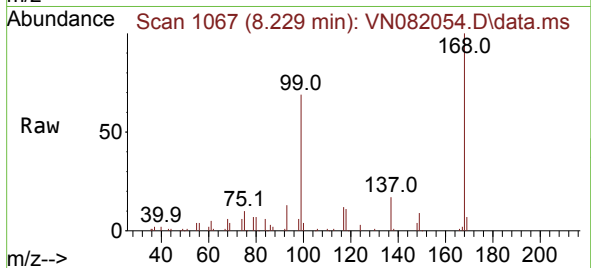
Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :



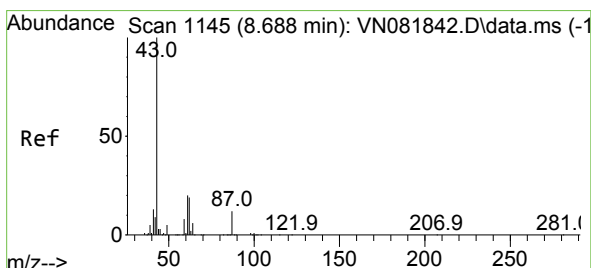
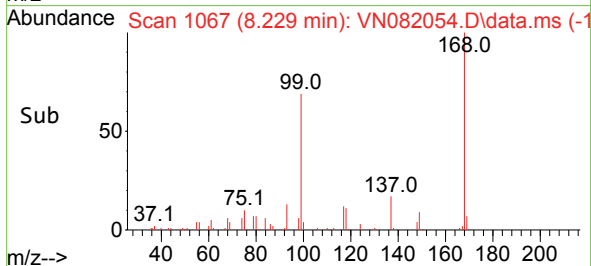
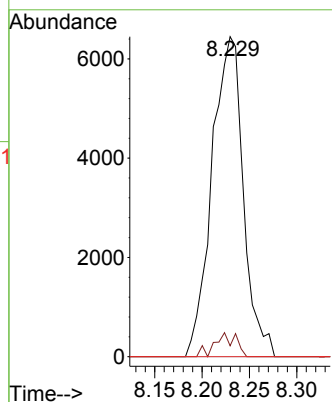
Tgt Ion:117 Resp: 14856

Ion Ratio Lower Upper

117 100

119 3.4 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 48.616 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

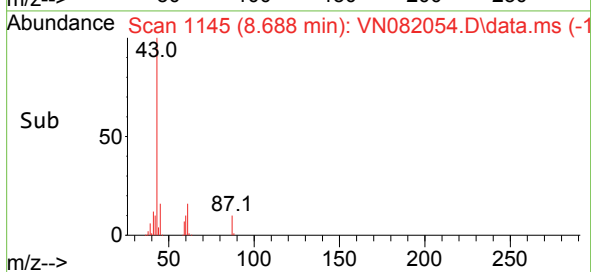
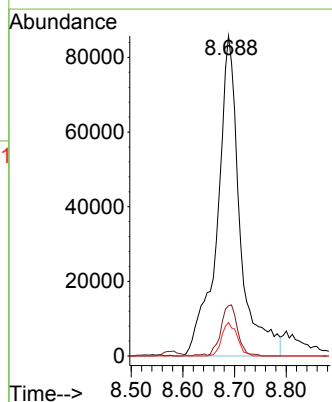
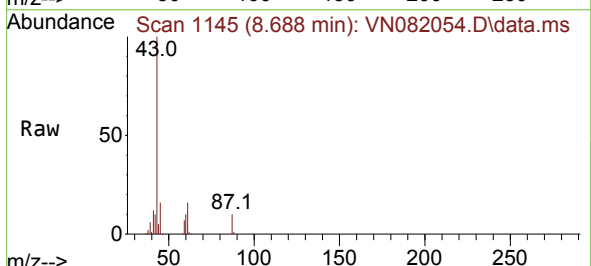
Tgt Ion: 43 Resp: 260797

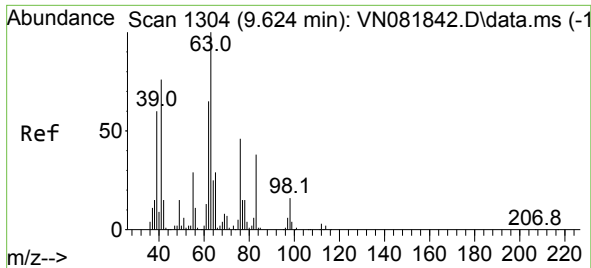
Ion Ratio Lower Upper

43 100

61 11.9 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.866 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

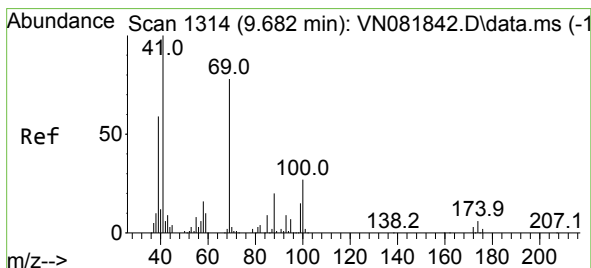
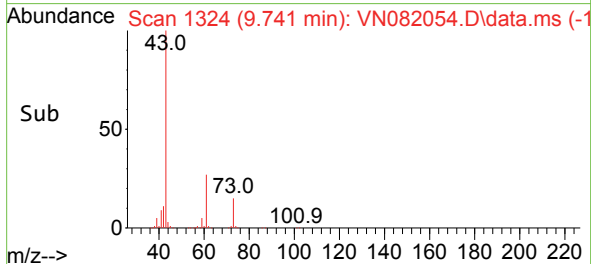
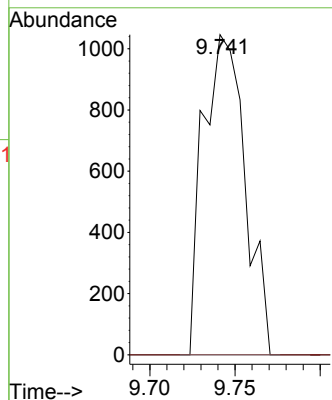
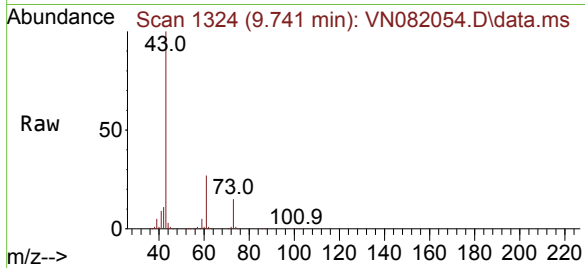
ClientSampleId :

Tgt Ion: 63 Resp: 1795

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.861 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

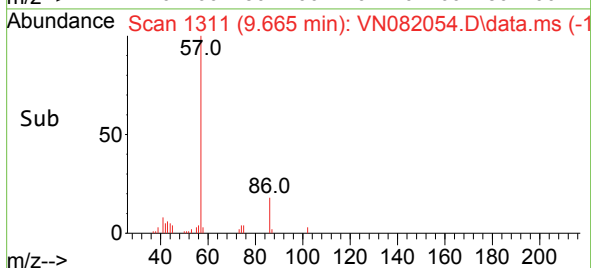
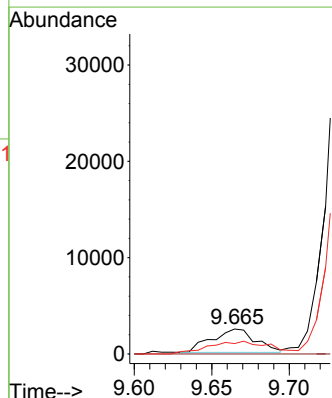
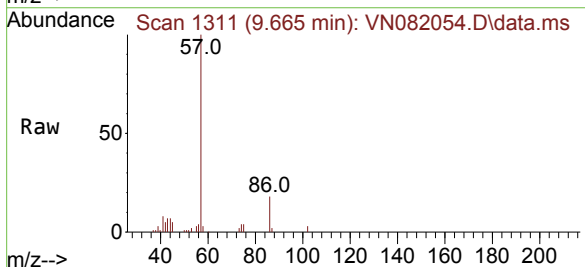
Tgt Ion: 41 Resp: 4766

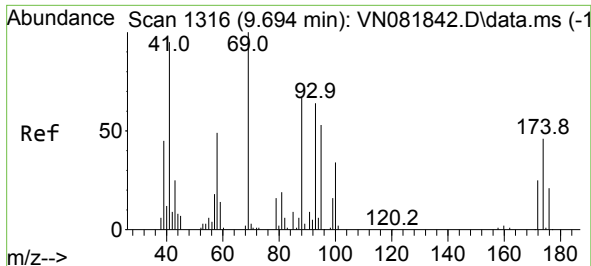
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 76.5 50.9 76.3#





#49

1,4-Dioxane

Concen: 3.905 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

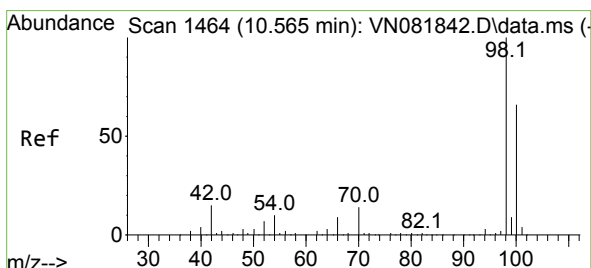
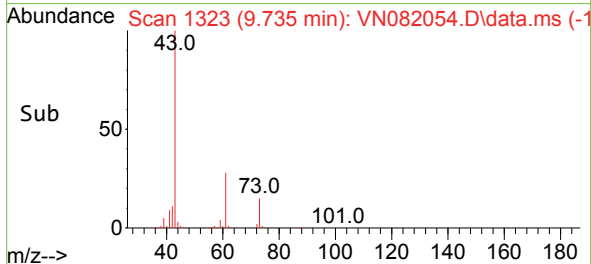
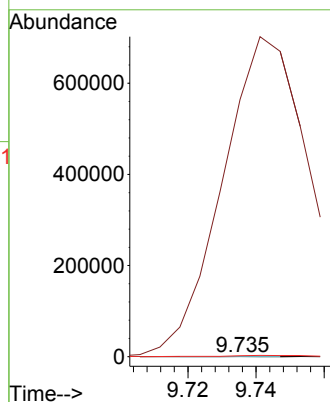
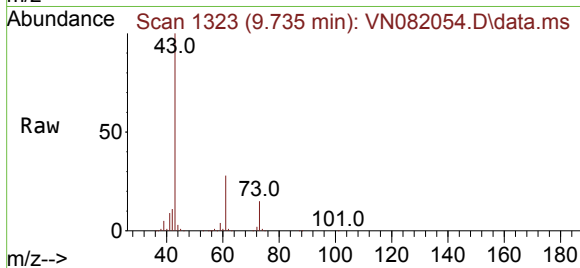
Tgt Ion: 88 Resp: 152

Ion Ratio Lower Upper

88 100

43 842286.8 19.0 28.6#

58 3294.7 50.6 76.0#



#50

Toluene-d8

Concen: 55.241 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN082054.D

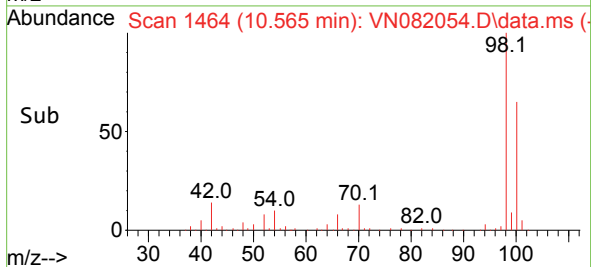
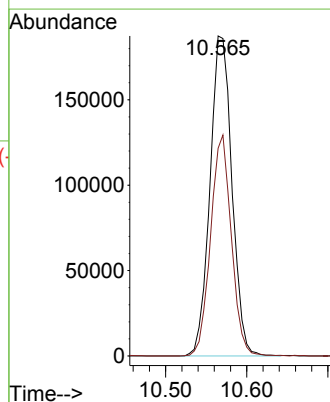
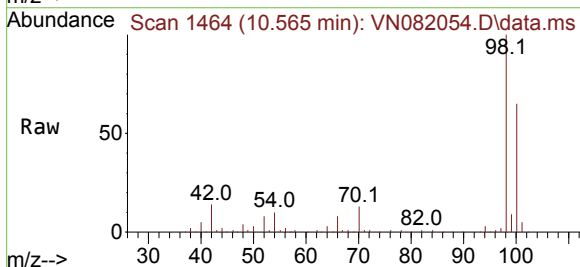
Acq: 09 May 2024 16:34

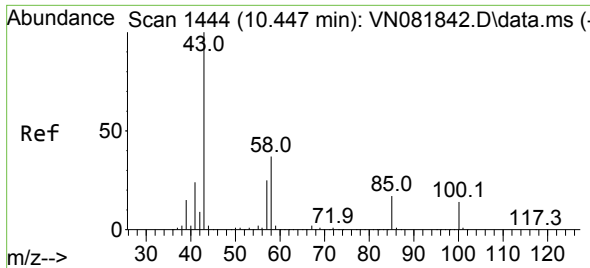
Tgt Ion: 98 Resp: 351888

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.6

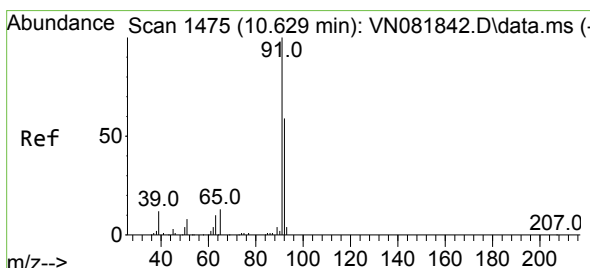
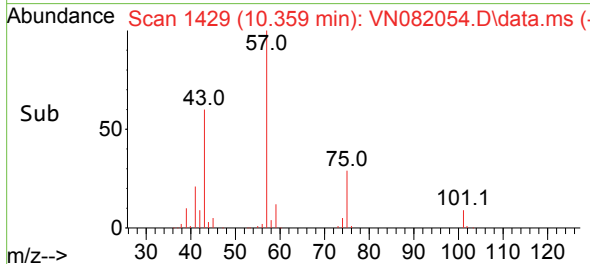
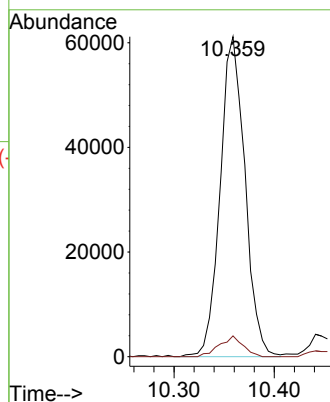
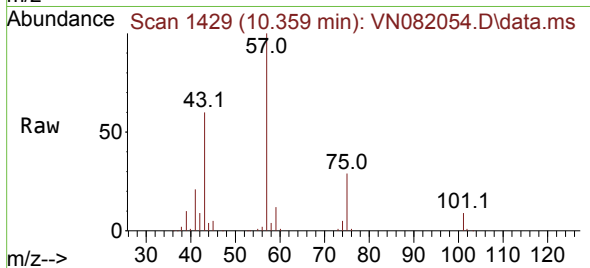




#51
4-Methyl-2-Pentanone
Concen: 34.781 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

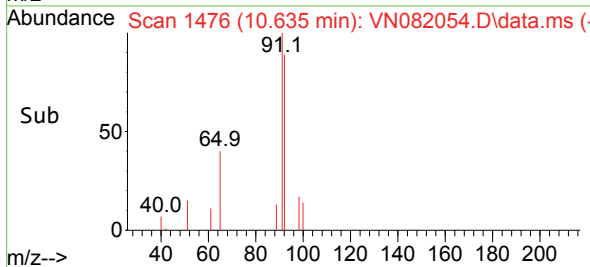
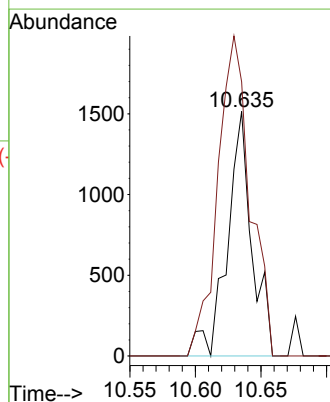
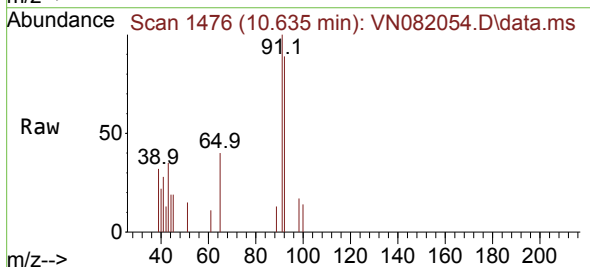
Instrument :
MSVOA_N
ClientSampleId :

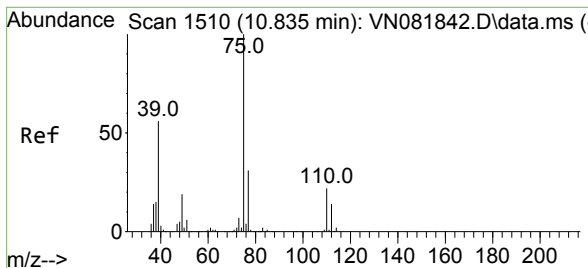
Tgt Ion: 43 Resp: 105035
Ion Ratio Lower Upper
43 100
58 6.2 33.2 49.8#



#52
Toluene
Concen: 0.417 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

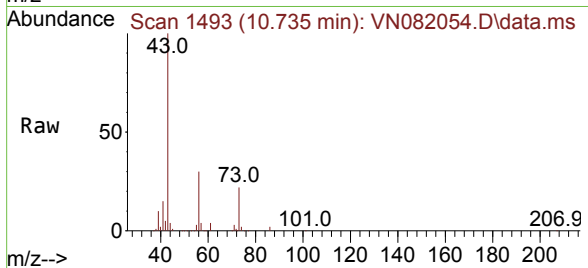
Tgt Ion: 92 Resp: 1976
Ion Ratio Lower Upper
92 100
91 172.3 136.7 205.1



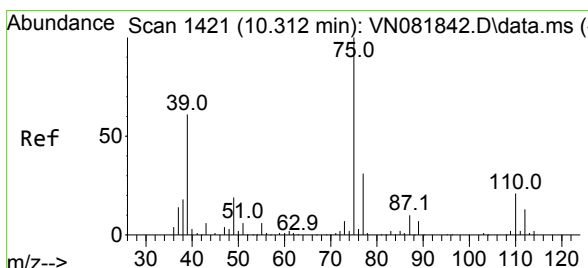
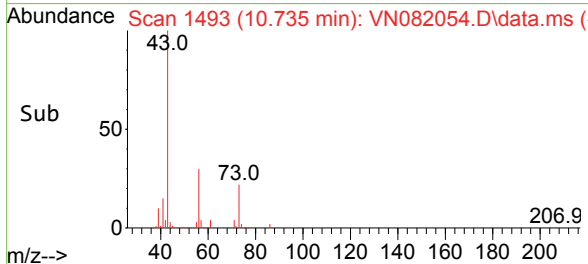
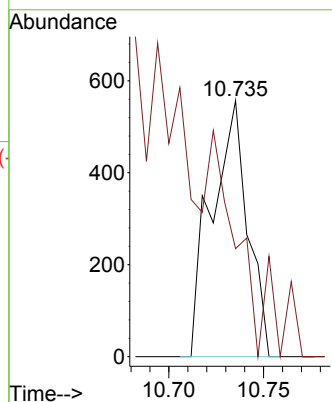


#53
 t-1,3-Dichloropropene
 Concen: 0.224 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN082054.D
 Acq: 09 May 2024 16:34

Instrument :
 MSVOA_N
 ClientSampleId :

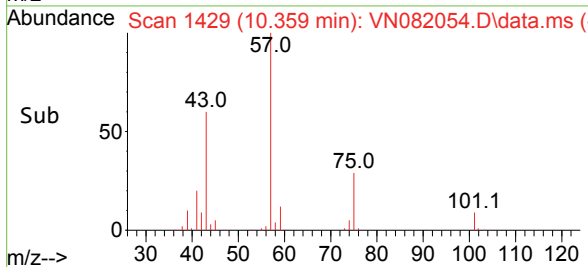
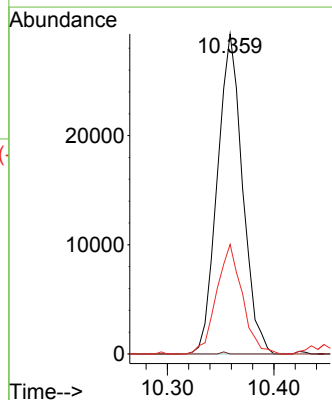
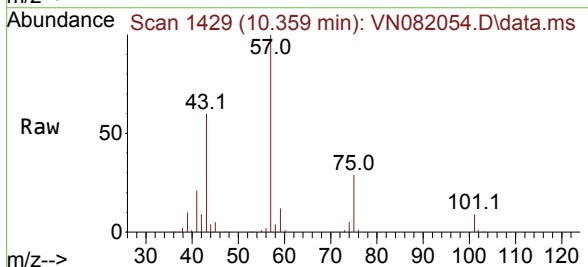


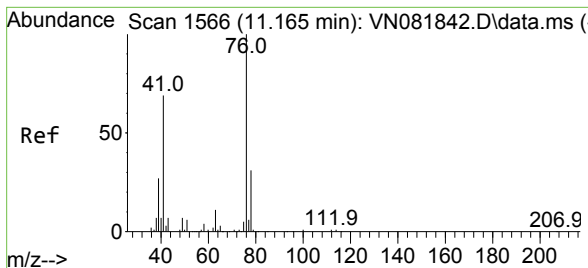
Tgt Ion: 75 Resp: 737
 Ion Ratio Lower Upper
 75 100
 77 42.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.189 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082054.D
 Acq: 09 May 2024 16:34

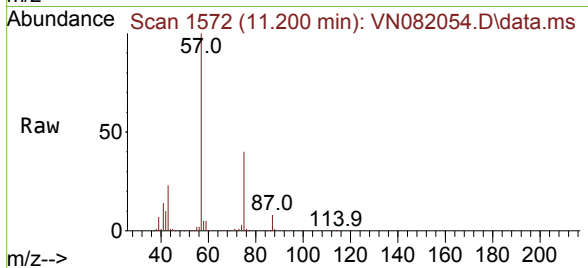
Tgt Ion: 75 Resp: 48083
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 34.3 34.8 52.2#



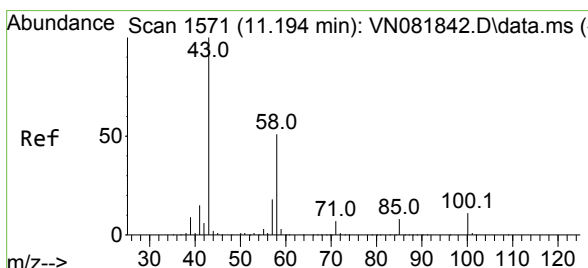
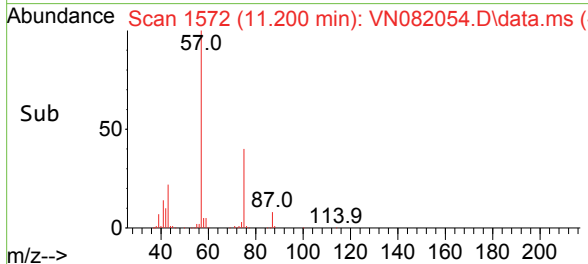
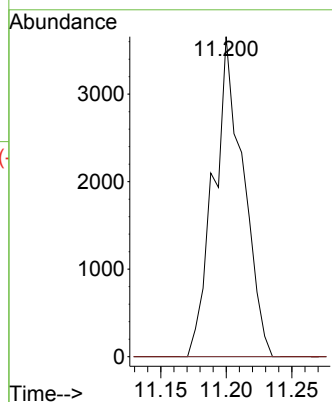


#57
1,3-Dichloropropane
Concen: 1.727 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :

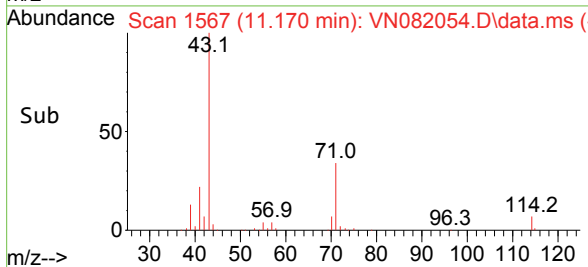
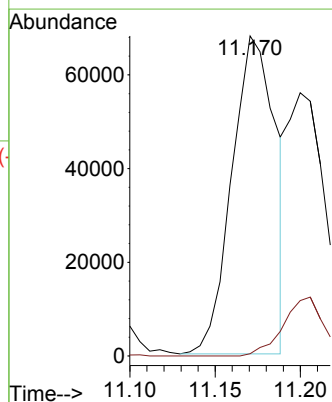
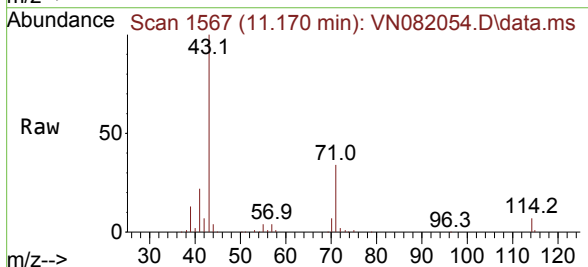


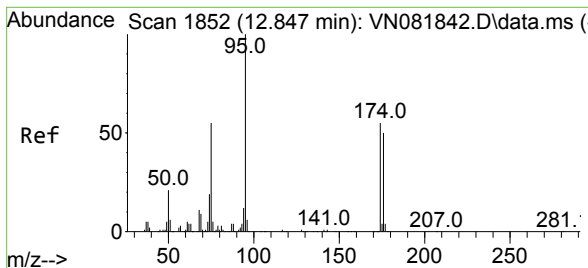
Tgt Ion: 76 Resp: 5729
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 53.890 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Tgt Ion: 43 Resp: 121112
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

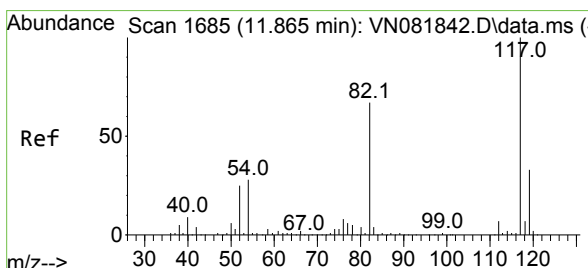
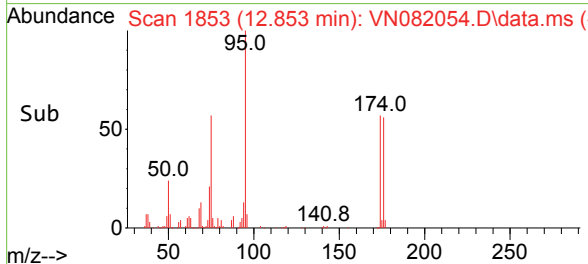
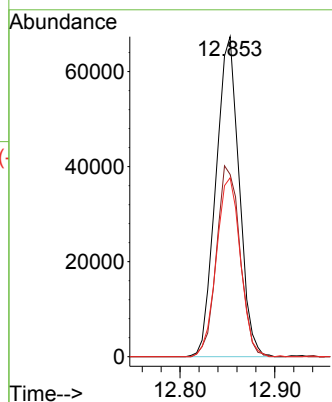
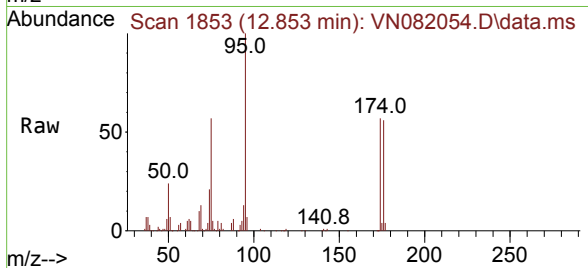




#62
4-Bromofluorobenzene
Concen: 45.592 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

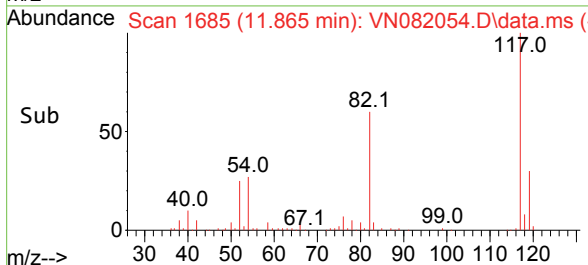
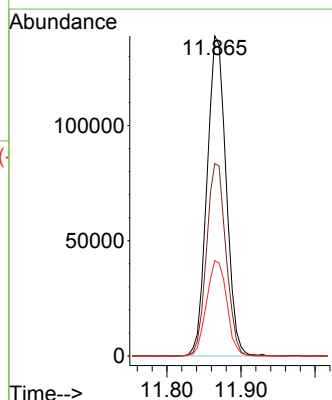
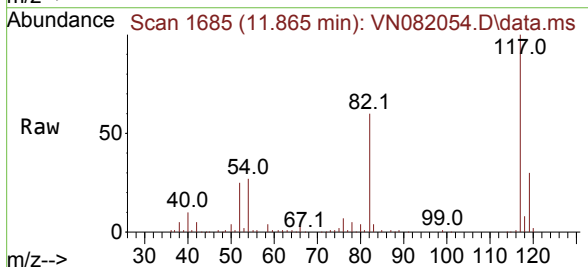
Instrument :
MSVOA_N
ClientSampleId :

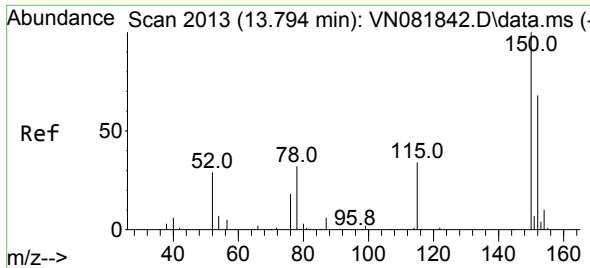
Tgt Ion: 95 Resp: 114805
Ion Ratio Lower Upper
95 100
174 60.3 0.0 160.6
176 57.8 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082054.D
Acq: 09 May 2024 16:34

Tgt Ion: 117 Resp: 248365
Ion Ratio Lower Upper
117 100
82 60.1 44.6 66.8
119 29.8 25.9 38.9

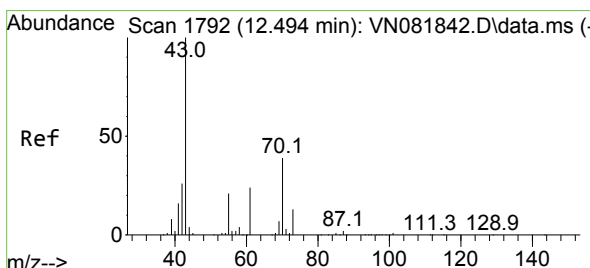
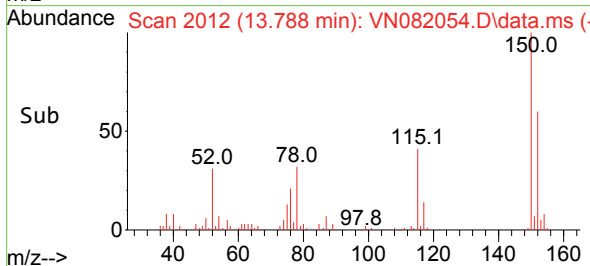
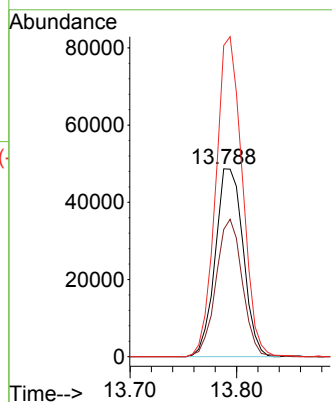
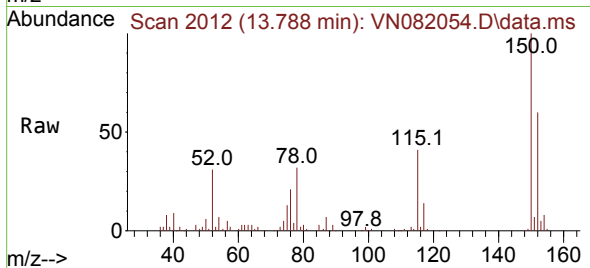




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN082054.D
 Acq: 09 May 2024 16:34

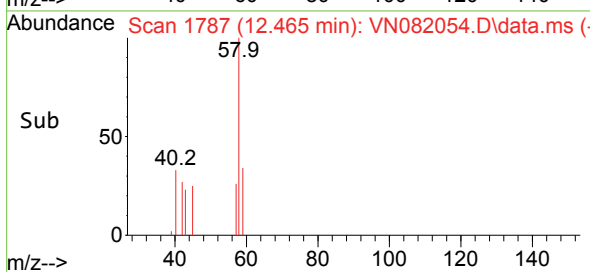
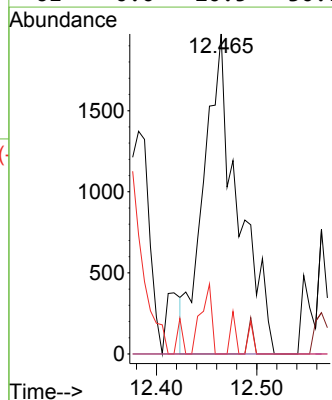
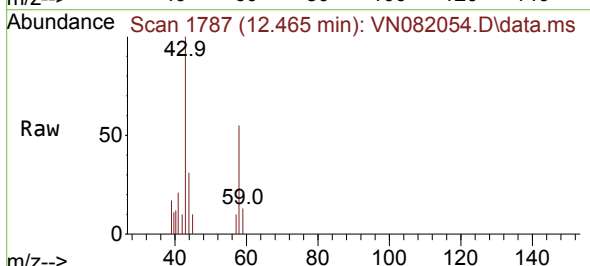
Instrument :
 MSVOA_N
 ClientSampleId :

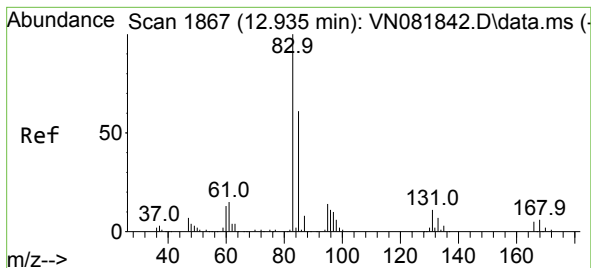
Tgt Ion:152 Resp: 88235
 Ion Ratio Lower Upper
 152 100
 115 69.3 30.4 91.3
 150 162.5 0.0 353.2



#74
 N-ethyl acetate
 Concen: 1.069 ug/l
 RT: 12.465 min Scan# 1787
 Delta R.T. -0.029 min
 Lab File: VN082054.D
 Acq: 09 May 2024 16:34

Tgt Ion: 43 Resp: 4668
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 2.0 21.3 31.9#
 61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.236 ug/l

RT: 12.964 min Scan# 1872

Delta R.T. 0.029 min

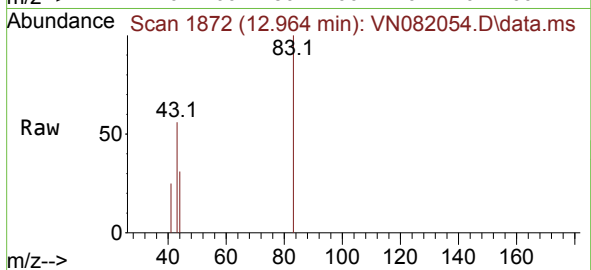
Lab File: VN082054.D

Acq: 09 May 2024 16:34

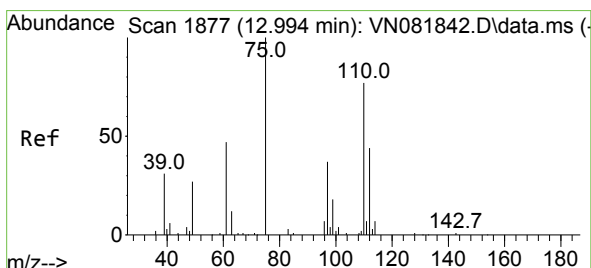
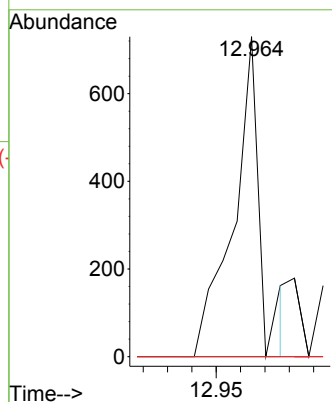
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	555
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	0.0	32.9	98.6#



#76

1,2,3-Trichloropropane

Concen: 28.365 ug/l

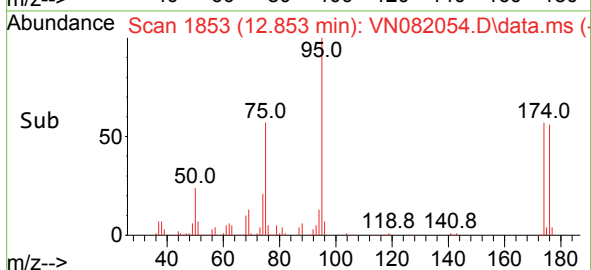
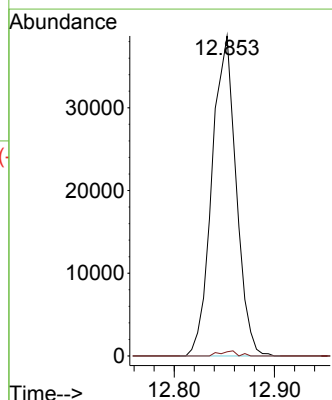
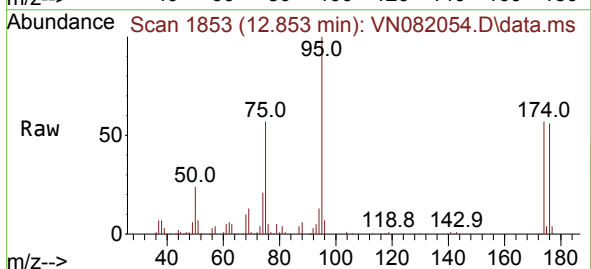
RT: 12.853 min Scan# 1853

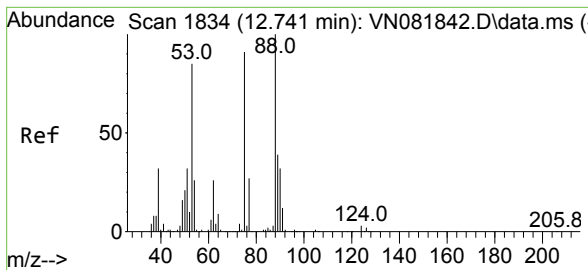
Delta R.T. -0.141 min

Lab File: VN082054.D

Acq: 09 May 2024 16:34

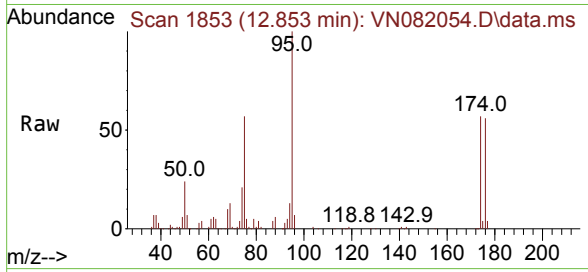
Tgt Ion:	75	Resp:	64892
Ion	Ratio	Lower	Upper
75	100		
77	1.1	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.124 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082054.D
 Acq: 09 May 2024 16:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 64892
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.3 39.1 58.7#

