

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082214.D
 Acq On : 20 May 2024 16:59
 Operator : JC\MD
 Sample : P2513-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Quant Time: May 21 03:50:19 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)

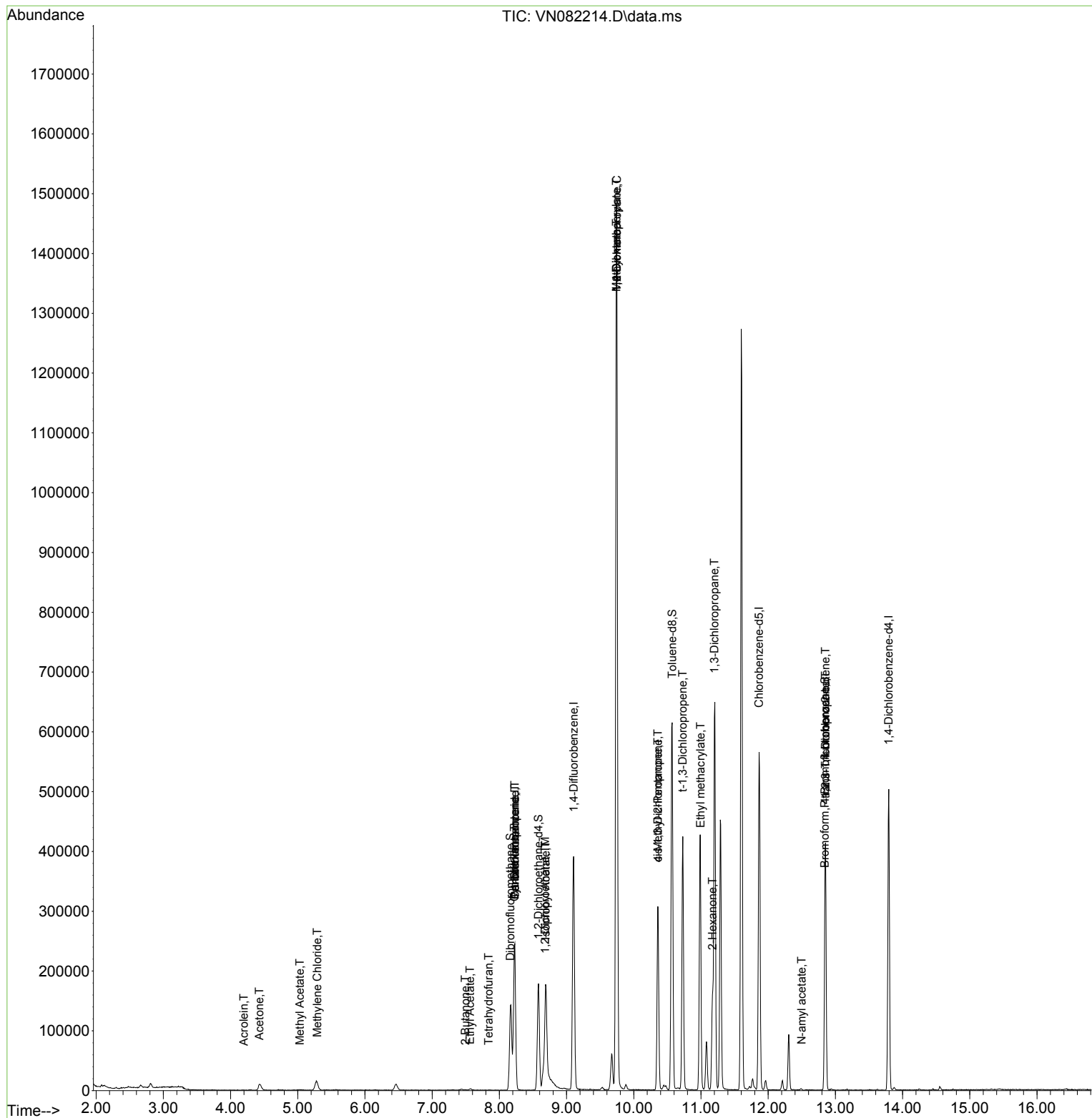
Internal Standards						
1) Pentafluorobenzene	8.229	168	170158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142999	53.222	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.440%			
35) Dibromofluoromethane	8.165	113	100412	53.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.100%			
50) Toluene-d8	10.571	98	401388	55.314	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.620%			
62) 4-Bromofluorobenzene	12.847	95	133949	51.717	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.440%			
Target Compounds						
					Qvalue	
13) Acrolein	4.200	56	66	0.207	ug/l #	1
16) Acetone	4.430	43	21394	19.410	ug/l #	81
18) Methyl Acetate	5.030	43	1222	0.445	ug/l #	47
20) Methylene Chloride	5.289	84	10827	4.869	ug/l #	87
25) 2-Butanone	7.494	43	1687	1.010	ug/l #	43
29) Tetrahydrofuran	7.841	42	320	0.298	ug/l #	29
31) Cyclohexane	8.224	56	4749	1.107	ug/l #	39
36) 1,1-Dichloropropene	8.229	75	16840	5.305	ug/l #	47
37) Ethyl Acetate	7.565	43	4444	1.251	ug/l #	70
38) Carbon Tetrachloride	8.229	117	18818	5.848	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	970	0.266	ug/l #	73
43) Isopropyl Acetate	8.688	43	265247	42.137	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1594	0.653	ug/l #	45
48) Methyl methacrylate	9.741	41	149850	49.959	ug/l #	37
49) 1,4-Dioxane	9.741	88	83	1.975	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	124559	34.827	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	759	0.217	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	47083	12.705	ug/l #	74
56) Ethyl methacrylate	10.994	69	1399	0.399	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5798	1.502	ug/l #	42
59) 2-Hexanone	11.170	43	131718	50.298	ug/l #	23
71) Bromoform	12.841	173	333	0.891	ug/l #	1
74) N-amyl acetate	12.500	43	1786	0.331	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	78782	30.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78782	70.971	ug/l #	13

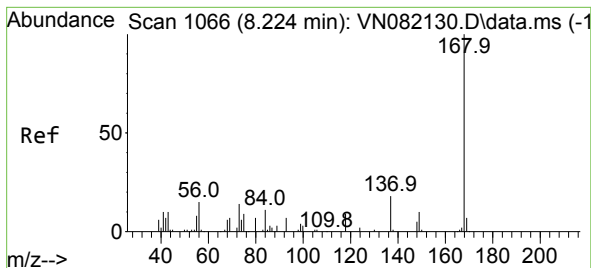
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

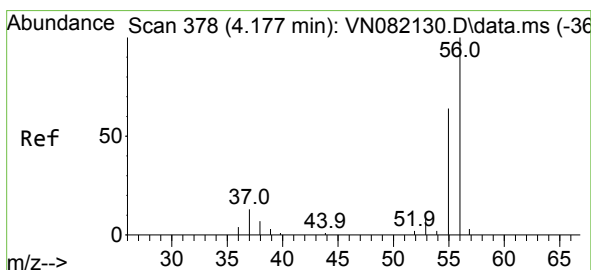
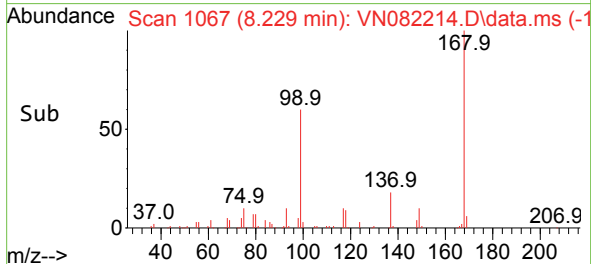
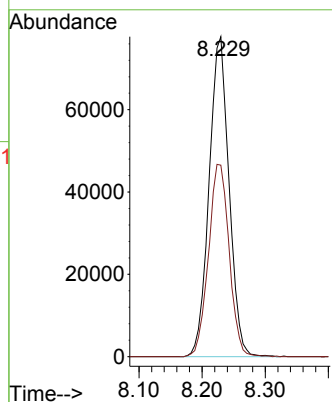
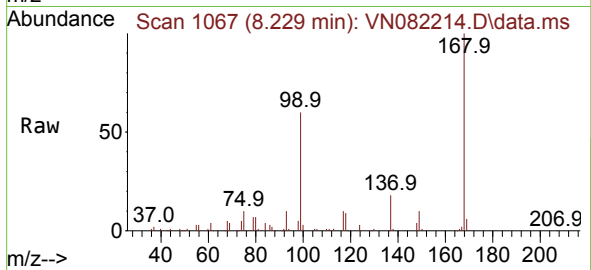
TP-13

Tgt Ion:168 Resp: 170158

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



#13

Acrolein

Concen: 0.207 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.023 min

Lab File: VN082214.D

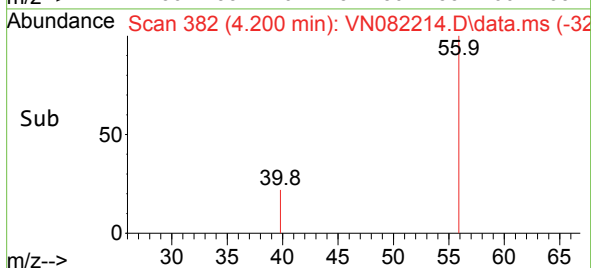
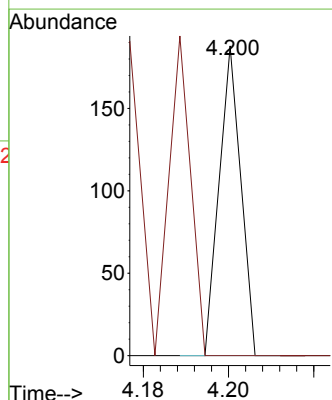
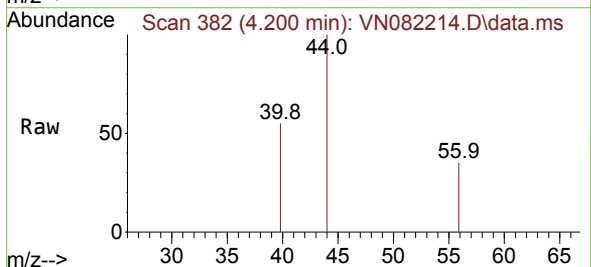
Acq: 20 May 2024 16:59

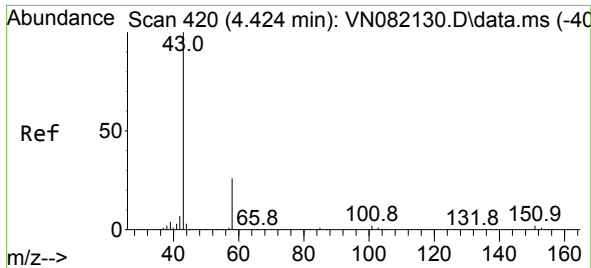
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 206.1 55.8 83.8#

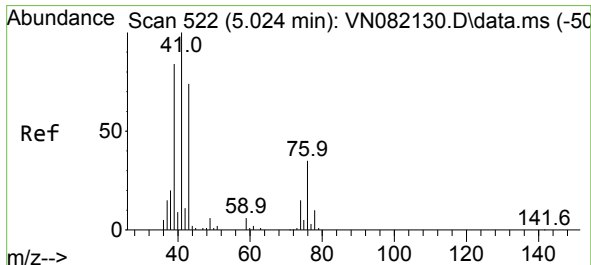
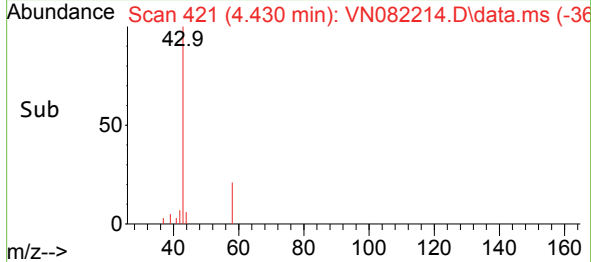
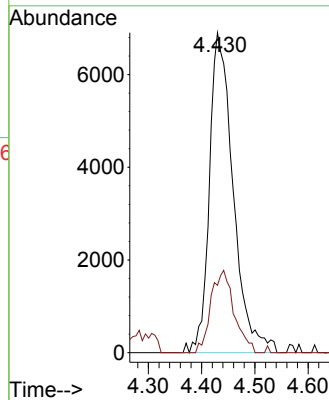
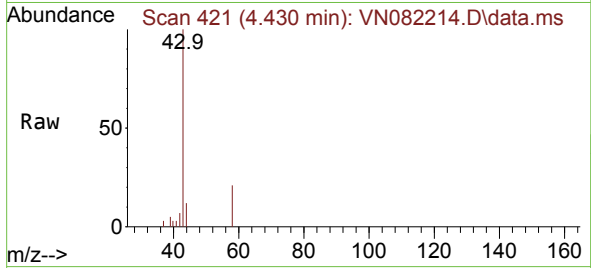




#16
Acetone
Concen: 19.410 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

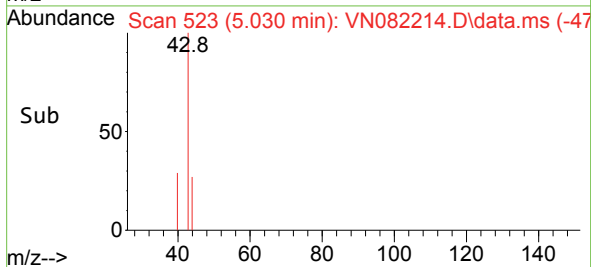
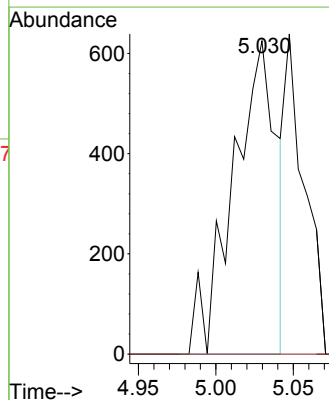
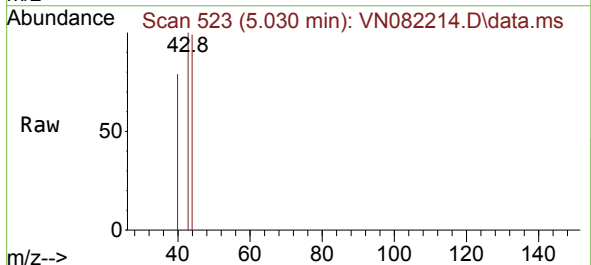
Instrument :
MSVOA_N
ClientSampleId :
TP-13

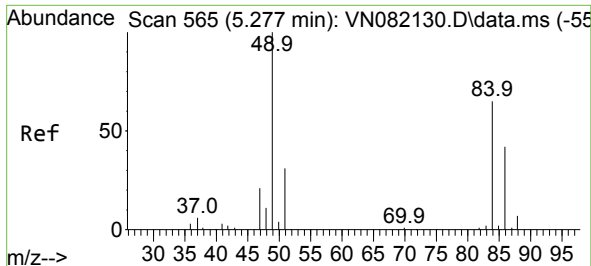
Tgt Ion: 43 Resp: 21394
Ion Ratio Lower Upper
43 100
58 21.0 25.2 37.8#



#18
Methyl Acetate
Concen: 0.445 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

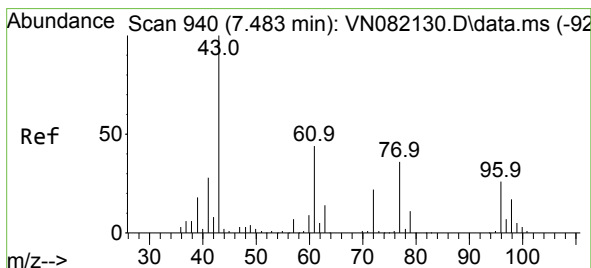
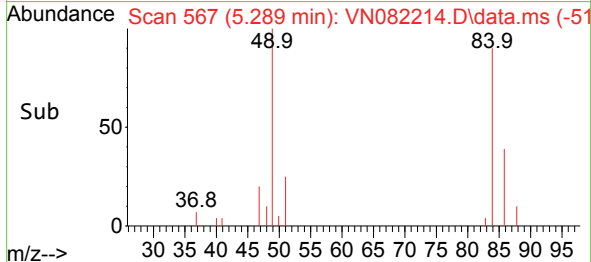
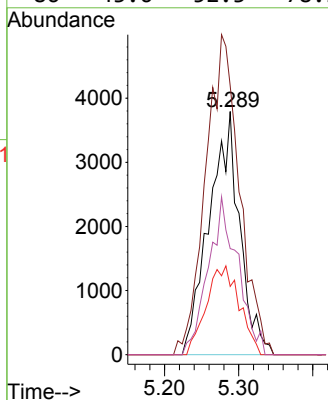
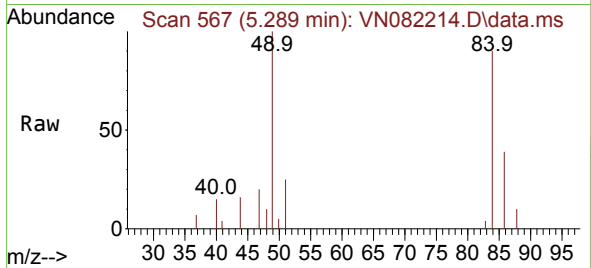




#20
Methylene Chloride
Concen: 4.869 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

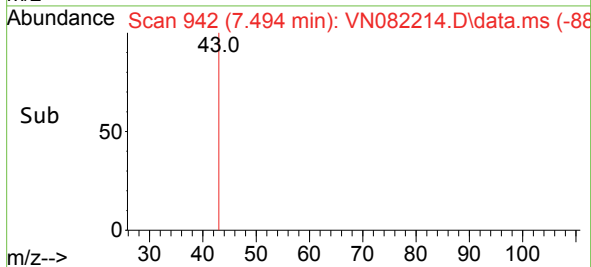
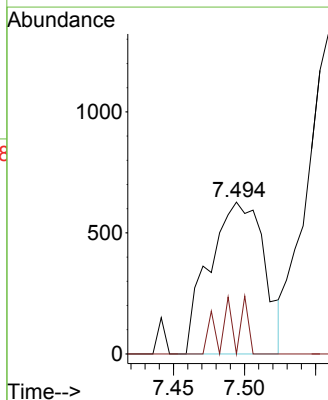
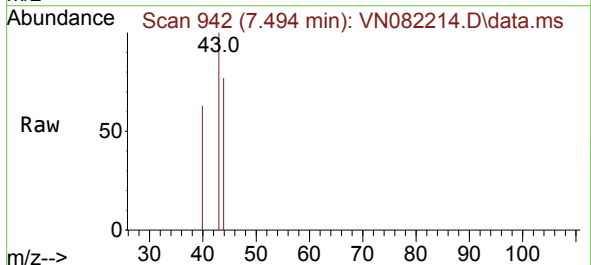
Instrument :
MSVOA_N
ClientSampleId :
TP-13

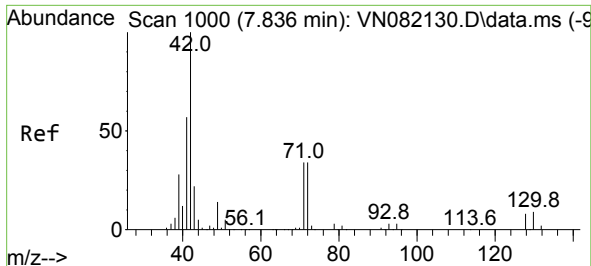
Tgt Ion:	84	Resp:	10827
Ion	Ratio	Lower	Upper
84	100		
49	110.5	84.9	127.3
51	28.1	27.0	40.6
86	43.6	52.3	78.5#



#25
2-Butanone
Concen: 1.010 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion:	43	Resp:	1687
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

TP-13

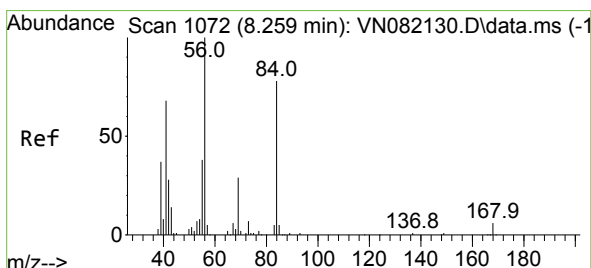
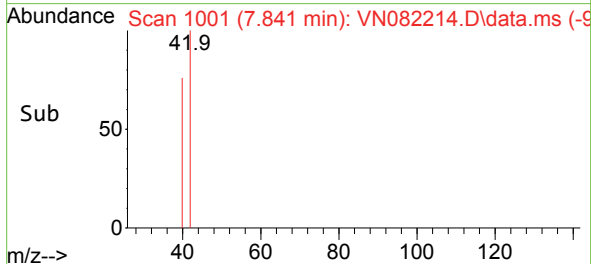
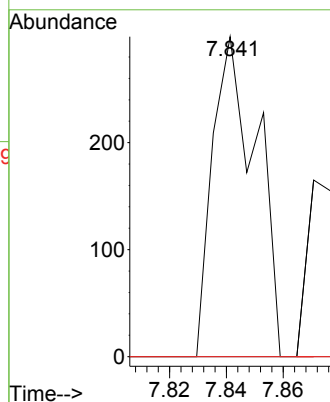
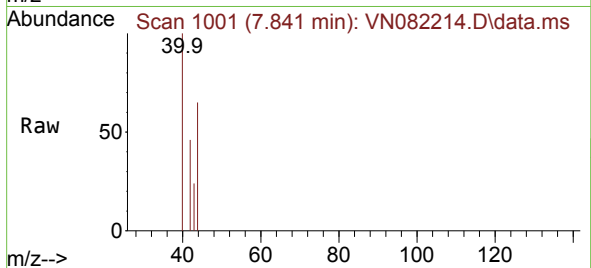
Tgt Ion: 42 Resp: 320

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

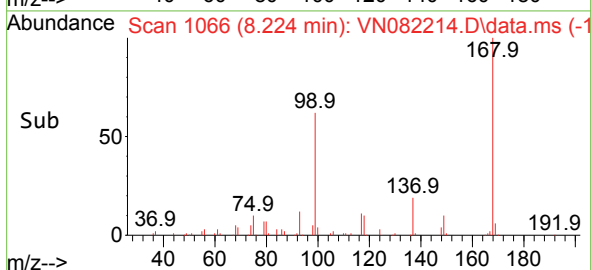
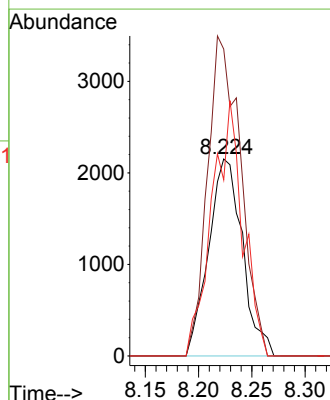
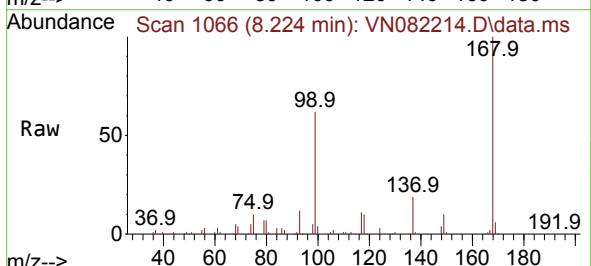
Tgt Ion: 56 Resp: 4749

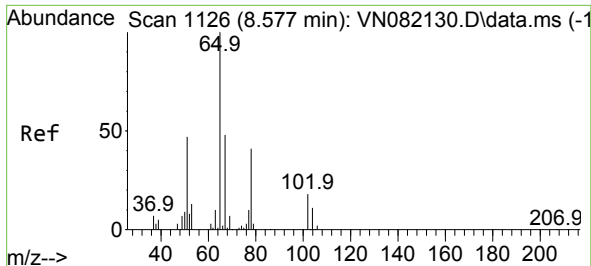
Ion Ratio Lower Upper

56 100

69 155.8 24.4 36.6#

84 89.3 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.222 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082214.D

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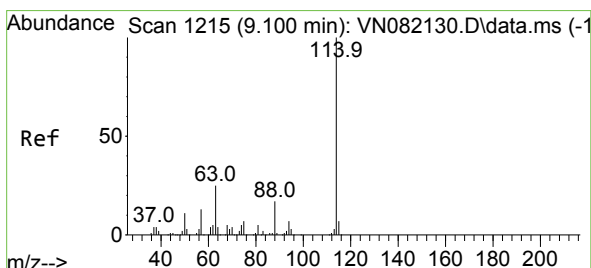
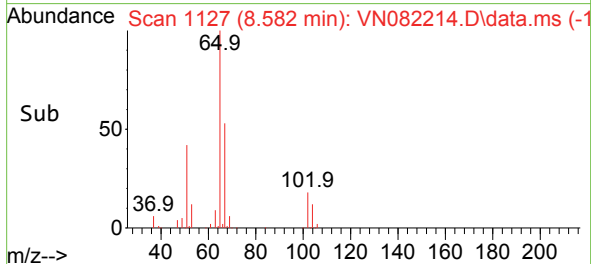
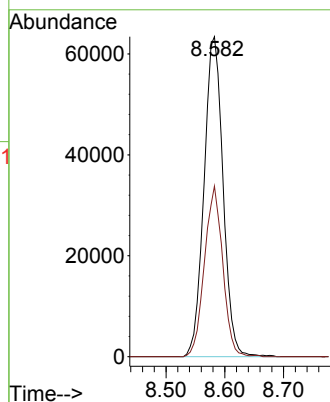
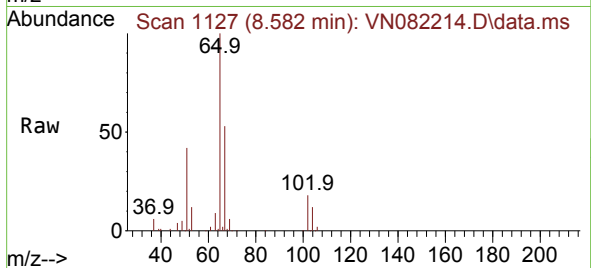
TP-13

Tgt Ion: 65 Resp: 142999

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# 1216

Delta R.T. 0.006 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

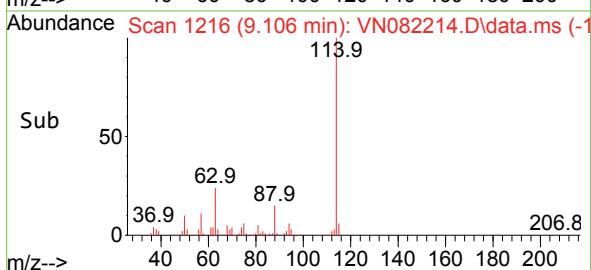
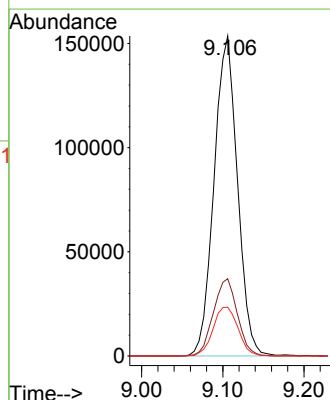
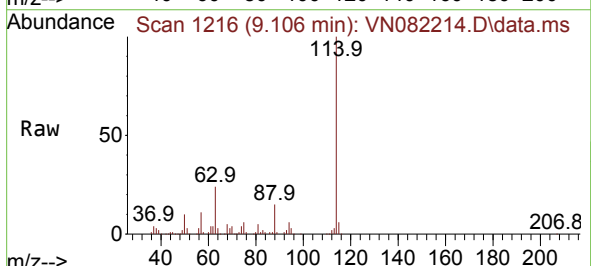
Tgt Ion: 114 Resp: 307682

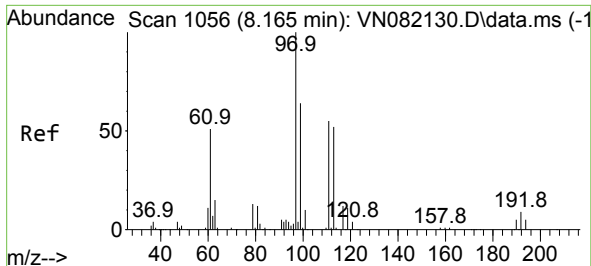
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.0

88 15.2 0.0 31.4

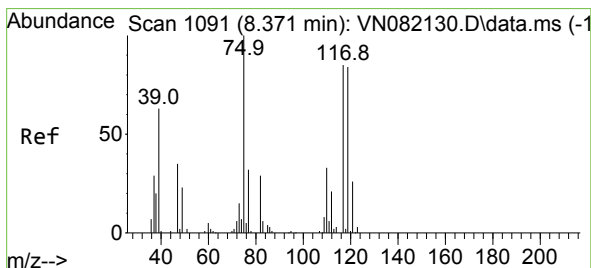
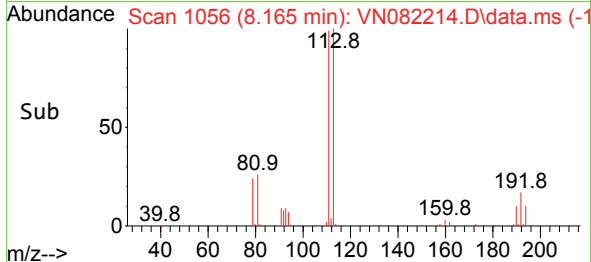
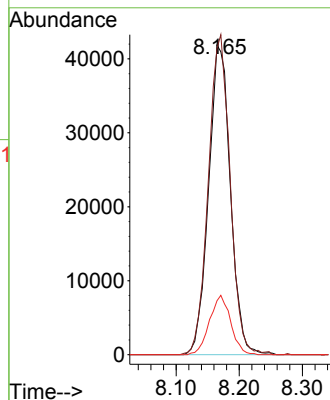
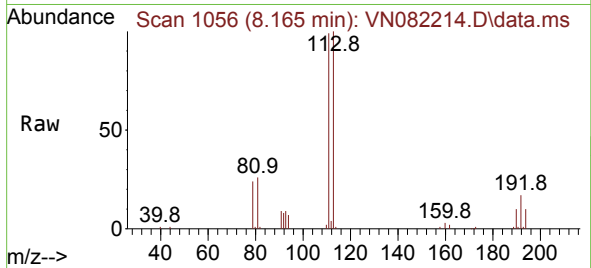




#35
Dibromofluoromethane
Concen: 53.052 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

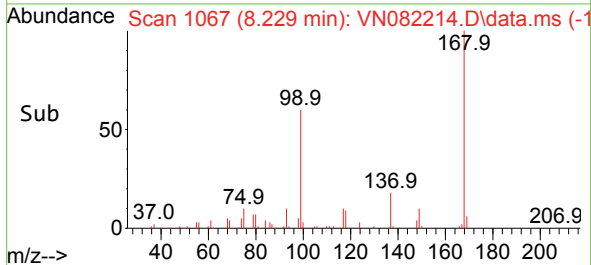
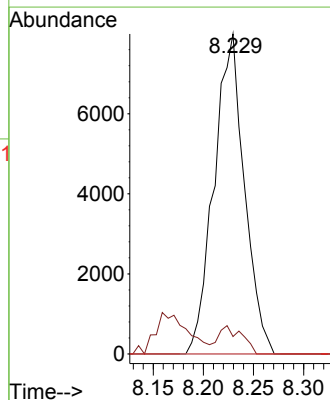
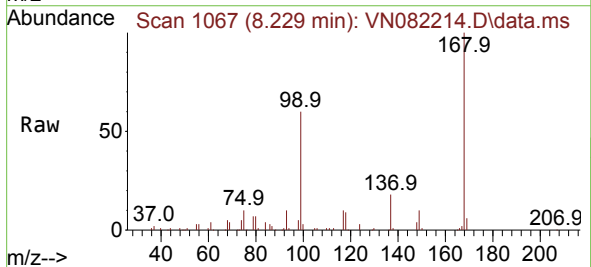
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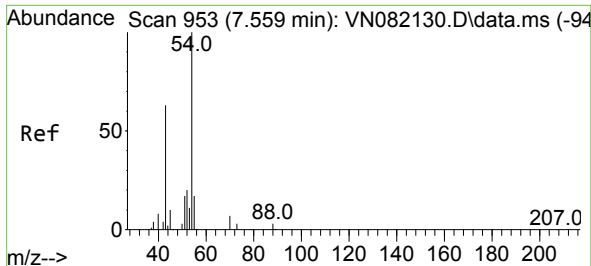
Tgt Ion:113 Resp: 100412
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.6 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 75 Resp: 16840
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 25.0 37.4#

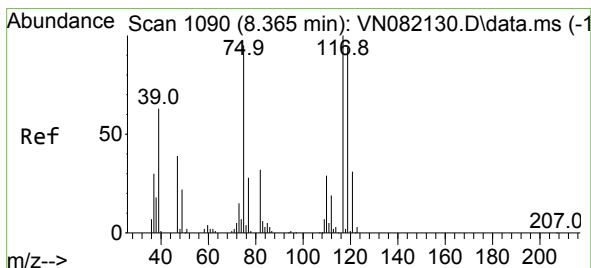
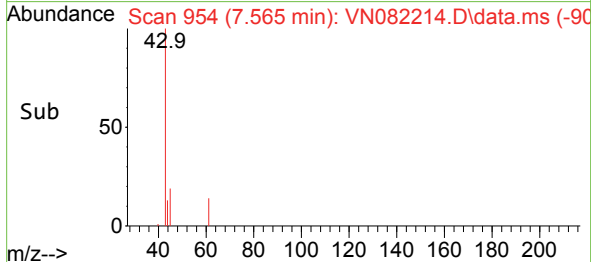
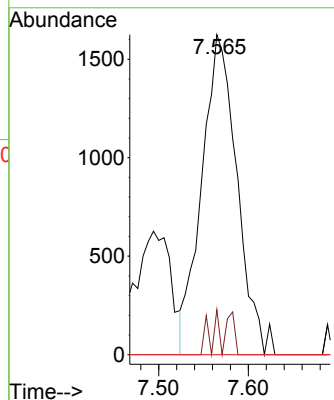
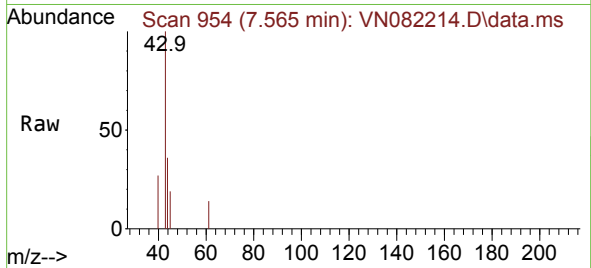




#37
Ethyl Acetate
Concen: 1.251 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

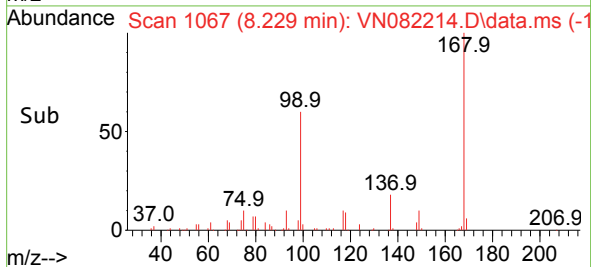
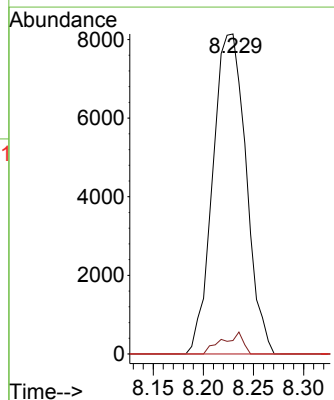
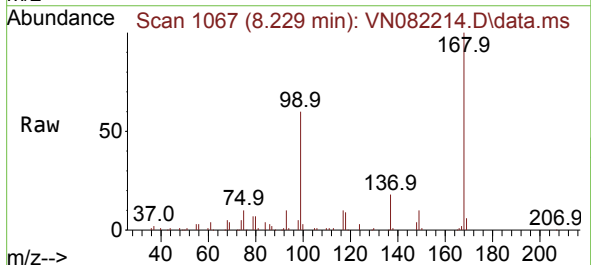
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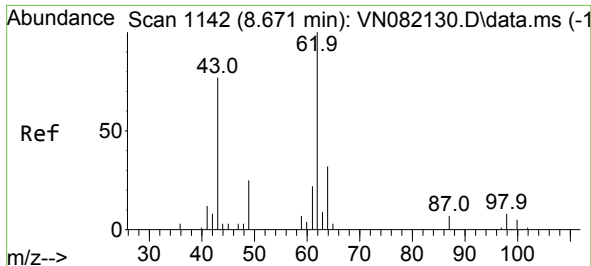
Tgt Ion: 43 Resp: 4444
Ion Ratio Lower Upper
43 100
61 1.8 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.848 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 117 Resp: 18818
Ion Ratio Lower Upper
117 100
119 4.2 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

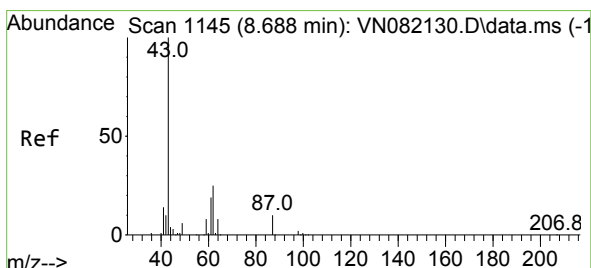
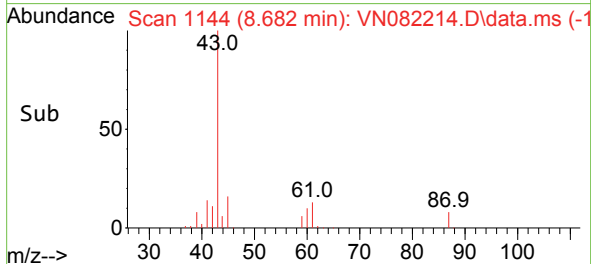
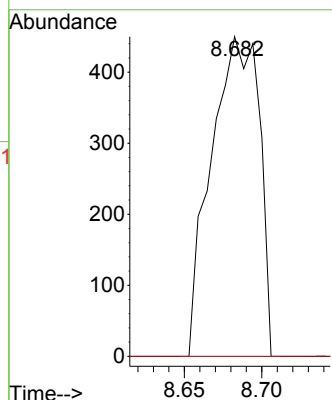
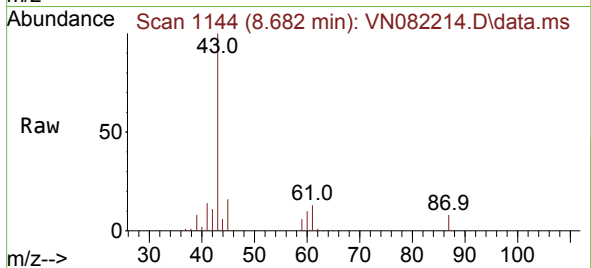
TP-13

Tgt Ion: 62 Resp: 970

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 42.137 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

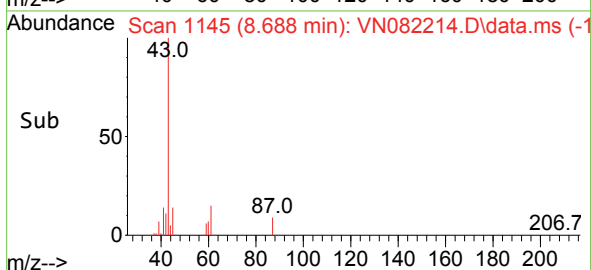
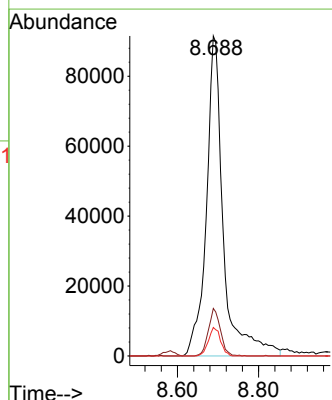
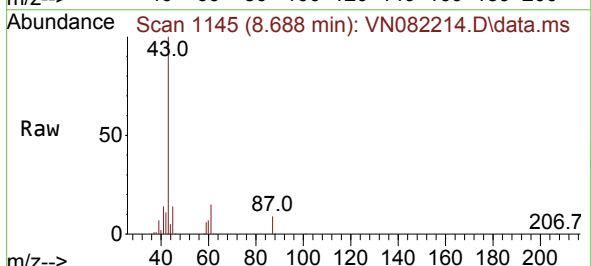
Tgt Ion: 43 Resp: 265247

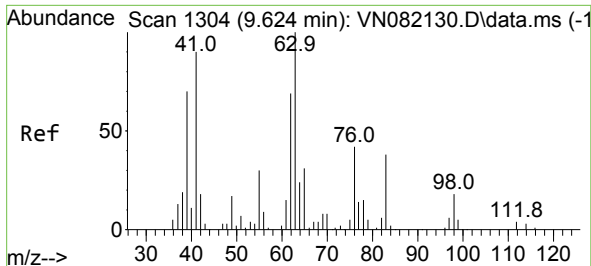
Ion Ratio Lower Upper

43 100

61 10.6 22.8 34.2#

87 6.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.653 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

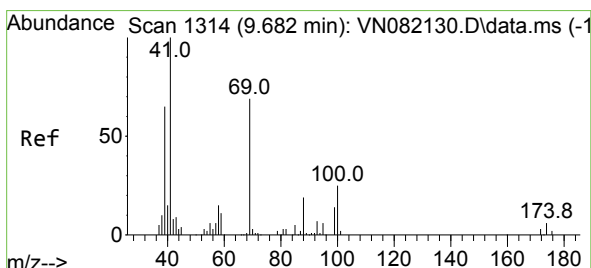
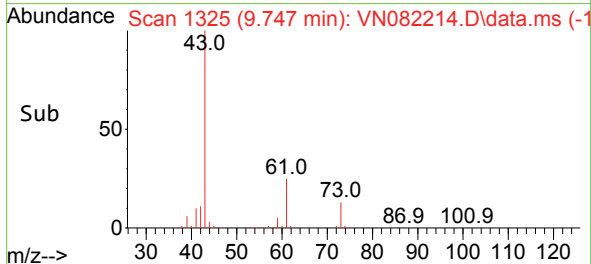
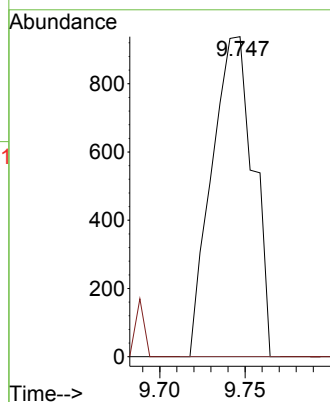
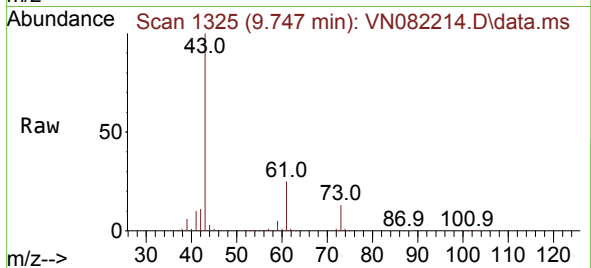
TP-13

Tgt Ion: 63 Resp: 1594

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 49.959 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

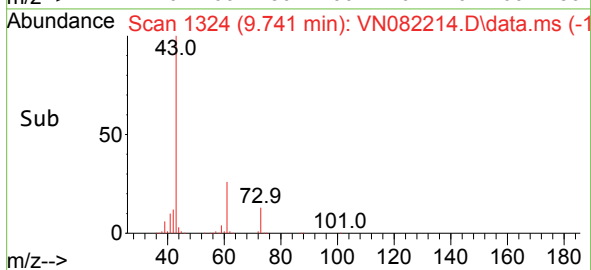
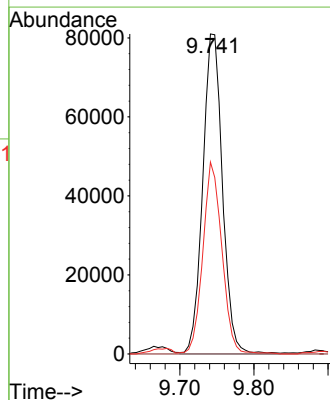
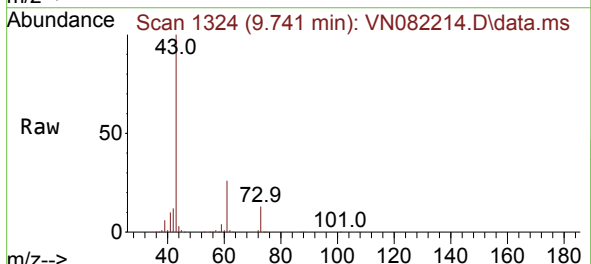
Tgt Ion: 41 Resp: 149850

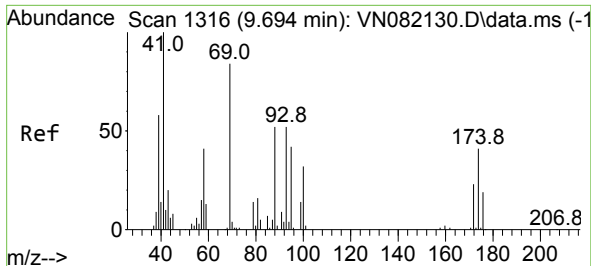
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.9 50.9 76.3





#49

1,4-Dioxane

Concen: 1.975 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN082214.D

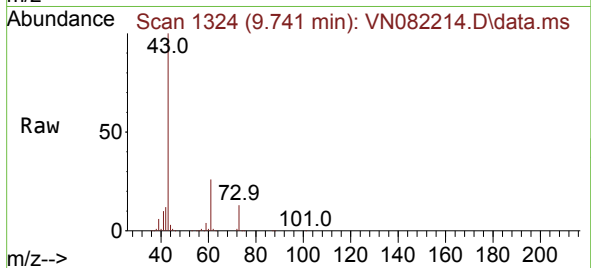
Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

TP-13



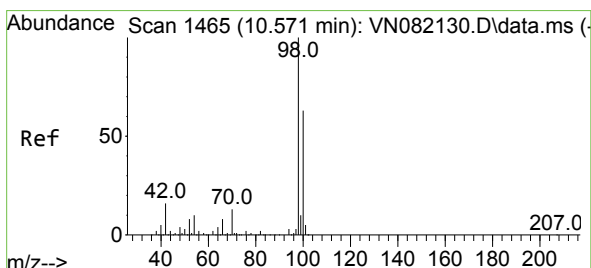
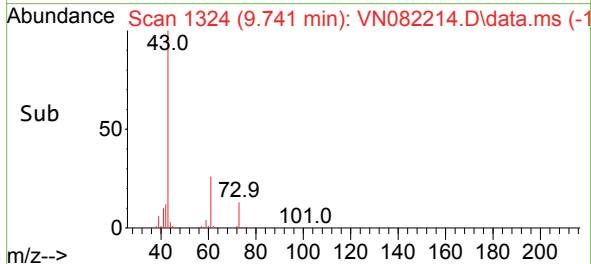
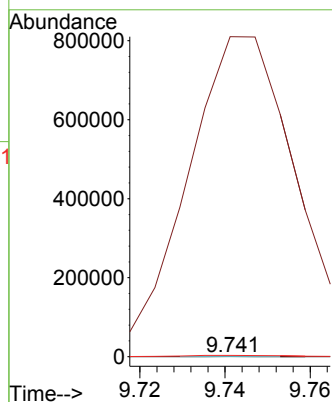
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 1779244.6 19.0 28.6#

58 7469.9 50.6 76.0#



#50

Toluene-d8

Concen: 55.314 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082214.D

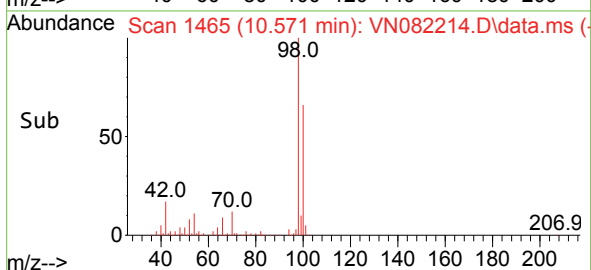
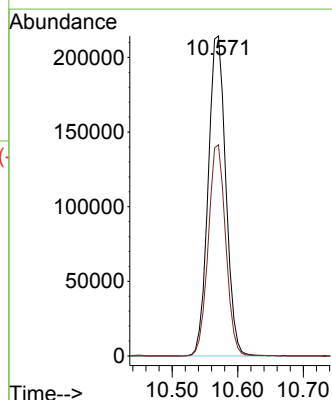
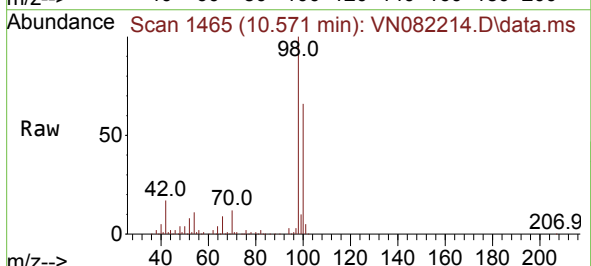
Acq: 20 May 2024 16:59

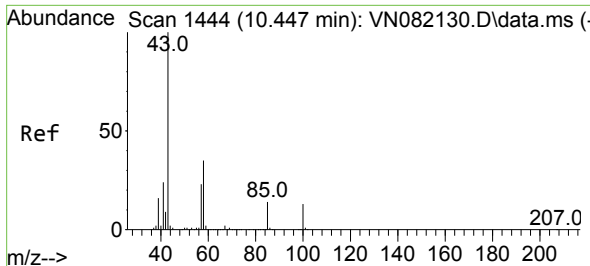
Tgt Ion: 98 Resp: 401388

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.6

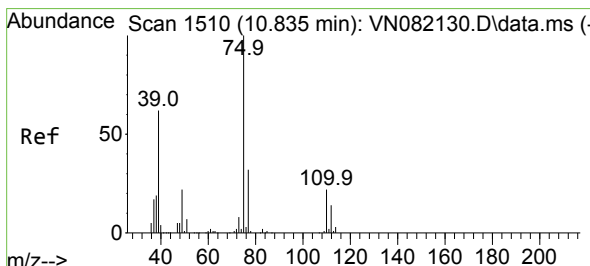
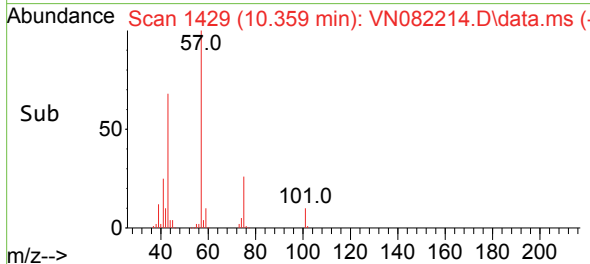
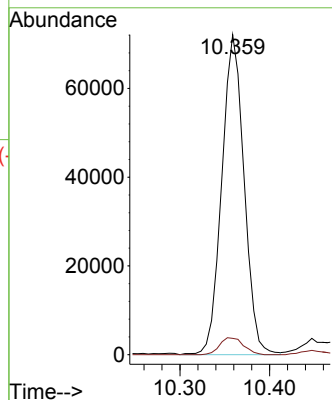
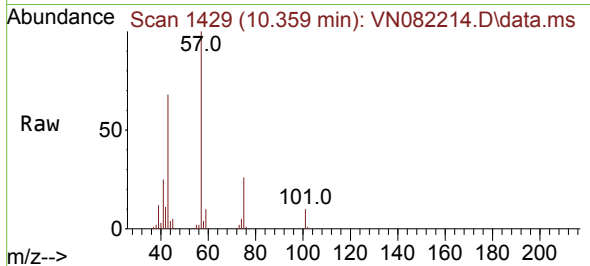




#51
4-Methyl-2-Pentanone
Concen: 34.827 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

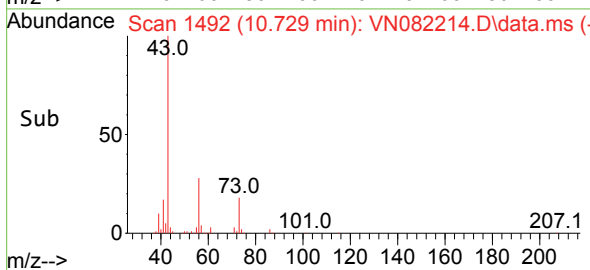
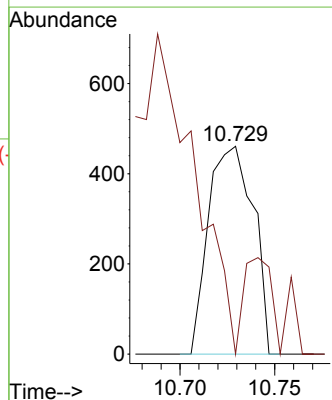
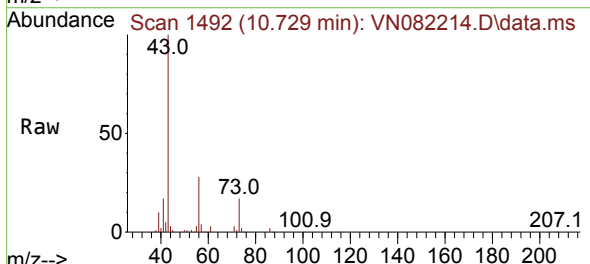
Instrument :
MSVOA_N
ClientSampleId :
TP-13

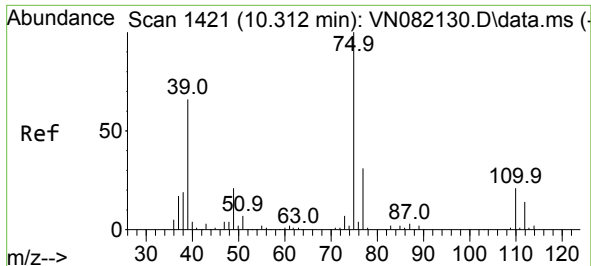
Tgt Ion: 43 Resp: 124559
Ion Ratio Lower Upper
43 100
58 5.7 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.217 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 75 Resp: 759
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

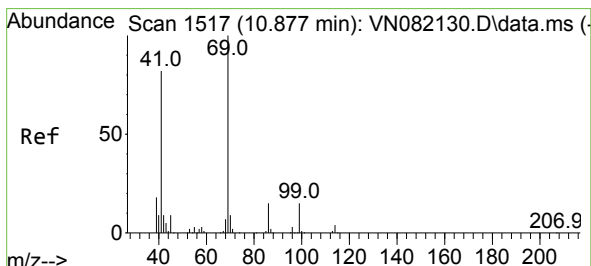
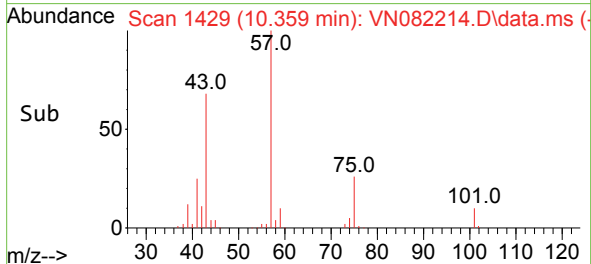
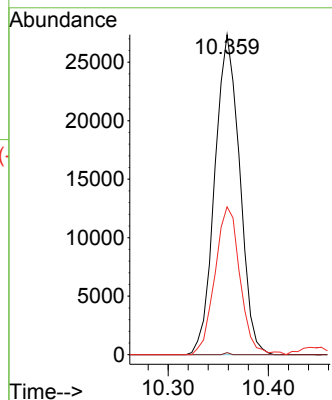
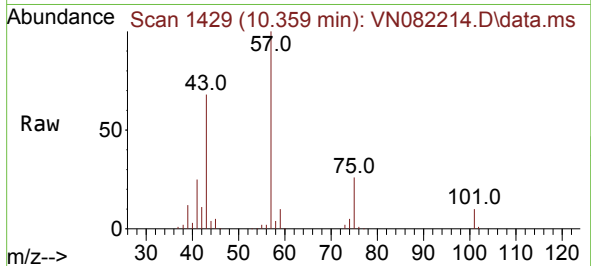




#54
 cis-1,3-Dichloropropene
 Concen: 12.705 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082214.D
 Acq: 20 May 2024 16:59

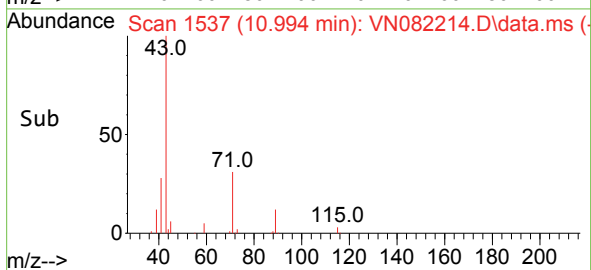
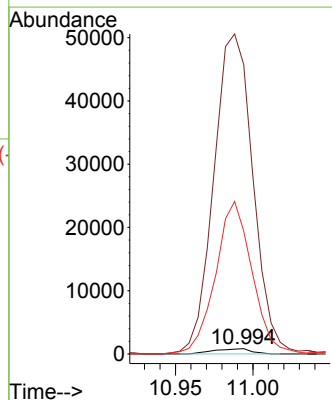
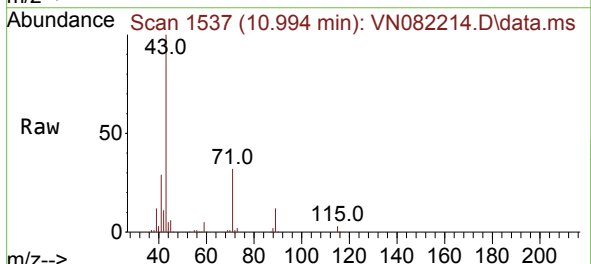
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

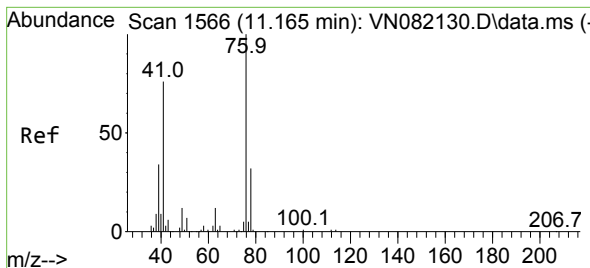
Tgt Ion: 75 Resp: 47083
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 46.2 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.399 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082214.D
 Acq: 20 May 2024 16:59

Tgt Ion: 69 Resp: 1399
 Ion Ratio Lower Upper
 69 100
 41 6374.3 46.6 70.0#
 39 2831.5 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.502 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

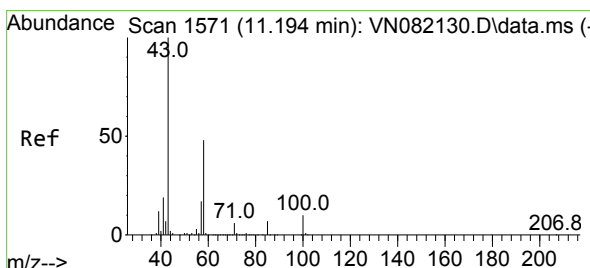
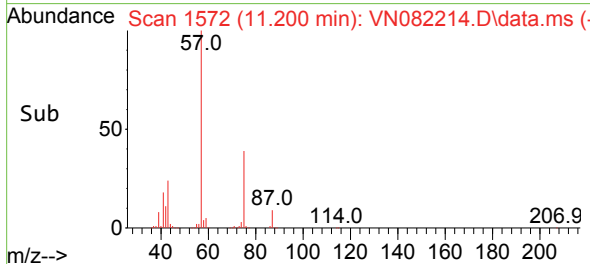
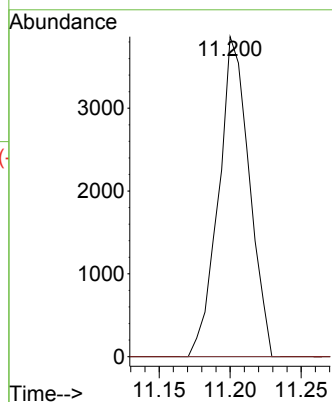
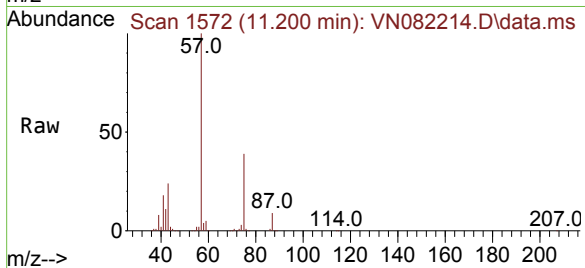
TP-13

Tgt Ion: 76 Resp: 5798

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 50.298 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082214.D

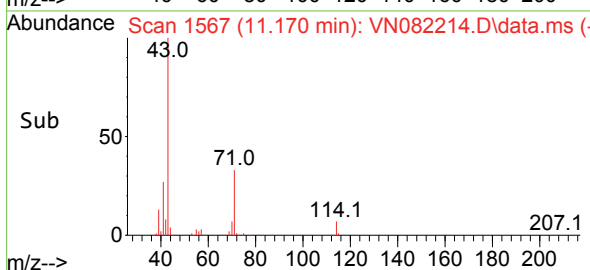
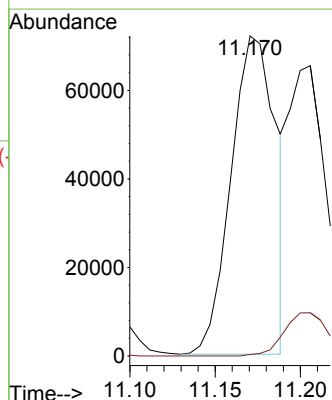
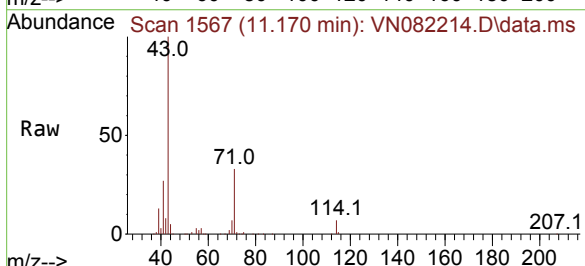
Acq: 20 May 2024 16:59

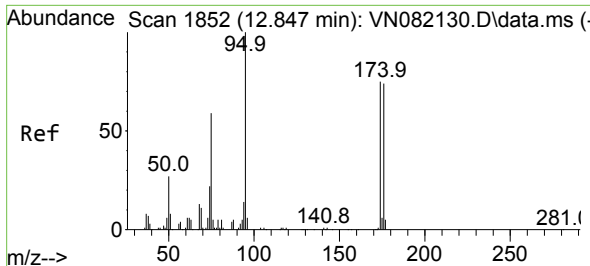
Tgt Ion: 43 Resp: 131718

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

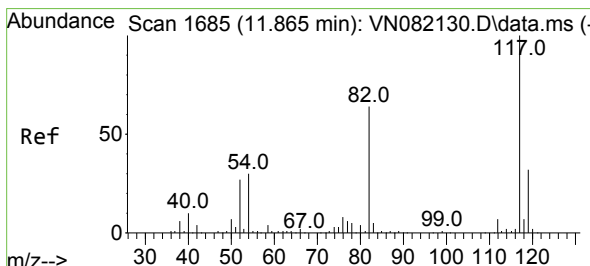
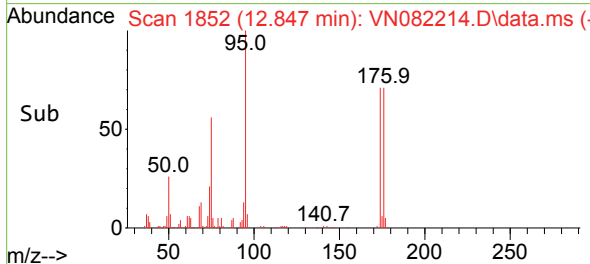
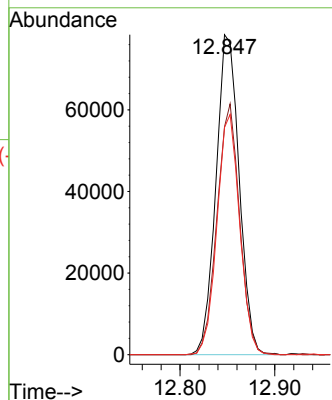
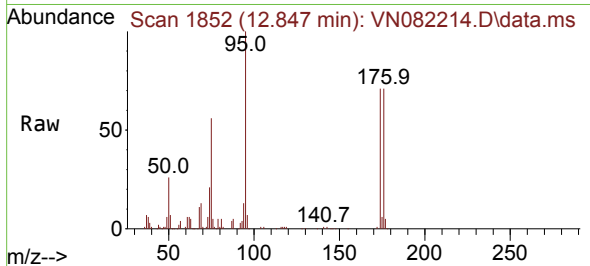




#62
4-Bromofluorobenzene
Concen: 51.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

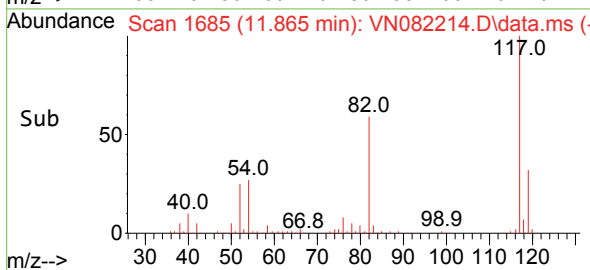
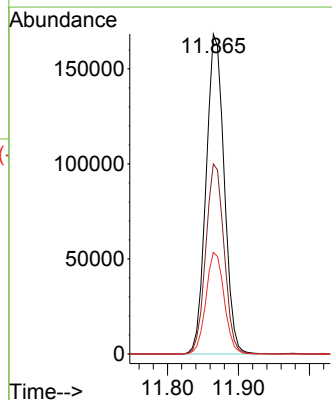
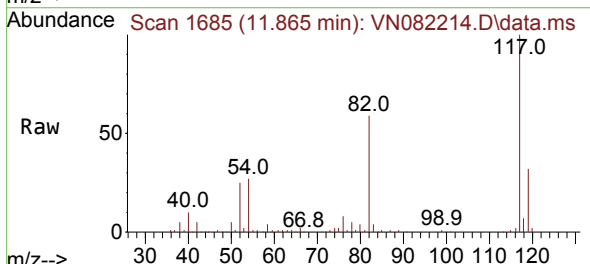
Instrument :
MSVOA_N
ClientSampleId :
TP-13

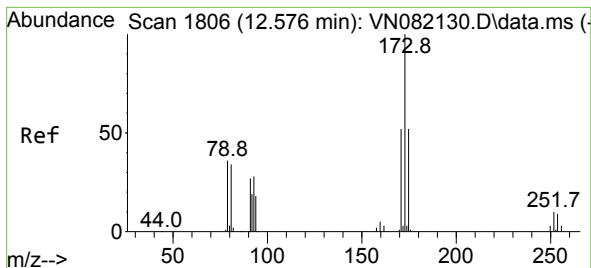
Tgt Ion: 95 Resp: 133949
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 72.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 117 Resp: 298343
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 31.7 25.9 38.9





#71

Bromoform

Concen: 0.891 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

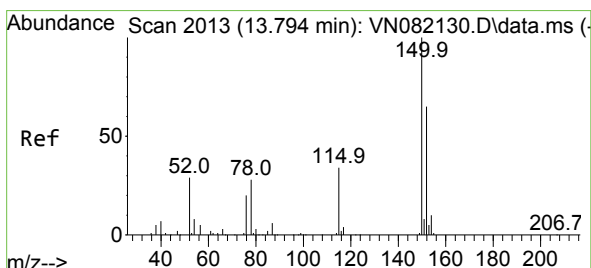
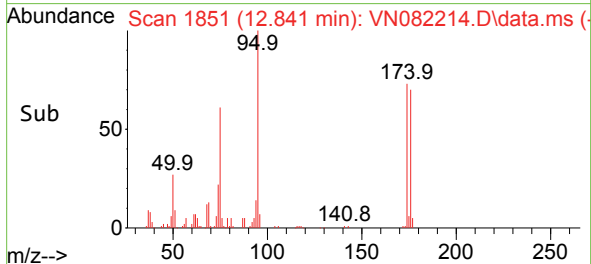
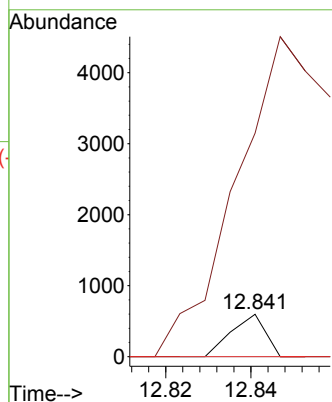
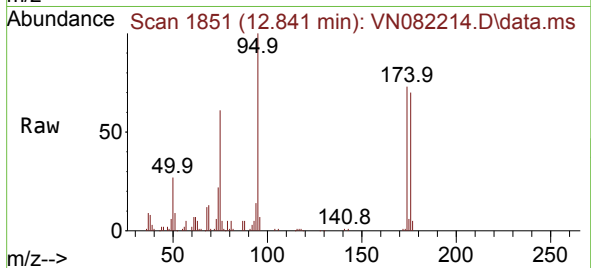
Instrument :

MSVOA_N

ClientSampleId :

TP-13

Tgt Ion:173	Resp:	333
Ion Ratio	Lower	Upper
173	100	
175	1632.1	24.6 74.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

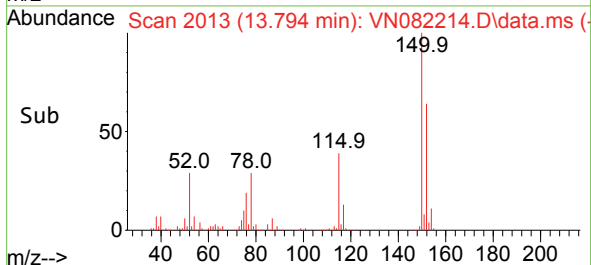
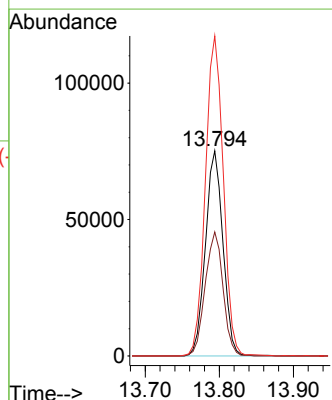
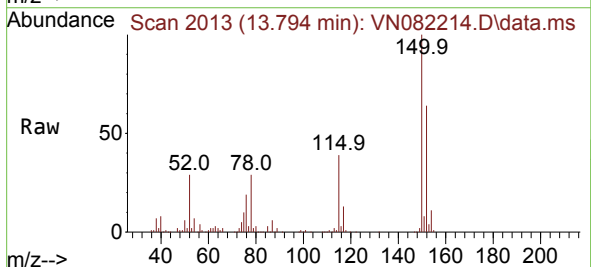
RT: 13.794 min Scan# 2013

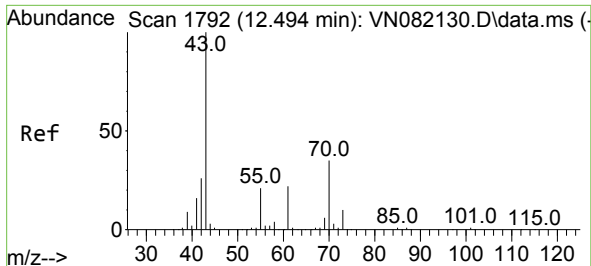
Delta R.T. -0.000 min

Lab File: VN082214.D

Acq: 20 May 2024 16:59

Tgt Ion:152	Resp:	123358
Ion Ratio	Lower	Upper
152	100	
115	61.6	30.4 91.3
150	159.2	0.0 353.2

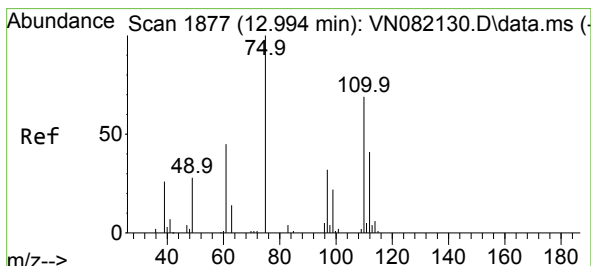
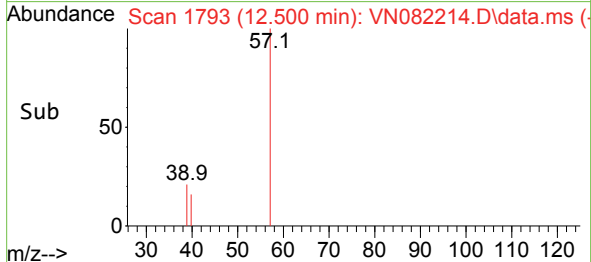
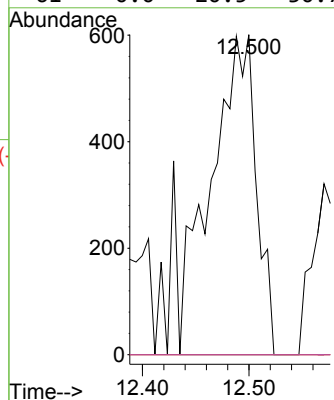
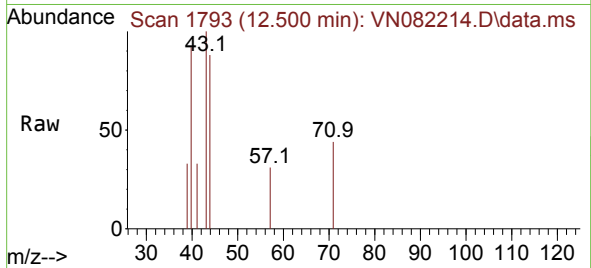




#74
N-amy1 acetate
Concen: 0.331 ug/l
RT: 12.500 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

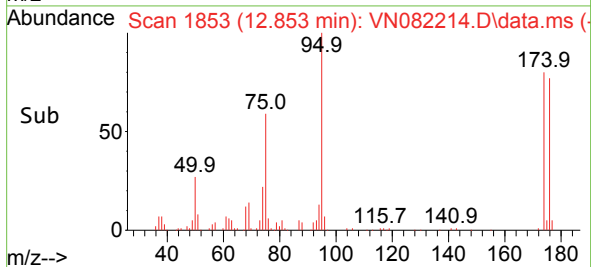
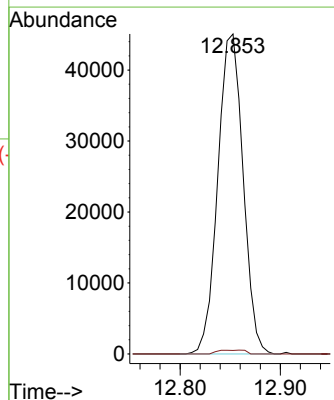
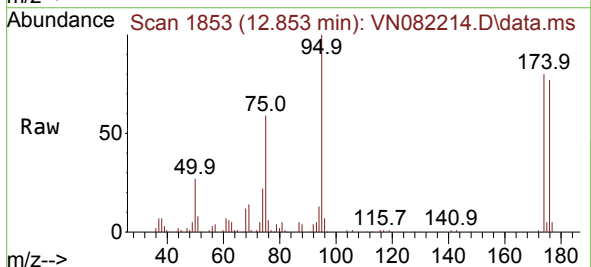
Instrument :
MSVOA_N
ClientSampleId :
TP-13

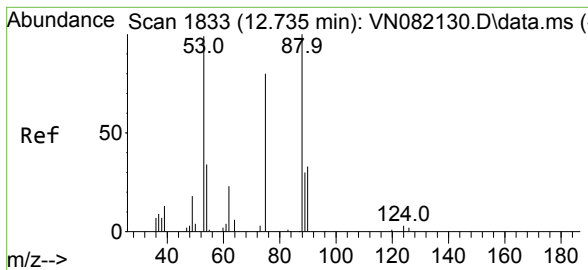
Tgt Ion: 43	Resp: 1786
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.343 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082214.D
Acq: 20 May 2024 16:59

Tgt Ion: 75	Resp: 78782
Ion Ratio	Lower Upper
75 100	
77 1.3	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.971 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082214.D
 Acq: 20 May 2024 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Tgt Ion: 75 Resp: 78782
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.1 39.1 58.7#

