

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082213.D
 Acq On : 20 May 2024 16:34
 Operator : JC\MD
 Sample : P2512-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPI

Quant Time: May 21 03:49:50 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	165894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	300530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	139271	53.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.340%			
35) Dibromofluoromethane	8.171	113	96134	52.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8	10.570	98	391710	55.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.520%			
62) 4-Bromofluorobenzene	12.847	95	128130	50.648	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.300%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	366	0.250	ug/l	96
13) Acrolein	4.189	56	379	1.216	ug/l #	39
16) Acetone	4.436	43	31190	29.026	ug/l #	88
18) Methyl Acetate	5.036	43	2194	0.820	ug/l #	52
20) Methylene Chloride	5.277	84	8200	3.782	ug/l #	75
25) 2-Butanone	7.488	43	5038	3.092	ug/l #	87
29) Tetrahydrofuran	7.847	42	212	0.203	ug/l #	29
31) Cyclohexane	8.224	56	4827	1.154	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	15113	4.874	ug/l #	49
37) Ethyl Acetate	7.565	43	4505	1.298	ug/l #	82
38) Carbon Tetrachloride	8.229	117	18270	5.813	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	876	0.246	ug/l #	73
43) Isopropyl Acetate	8.688	43	195842	31.852	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1663	0.697	ug/l #	45
48) Methyl methacrylate	9.671	41	4544	1.551	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	120797	34.579	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	756	0.221	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	45602	12.598	ug/l #	75
56) Ethyl methacrylate	10.988	69	1467	0.429	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6145	1.630	ug/l #	42
59) 2-Hexanone	11.206	43	94274	36.856	ug/l #	48
71) Bromoform	12.847	173	1096	1.350	ug/l #	1
74) N-amyl acetate	12.488	43	1599	0.303	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	76210	30.001	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76210	70.170	ug/l #	12

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

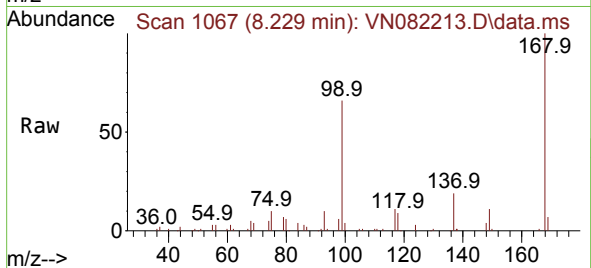
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



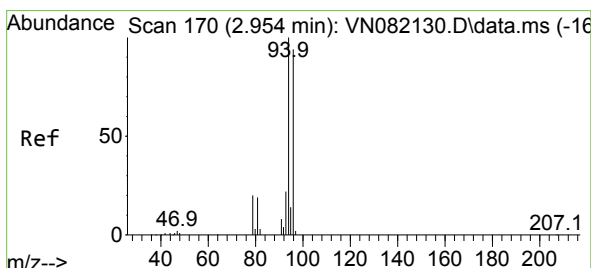
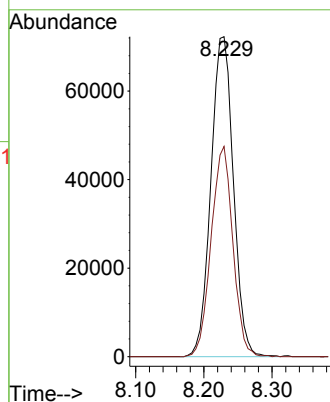
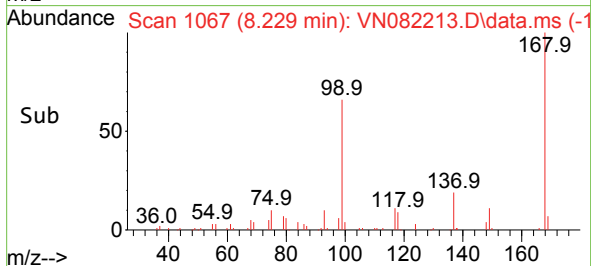


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

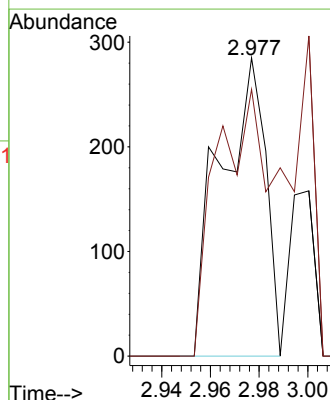
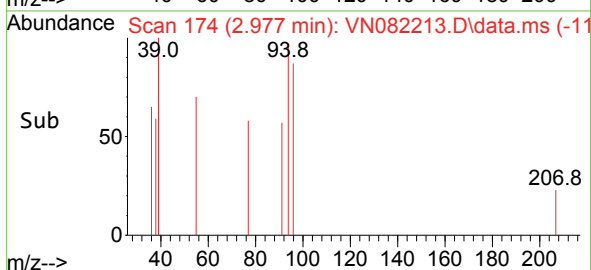
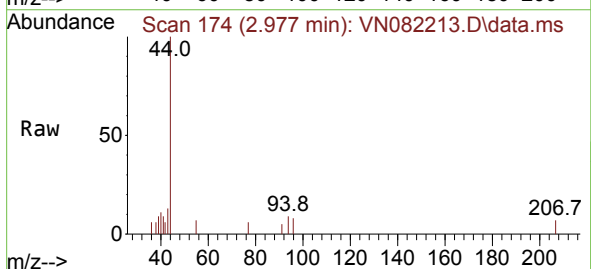


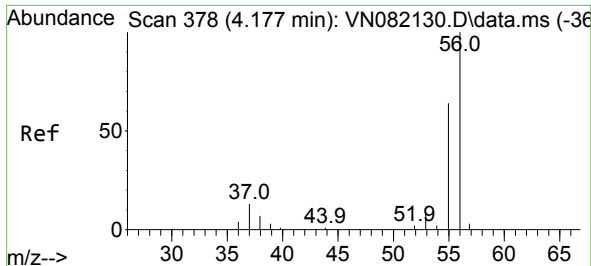
Tgt Ion:168 Resp: 165894
Ion Ratio Lower Upper
168 100
99 65.7 48.2 72.4



#5
Bromomethane
Concen: 0.250 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 89.5 74.8 112.2

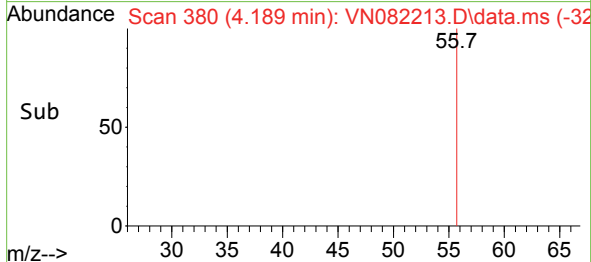
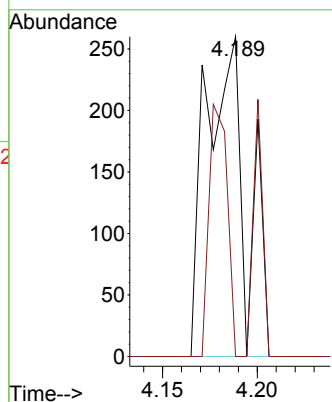
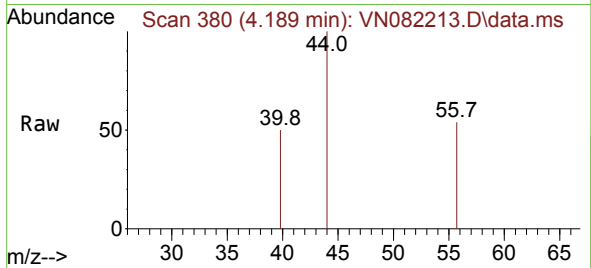




#13
Acrolein
Concen: 1.216 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

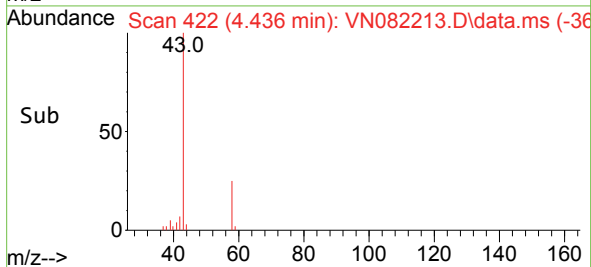
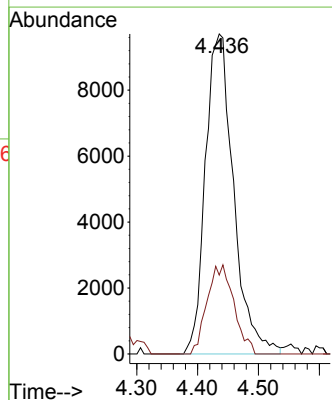
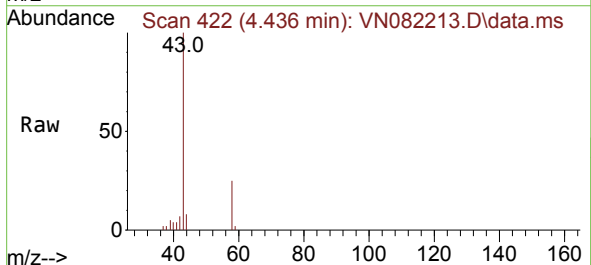
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 19.5 55.8 83.8#



#16
Acetone
Concen: 29.026 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 43 Resp: 31190
Ion Ratio Lower Upper
43 100
58 24.7 25.2 37.8#

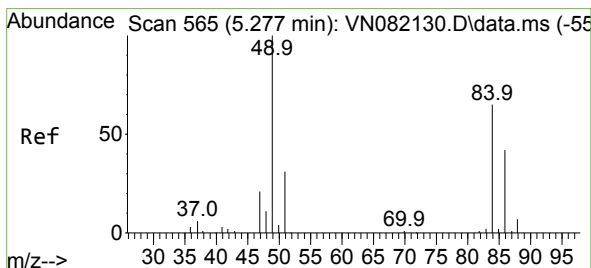
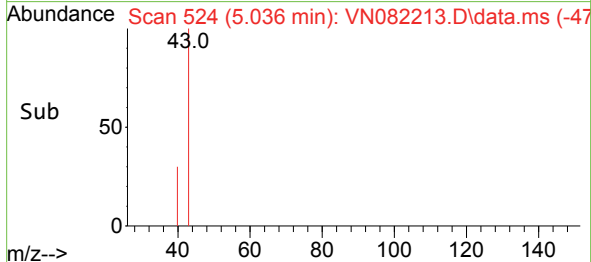
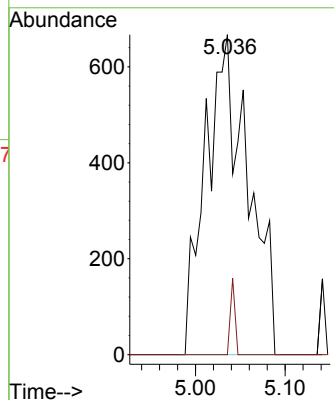
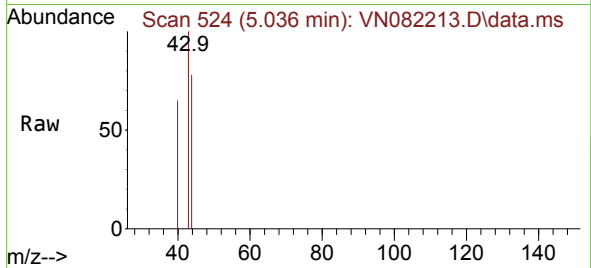




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

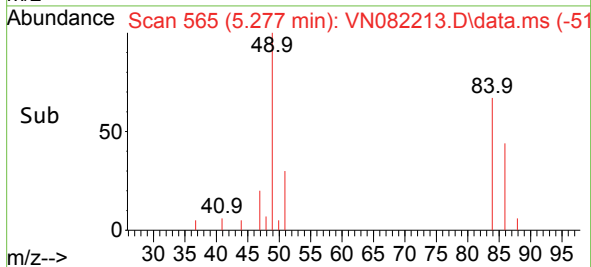
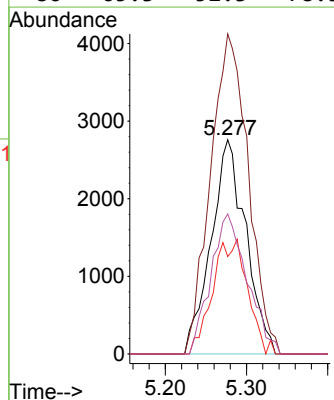
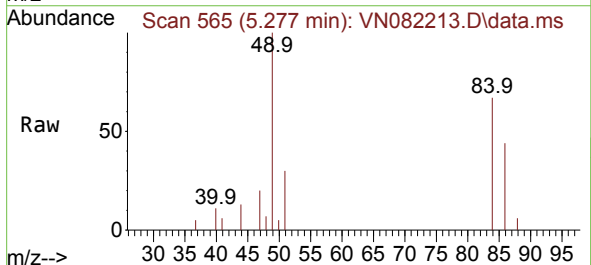
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

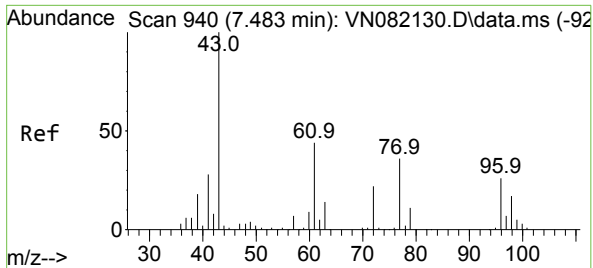
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
74 2.6 22.2 33.2#



#20
Methylene Chloride
Concen: 3.782 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 84 Resp: 8200
Ion Ratio Lower Upper
84 100
49 149.3 84.9 127.3#
51 45.5 27.0 40.6#
86 65.3 52.3 78.5

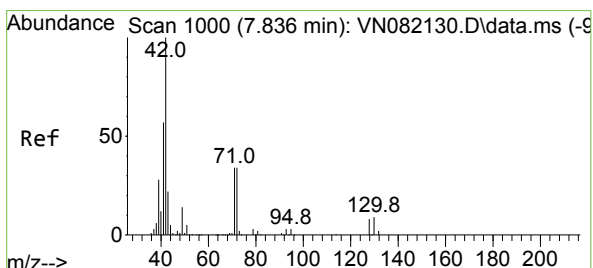
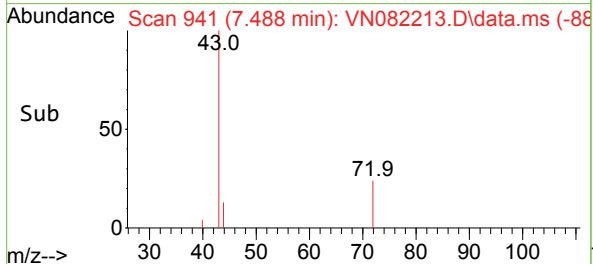
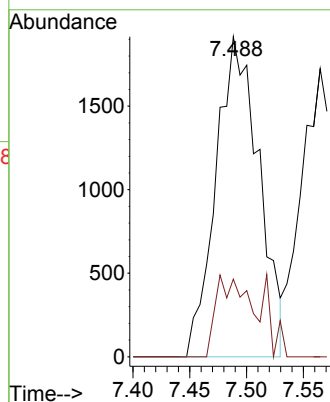
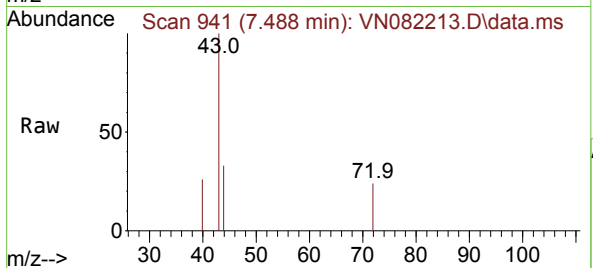




#25
2-Butanone
Concen: 3.092 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

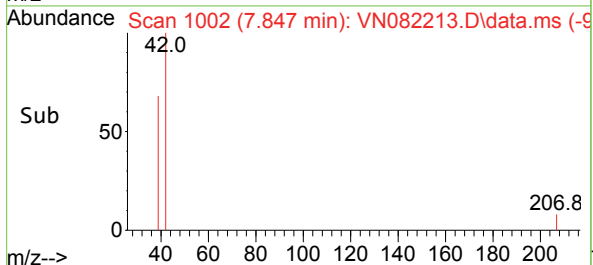
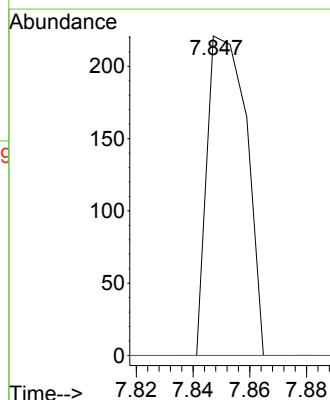
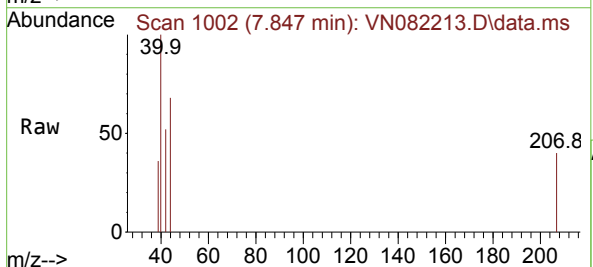
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

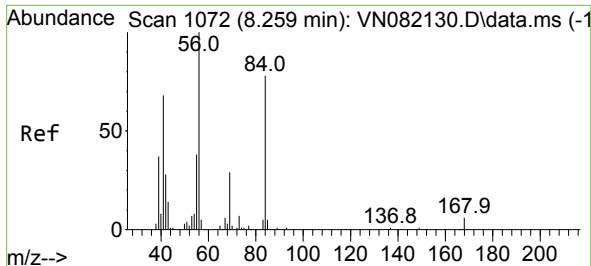
Tgt Ion: 43 Resp: 5038
Ion Ratio Lower Upper
43 100
72 24.3 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 42 Resp: 212
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

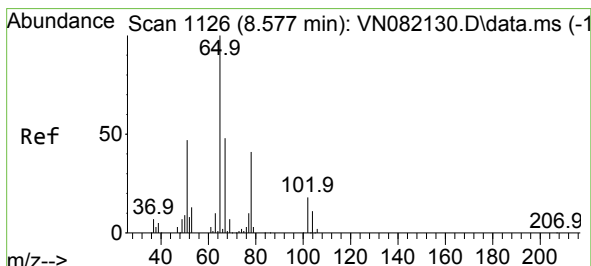
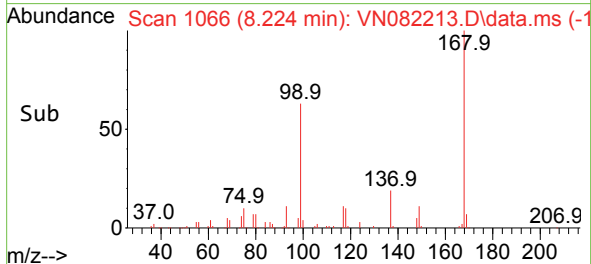
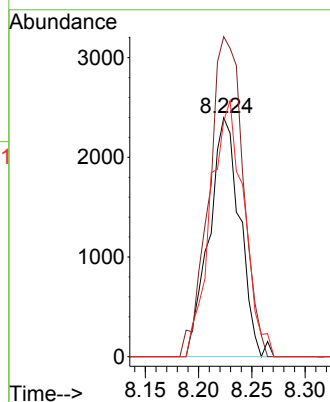
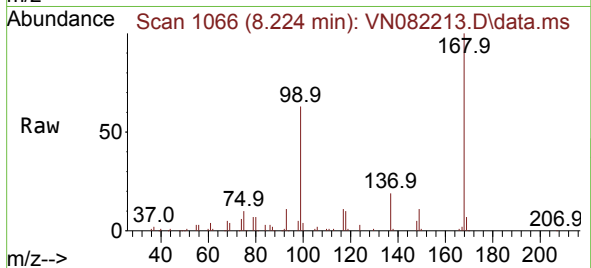




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

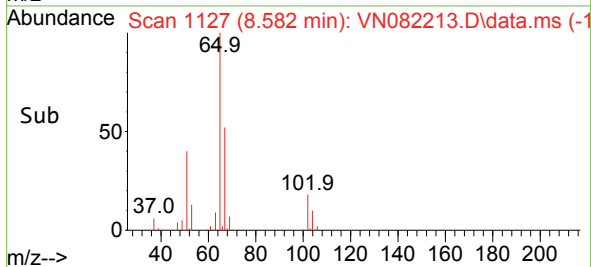
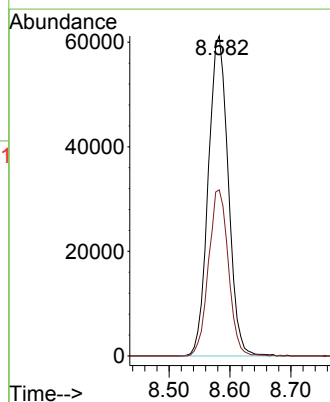
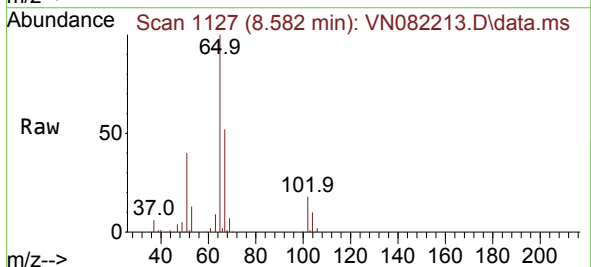
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

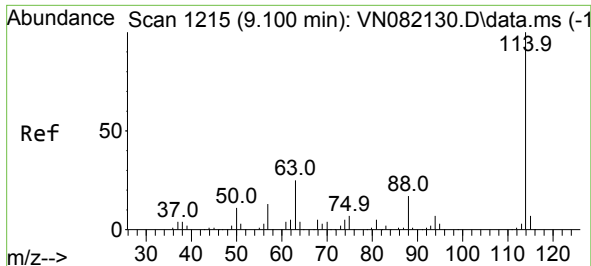
Tgt Ion: 56 Resp: 4827
Ion Ratio Lower Upper
56 100
69 133.9 24.4 36.6#
84 98.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.167 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 65 Resp: 139271
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082213.D

Acq: 20 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPI

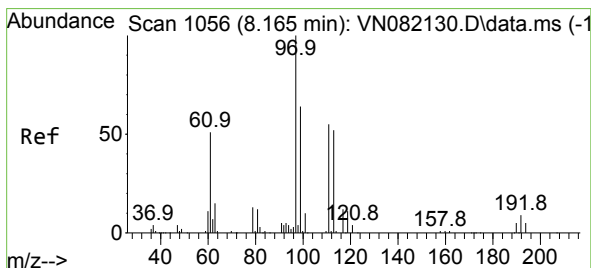
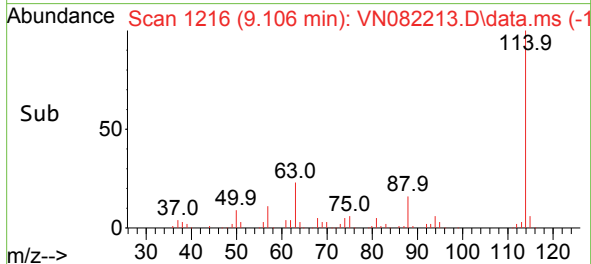
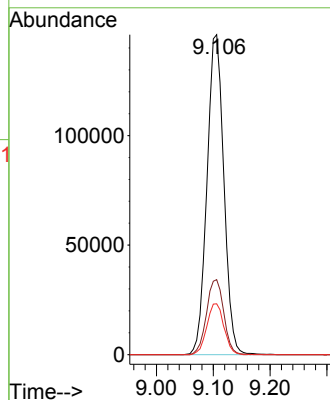
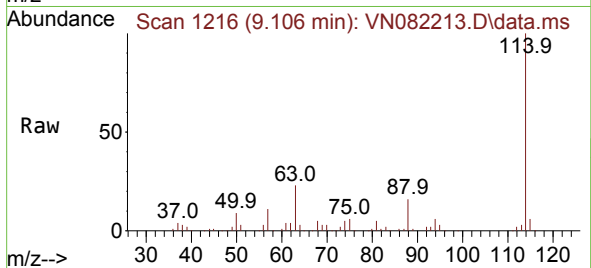
Tgt Ion:114 Resp: 300530

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.000 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082213.D

Acq: 20 May 2024 16:34

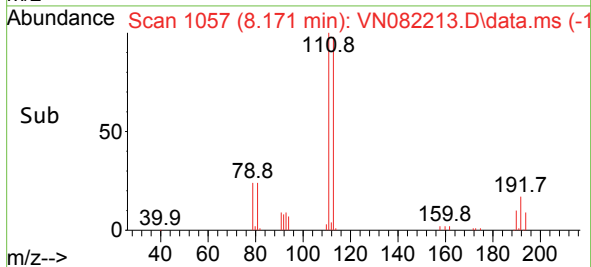
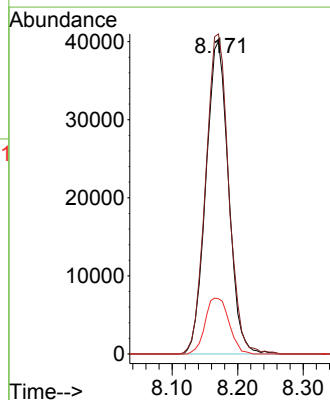
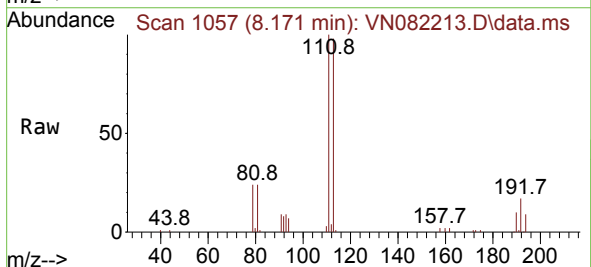
Tgt Ion:113 Resp: 96134

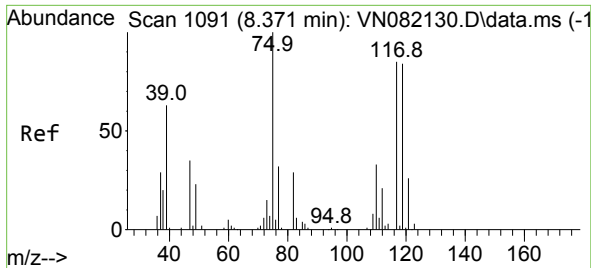
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

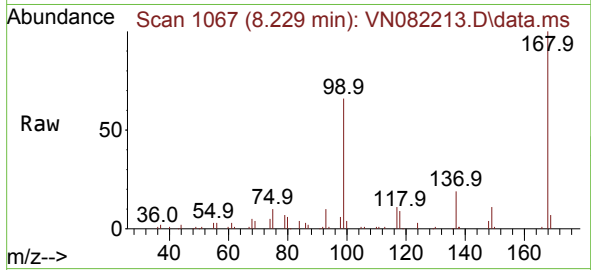
192 18.8 14.0 21.0



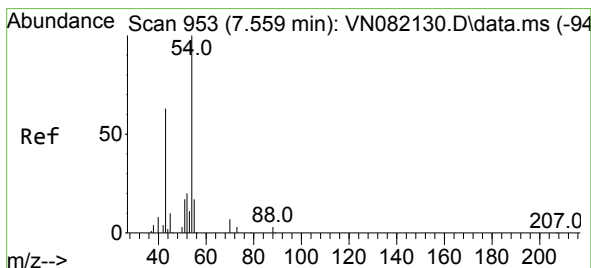
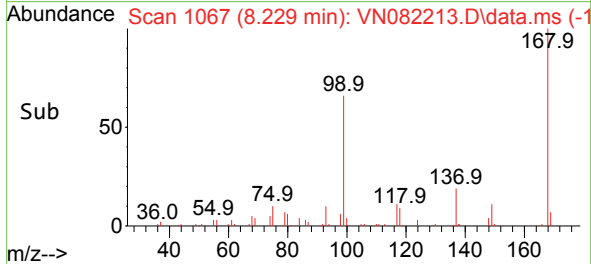
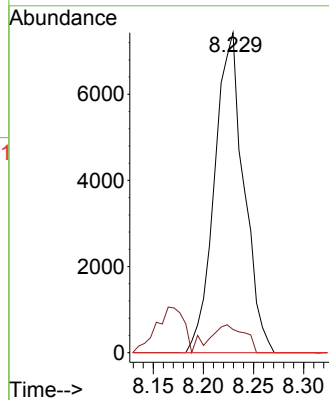


#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

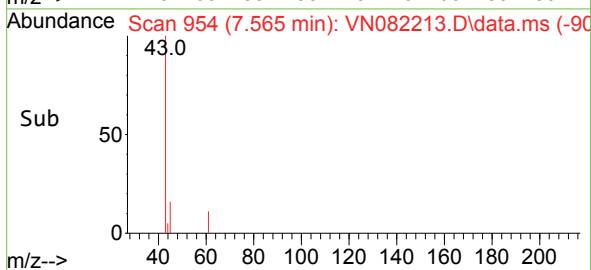
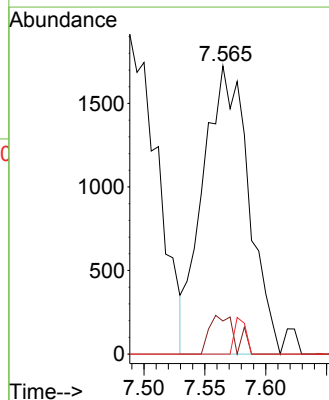
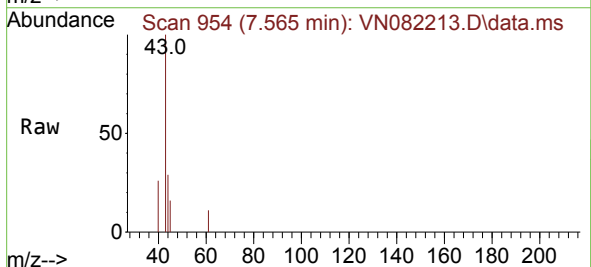


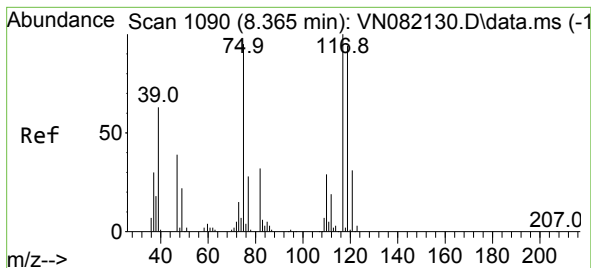
Tgt Ion: 75 Resp: 15113
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.298 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
61 7.5 11.3 16.9#
70 3.2 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082213.D

Acq: 20 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPI

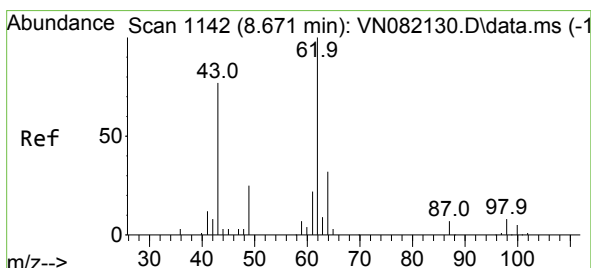
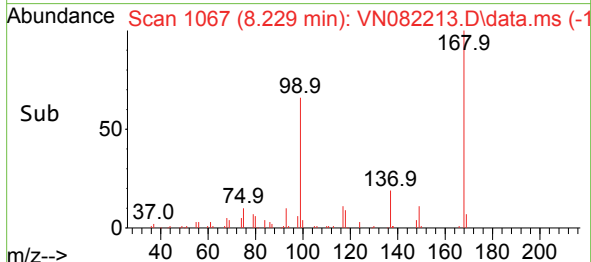
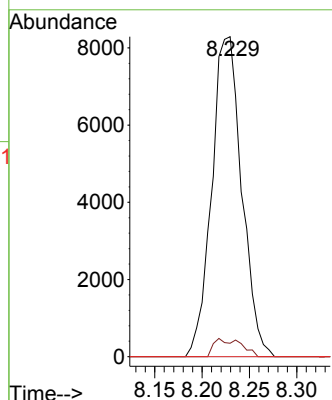
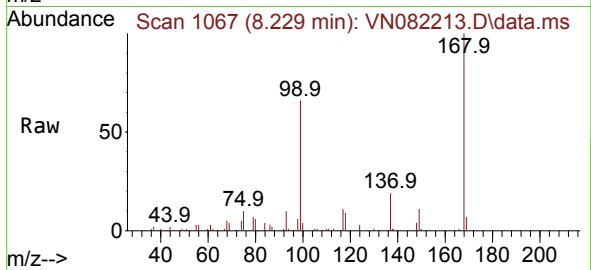
Tgt Ion:117 Resp: 18270

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: 0.246 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082213.D

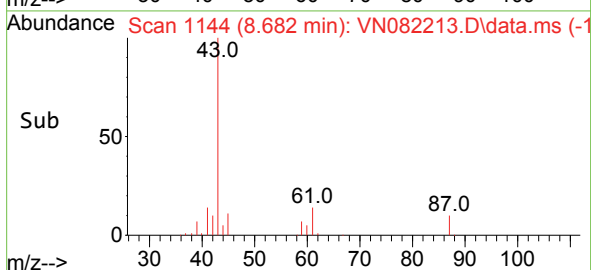
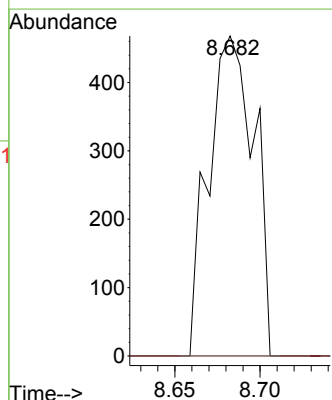
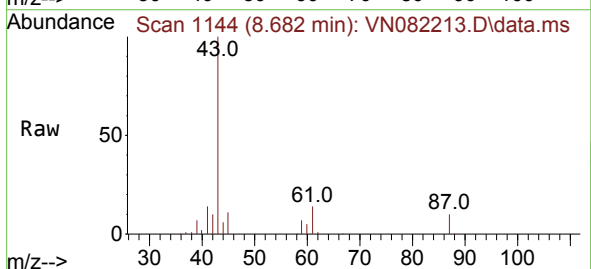
Acq: 20 May 2024 16:34

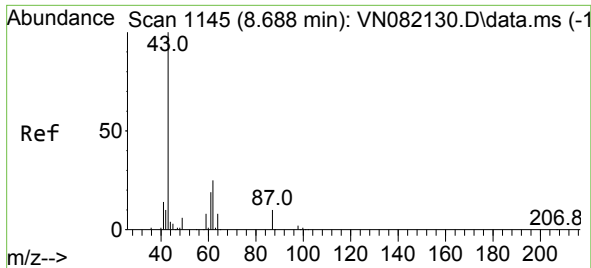
Tgt Ion: 62 Resp: 876

Ion Ratio Lower Upper

62 100

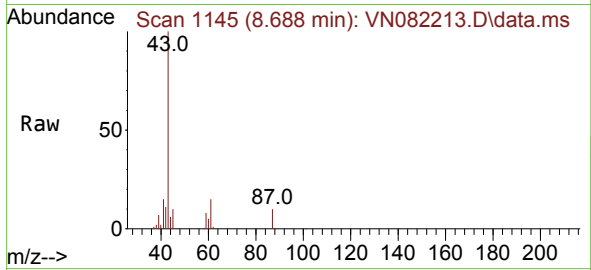
98 0.0 0.0 19.6



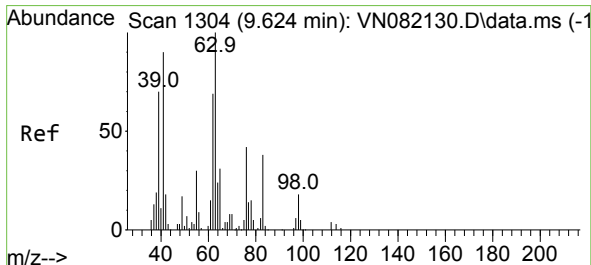
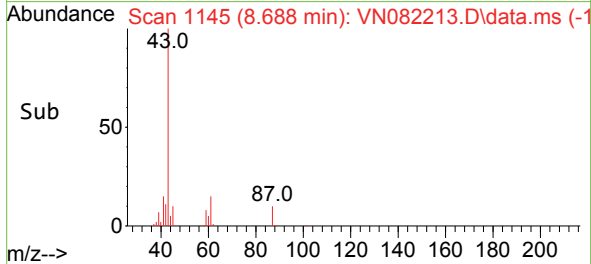
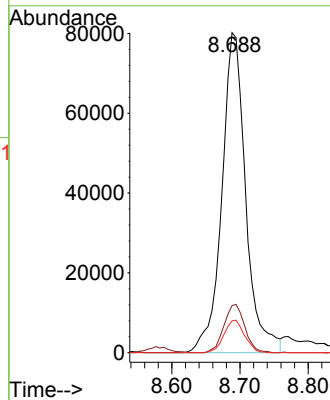


#43
Isopropyl Acetate
Concen: 31.852 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

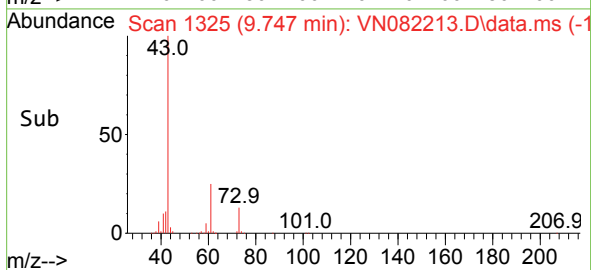
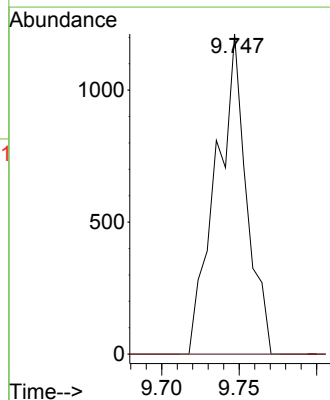
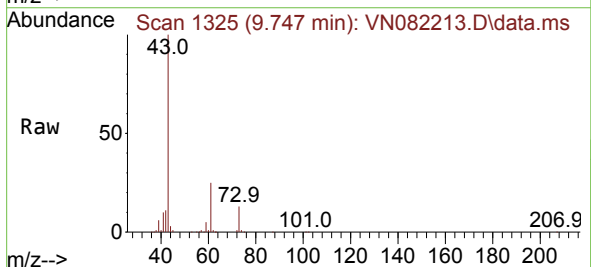


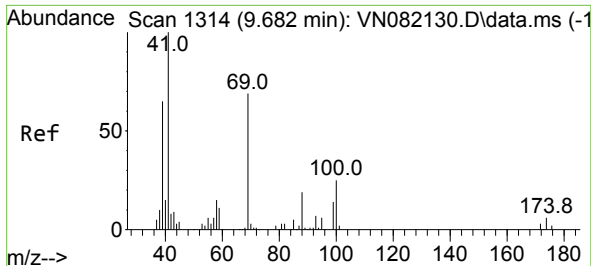
Tgt Ion: 43 Resp: 195842
Ion Ratio Lower Upper
43 100
61 13.2 22.8 34.2#
87 8.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.697 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 63 Resp: 1663
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

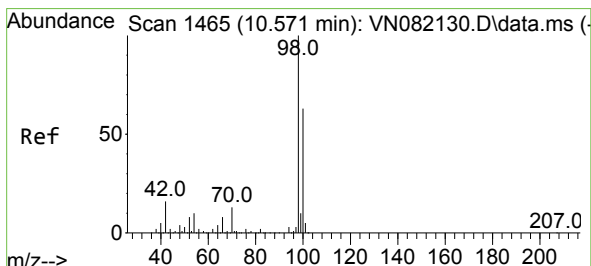
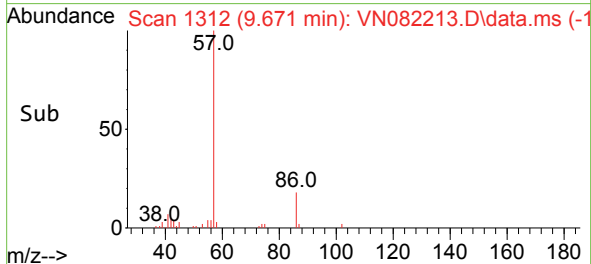
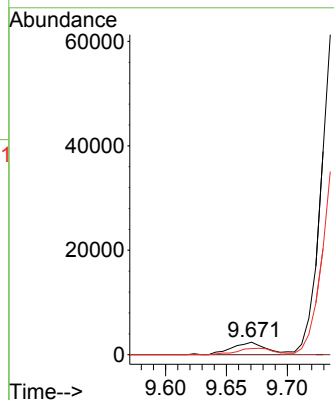
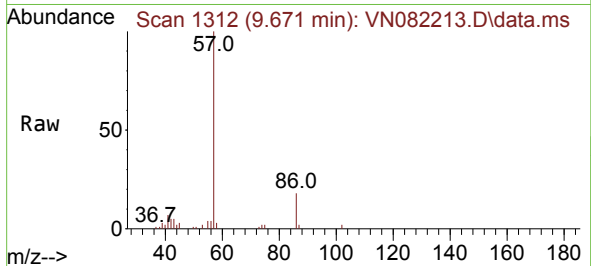




#48
Methyl methacrylate
Concen: 1.551 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

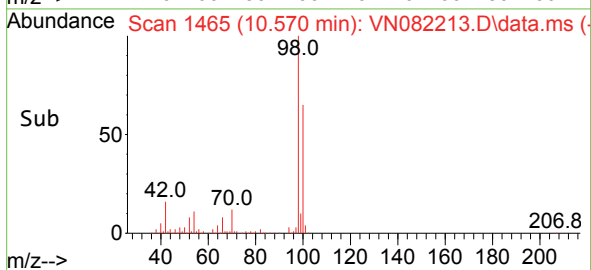
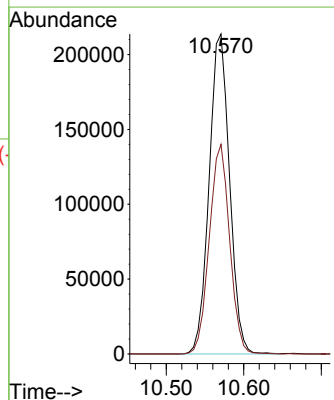
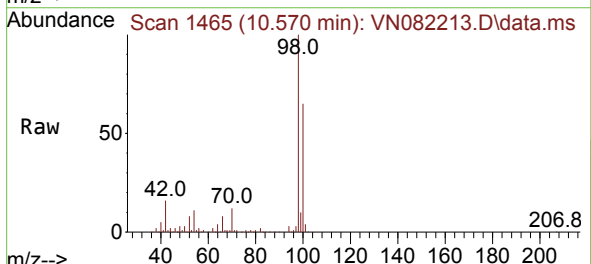
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

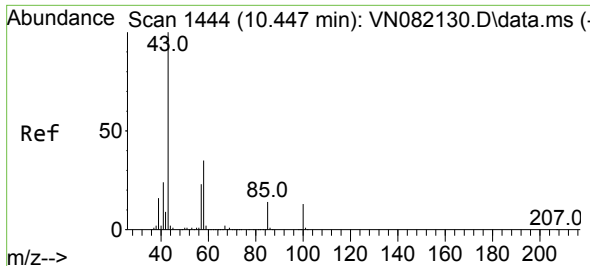
Tgt Ion: 41 Resp: 4544
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 56.1 50.9 76.3



#50
Toluene-d8
Concen: 55.265 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 98 Resp: 391710
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

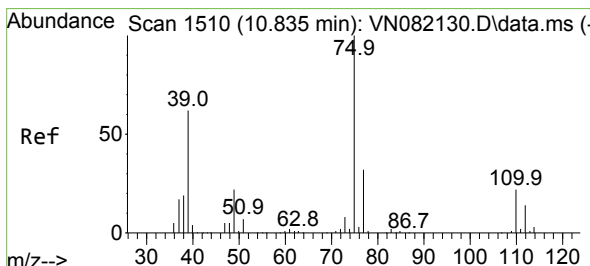
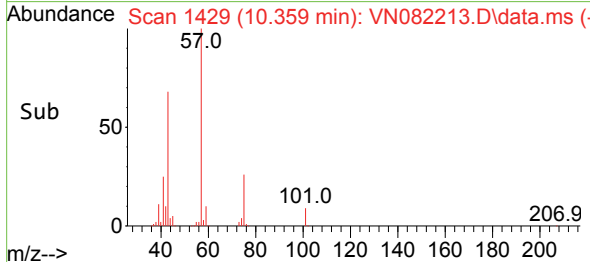
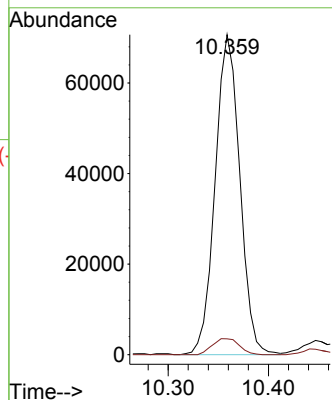
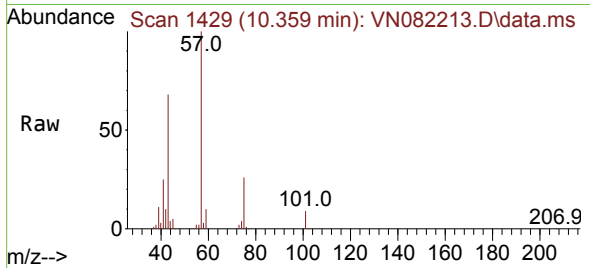




#51
4-Methyl-2-Pentanone
Concen: 34.579 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

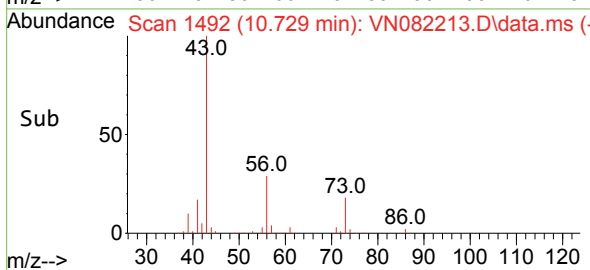
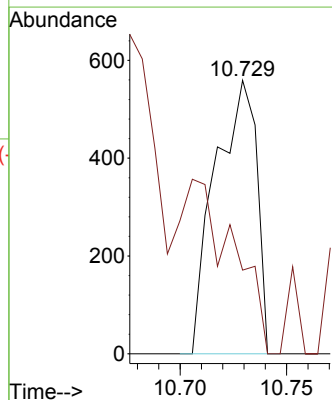
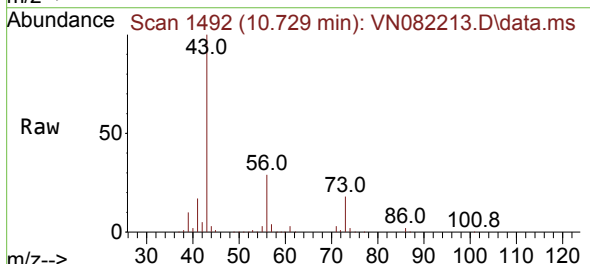
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

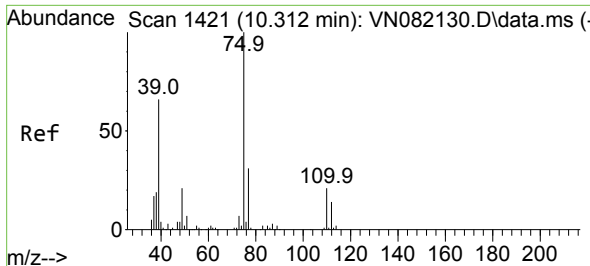
Tgt Ion: 43 Resp: 120797
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 75 Resp: 756
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0

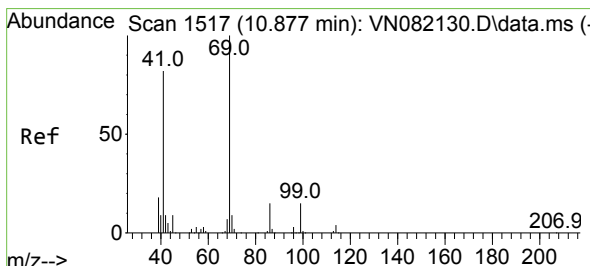
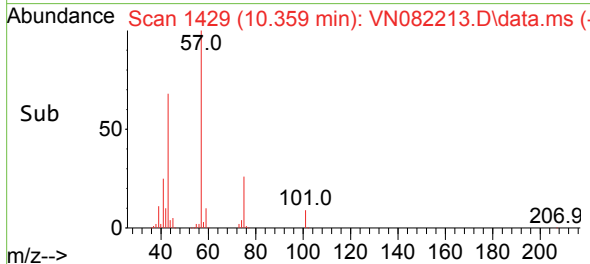
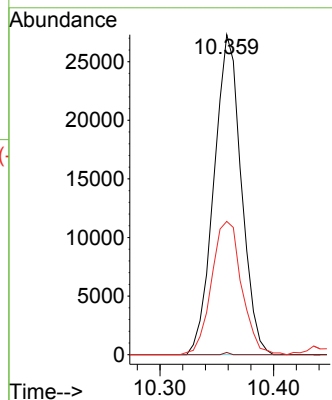
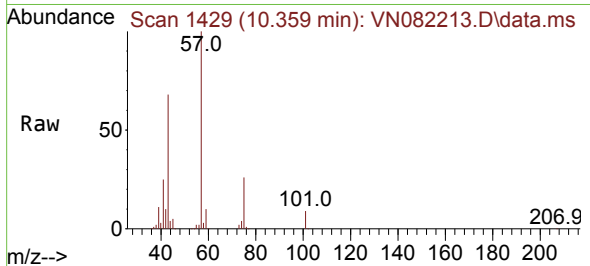




#54
 cis-1,3-Dichloropropene
 Concen: 12.598 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082213.D
 Acq: 20 May 2024 16:34

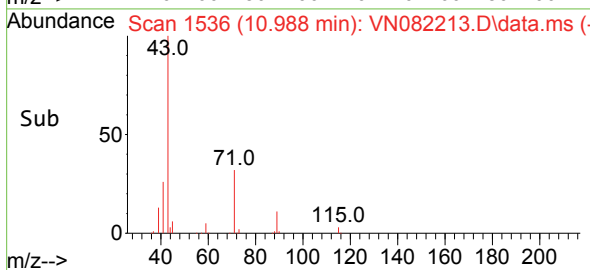
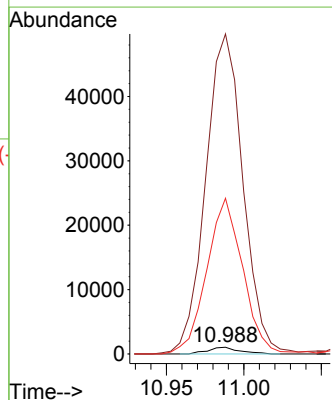
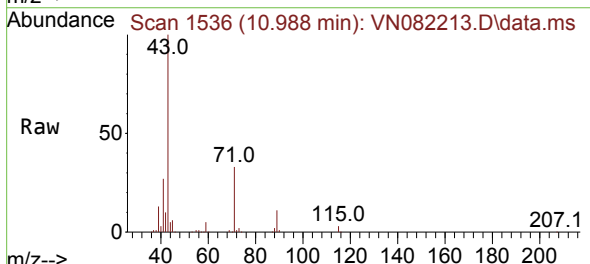
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPI

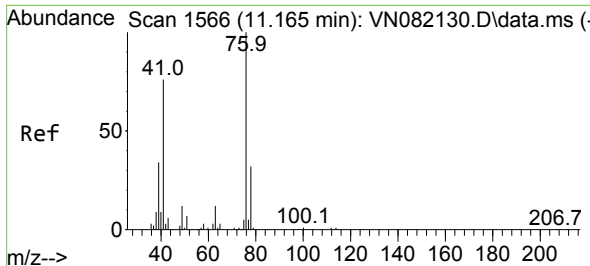
Tgt Ion: 75 Resp: 45602
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 41.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.429 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082213.D
 Acq: 20 May 2024 16:34

Tgt Ion: 69 Resp: 1467
 Ion Ratio Lower Upper
 69 100
 41 5686.5 46.6 70.0#
 39 2678.1 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.630 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082213.D

Acq: 20 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

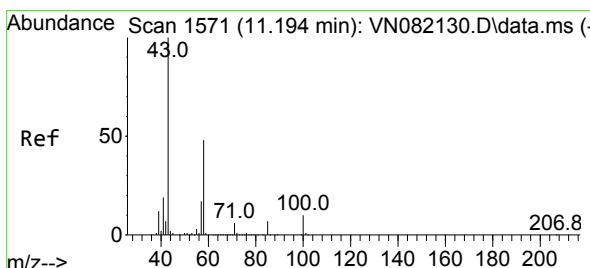
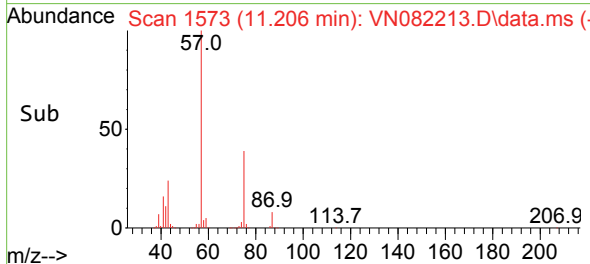
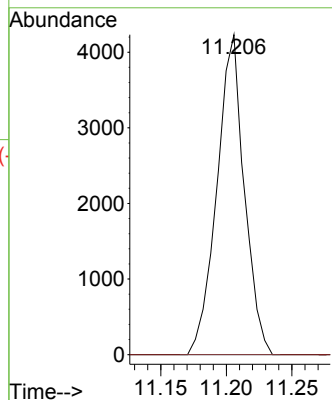
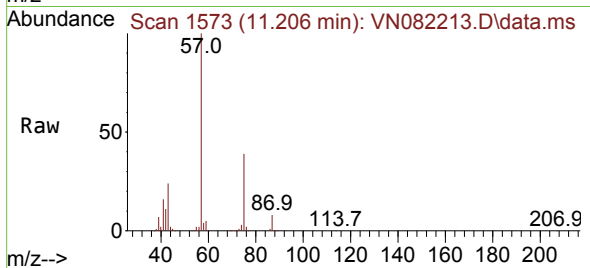
WCS-TPI

Tgt Ion: 76 Resp: 6145

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.856 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082213.D

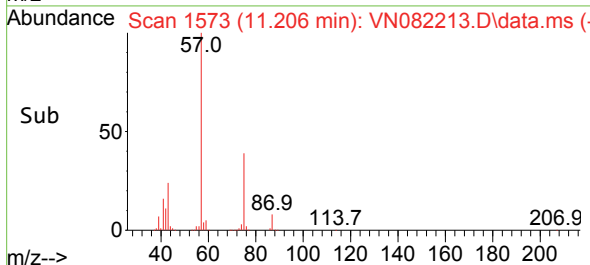
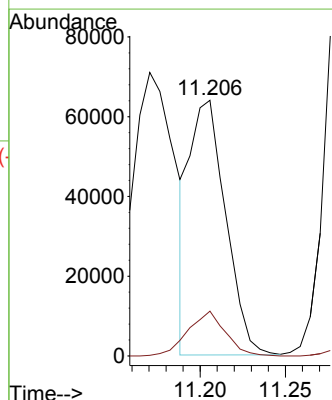
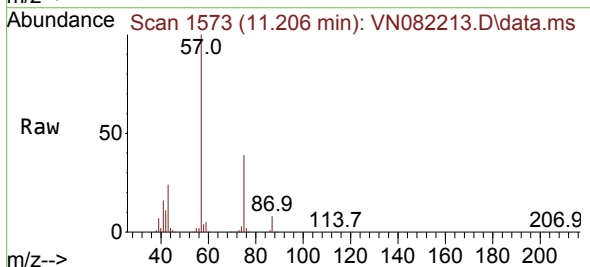
Acq: 20 May 2024 16:34

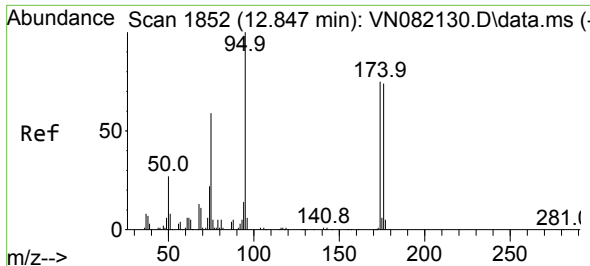
Tgt Ion: 43 Resp: 94274

Ion Ratio Lower Upper

43 100

58 18.3 28.3 84.9#

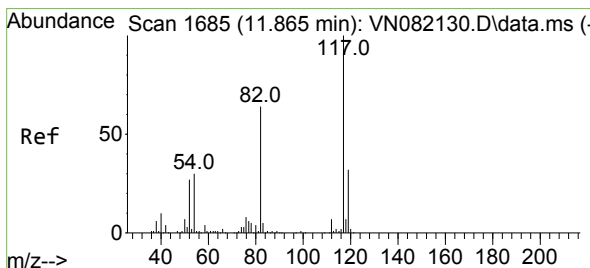
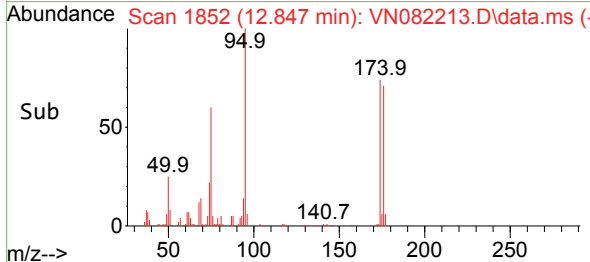
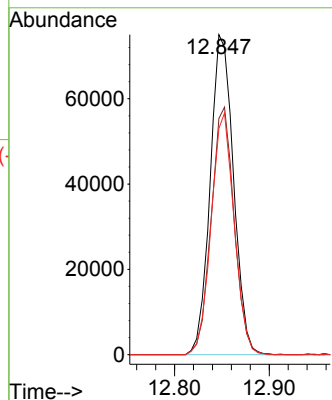
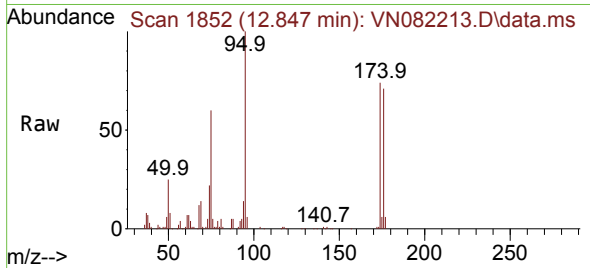




#62
4-Bromofluorobenzene
Concen: 50.648 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

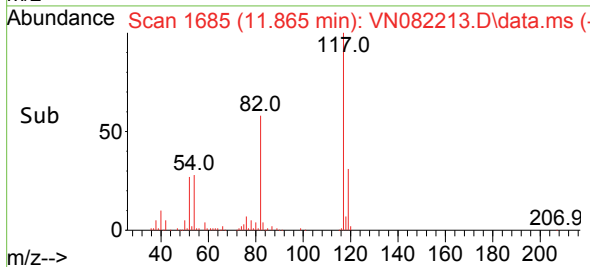
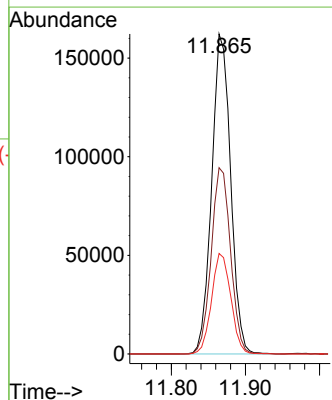
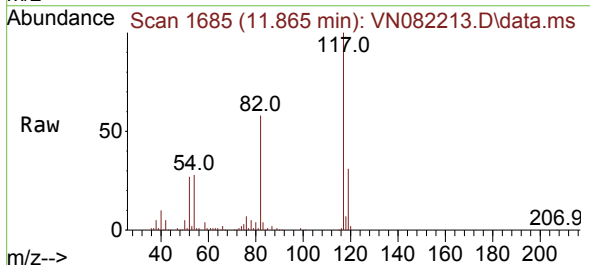
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

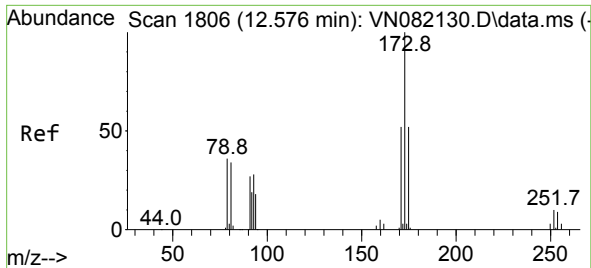
Tgt Ion: 95 Resp: 128130
Ion Ratio Lower Upper
95 100
174 76.6 0.0 160.6
176 74.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion: 117 Resp: 287776
Ion Ratio Lower Upper
117 100
82 58.2 44.6 66.8
119 31.4 25.9 38.9

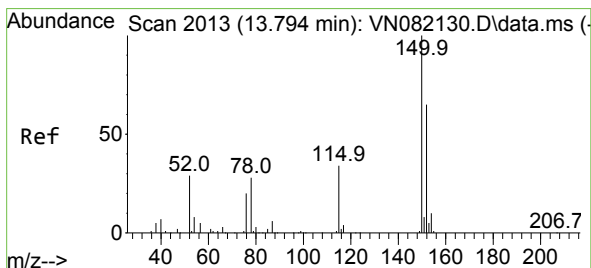
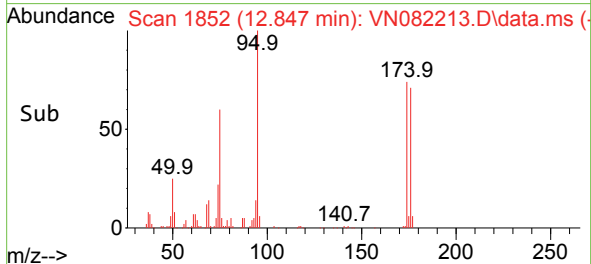
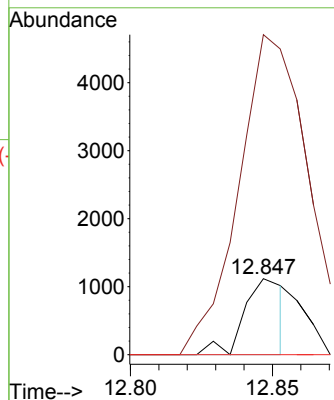
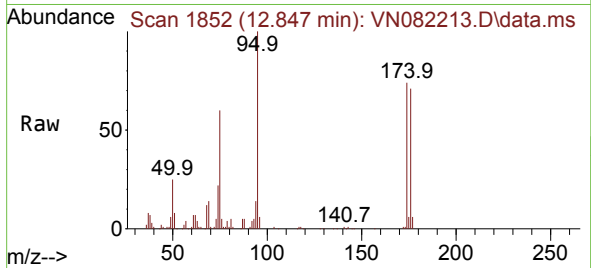




#71
Bromoform
Concen: 1.350 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

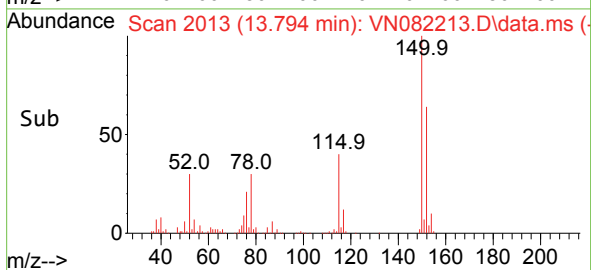
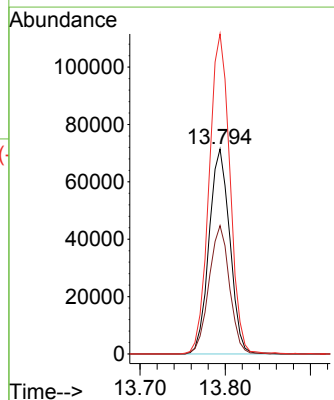
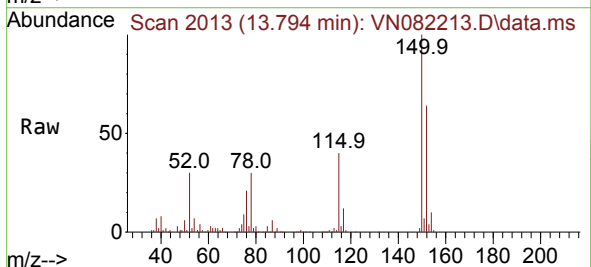
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPI

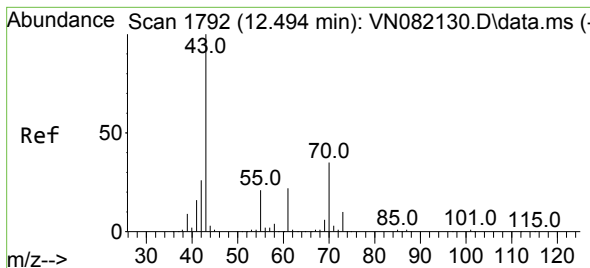
Tgt Ion:173 Resp: 1096
Ion Ratio Lower Upper
173 100
175 491.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082213.D
Acq: 20 May 2024 16:34

Tgt Ion:152 Resp: 120692
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 157.0 0.0 353.2





#74

N-amy1 acetate

Concen: 0.303 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN082213.D

Acq: 20 May 2024 16:34

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPI

Tgt Ion: 43 Resp: 1599

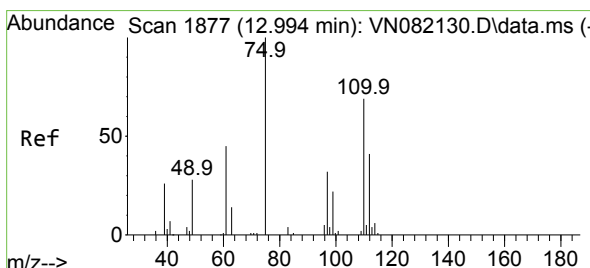
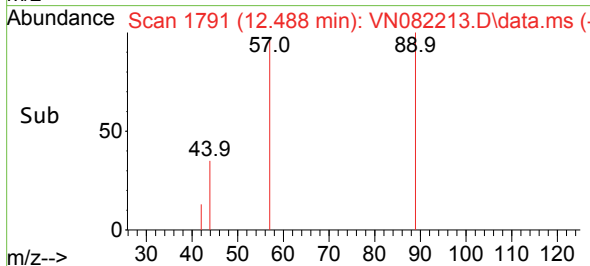
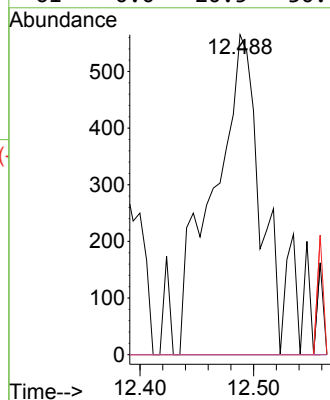
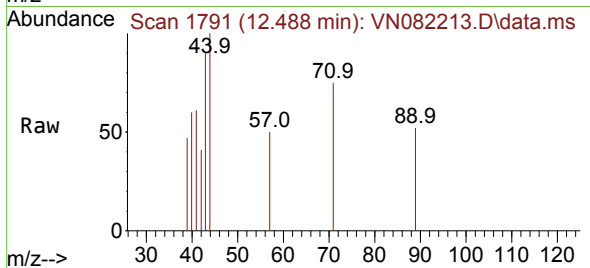
Ion Ratio Lower Upper

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: 30.001 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082213.D

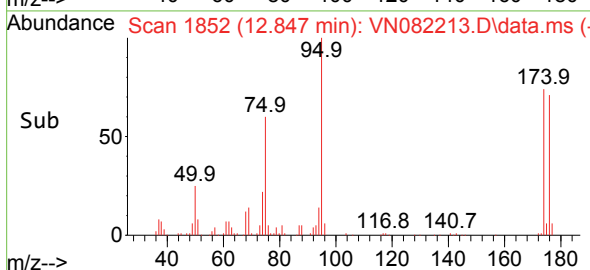
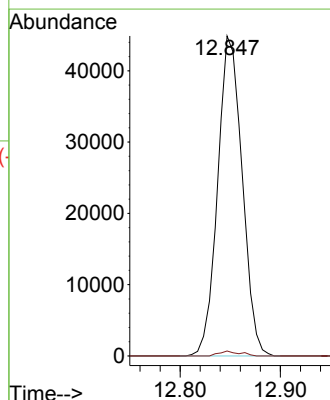
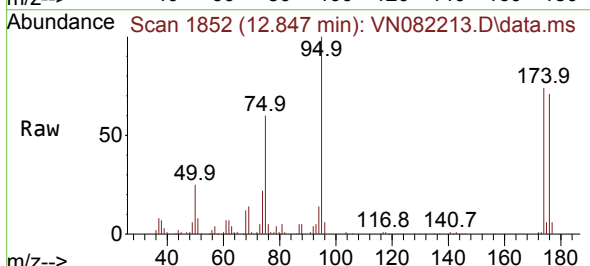
Acq: 20 May 2024 16:34

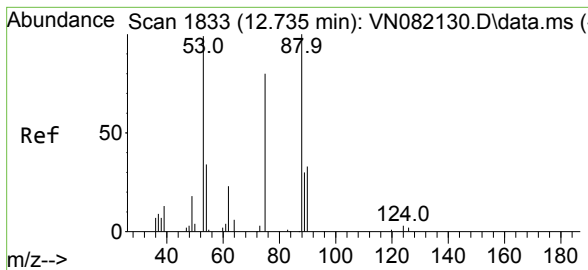
Tgt Ion: 75 Resp: 76210

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.170 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082213.D
 Acq: 20 May 2024 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPI

Tgt Ion: 75 Resp: 76210
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

