

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082414.D
 Acq On : 31 May 2024 17:35
 Operator : JC\MD
 Sample : P2646-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPS

Quant Time: May 31 23:00:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	157832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134302	53.889	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.780%			
35) Dibromofluoromethane	8.171	113	97231	54.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.620%			
50) Toluene-d8	10.571	98	379793	55.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.680%			
62) 4-Bromofluorobenzene	12.847	95	128857	53.077	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.160%			
Target Compounds					Qvalue	
13) Acrolein	4.189	56	112	0.378	ug/l #	15
16) Acetone	4.436	43	76809	75.130	ug/l	89
18) Methyl Acetate	5.024	43	2515	0.988	ug/l #	58
20) Methylene Chloride	5.271	84	13827	6.703	ug/l	91
25) 2-Butanone	7.488	43	11749	7.580	ug/l #	83
29) Tetrahydrofuran	7.853	42	291	0.292	ug/l #	29
31) Cyclohexane	8.224	56	5081	1.276	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	15119	5.081	ug/l #	50
37) Ethyl Acetate	7.571	43	4261	1.280	ug/l #	80
38) Carbon Tetrachloride	8.230	117	16986	5.631	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1214	0.356	ug/l #	73
43) Isopropyl Acetate	8.694	43	267016	45.254	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1695	0.740	ug/l #	45
48) Methyl methacrylate	9.671	41	4629	1.646	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	17683	5.275	ug/l #	72
53) t-1,3-Dichloropropene	10.724	75	940	0.286	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	50789	14.621	ug/l #	75
56) Ethyl methacrylate	10.988	69	1614	0.491	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6318	1.746	ug/l #	42
59) 2-Hexanone	11.171	43	148702	60.580	ug/l #	23
71) Bromoform	12.847	173	723	1.132	ug/l #	28
74) N-amyl acetate	12.482	43	2469	0.484	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	74015	30.152	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74015	70.525	ug/l #	12

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

Quant Time: May 31 23:00:53 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

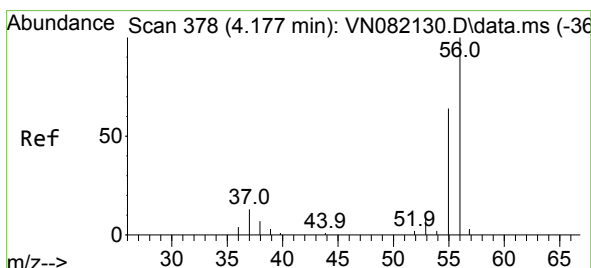
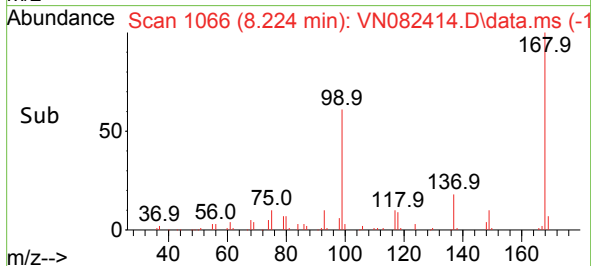
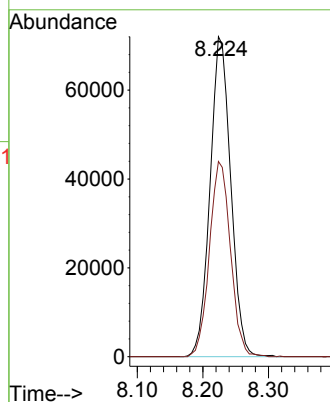
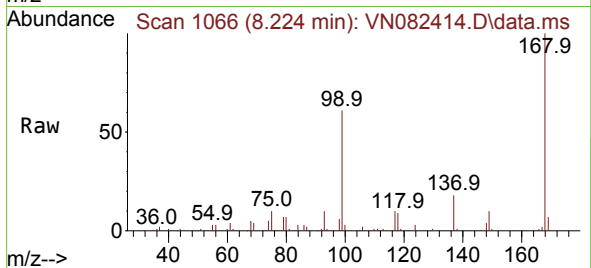




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

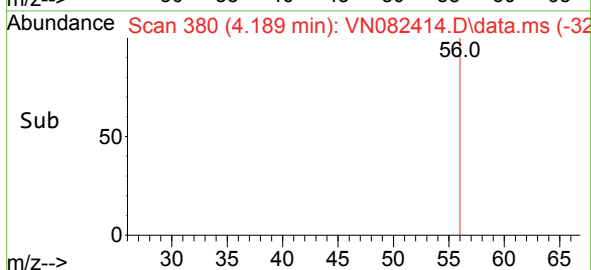
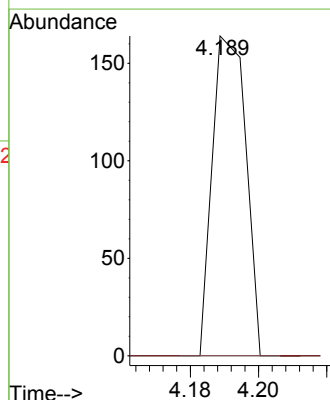
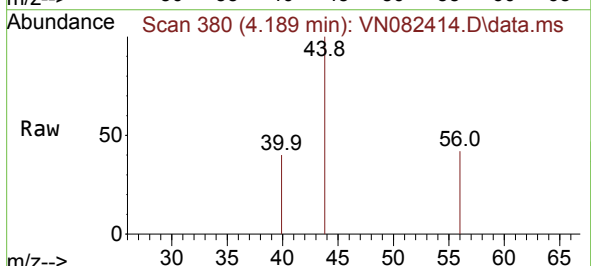
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

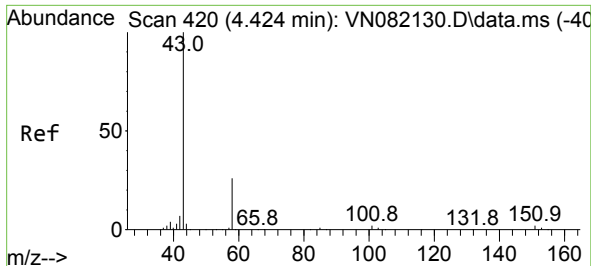
Tgt Ion:168 Resp: 157832
Ion Ratio Lower Upper
168 100
99 61.0 48.2 72.4



#13
Acrolein
Concen: 0.378 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

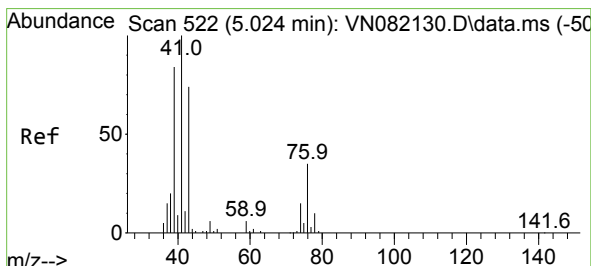
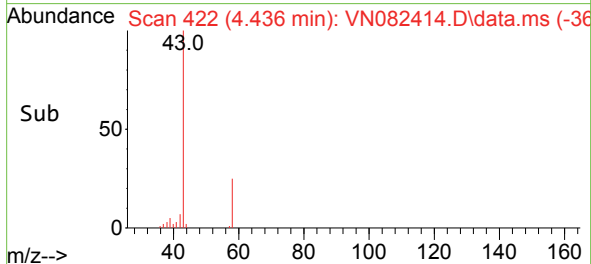
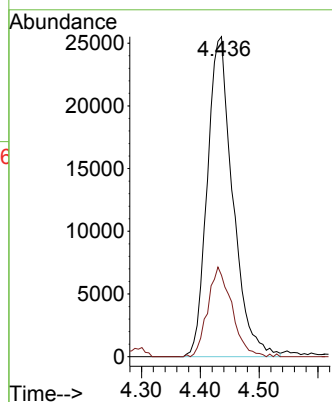
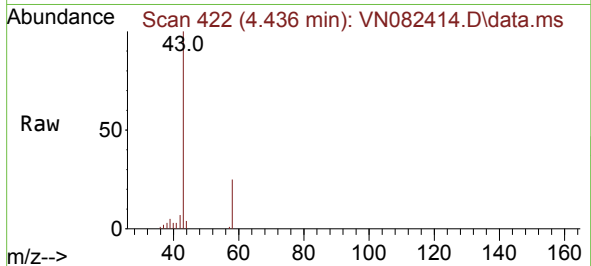




#16
Acetone
Concen: 75.130 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

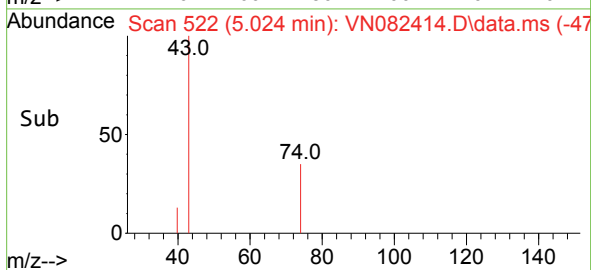
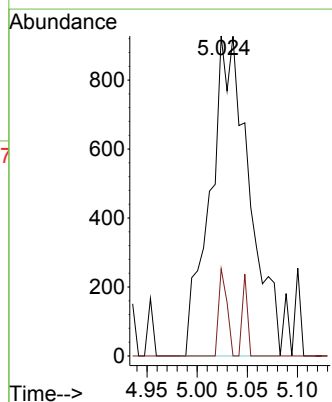
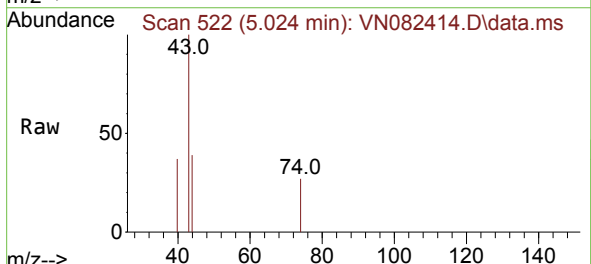
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

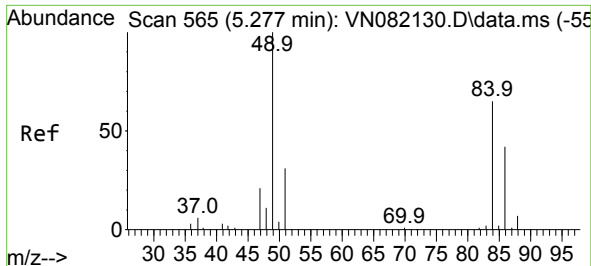
Tgt Ion: 43 Resp: 76809
Ion Ratio Lower Upper
43 100
58 25.4 25.2 37.8



#18
Methyl Acetate
Concen: 0.988 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
74 5.7 22.2 33.2#

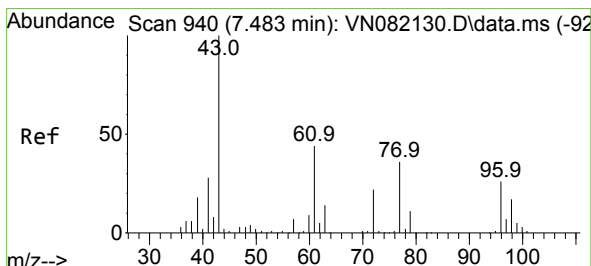
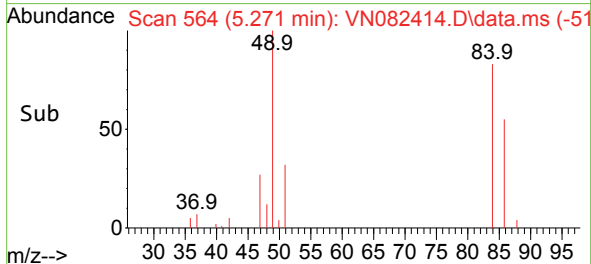
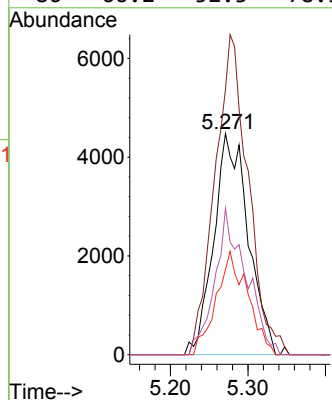
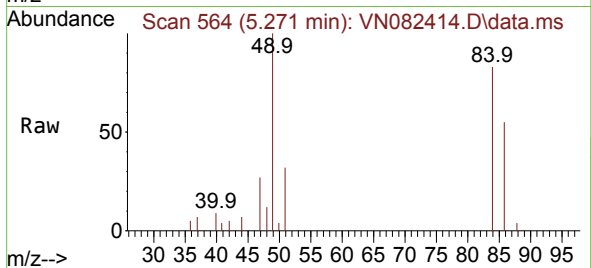




#20
Methylene Chloride
Concen: 6.703 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

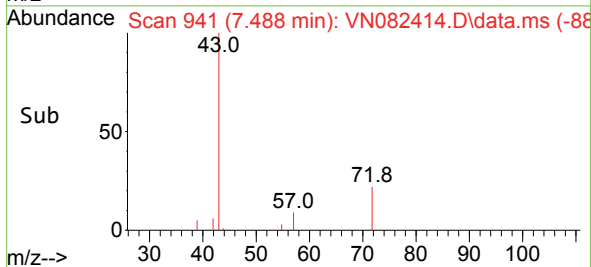
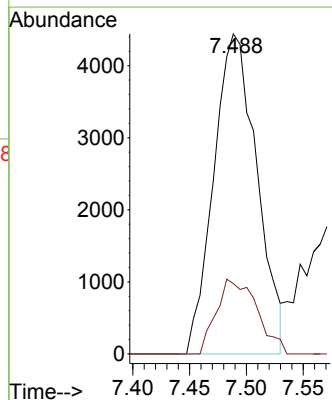
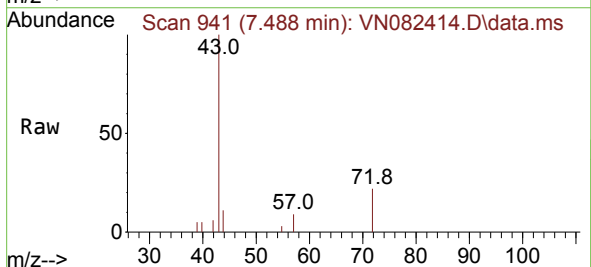
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

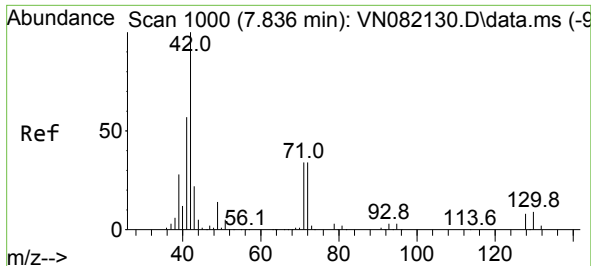
Tgt Ion: 84	Resp: 13827
Ion Ratio	Lower Upper
84 100	
49 120.0	84.9 127.3
51 38.6	27.0 40.6
86 66.2	52.3 78.5



#25
2-Butanone
Concen: 7.580 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 43	Resp: 11749
Ion Ratio	Lower Upper
43 100	
72 22.0	25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 7.853 min Scan# 10

Delta R.T. 0.017 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPS

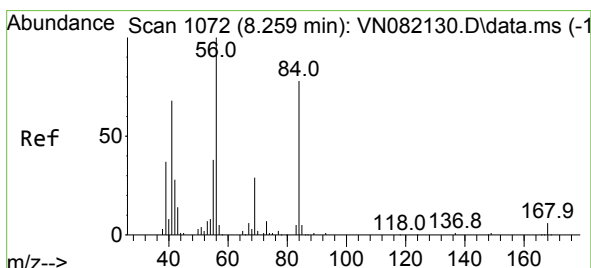
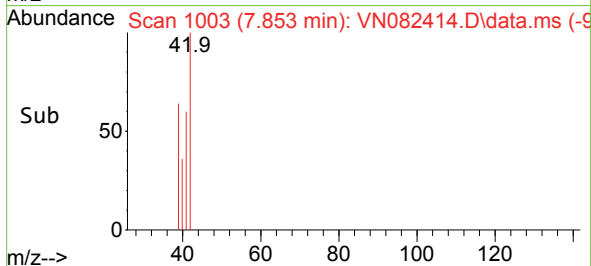
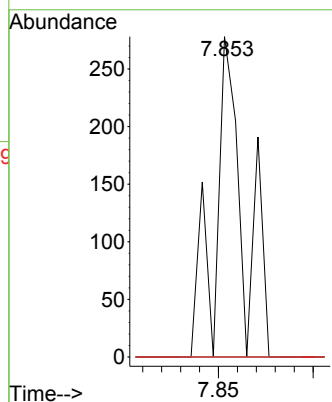
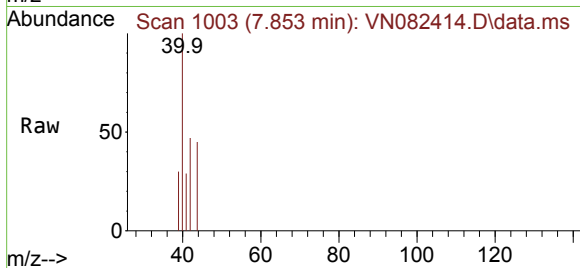
Tgt Ion: 42 Resp: 291

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

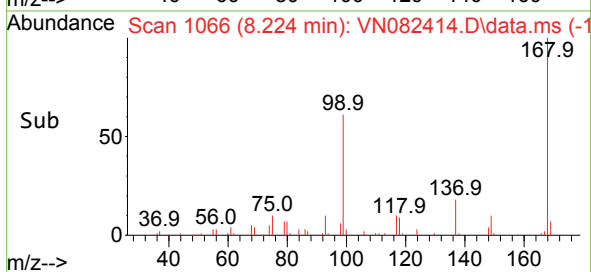
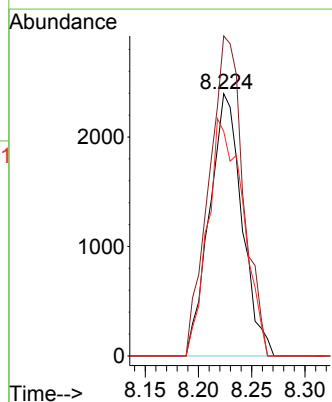
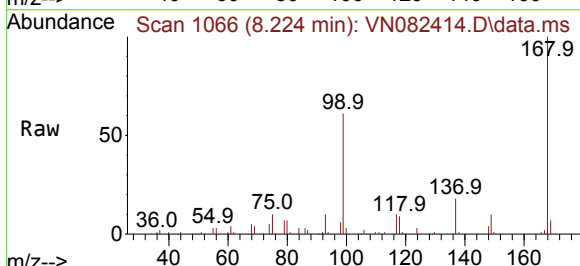
Tgt Ion: 56 Resp: 5081

Ion Ratio Lower Upper

56 100

69 122.0 24.4 36.6#

84 85.6 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.889 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

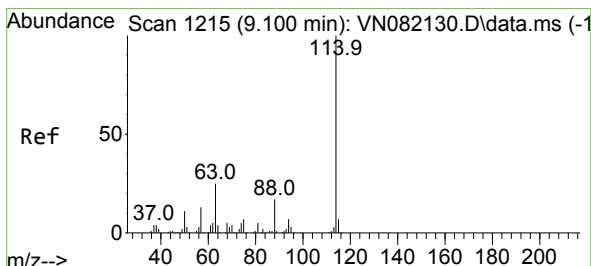
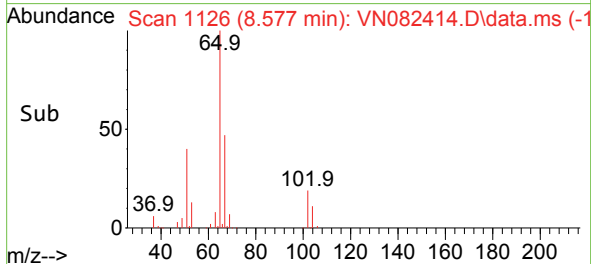
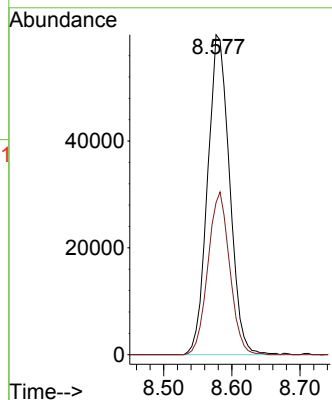
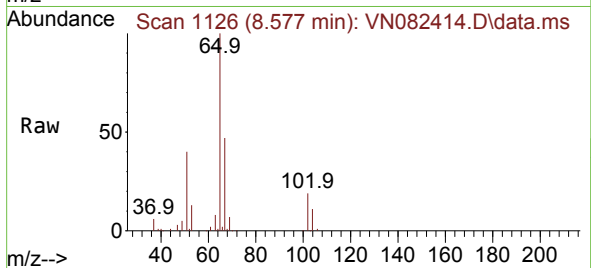
WCS-TPS

Tgt Ion: 65 Resp: 134302

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

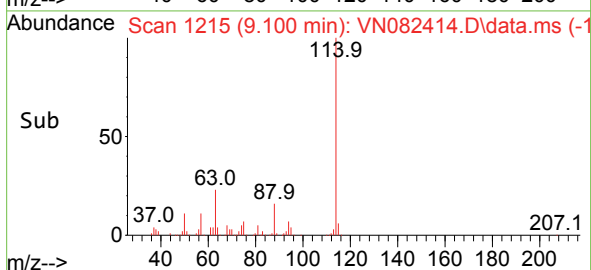
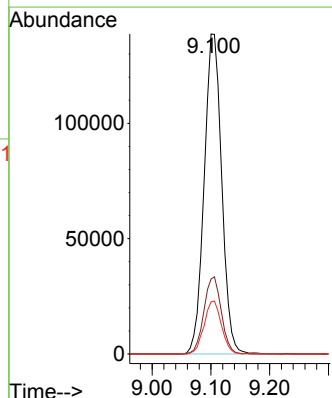
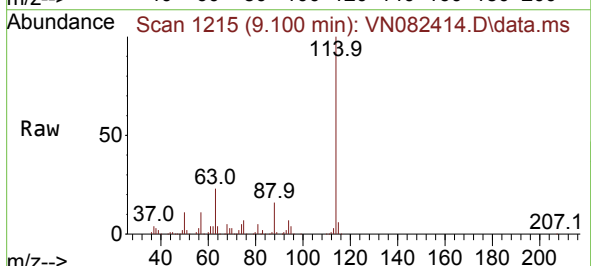
Tgt Ion: 114 Resp: 288402

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 16.3 0.0 31.4

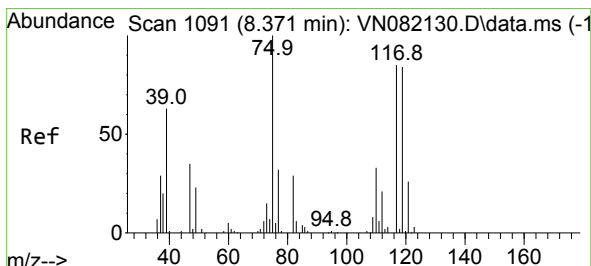
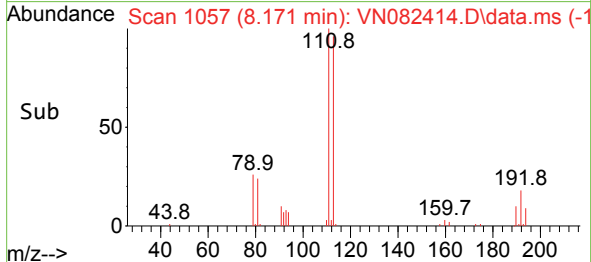
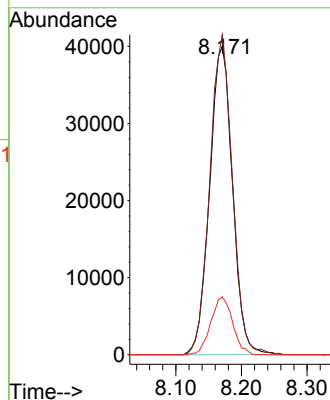
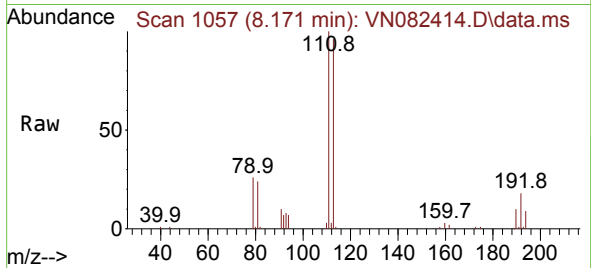




#35
Dibromofluoromethane
Concen: 54.805 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

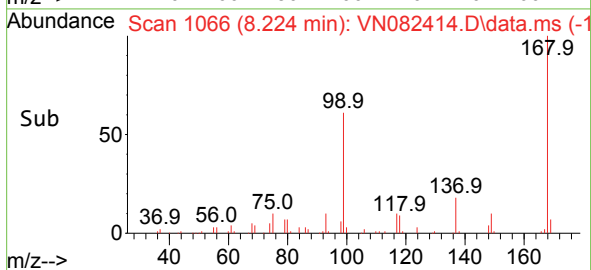
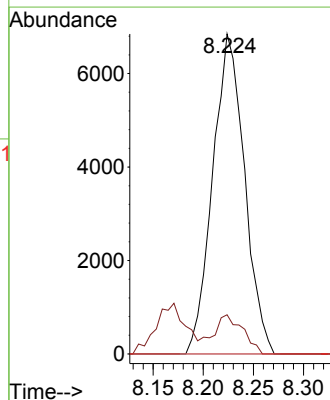
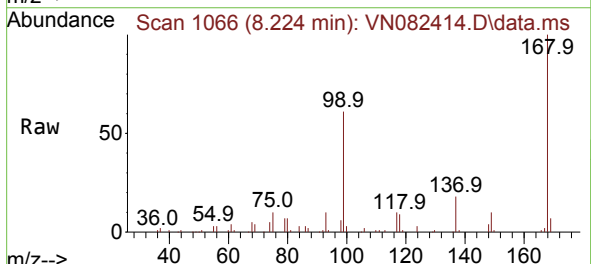
Instrument :
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WCS-TPS

Tgt Ion:113 Resp: 97231
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 17.8 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 75 Resp: 15119
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 25.0 37.4#

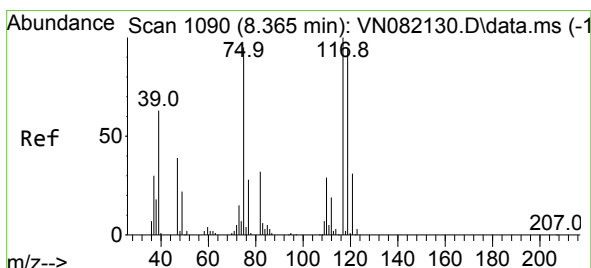
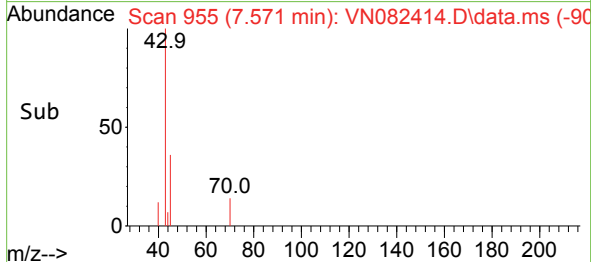
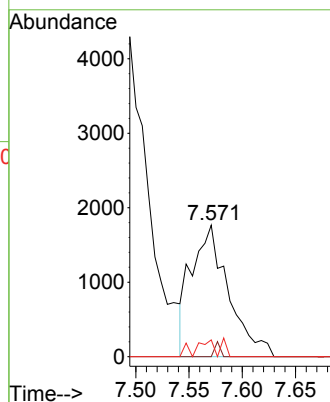
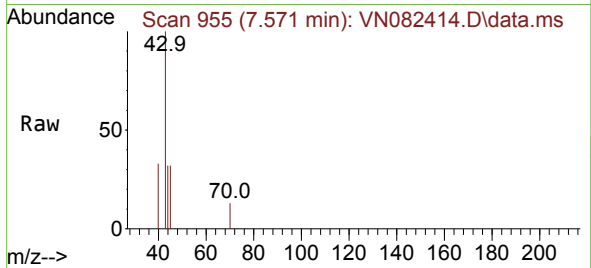




#37
Ethyl Acetate
Concen: 1.280 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

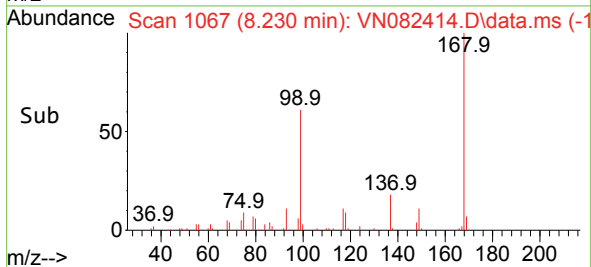
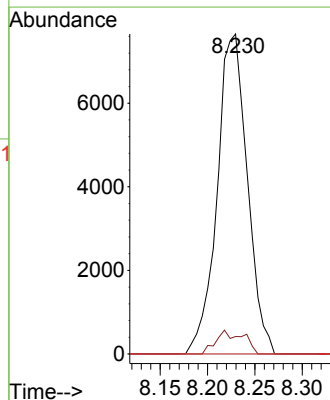
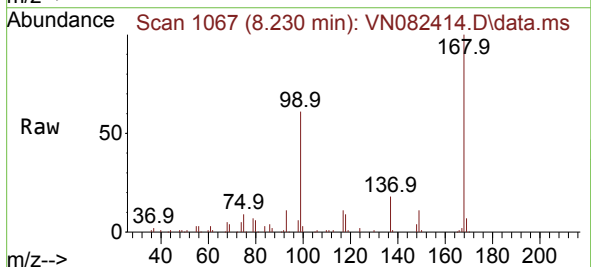
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

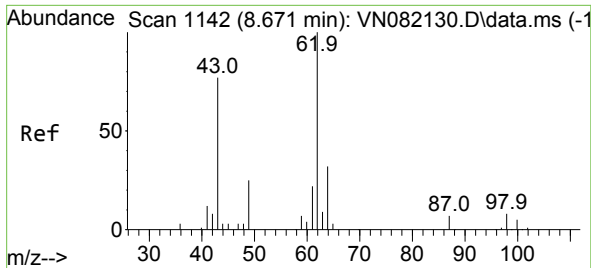
Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
61 1.7 11.3 16.9#
70 8.4 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.631 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 117 Resp: 16986
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.356 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

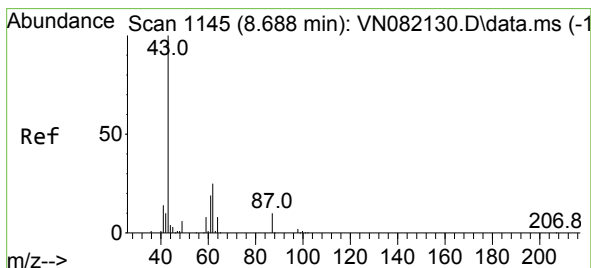
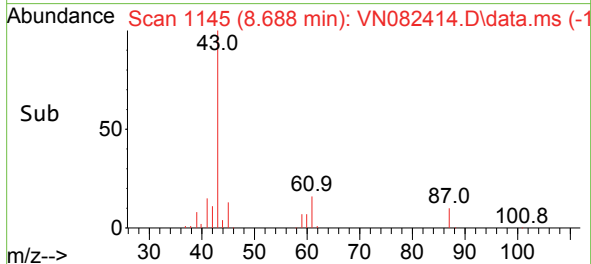
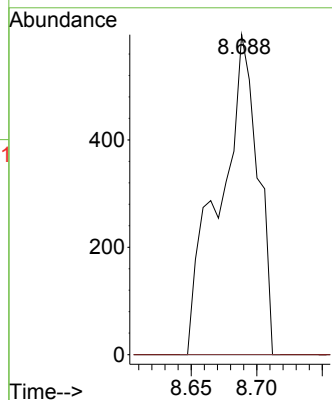
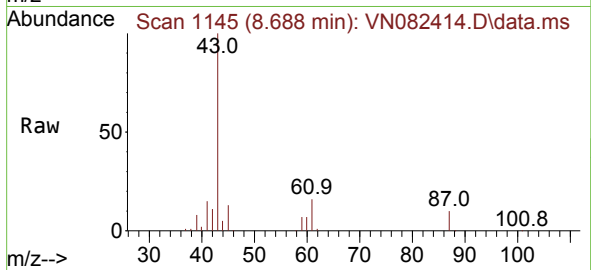
WCS-TPS

Tgt Ion: 62 Resp: 1214

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 45.254 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

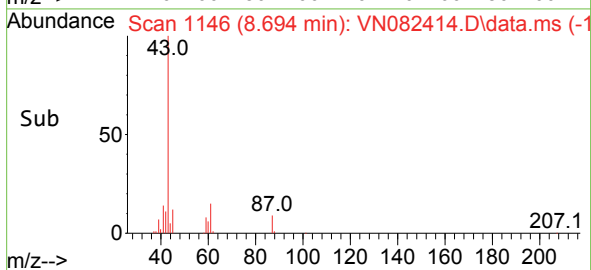
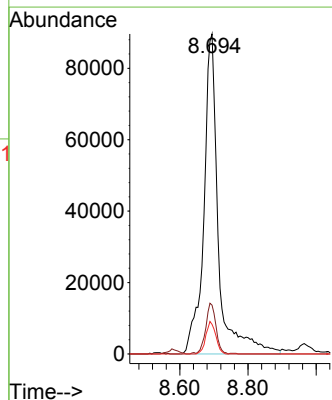
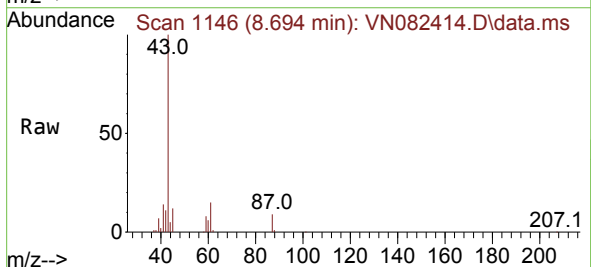
Tgt Ion: 43 Resp: 267016

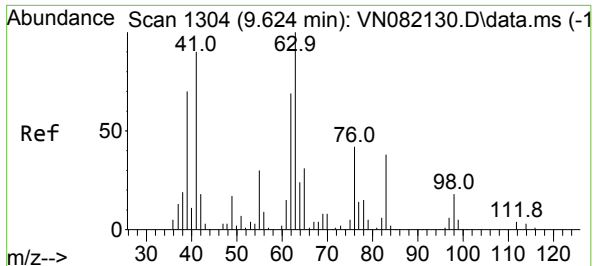
Ion Ratio Lower Upper

43 100

61 11.1 22.8 34.2#

87 6.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.740 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

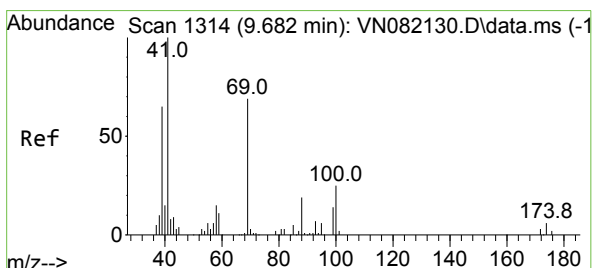
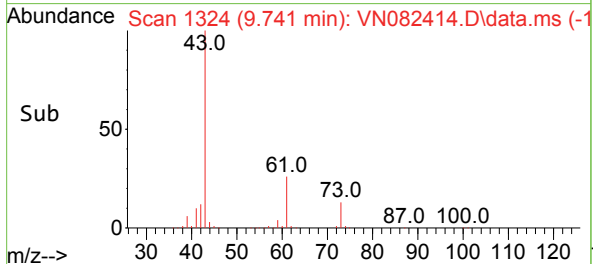
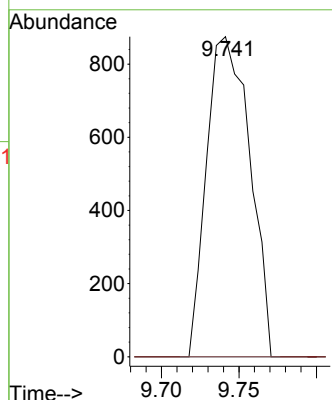
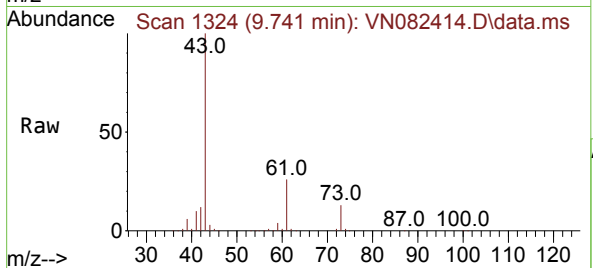
WCS-TPS

Tgt Ion: 63 Resp: 1695

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.646 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

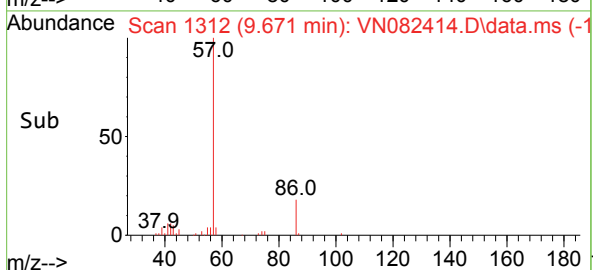
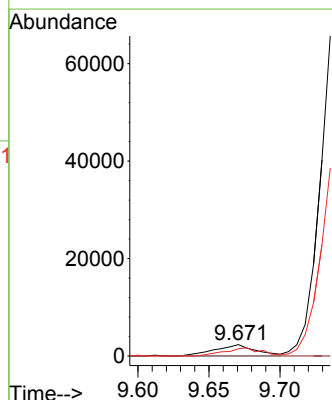
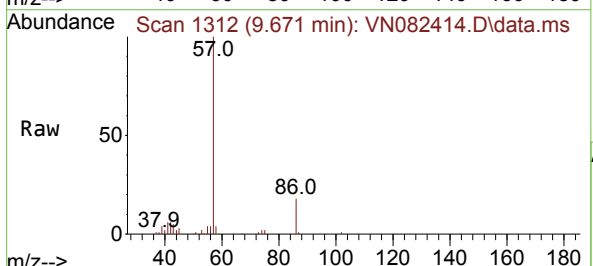
Tgt Ion: 41 Resp: 4629

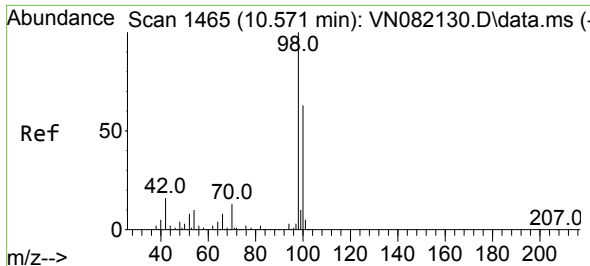
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 63.9 50.9 76.3

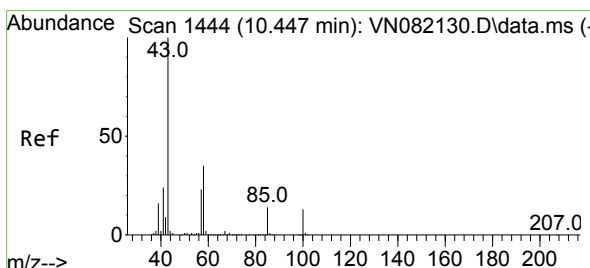
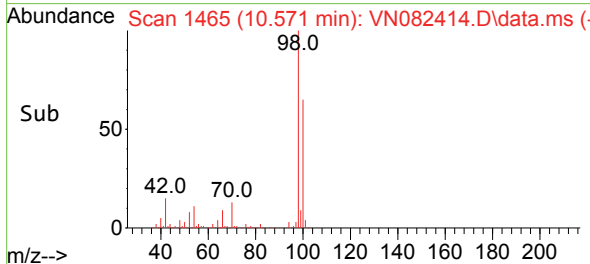
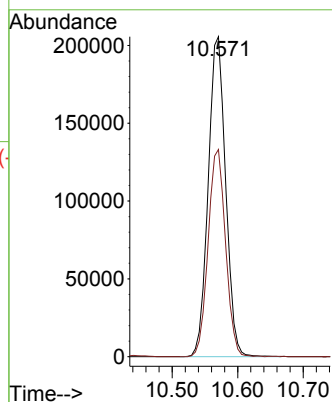
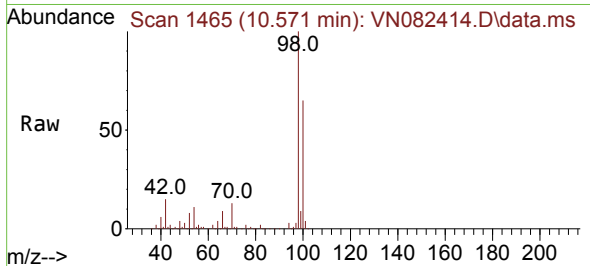




#50
Toluene-d8
Concen: 55.837 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

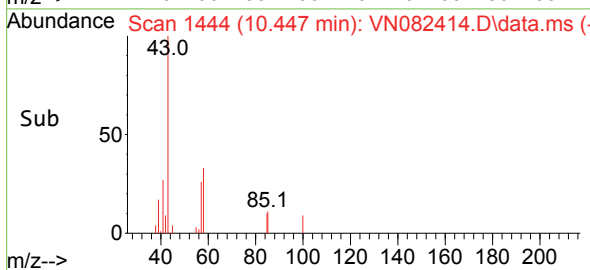
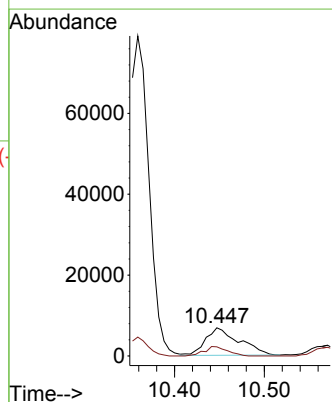
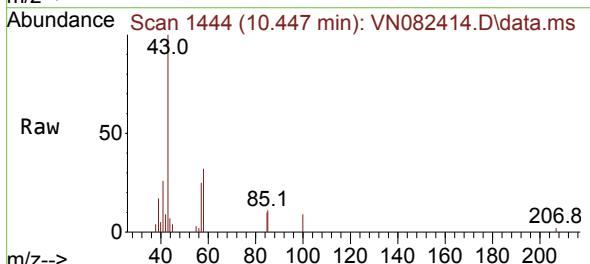
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

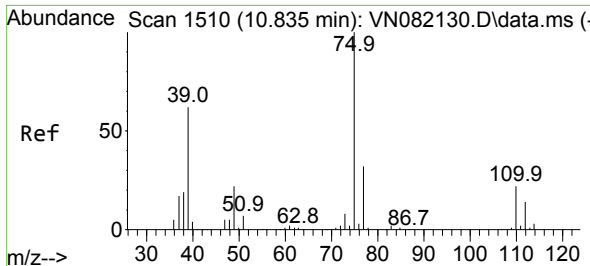
Tgt Ion: 98 Resp: 379793
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.275 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 43 Resp: 17683
Ion Ratio Lower Upper
43 100
58 23.8 33.2 49.8#

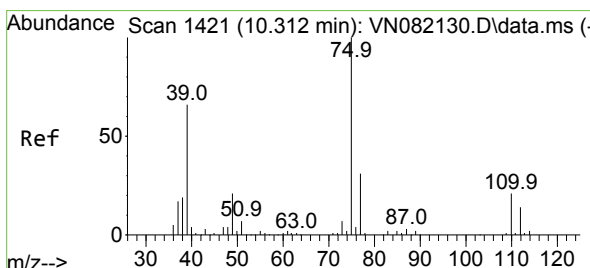
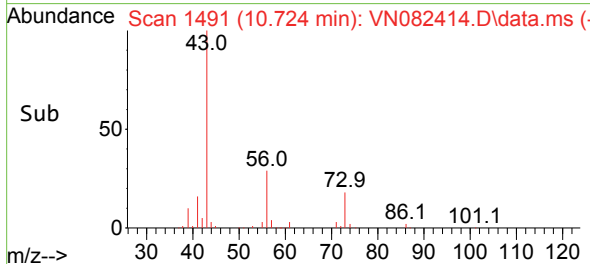
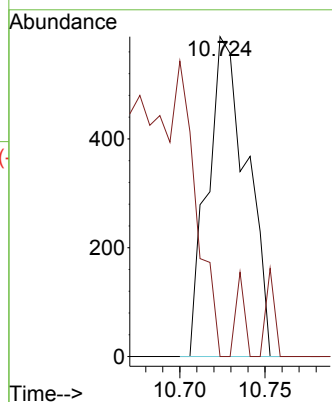
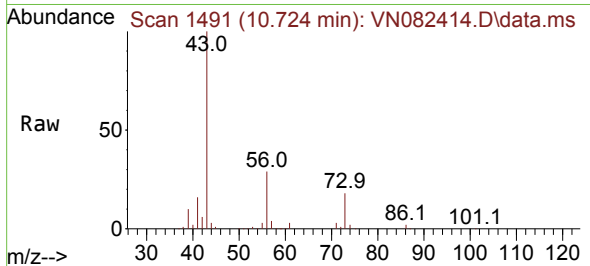




#53
t-1,3-Dichloropropene
Concen: 0.286 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

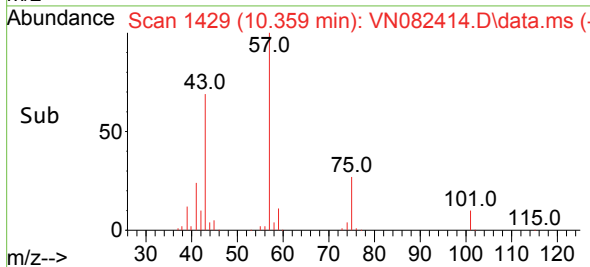
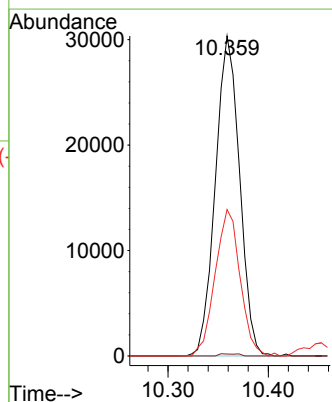
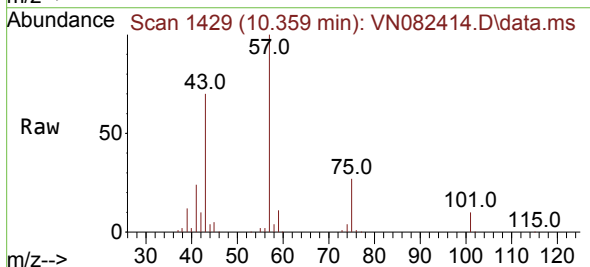
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

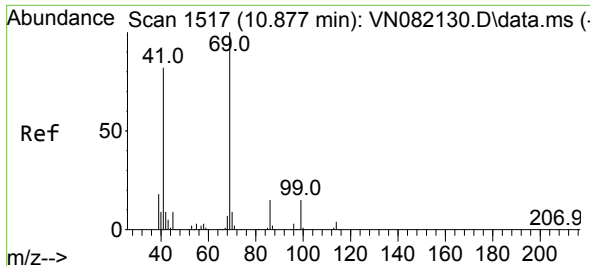
Tgt Ion: 75 Resp: 940
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.621 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

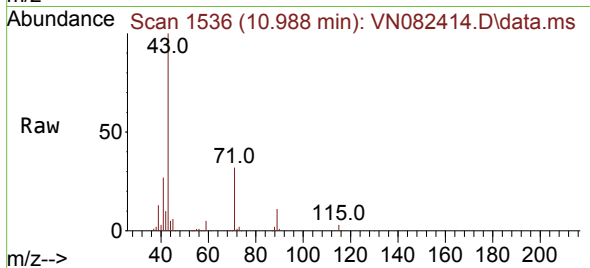
Tgt Ion: 75 Resp: 50789
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 45.8 34.8 52.2



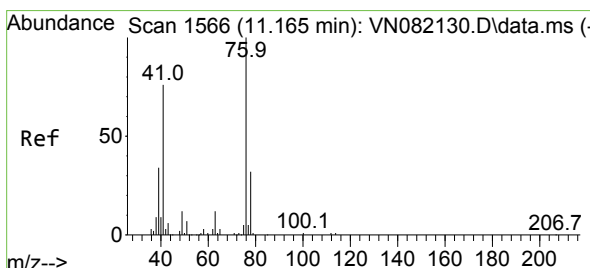
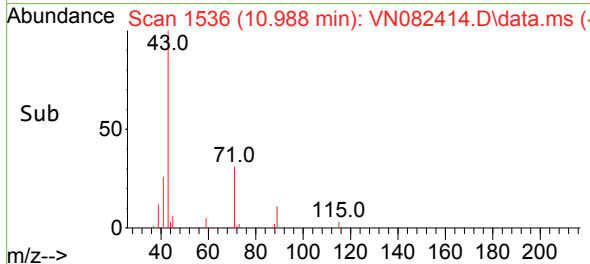
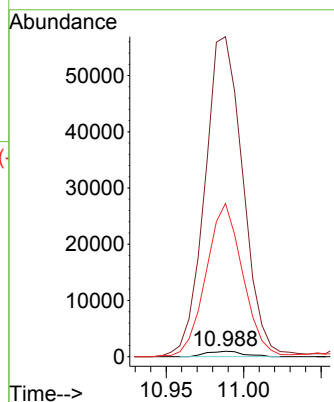


#56
Ethyl methacrylate
Concen: 0.491 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

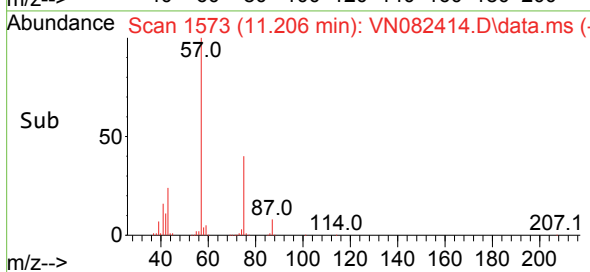
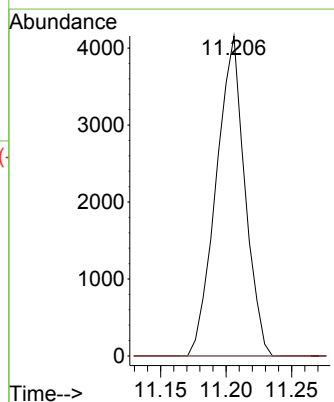
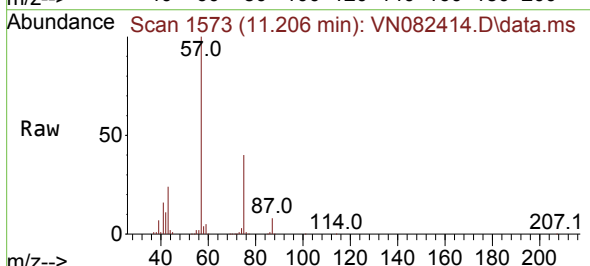


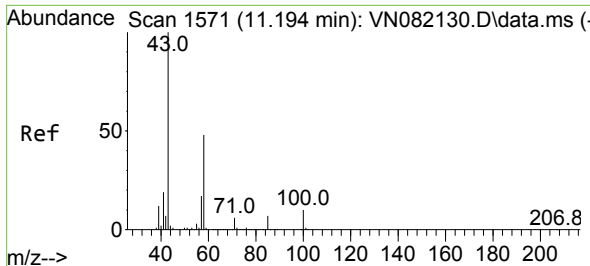
Tgt Ion: 69 Resp: 1614
Ion Ratio Lower Upper
69 100
41 6058.8 46.6 70.0#
39 2781.6 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.746 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 76 Resp: 6318
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

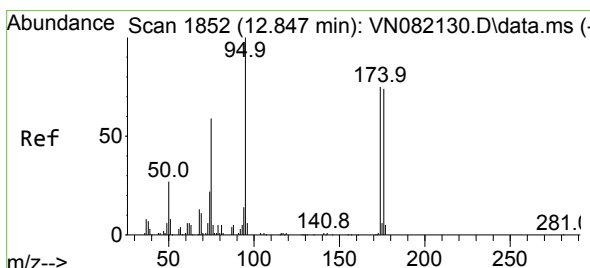
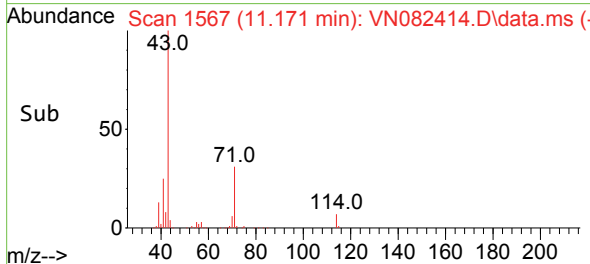
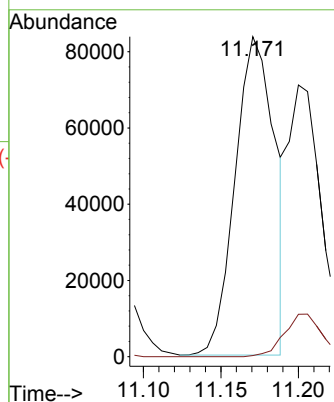
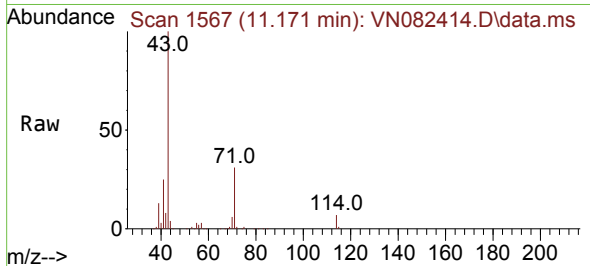




#59
2-Hexanone
Concen: 60.580 ug/l
RT: 11.171 min Scan# 11567
Delta R.T. -0.024 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

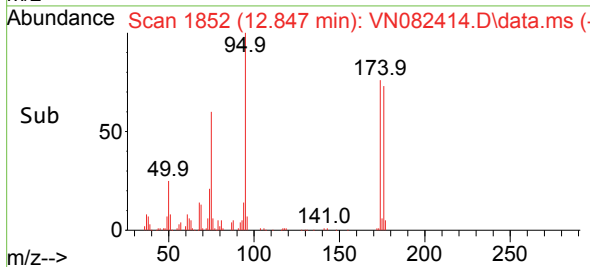
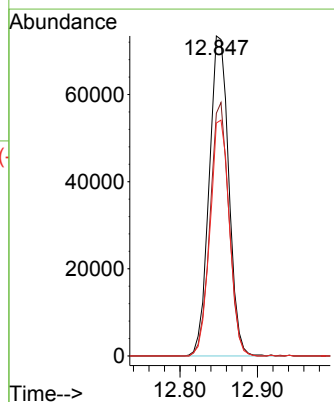
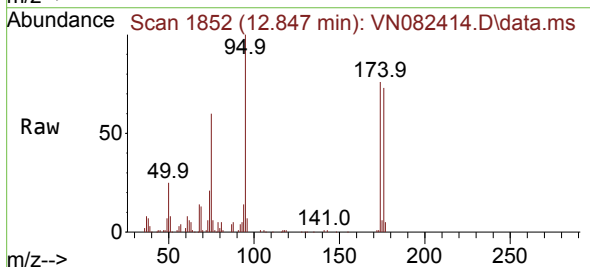
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

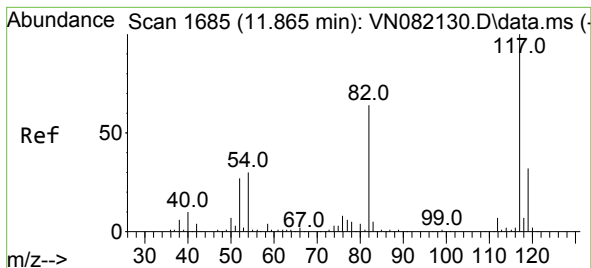
Tgt Ion: 43 Resp: 148702
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.077 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 95 Resp: 128857
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 73.2 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPS

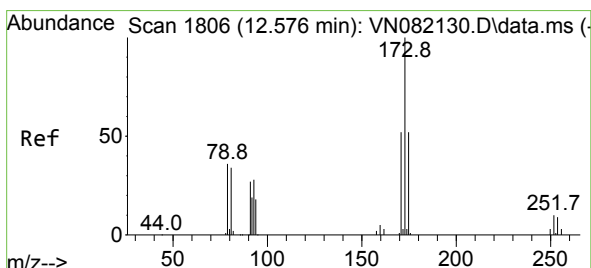
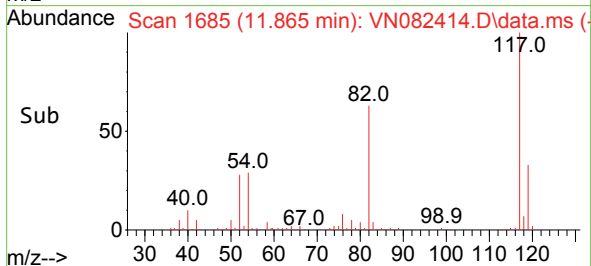
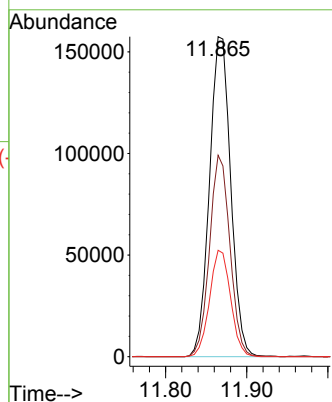
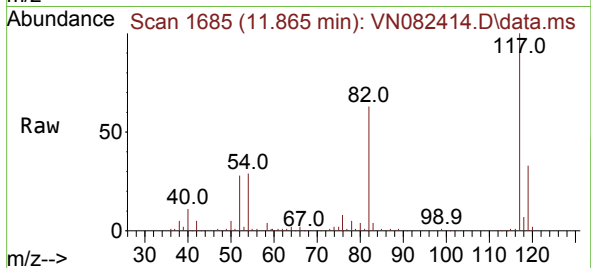
Tgt Ion:117 Resp: 285611

Ion Ratio Lower Upper

117 100

82 62.9 44.6 66.8

119 33.2 25.9 38.9



#71

Bromoform

Concen: 1.132 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

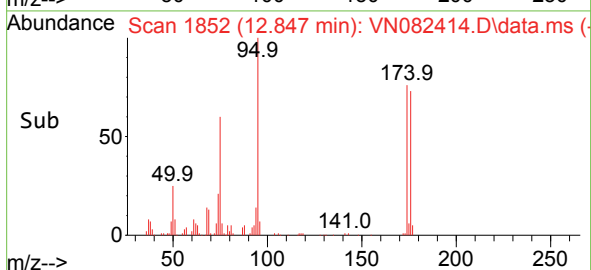
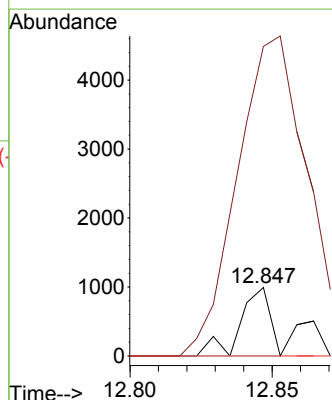
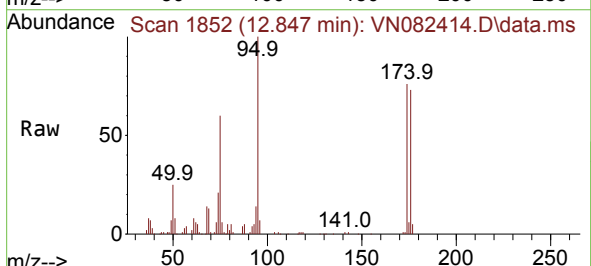
Tgt Ion:173 Resp: 723

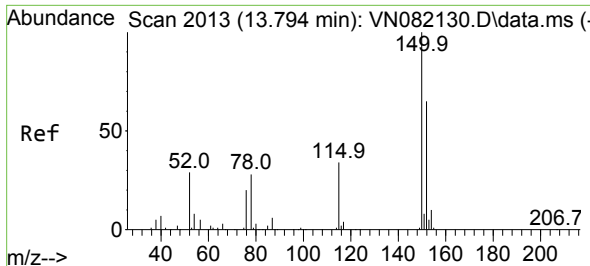
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0

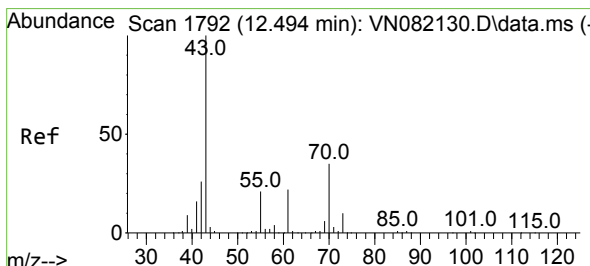
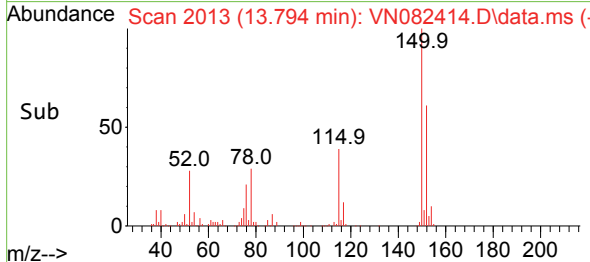
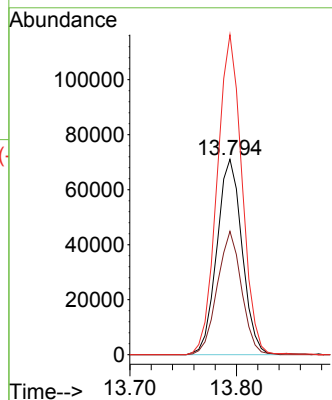
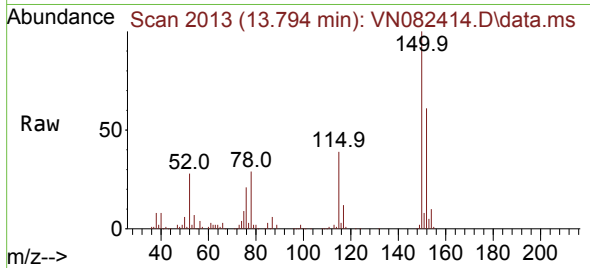




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

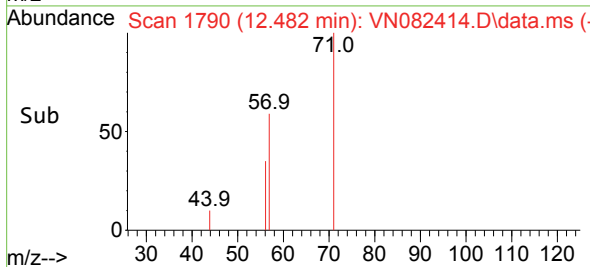
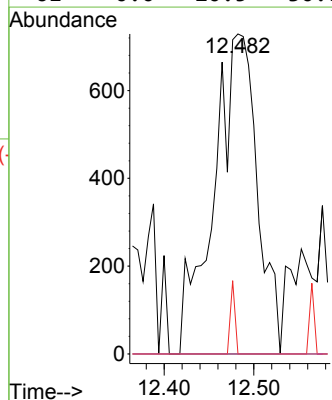
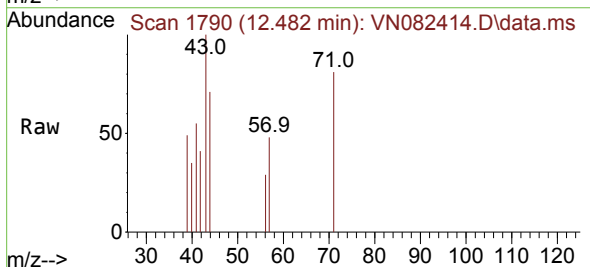
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPS

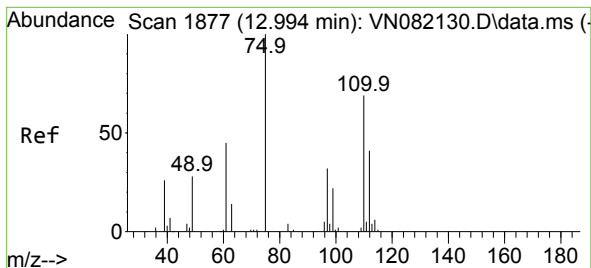
Tgt Ion:152 Resp: 116627
Ion Ratio Lower Upper
152 100
115 60.7 30.4 91.3
150 161.8 0.0 353.2



#74
N-ethyl acetate
Concen: 0.484 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082414.D
Acq: 31 May 2024 17:35

Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 2.4 21.3 31.9#
61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.152 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Instrument :

MSVOA_N

ClientSampleId :

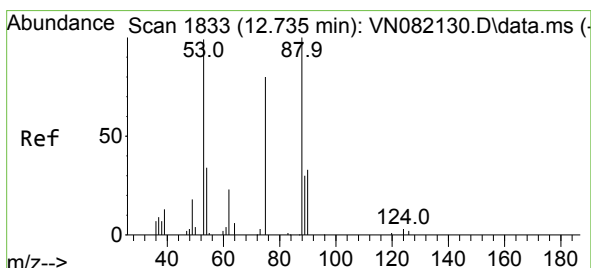
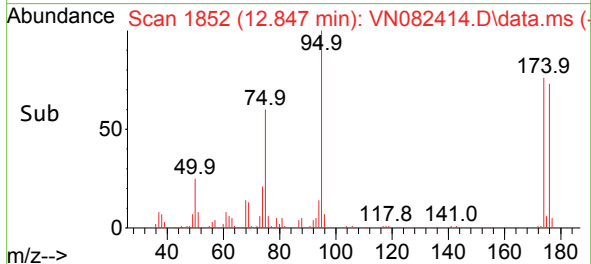
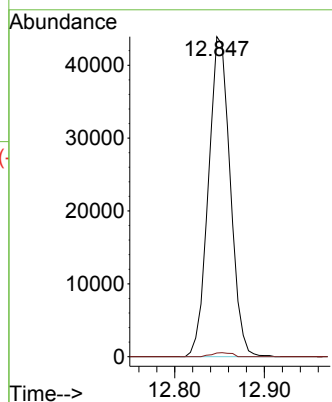
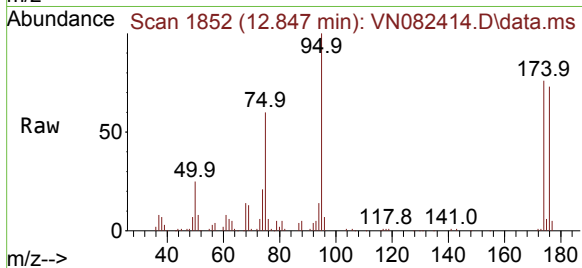
WCS-TPS

Tgt Ion: 75 Resp: 74015

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.525 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082414.D

Acq: 31 May 2024 17:35

Tgt Ion: 75 Resp: 74015

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

