

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082245.D
 Acq On : 21 May 2024 17:06
 Operator : JC\MD
 Sample : P2527-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPN

Quant Time: May 22 01:29:19 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

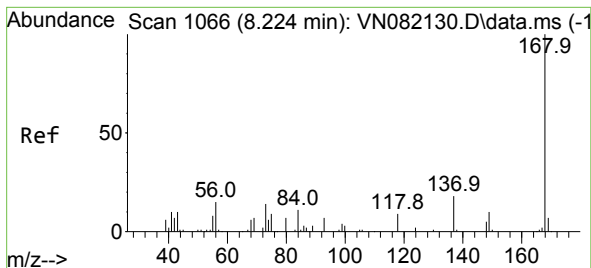
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	163332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	285842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136876	53.072	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 106.140%		
35) Dibromofluoromethane	8.171	113	97812	54.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 108.560%		
50) Toluene-d8	10.570	98	382351	55.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 110.680%		
62) 4-Bromofluorobenzene	12.853	95	131523	53.333	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 106.660%		
Target Compounds						Qvalue
5) Bromomethane	2.971	94	485	0.336	ug/l	96
11) Tert butyl alcohol	5.518	59	131	0.316	ug/l #	71
16) Acetone	4.436	43	30501	28.830	ug/l	89
18) Methyl Acetate	5.041	43	3092	1.174	ug/l #	59
20) Methylene Chloride	5.283	84	11827	5.541	ug/l #	83
25) 2-Butanone	7.500	43	2190	1.365	ug/l #	43
29) Tetrahydrofuran	7.859	42	844	0.820	ug/l #	34
31) Cyclohexane	8.224	56	4877	1.184	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	15484	5.123	ug/l #	49
37) Ethyl Acetate	7.571	43	5036	1.489	ug/l #	85
38) Carbon Tetrachloride	8.229	117	17496	5.710	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1513	0.436	ug/l #	73
43) Isopropyl Acetate	8.688	43	312628	52.161	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1681	0.723	ug/l #	45
48) Methyl methacrylate	9.665	41	5552	1.944	ug/l #	8
49) 1,4-Dioxane	9.741	88	80	1.999	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7567	2.222	ug/l #	79
53) t-1,3-Dichloropropene	10.729	75	1050	0.315	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	56993	16.153	ug/l #	76
56) Ethyl methacrylate	10.988	69	1656	0.496	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7357	2.002	ug/l #	42
59) 2-Hexanone	11.206	43	99073	39.734	ug/l #	53
74) N-amyl acetate	12.494	43	1715	0.328	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	75896	30.096	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75896	70.393	ug/l #	12

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

Quant Time: May 22 01:29:19 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

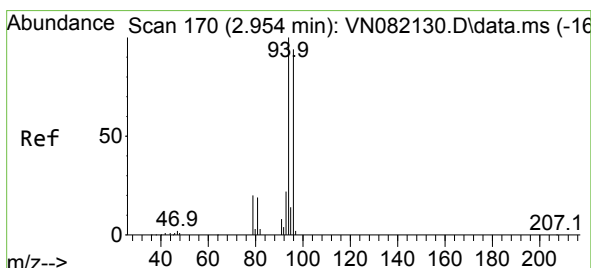
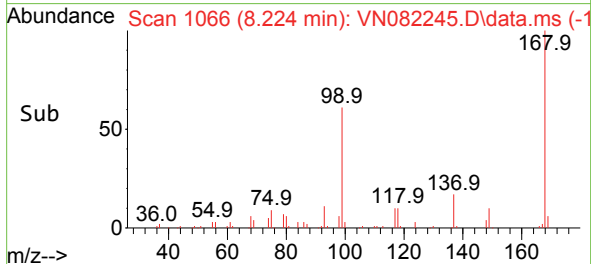
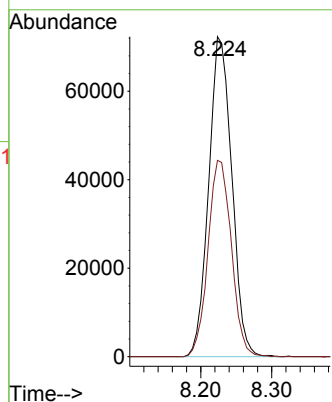
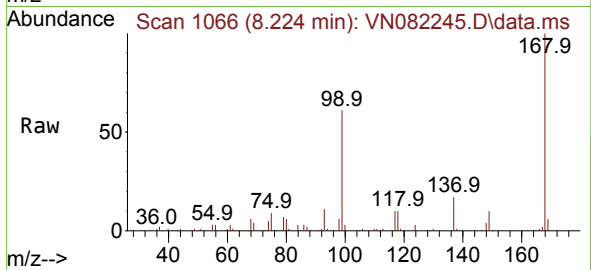




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

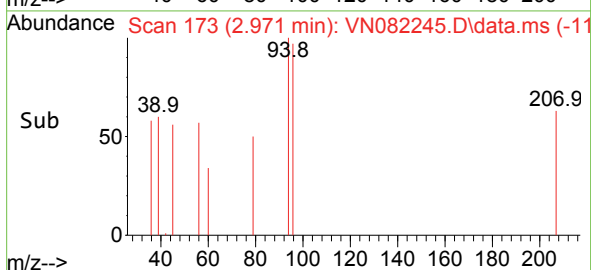
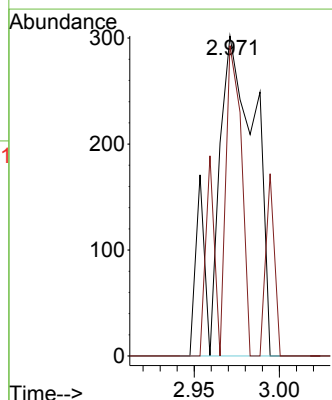
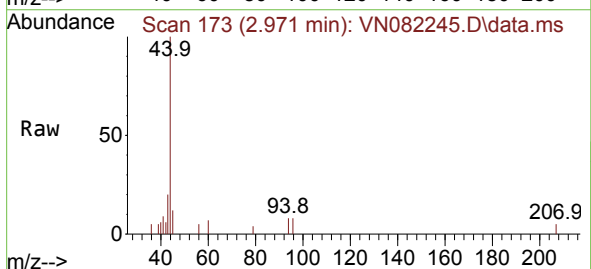
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

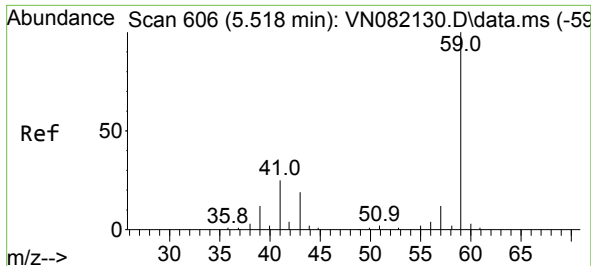
Tgt Ion:168 Resp: 163332
Ion Ratio Lower Upper
168 100
99 61.4 48.2 72.4



#5
Bromomethane
Concen: 0.336 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.017 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 97.0 74.8 112.2

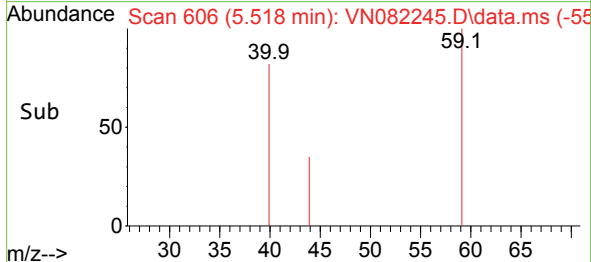
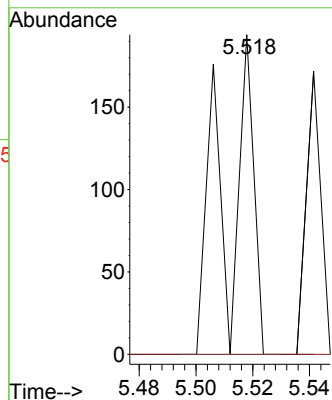
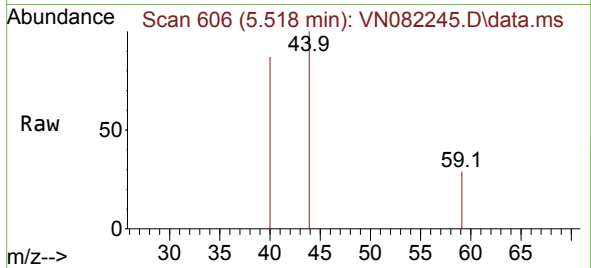




#11
Tert butyl alcohol
Concen: 0.316 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

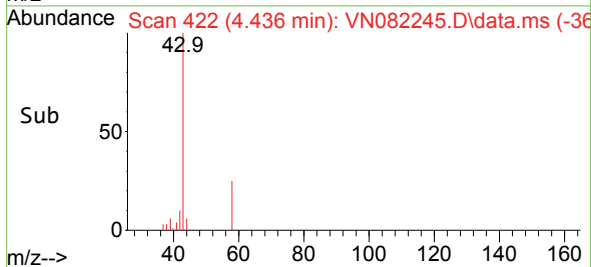
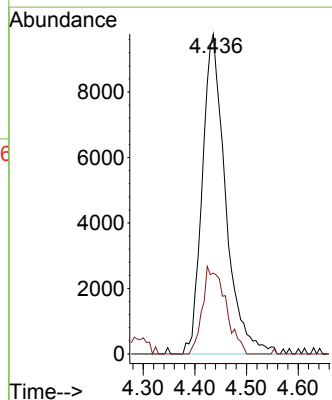
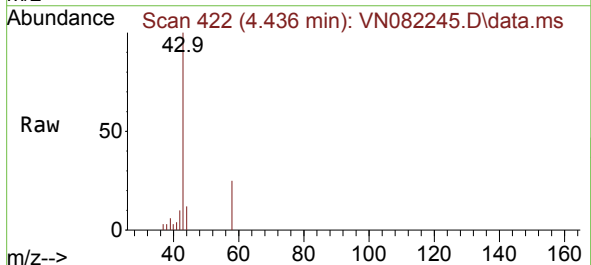
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 28.830 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 43 Resp: 30501
Ion Ratio Lower Upper
43 100
58 25.3 25.2 37.8

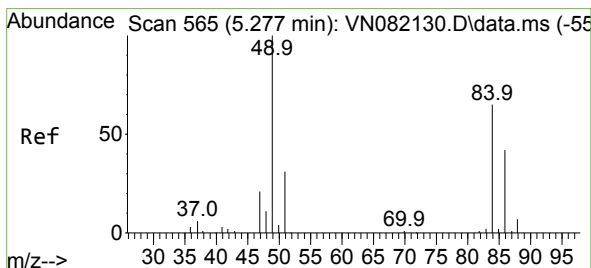
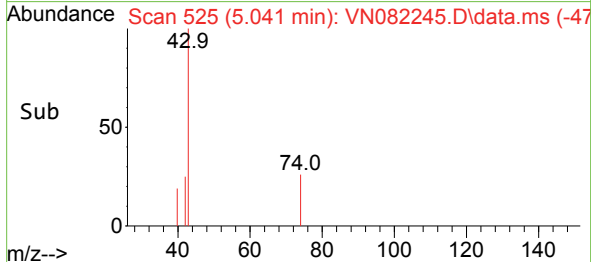
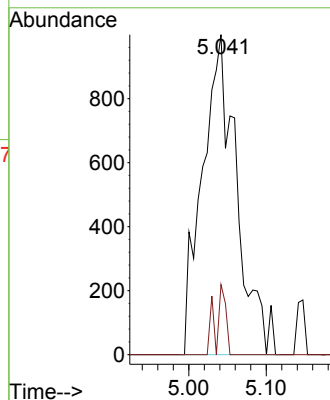
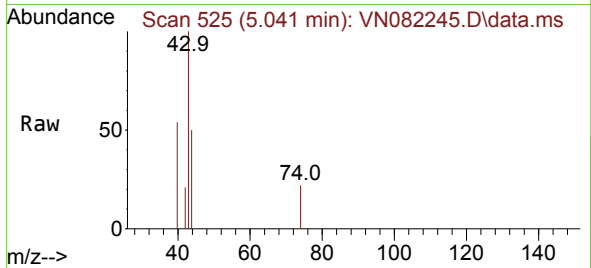




#18
Methyl Acetate
Concen: 1.174 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

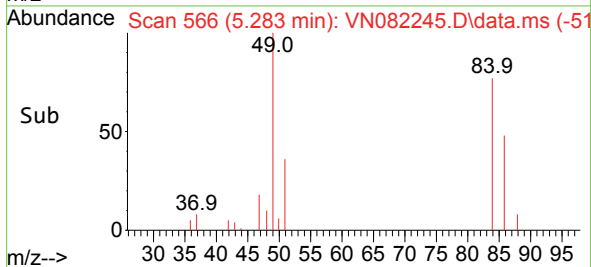
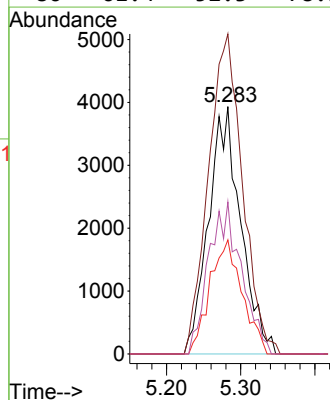
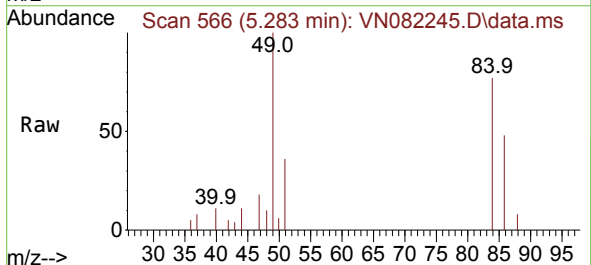
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

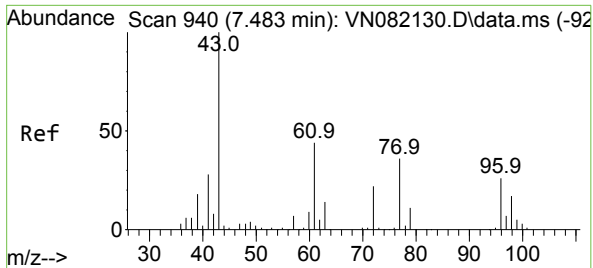
Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
74 6.4 22.2 33.2#



#20
Methylene Chloride
Concen: 5.541 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 84 Resp: 11827
Ion Ratio Lower Upper
84 100
49 129.3 84.9 127.3#
51 46.1 27.0 40.6#
86 61.4 52.3 78.5

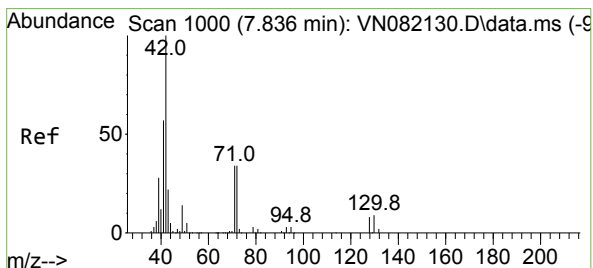
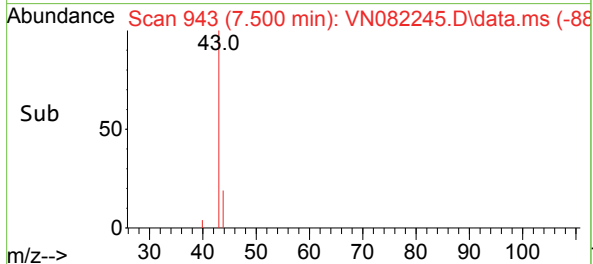
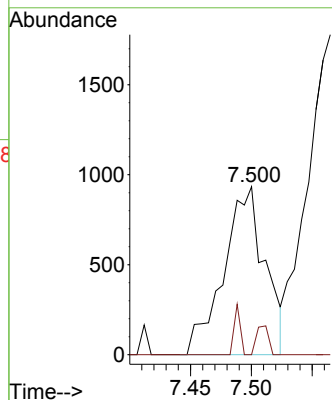
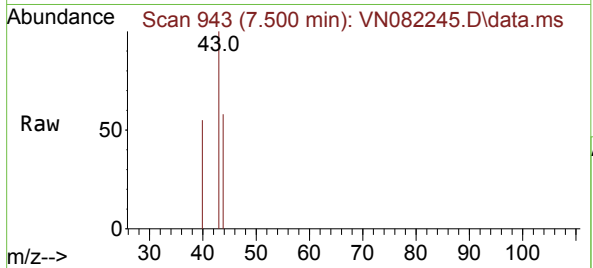




#25
2-Butanone
Concen: 1.365 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.017 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

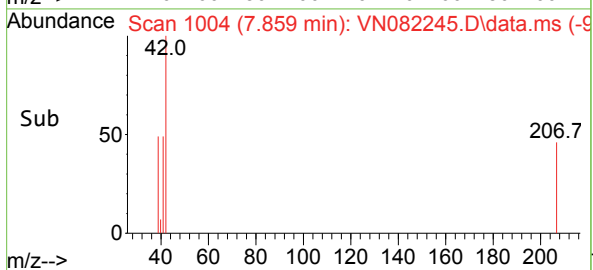
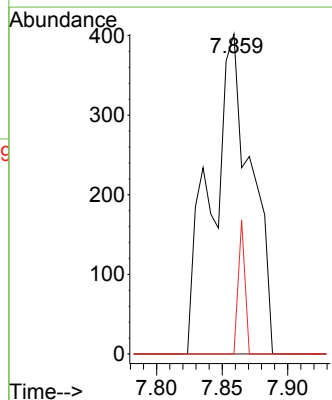
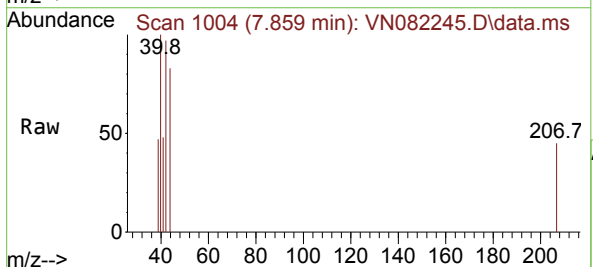
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

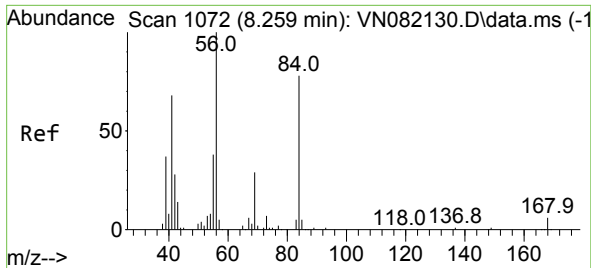
Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.820 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 42 Resp: 844
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 7.0 37.4 56.0#

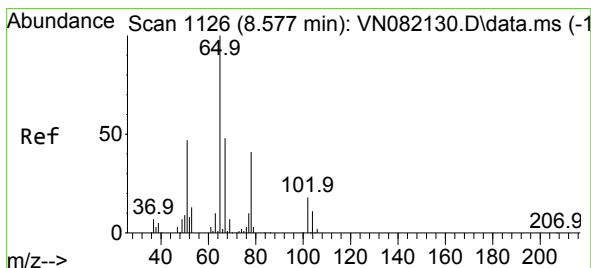
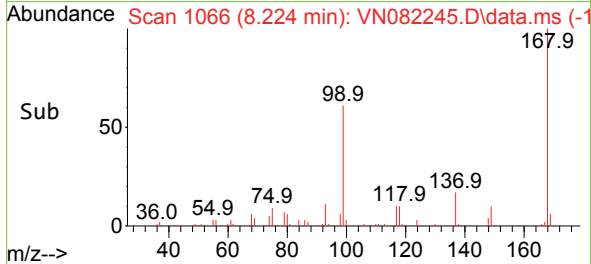
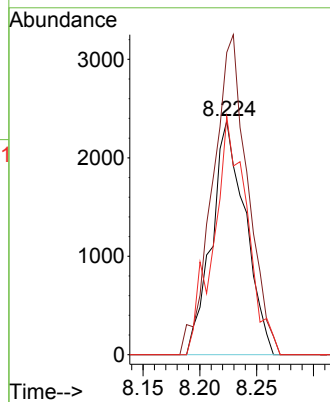
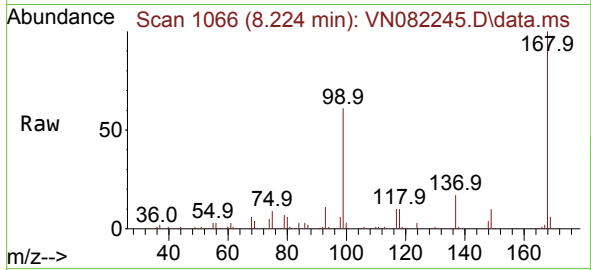




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

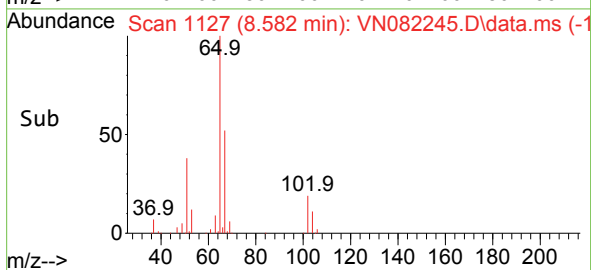
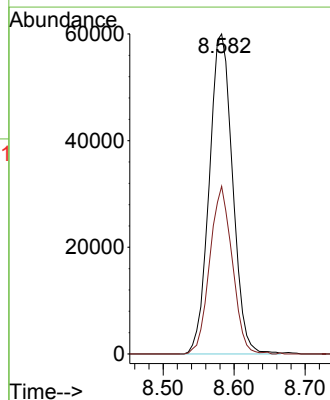
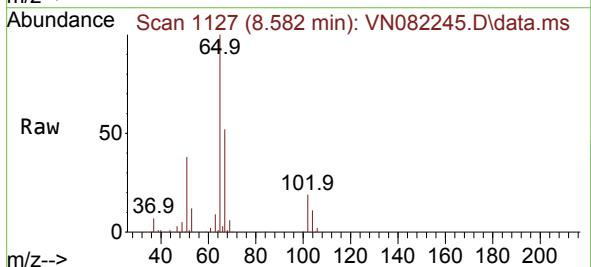
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

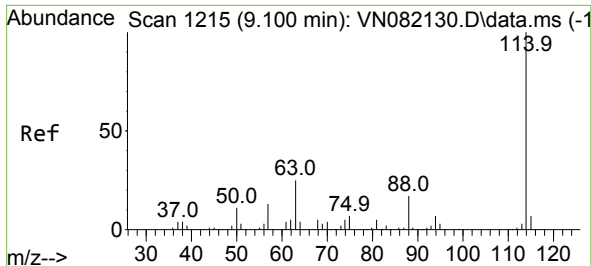
Tgt Ion: 56 Resp: 4877
Ion Ratio Lower Upper
56 100
69 129.3 24.4 36.6#
84 101.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.072 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 65 Resp: 136876
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0

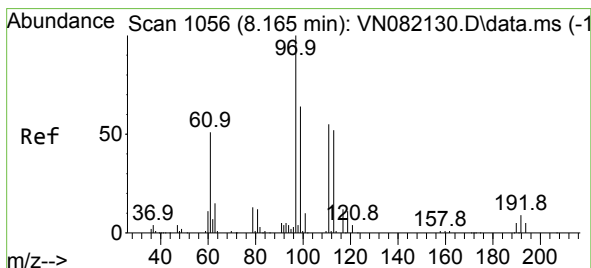
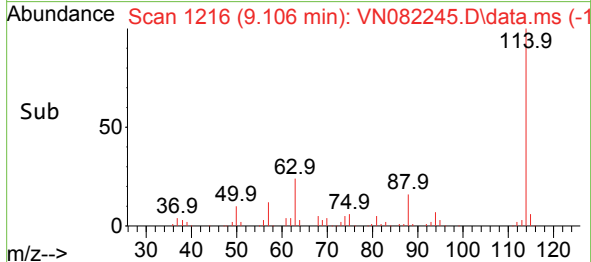
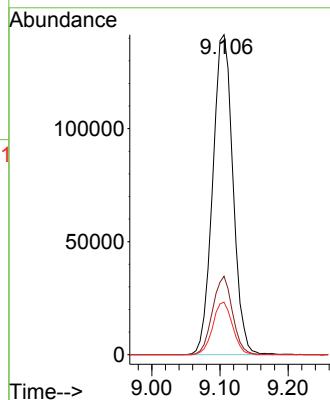
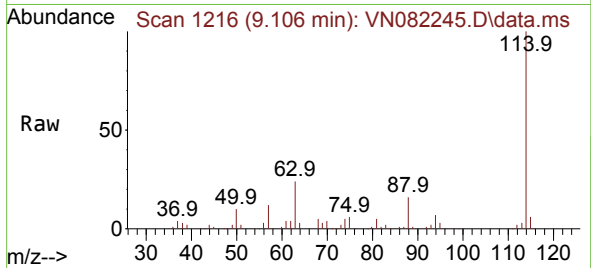




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

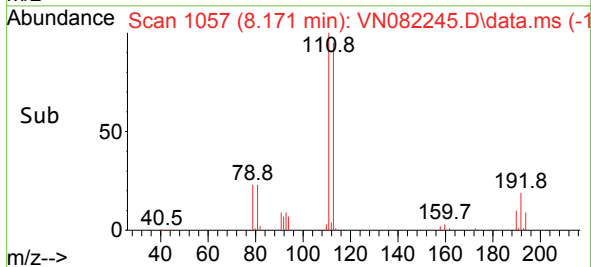
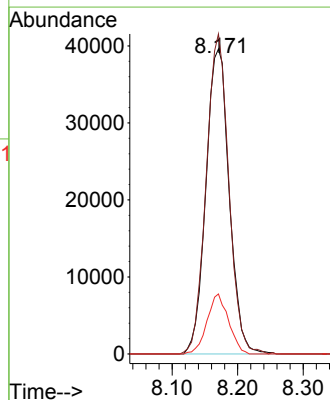
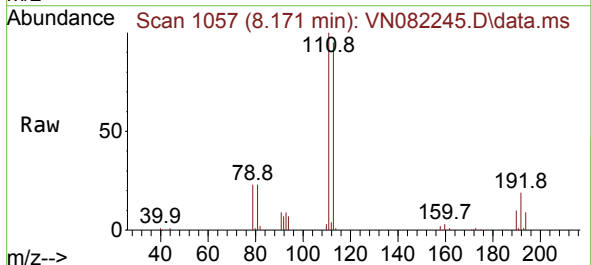
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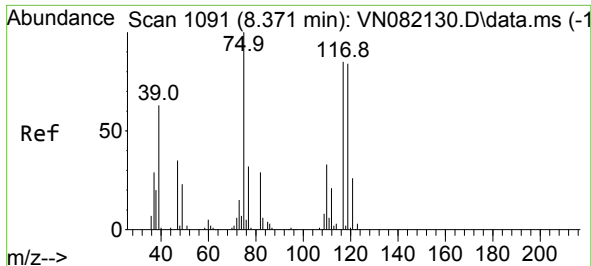
Tgt Ion:114 Resp: 292954
Ion Ratio Lower Upper
114 100
63 24.5 0.0 41.0
88 16.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.276 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion:113 Resp: 97812
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.2
192 18.1 14.0 21.0

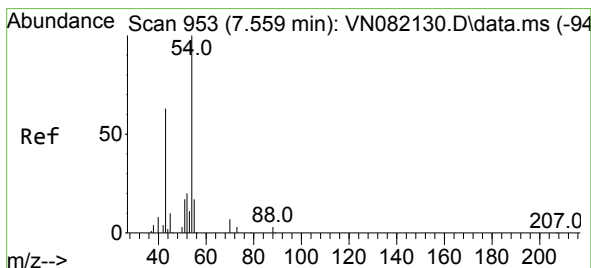
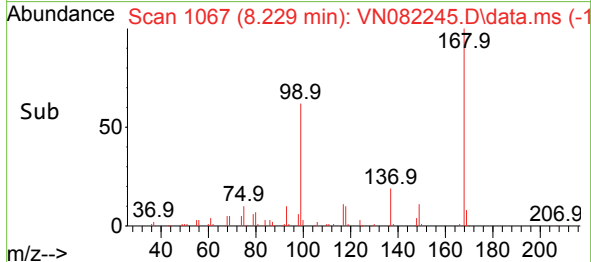
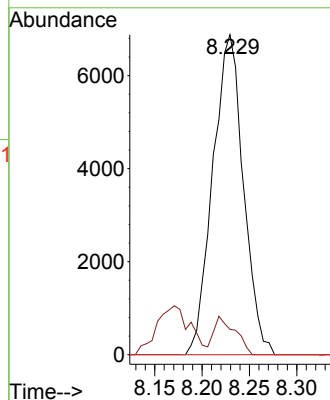
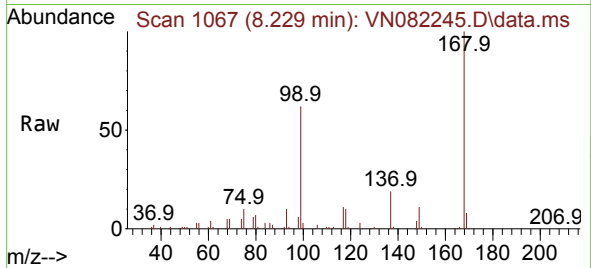




#36
1,1-Dichloropropene
Concen: 5.123 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

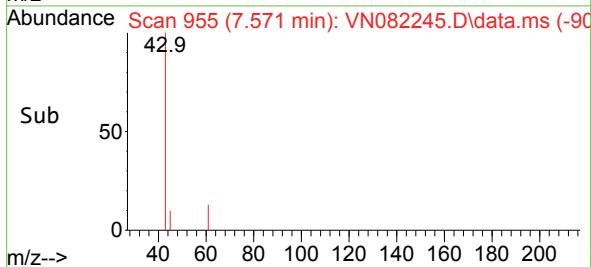
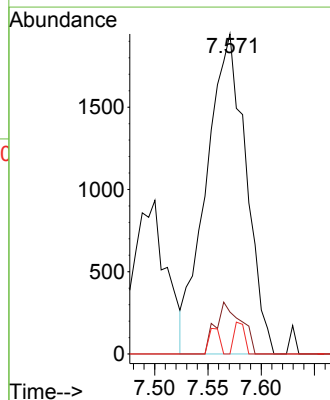
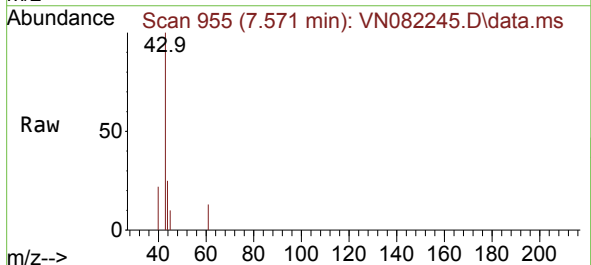
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ClientSampleId :
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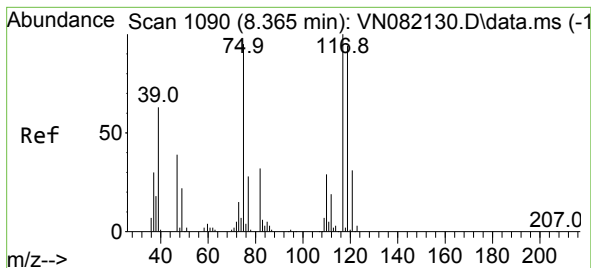
Tgt Ion: 75 Resp: 15484
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.489 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 43 Resp: 5036
Ion Ratio Lower Upper
43 100
61 10.5 11.3 16.9#
70 2.6 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.710 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN082245.D

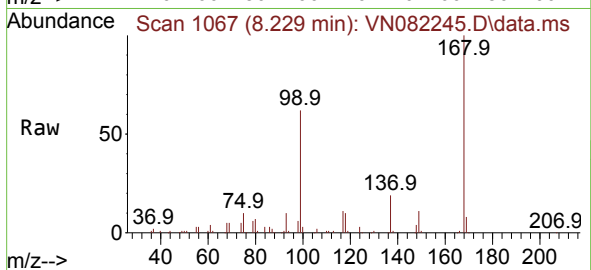
Acq: 21 May 2024 17:06

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPN



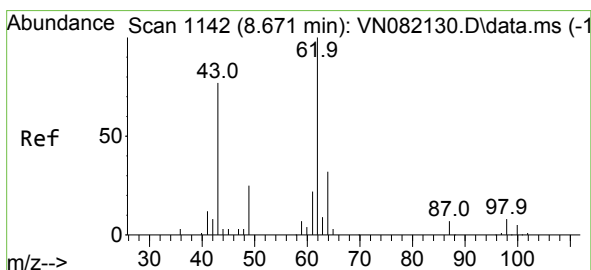
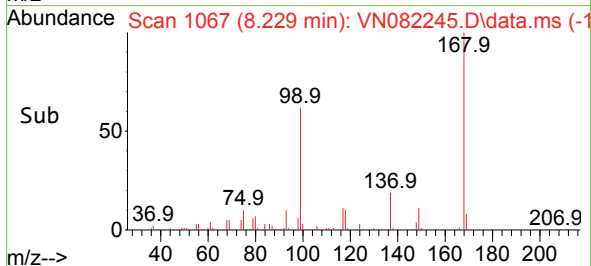
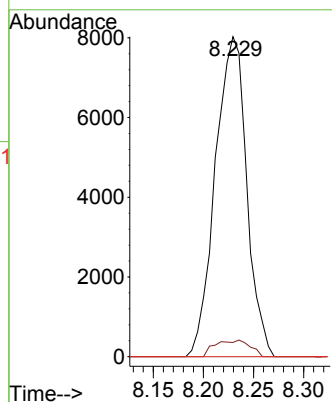
Tgt Ion:117 Resp: 17496

Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.436 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082245.D

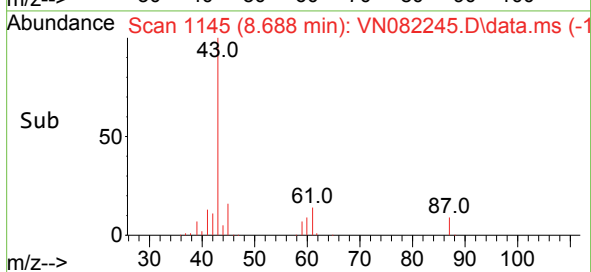
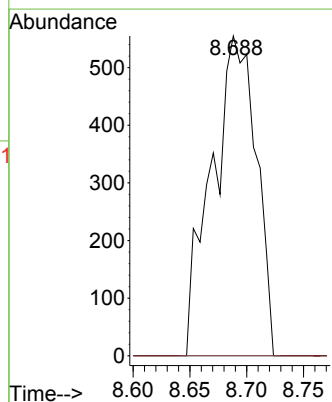
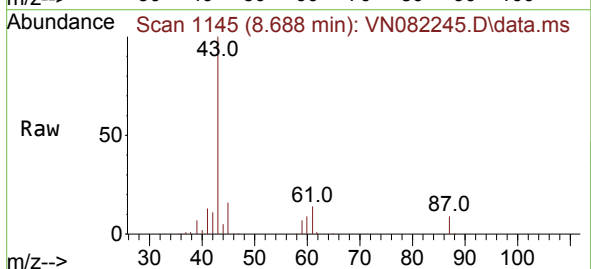
Acq: 21 May 2024 17:06

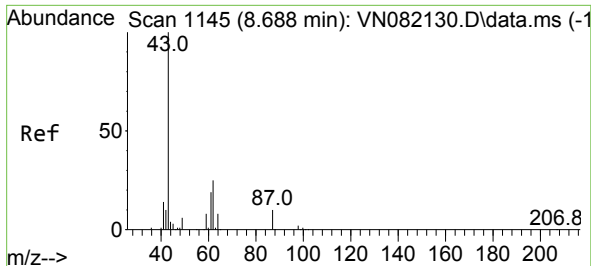
Tgt Ion: 62 Resp: 1513

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

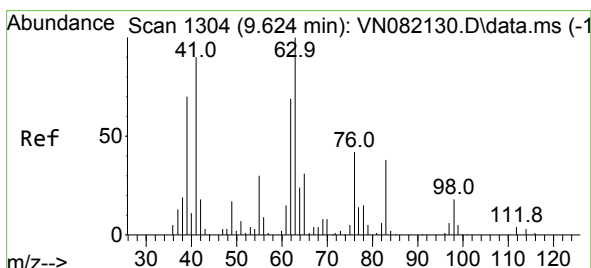
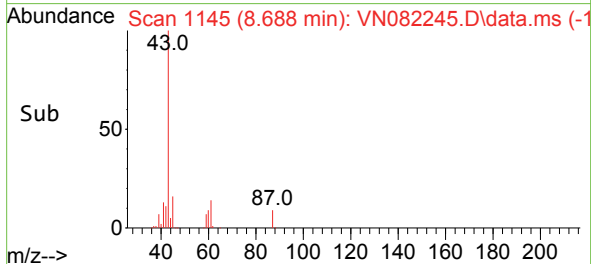
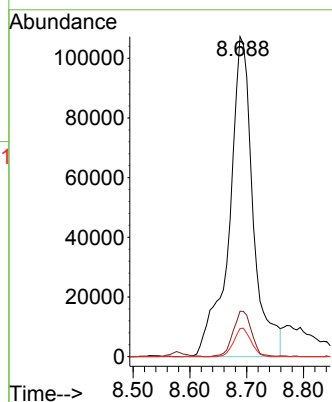
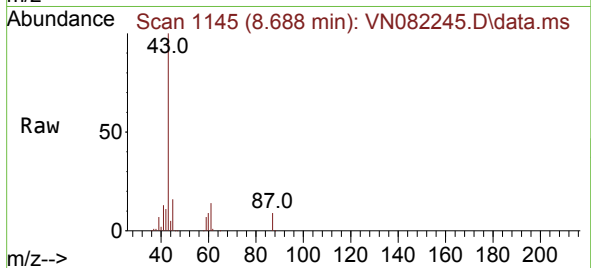




#43
Isopropyl Acetate
Concen: 52.161 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

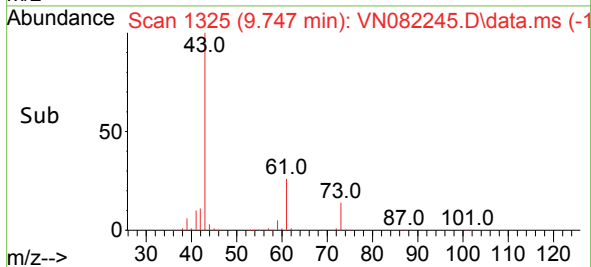
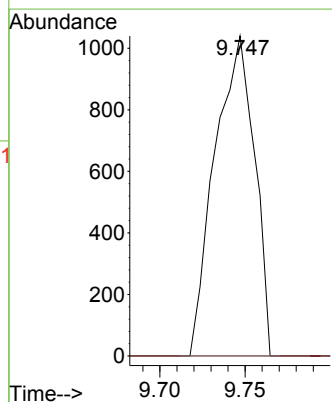
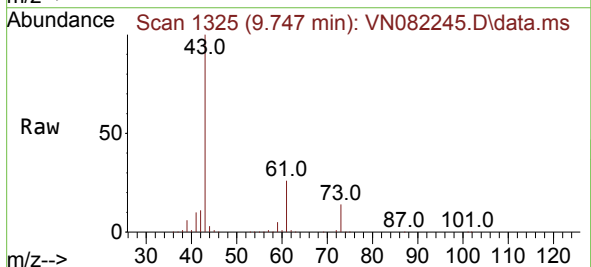
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

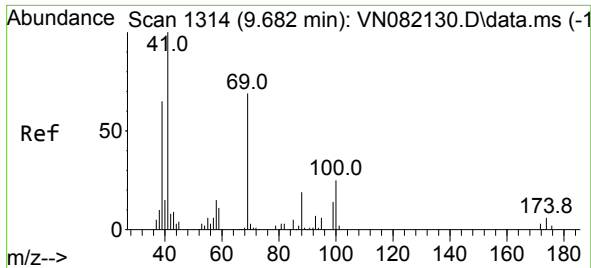
Tgt Ion: 43 Resp: 312628
Ion Ratio Lower Upper
43 100
61 11.0 22.8 34.2#
87 6.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.723 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 63 Resp: 1681
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

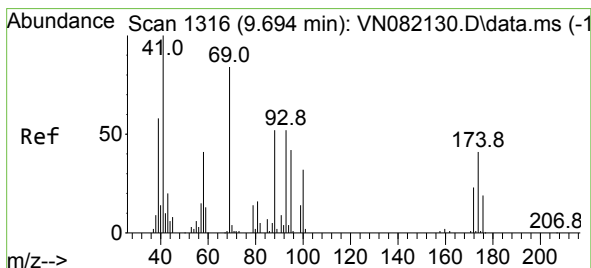
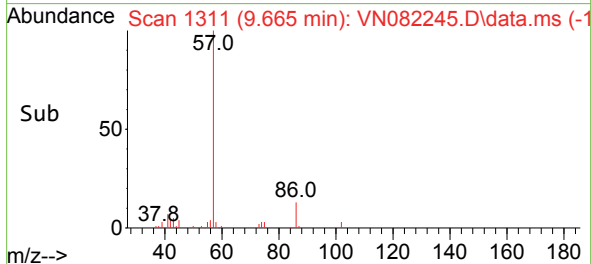
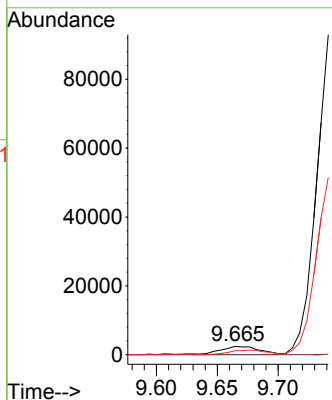
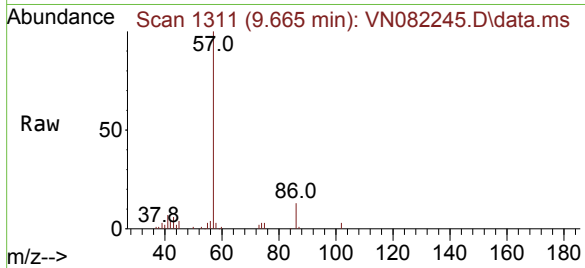




#48
Methyl methacrylate
Concen: 1.944 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

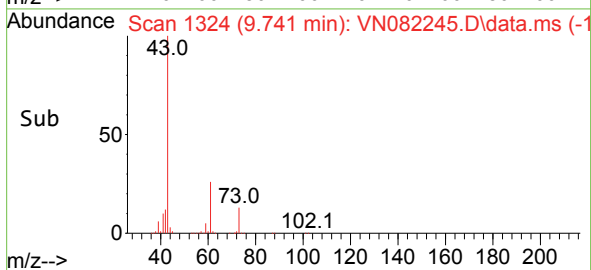
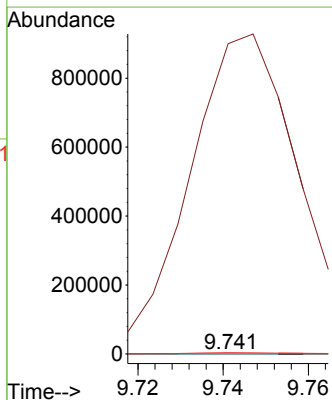
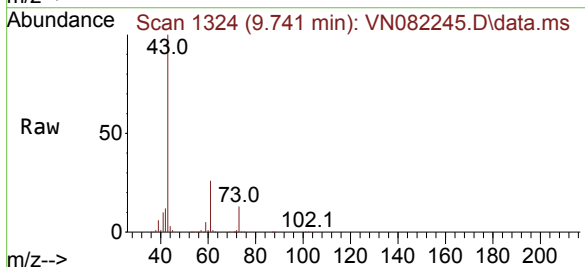
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

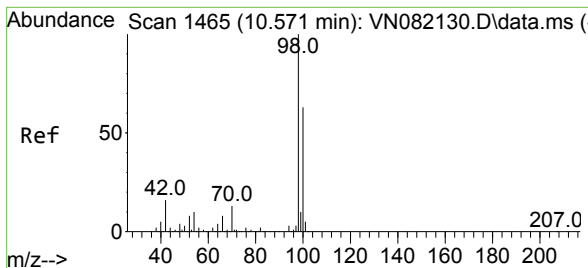
Tgt Ion: 41 Resp: 5552
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 1.999 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 2103431.3 19.0 28.6#
58 8578.8 50.6 76.0#

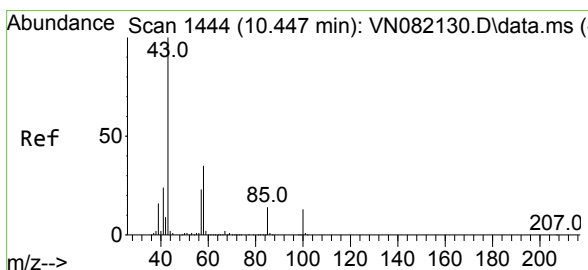
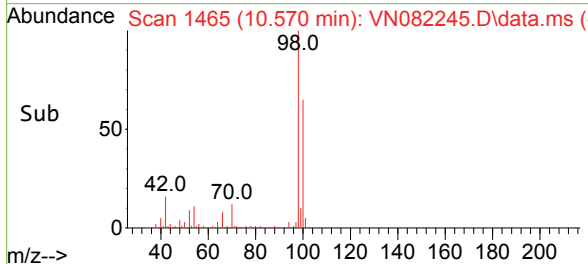
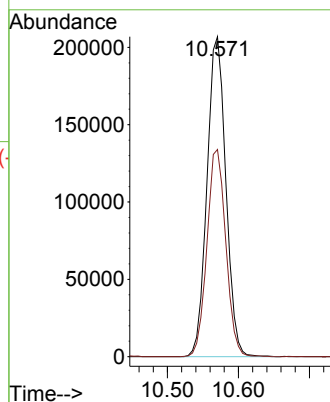
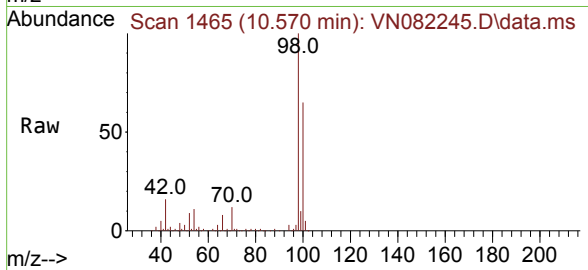




#50
Toluene-d8
Concen: 55.340 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

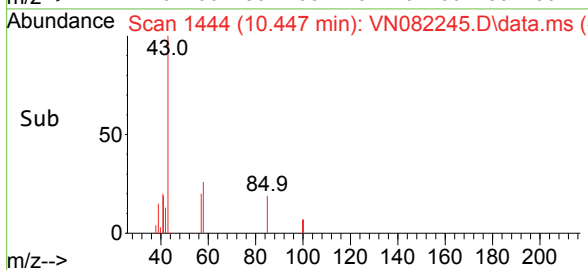
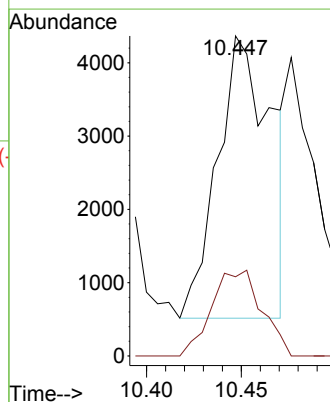
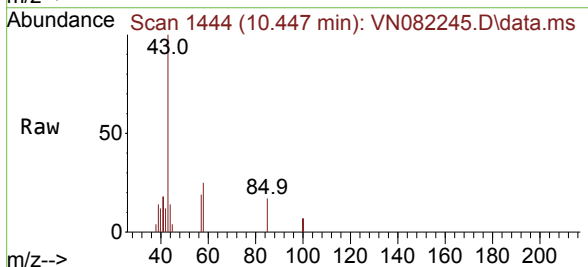
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

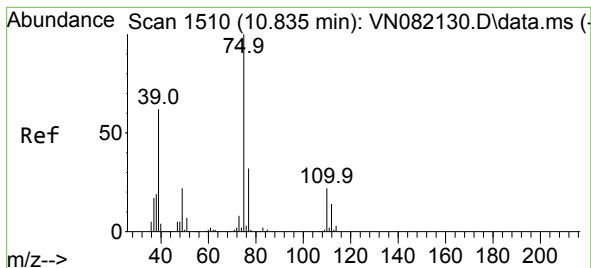
Tgt Ion: 98 Resp: 382351
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.222 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 43 Resp: 7567
Ion Ratio Lower Upper
43 100
58 28.4 33.2 49.8#

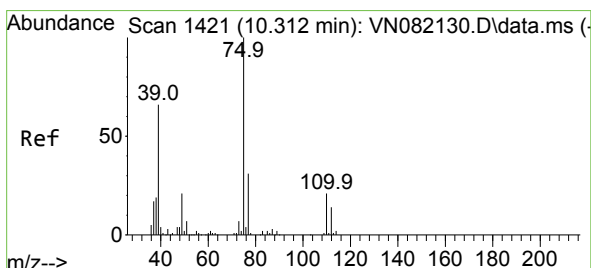
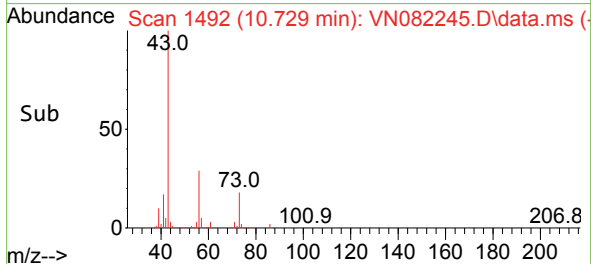
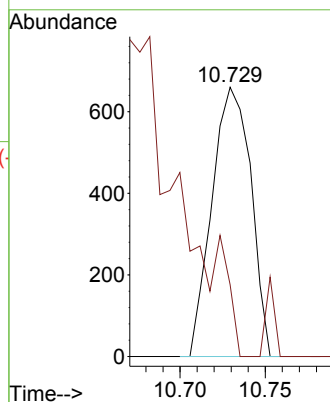
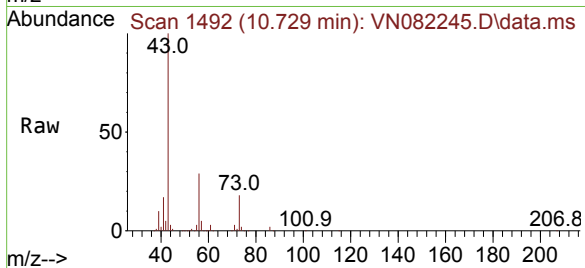




#53
t-1,3-Dichloropropene
Concen: 0.315 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

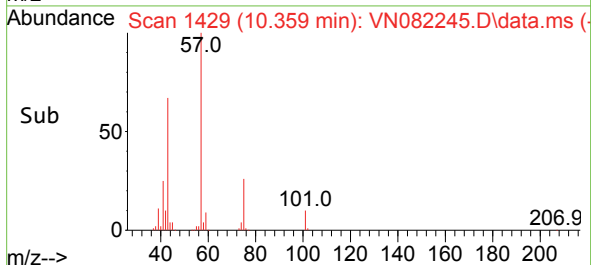
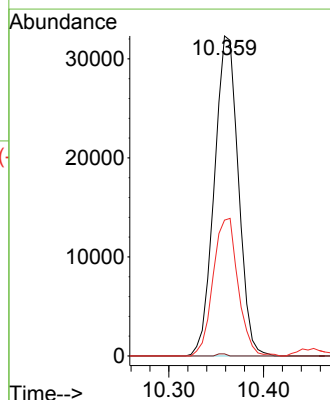
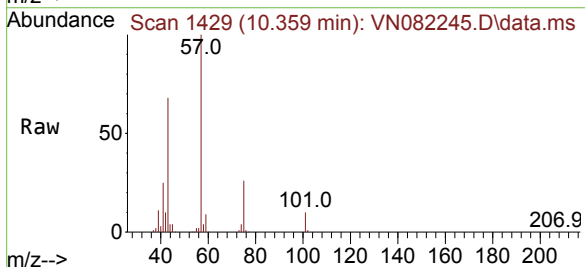
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

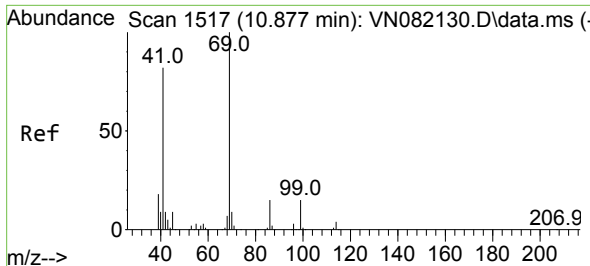
Tgt Ion: 75 Resp: 1050
Ion Ratio Lower Upper
75 100
77 26.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 16.153 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

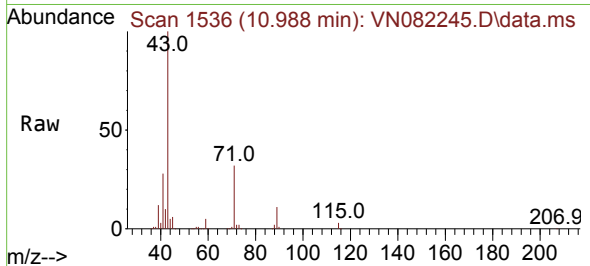
Tgt Ion: 75 Resp: 56993
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 42.4 34.8 52.2



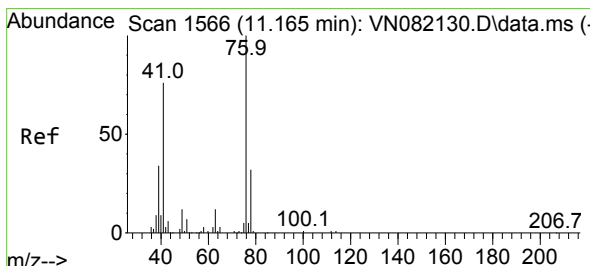
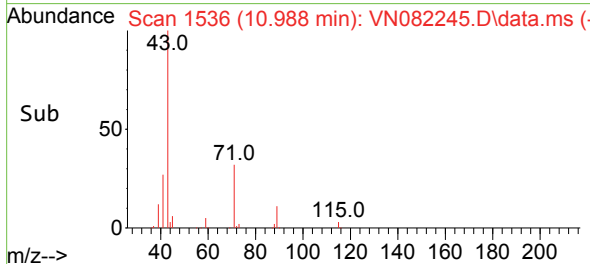
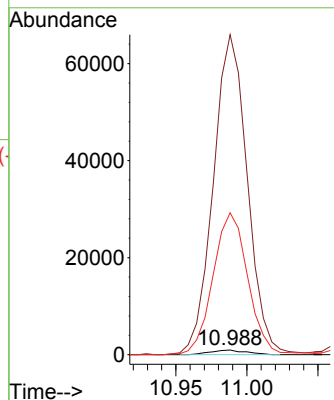


#56
Ethyl methacrylate
Concen: 0.496 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

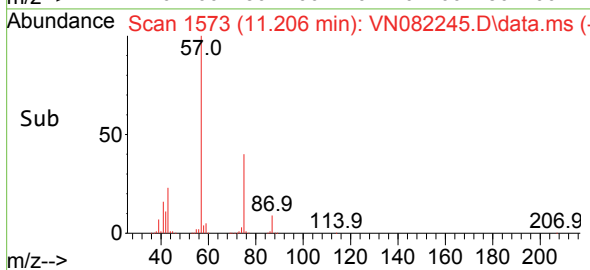
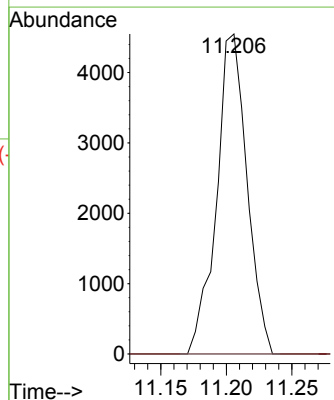
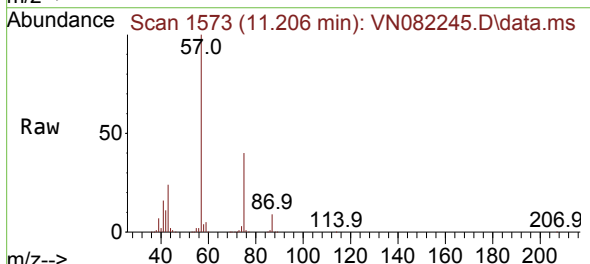


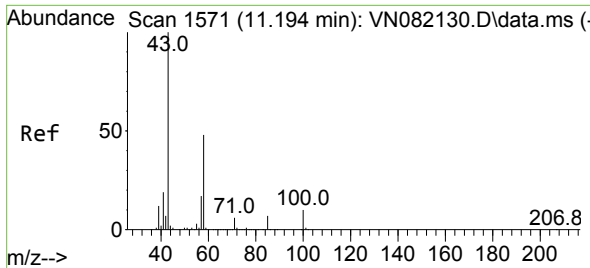
Tgt Ion: 69 Resp: 1656
Ion Ratio Lower Upper
69 100
41 6652.2 46.6 70.0#
39 3022.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.002 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 76 Resp: 7357
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

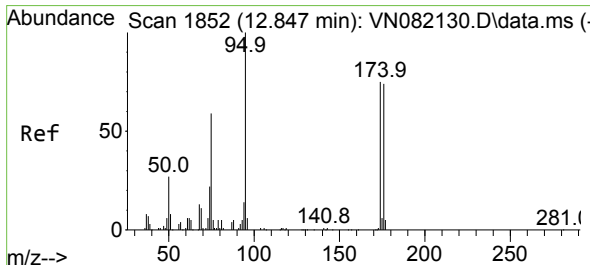
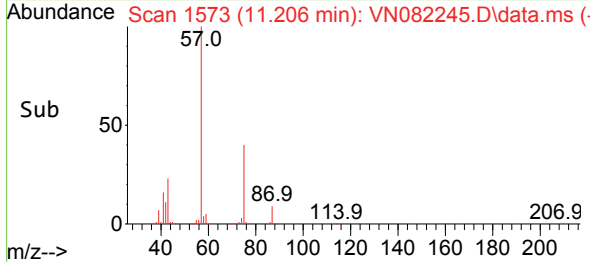
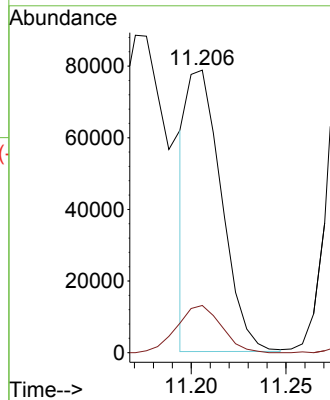
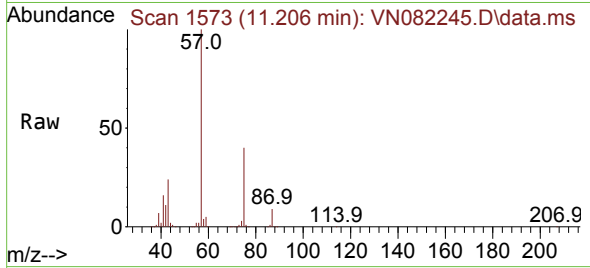




#59
2-Hexanone
Concen: 39.734 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

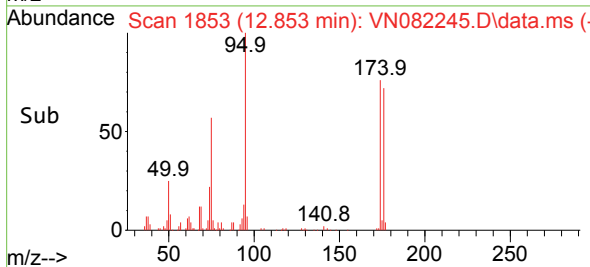
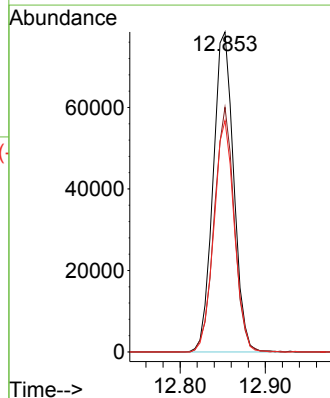
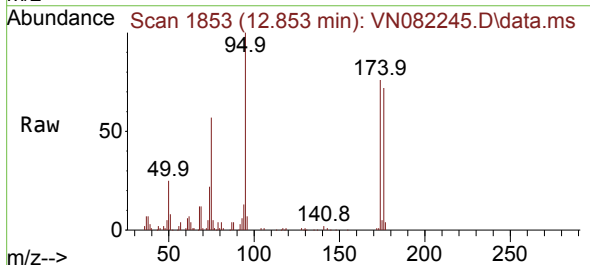
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

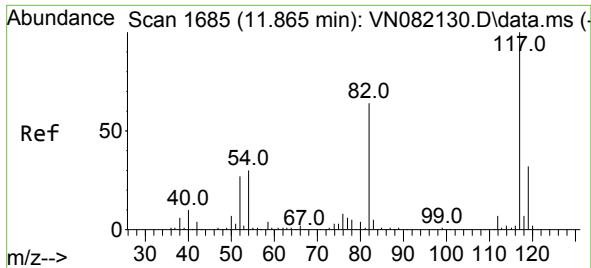
Tgt Ion: 43 Resp: 99073
Ion Ratio Lower Upper
43 100
58 21.8 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.333 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion: 95 Resp: 131523
Ion Ratio Lower Upper
95 100
174 74.2 0.0 160.6
176 71.9 0.0 152.8

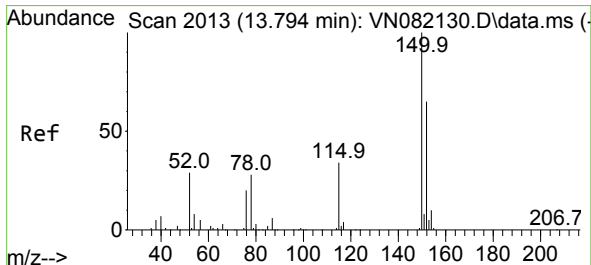
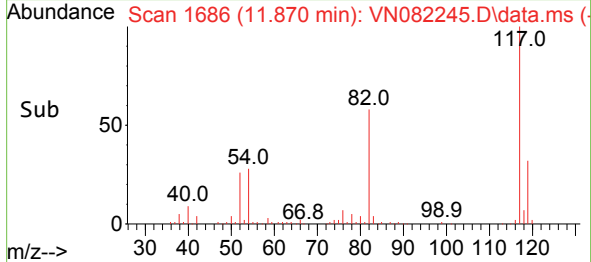
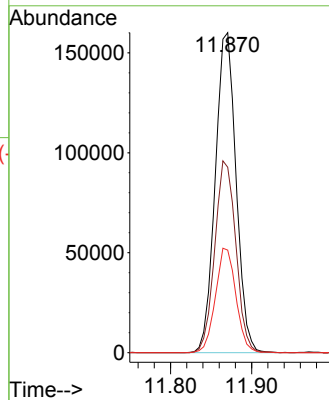
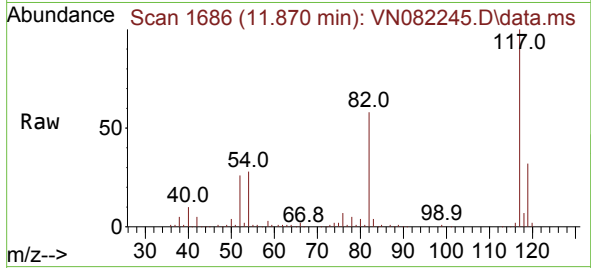




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

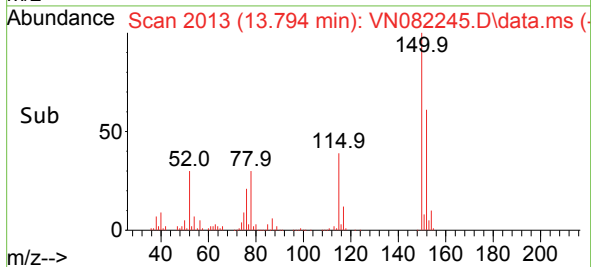
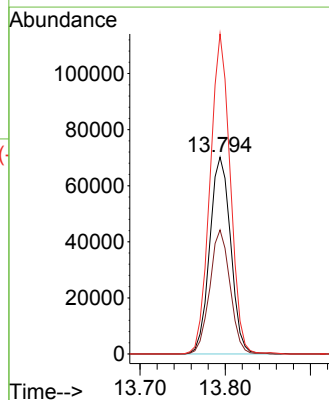
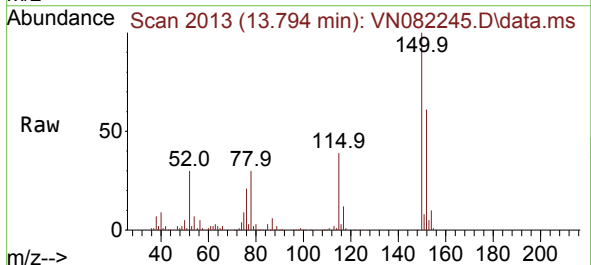
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN

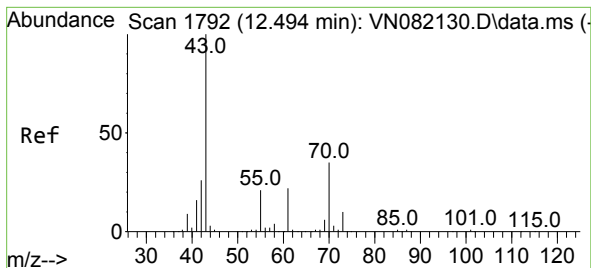
Tgt Ion:117 Resp: 285842
Ion Ratio Lower Upper
117 100
82 57.9 44.6 66.8
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Tgt Ion:152 Resp: 119815
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 156.6 0.0 353.2





#74

N-amyl acetate

Concen: 0.328 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082245.D

Acq: 21 May 2024 17:06

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPN

Tgt Ion: 43 Resp: 1715

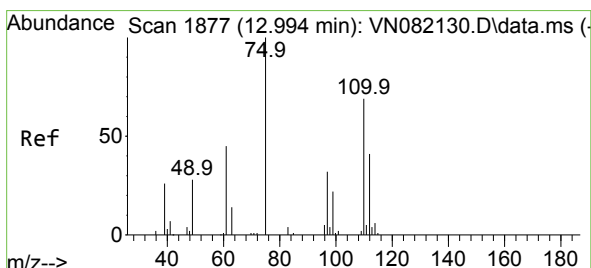
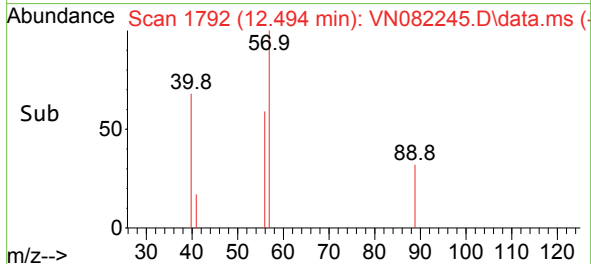
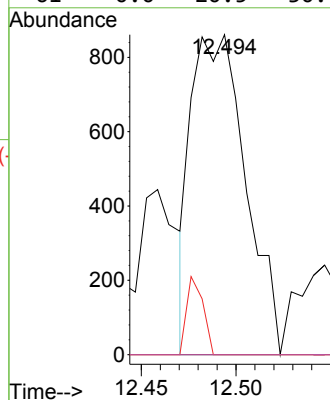
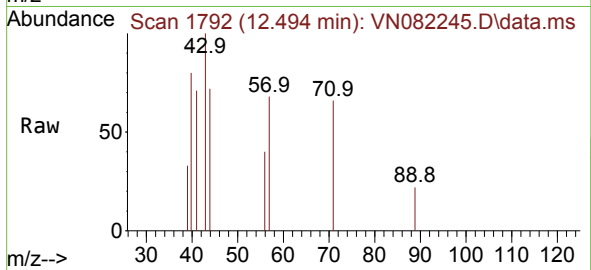
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 7.4 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 30.096 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082245.D

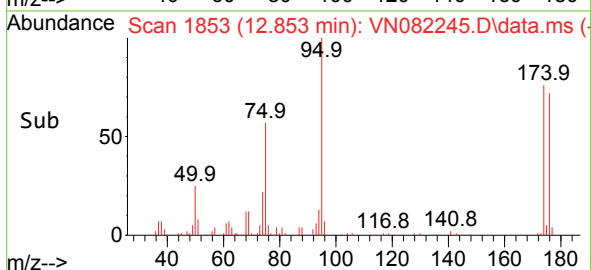
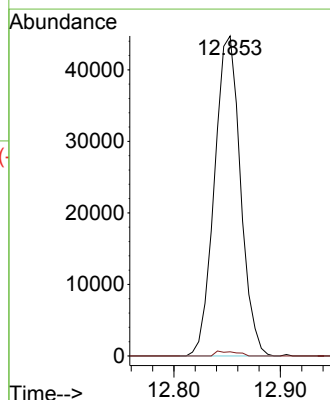
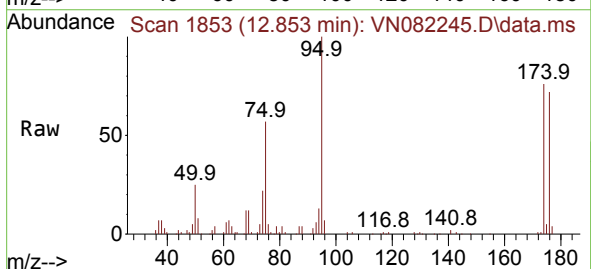
Acq: 21 May 2024 17:06

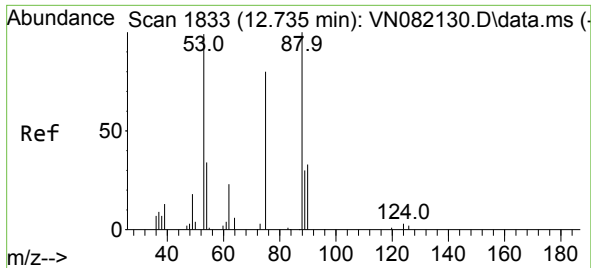
Tgt Ion: 75 Resp: 75896

Ion Ratio Lower Upper

75 100

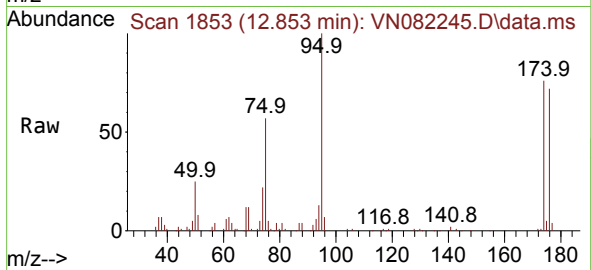
77 1.2 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082245.D
Acq: 21 May 2024 17:06

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPN



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

