

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082222.D
 Acq On : 20 May 2024 20:12
 Operator : JC\MD
 Sample : P2512-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPJ

Quant Time: May 21 03:54:05 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	159104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135128	53.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.580%			
35) Dibromofluoromethane	8.165	113	93211	53.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.571	98	375638	55.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.720%			
62) 4-Bromofluorobenzene	12.847	95	121634	50.681	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.360%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	18960	18.397	ug/l	94
18) Methyl Acetate	5.030	43	3403	1.326	ug/l #	63
20) Methylene Chloride	5.271	84	9339	4.491	ug/l #	75
25) 2-Butanone	7.500	43	1893	1.211	ug/l	97
29) Tetrahydrofuran	7.841	42	332	0.331	ug/l #	42
31) Cyclohexane	8.230	56	4686	1.168	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	14388	4.891	ug/l #	49
37) Ethyl Acetate	7.559	43	4235	1.287	ug/l #	73
38) Carbon Tetrachloride	8.224	117	17106	5.737	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	991	0.294	ug/l #	73
43) Isopropyl Acetate	8.688	43	286972	49.198	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1582	0.699	ug/l #	45
48) Methyl methacrylate	9.741	41	146117	52.572	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	123867	37.376	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	742	0.229	ug/l #	70
54) cis-1,3-Dichloropropene	10.359	75	46780	13.623	ug/l #	73
56) Ethyl methacrylate	10.988	69	1590	0.490	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6285	1.757	ug/l #	42
59) 2-Hexanone	11.200	43	97601	40.221	ug/l #	48
71) Bromoform	12.841	173	314	0.896	ug/l #	1
74) N-amyl acetate	12.482	43	1729	0.355	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	69323	29.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69323	69.144	ug/l #	12

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

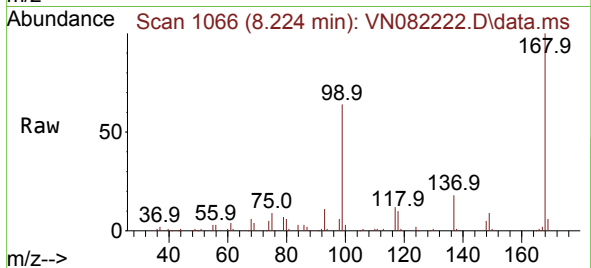
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



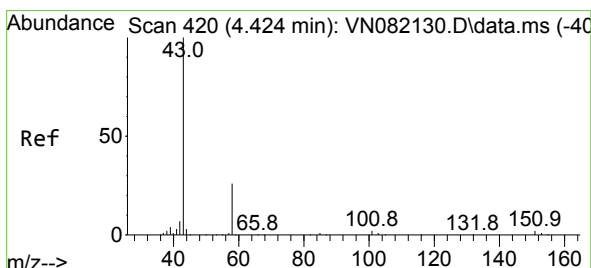
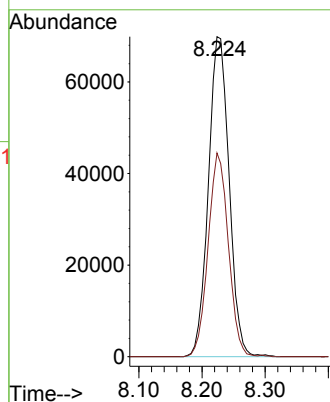
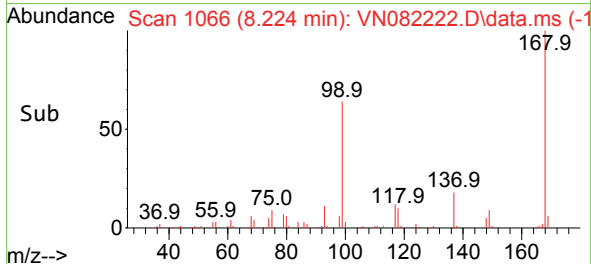


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

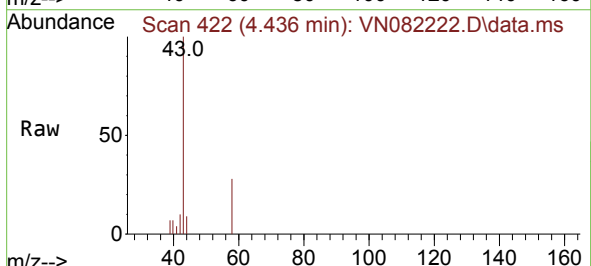
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ



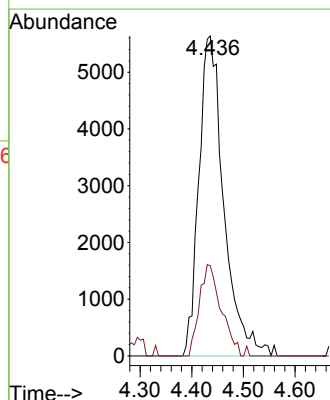
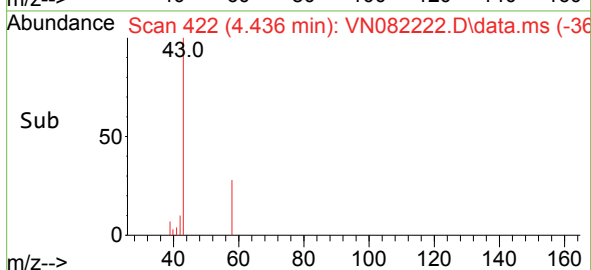
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Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.4

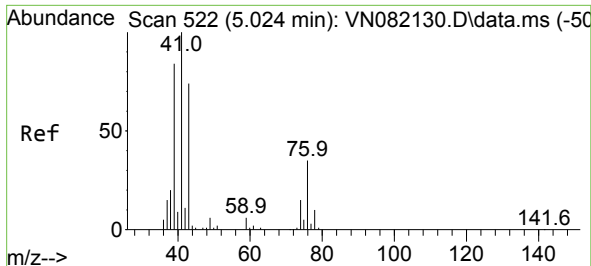


#16
Acetone
Concen: 18.397 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12



Tgt Ion: 43 Resp: 18960
Ion Ratio Lower Upper
43 100
58 28.2 25.2 37.8

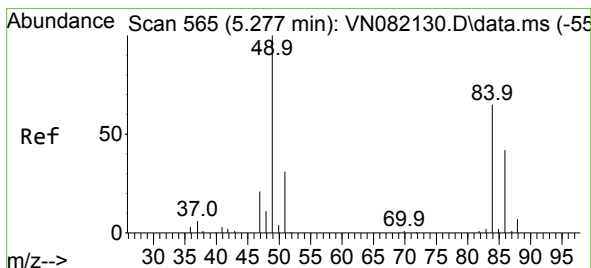
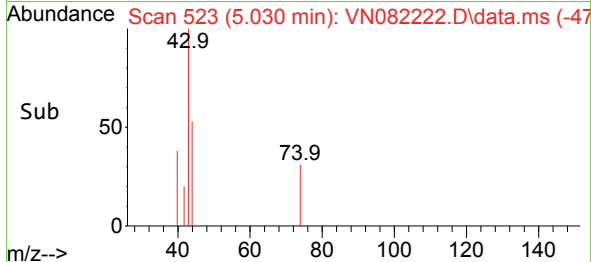
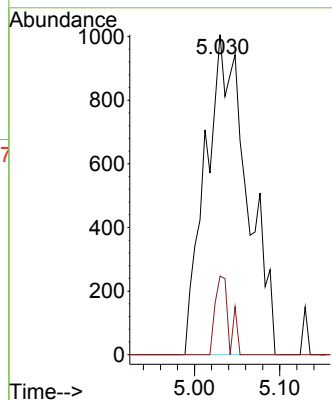
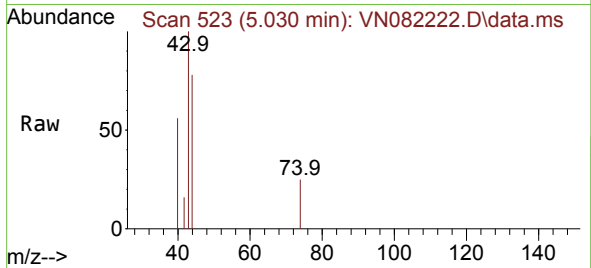




#18
Methyl Acetate
Concen: 1.326 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

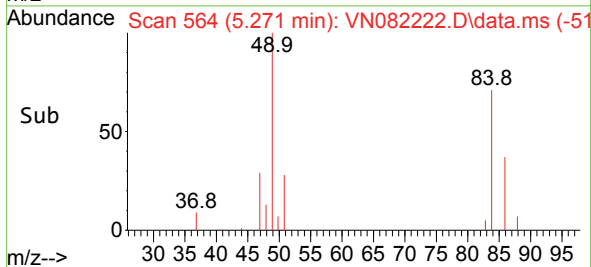
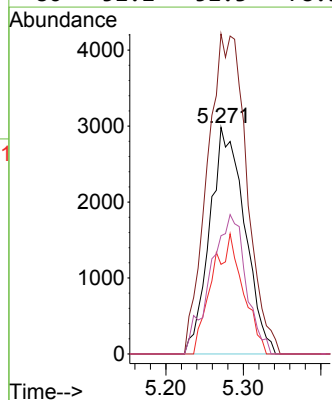
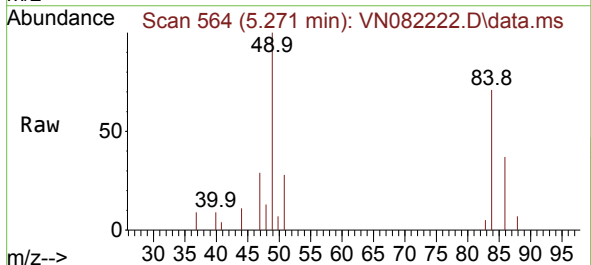
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

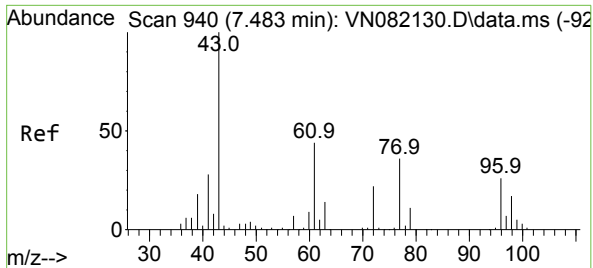
Tgt Ion: 43 Resp: 3403
Ion Ratio Lower Upper
43 100
74 8.3 22.2 33.2#



#20
Methylene Chloride
Concen: 4.491 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 84 Resp: 9339
Ion Ratio Lower Upper
84 100
49 141.3 84.9 127.3#
51 39.6 27.0 40.6
86 52.2 52.3 78.5#

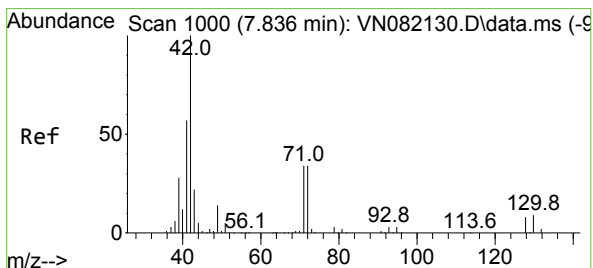
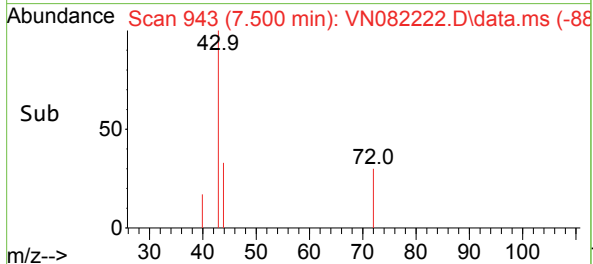
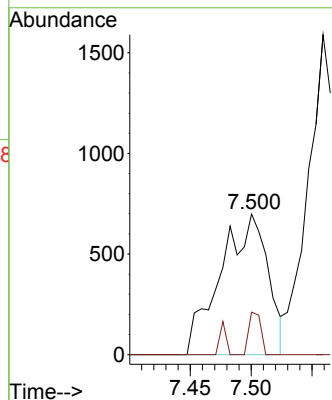
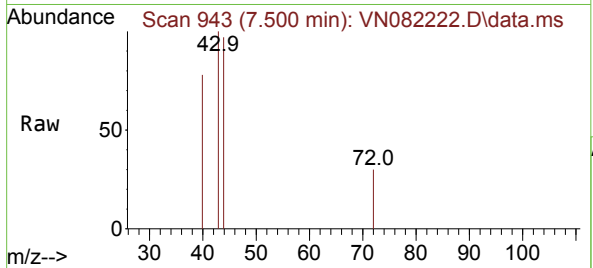




#25
2-Butanone
Concen: 1.211 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

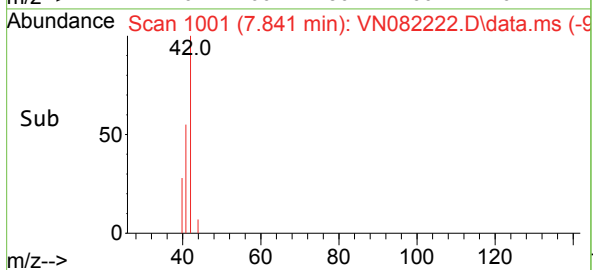
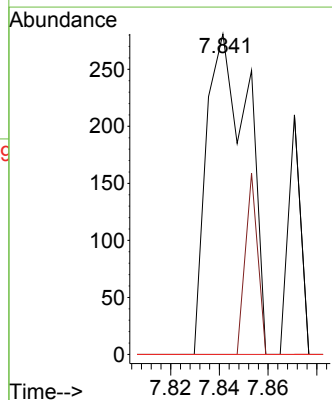
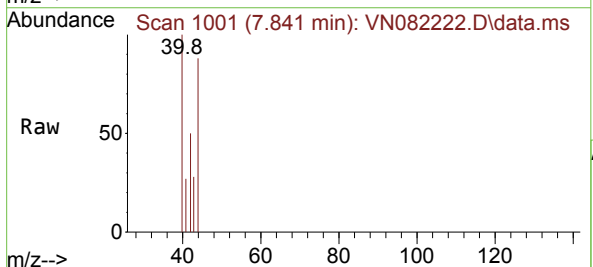
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

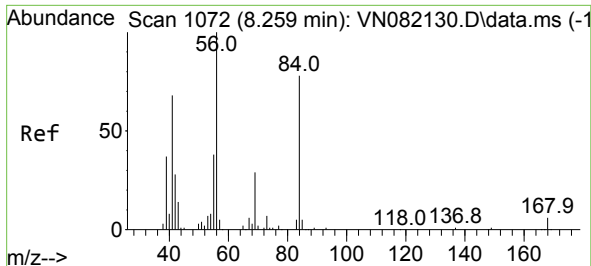
Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
72 30.2 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.331 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 42 Resp: 332
Ion Ratio Lower Upper
42 100
72 16.9 39.3 58.9#
71 0.0 37.4 56.0#

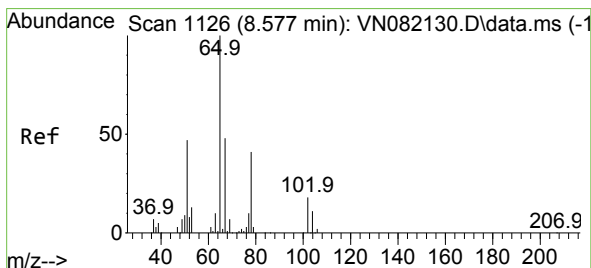
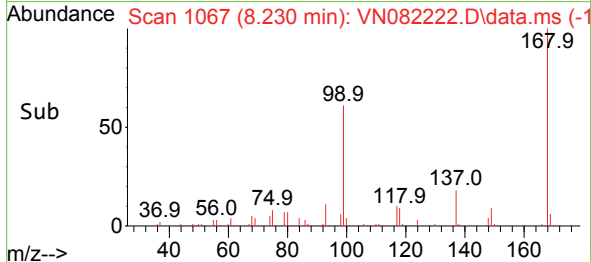
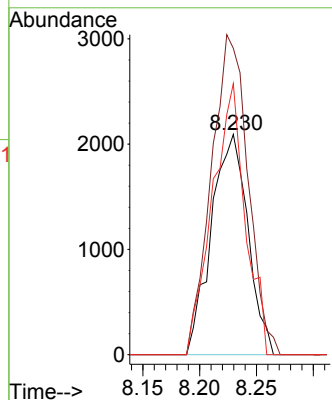
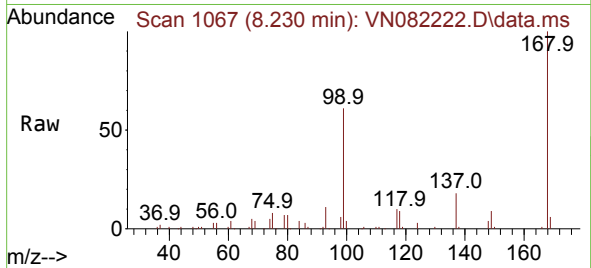




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

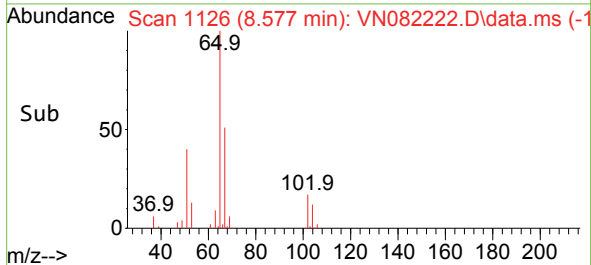
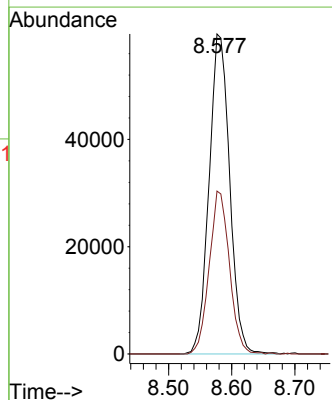
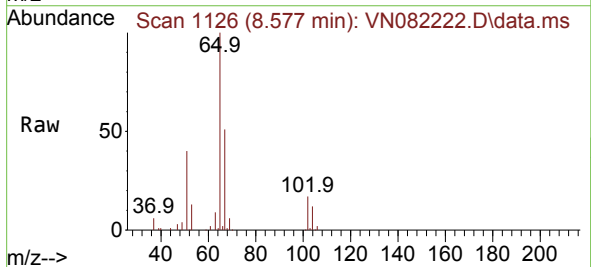
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

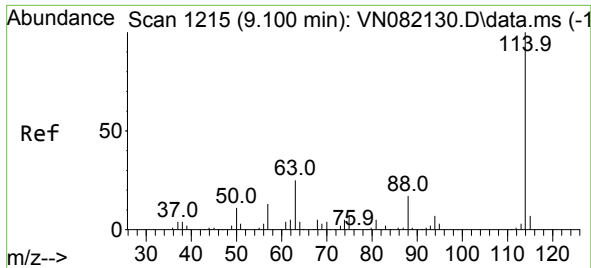
Tgt Ion: 56 Resp: 4686
Ion Ratio Lower Upper
56 100
69 139.1 24.4 36.6#
84 123.0 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 65 Resp: 135128
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.0

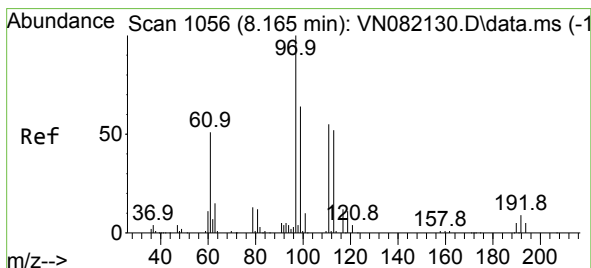
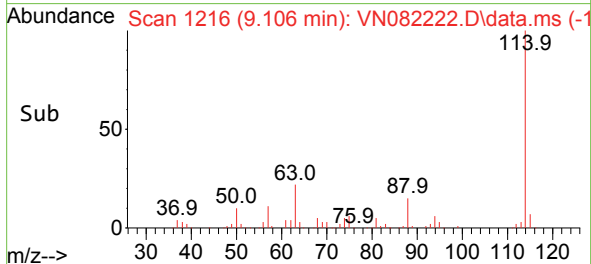
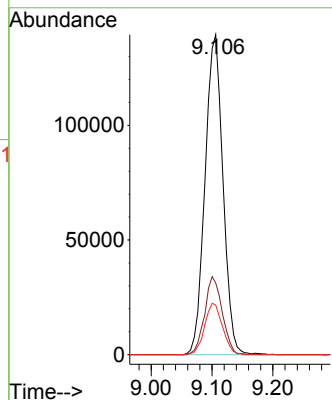
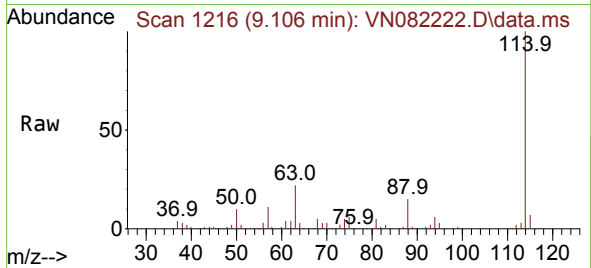




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

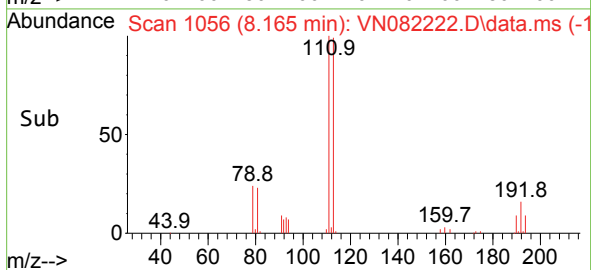
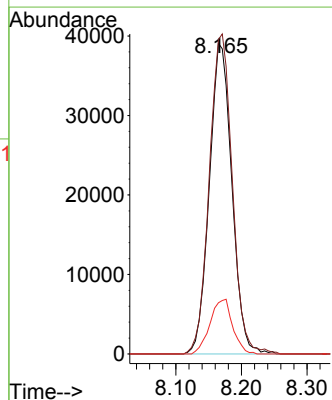
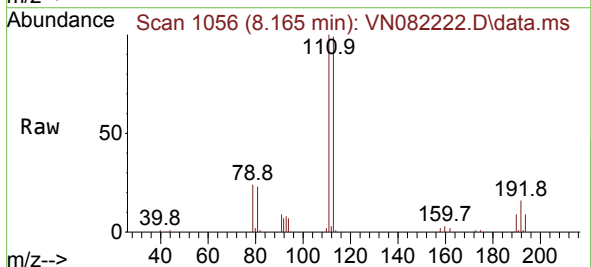
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

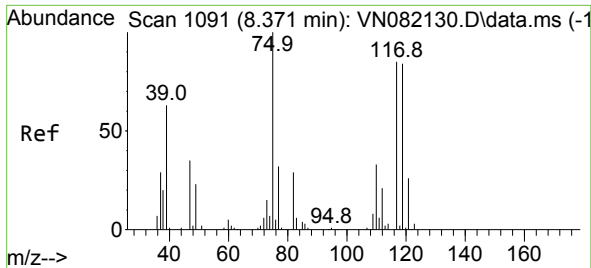
Tgt Ion:114 Resp: 285106
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.0
88 15.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.147 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

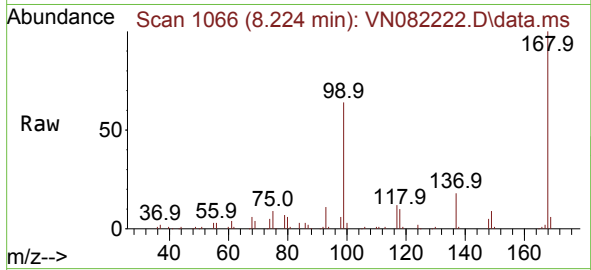
Tgt Ion:113 Resp: 93211
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.2
192 17.6 14.0 21.0



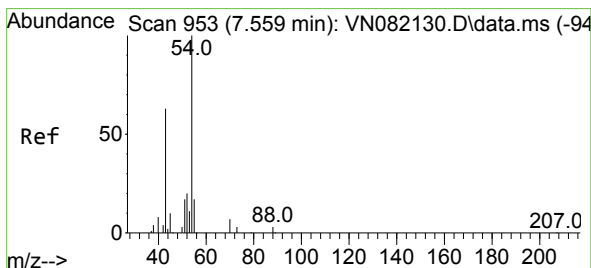
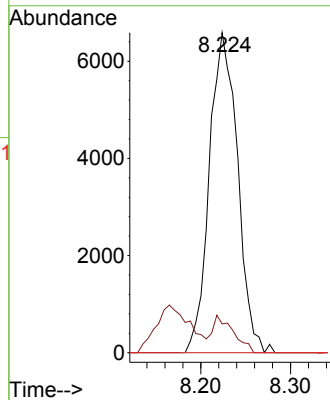
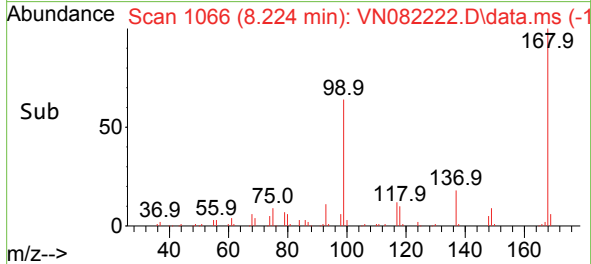


#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

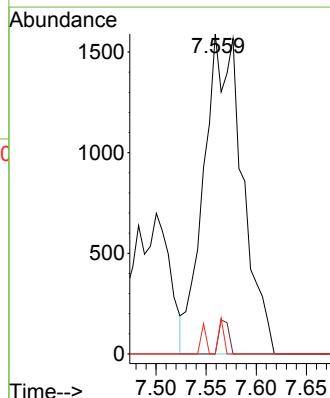
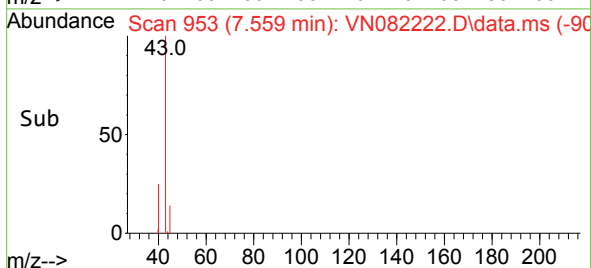
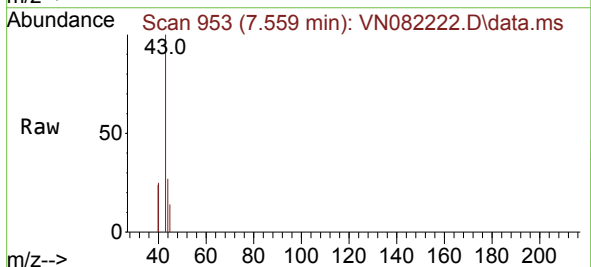


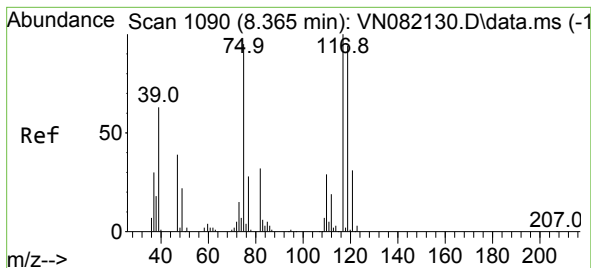
Tgt Ion: 75 Resp: 14388
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.287 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 43 Resp: 4235
Ion Ratio Lower Upper
43 100
61 2.7 11.3 16.9#
70 1.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.737 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN082222.D

Acq: 20 May 2024 20:12

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPJ

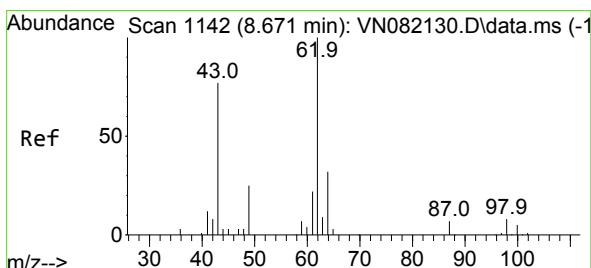
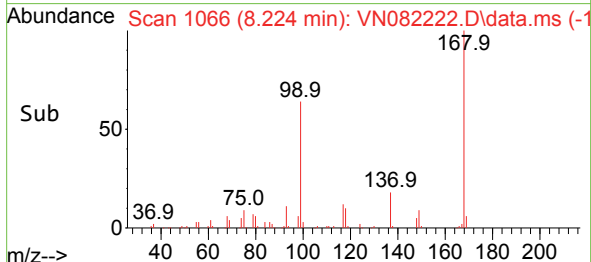
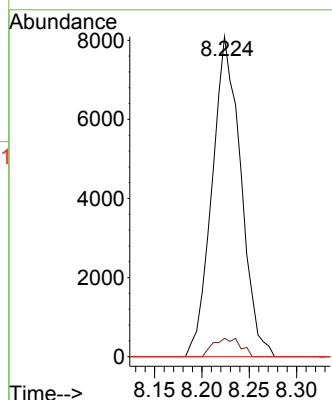
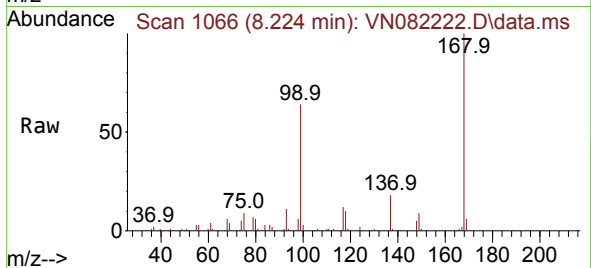
Tgt Ion:117 Resp: 17106

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082222.D

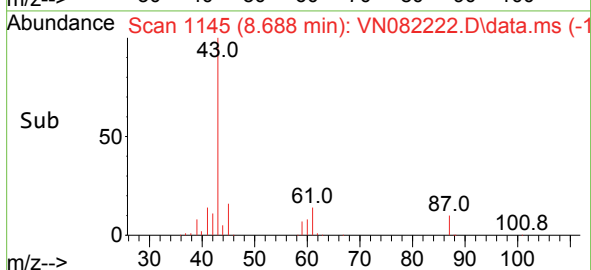
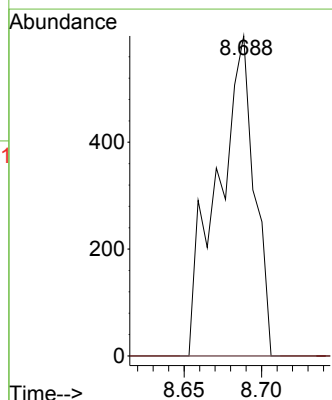
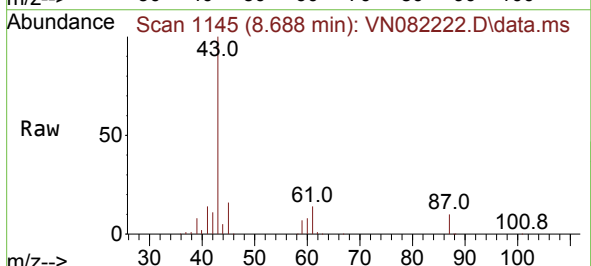
Acq: 20 May 2024 20:12

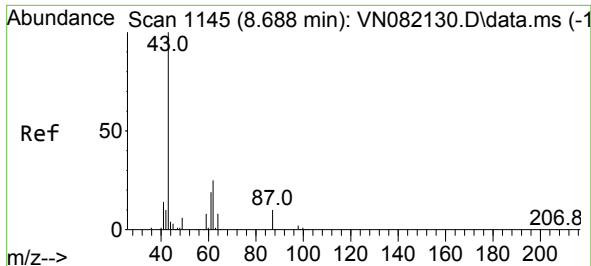
Tgt Ion: 62 Resp: 991

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

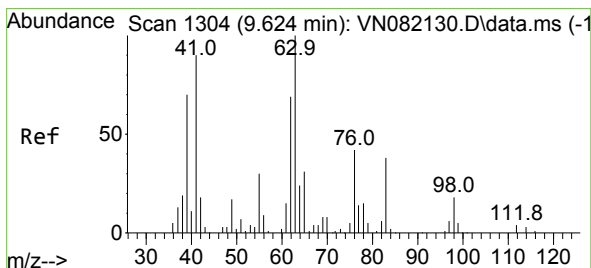
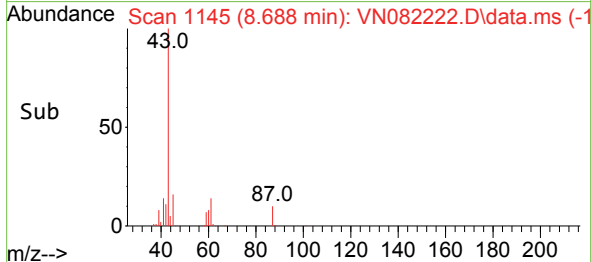
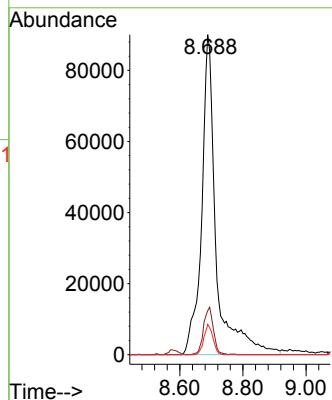
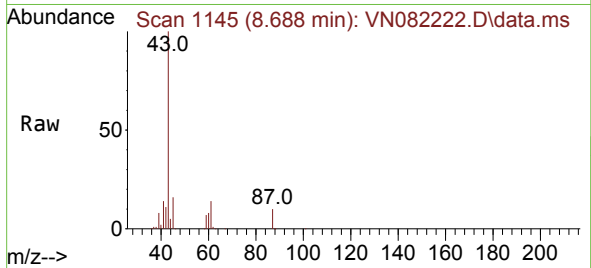




#43
Isopropyl Acetate
Concen: 49.198 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

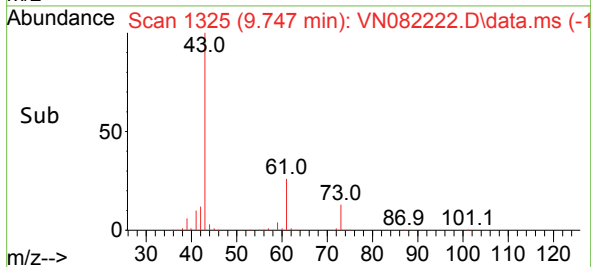
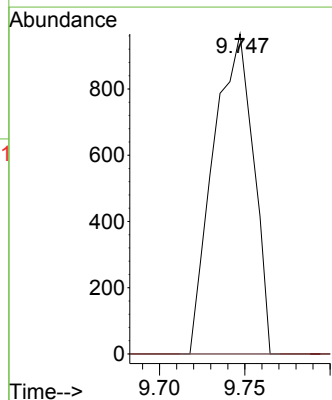
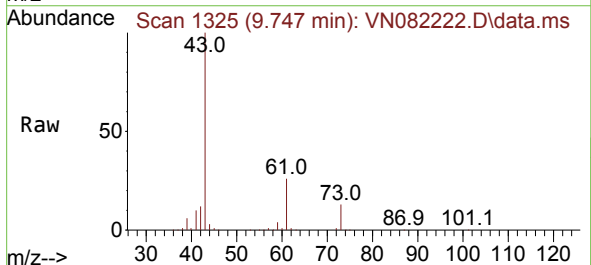
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

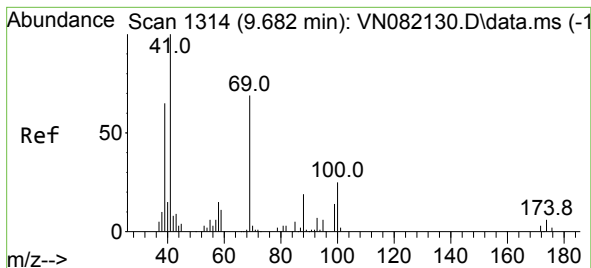
Tgt Ion: 43 Resp: 286972
Ion Ratio Lower Upper
43 100
61 10.0 22.8 34.2#
87 5.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.699 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 63 Resp: 1582
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 52.572 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN082222.D

Acq: 20 May 2024 20:12

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPJ

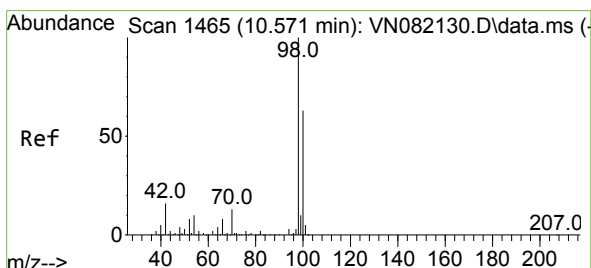
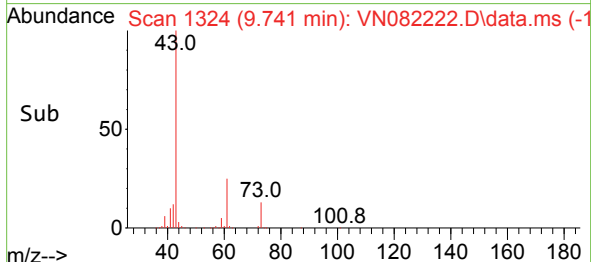
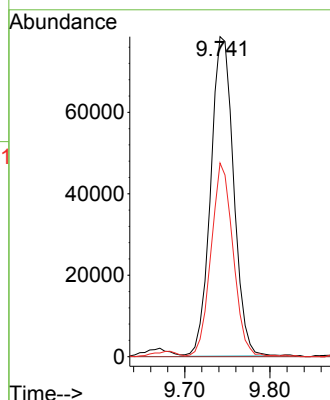
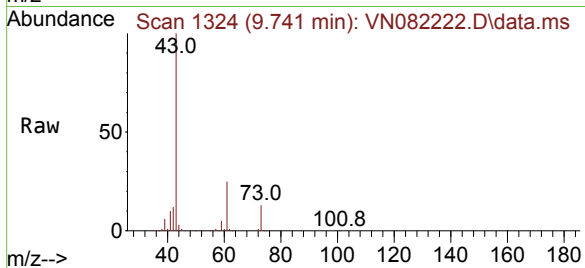
Tgt Ion: 41 Resp: 146117

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.1 50.9 76.3



#50

Toluene-d8

Concen: 55.865 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082222.D

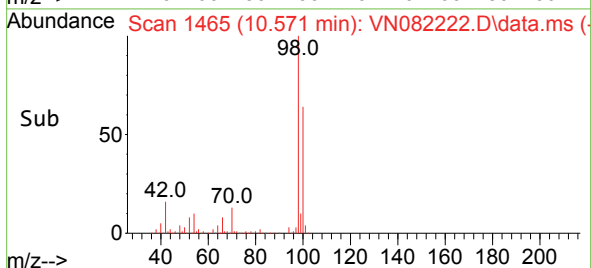
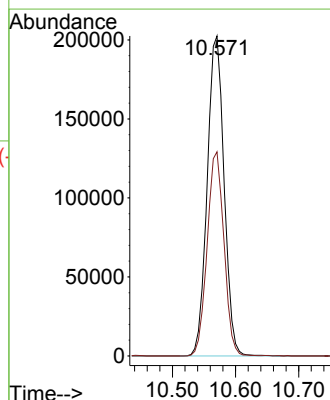
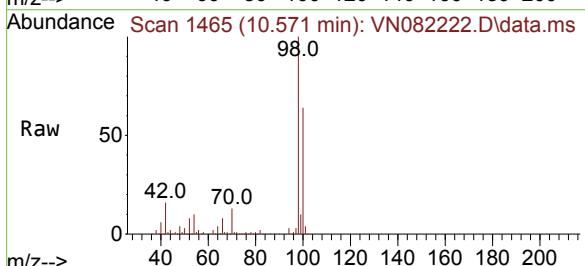
Acq: 20 May 2024 20:12

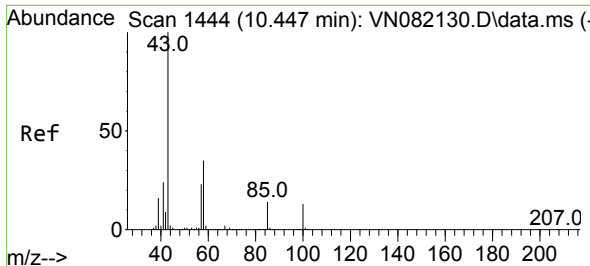
Tgt Ion: 98 Resp: 375638

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.6

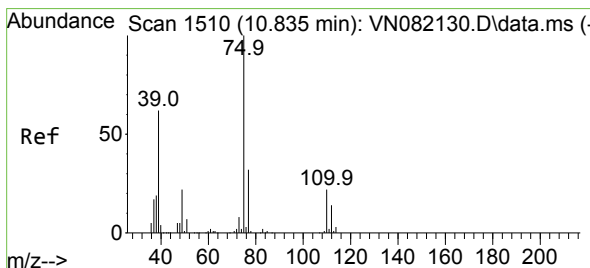
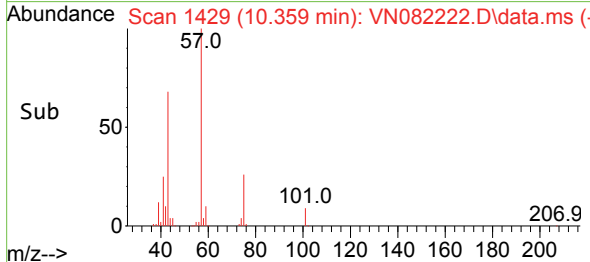
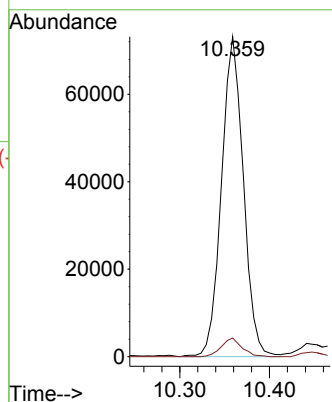
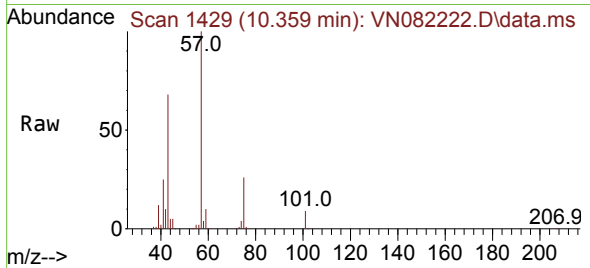




#51
4-Methyl-2-Pentanone
Concen: 37.376 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

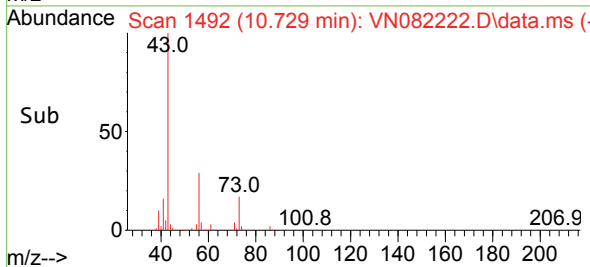
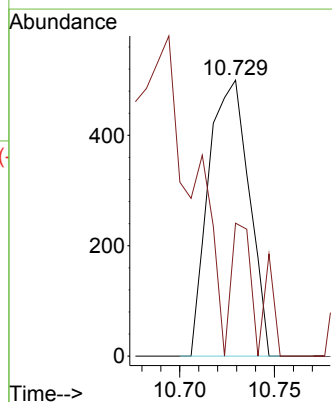
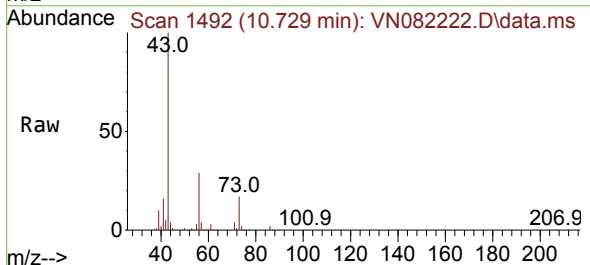
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

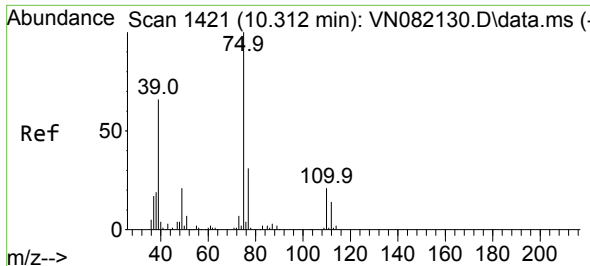
Tgt Ion: 43 Resp: 123867
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 75 Resp: 742
Ion Ratio Lower Upper
75 100
77 48.2 25.4 38.0#

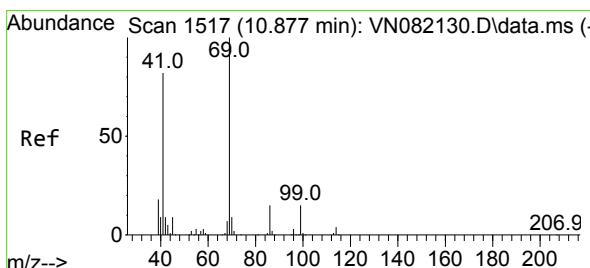
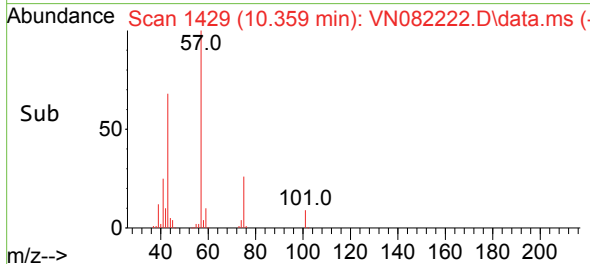
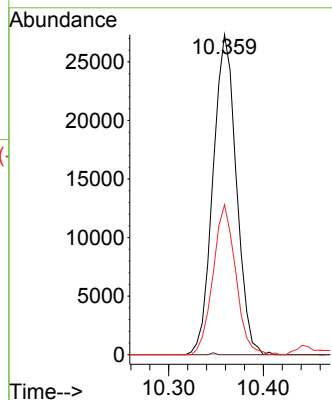
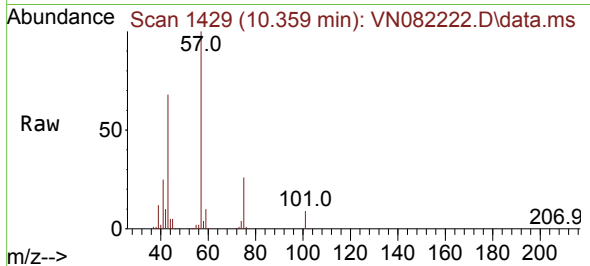




#54
cis-1,3-Dichloropropene
Concen: 13.623 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

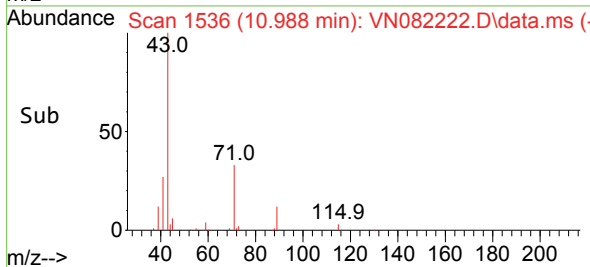
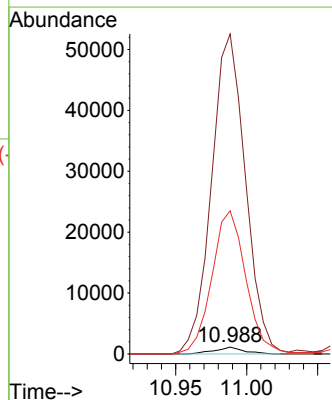
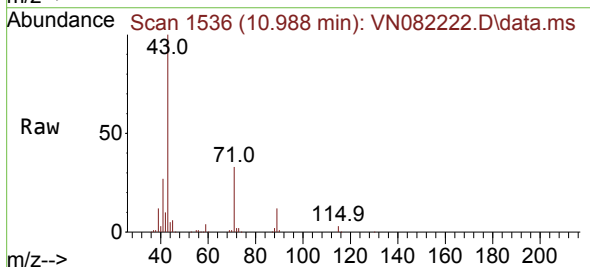
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

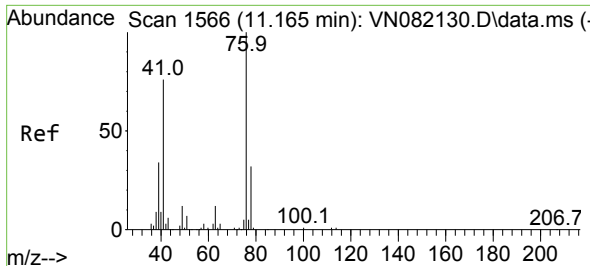
Tgt Ion: 75 Resp: 46780
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 46.8 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.490 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

Tgt Ion: 69 Resp: 1590
Ion Ratio Lower Upper
69 100
41 5481.0 46.6 70.0#
39 2460.4 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.757 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082222.D

Acq: 20 May 2024 20:12

Instrument :

MSVOA_N

ClientSampleId :

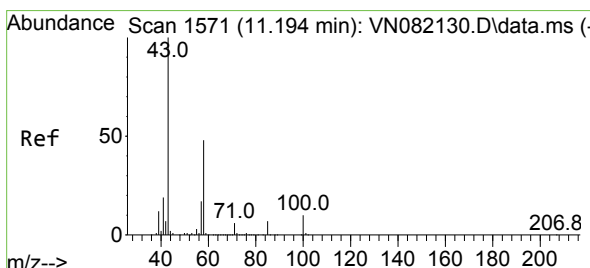
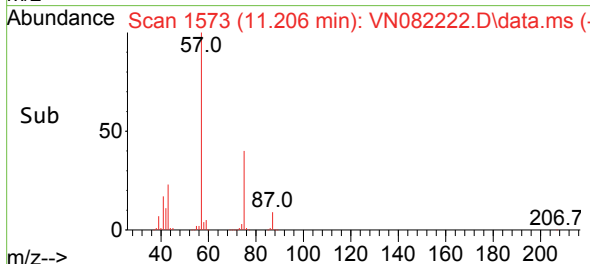
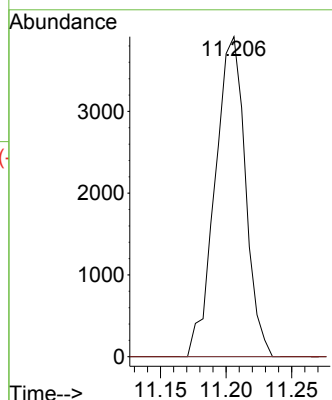
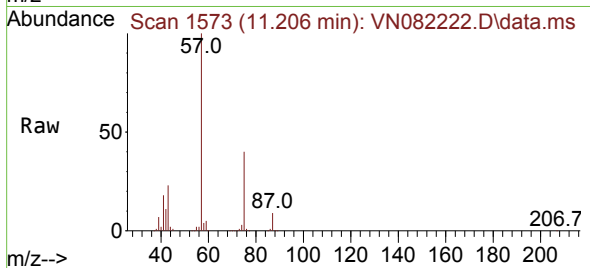
WCS-TPJ

Tgt Ion: 76 Resp: 6285

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.221 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082222.D

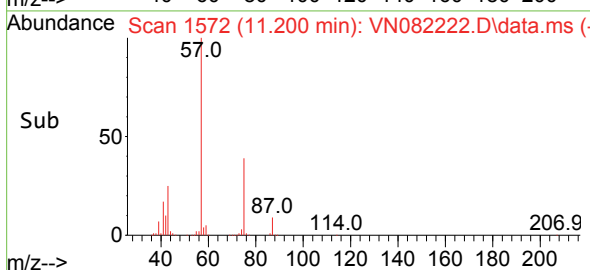
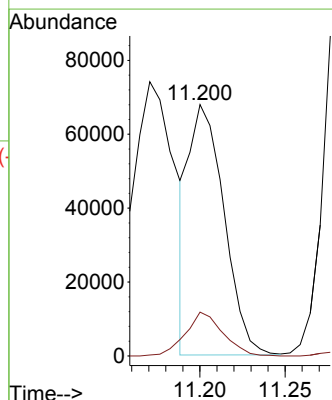
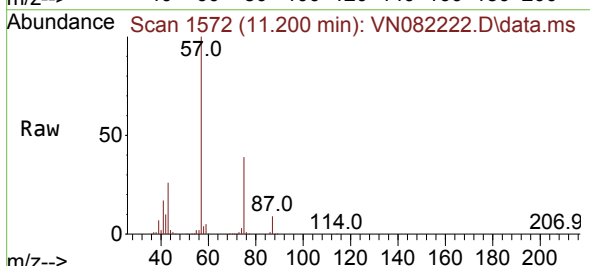
Acq: 20 May 2024 20:12

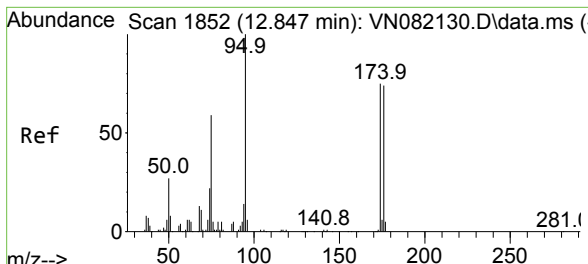
Tgt Ion: 43 Resp: 97601

Ion Ratio Lower Upper

43 100

58 18.6 28.3 84.9#

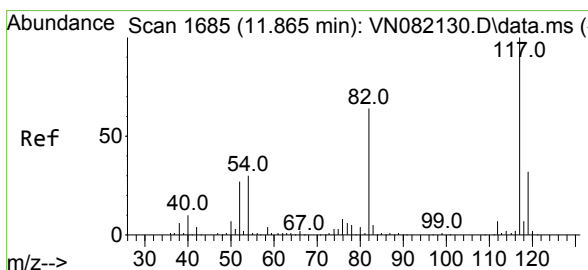
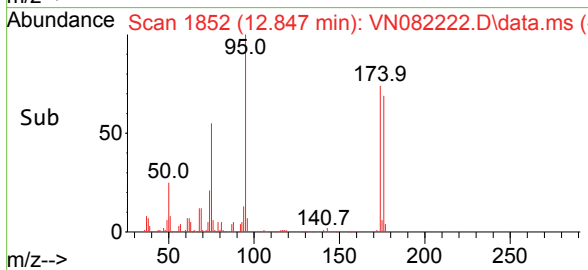
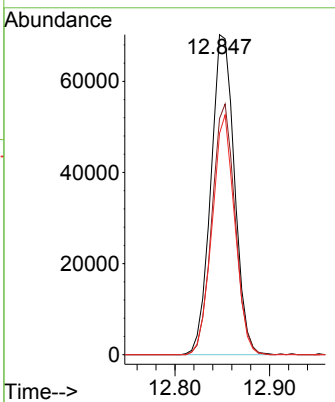
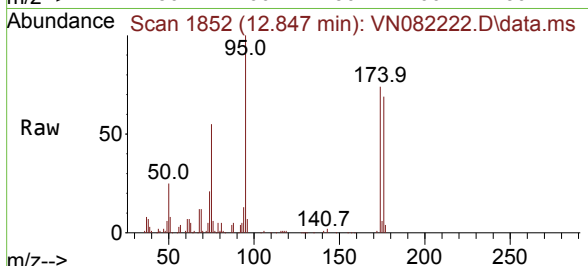




#62
 4-Bromofluorobenzene
 Concen: 50.681 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN082222.D
 Acq: 20 May 2024 20:12

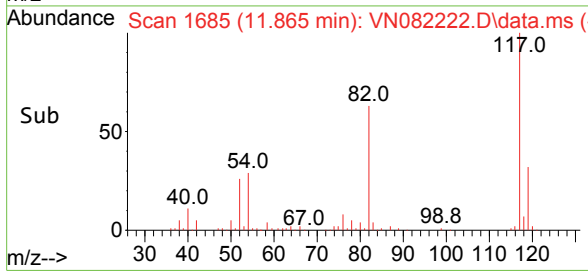
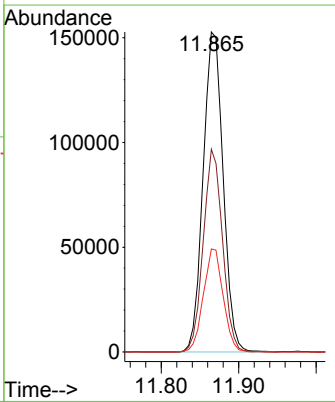
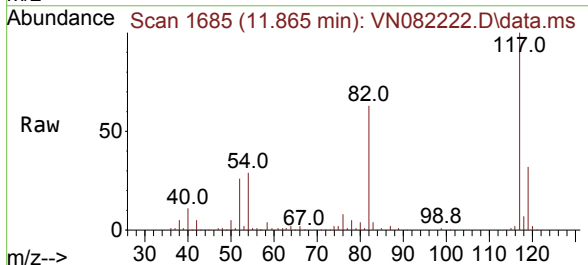
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPJ

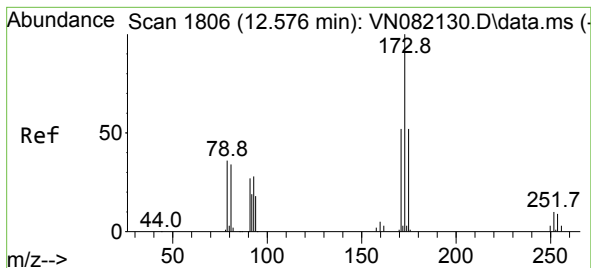
Tgt Ion:	95	Resp:	121634
Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	160.6
176	72.0	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN082222.D
 Acq: 20 May 2024 20:12

Tgt Ion:	117	Resp:	274315
Ion	Ratio	Lower	Upper
117	100		
82	63.4	44.6	66.8
119	32.2	25.9	38.9





#71

Bromoform

Concen: 0.896 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN082222.D

Acq: 20 May 2024 20:12

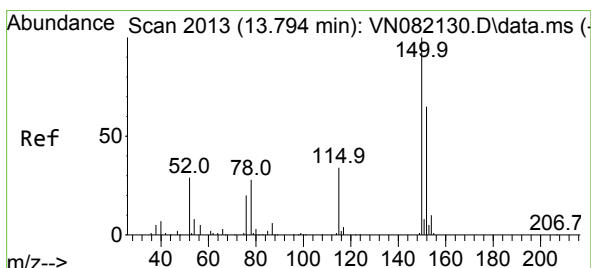
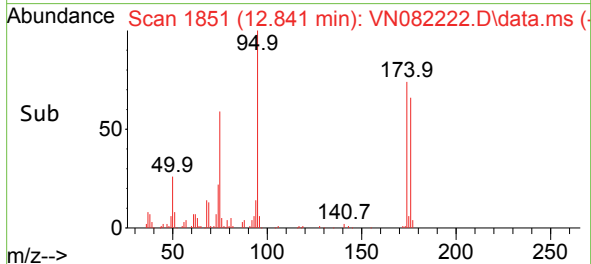
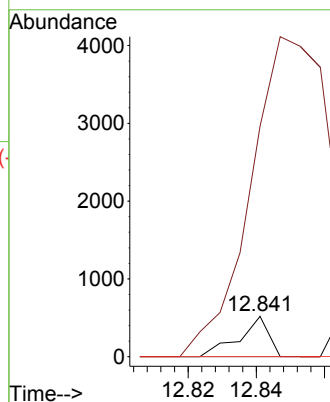
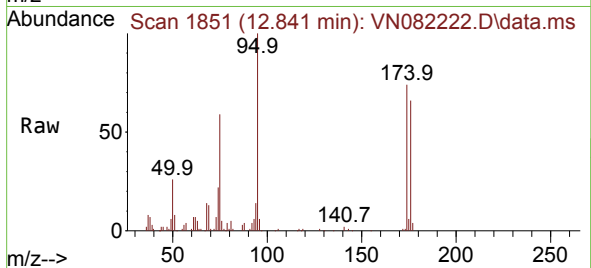
Instrument :

MSVOA_N

ClientSampleId :

WCS-TPJ

Tgt Ion:173	Resp:	314
Ion Ratio	Lower	Upper
173	100	
175	1493.6	24.6 74.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

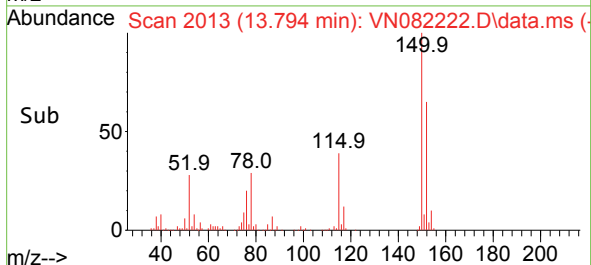
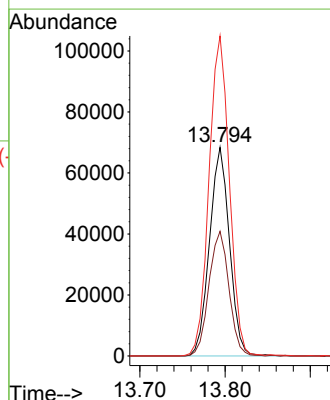
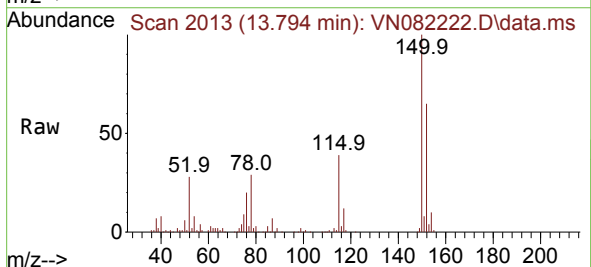
RT: 13.794 min Scan# 2013

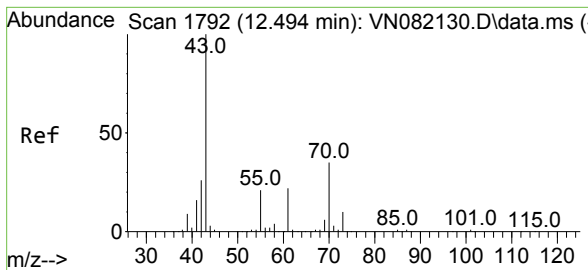
Delta R.T. 0.000 min

Lab File: VN082222.D

Acq: 20 May 2024 20:12

Tgt Ion:152	Resp:	111414
Ion Ratio	Lower	Upper
152	100	
115	59.8	30.4 91.3
150	155.7	0.0 353.2

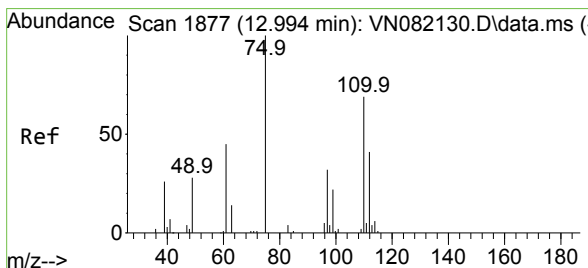
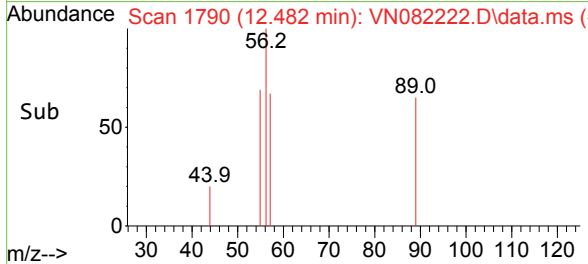
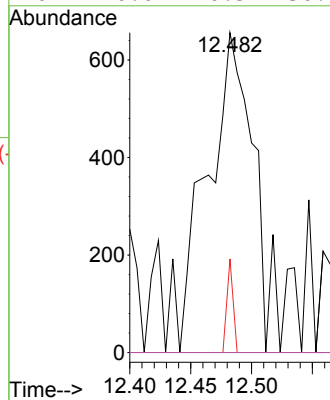
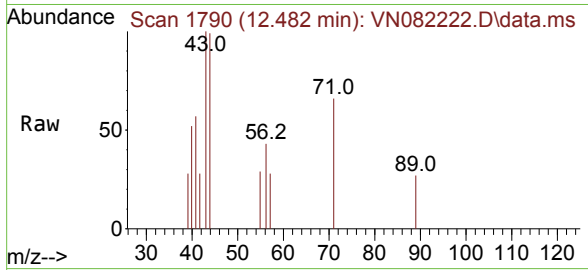




#74
N-amy1 acetate
Concen: 0.355 ug/l
RT: 12.482 min Scan# 1729
Delta R.T. -0.012 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

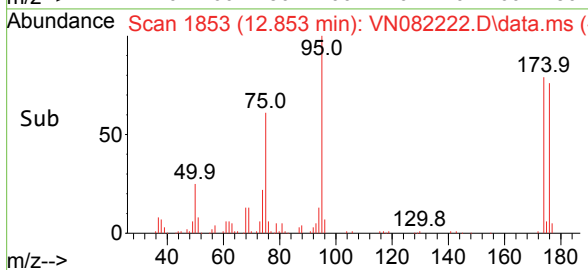
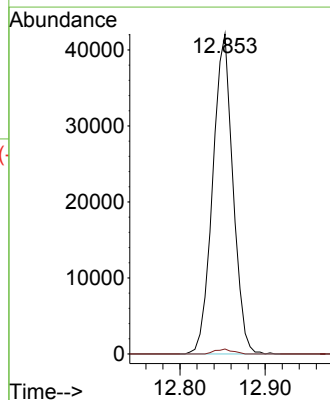
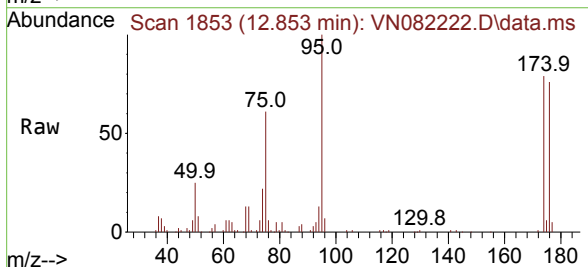
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

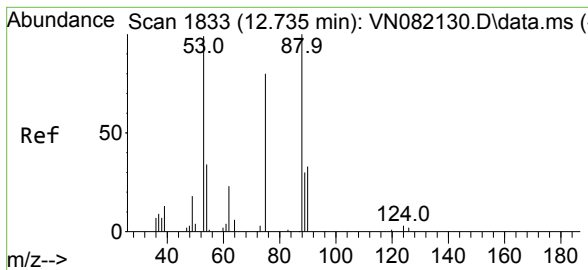
Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 3.9 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 29.562 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082222.D
Acq: 20 May 2024 20:12

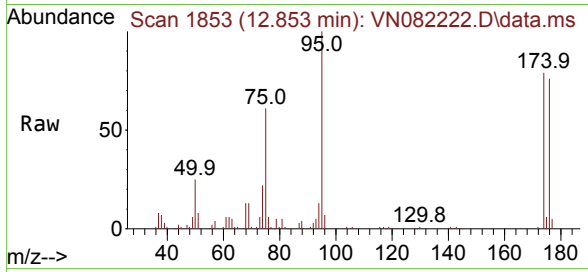
Tgt Ion: 75 Resp: 69323
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.144 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082222.D
 Acq: 20 May 2024 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPJ



Tgt Ion: 75 Resp: 69323
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

