

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082194.D
 Acq On : 17 May 2024 21:22
 Operator : JC\MD
 Sample : P2486-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPK

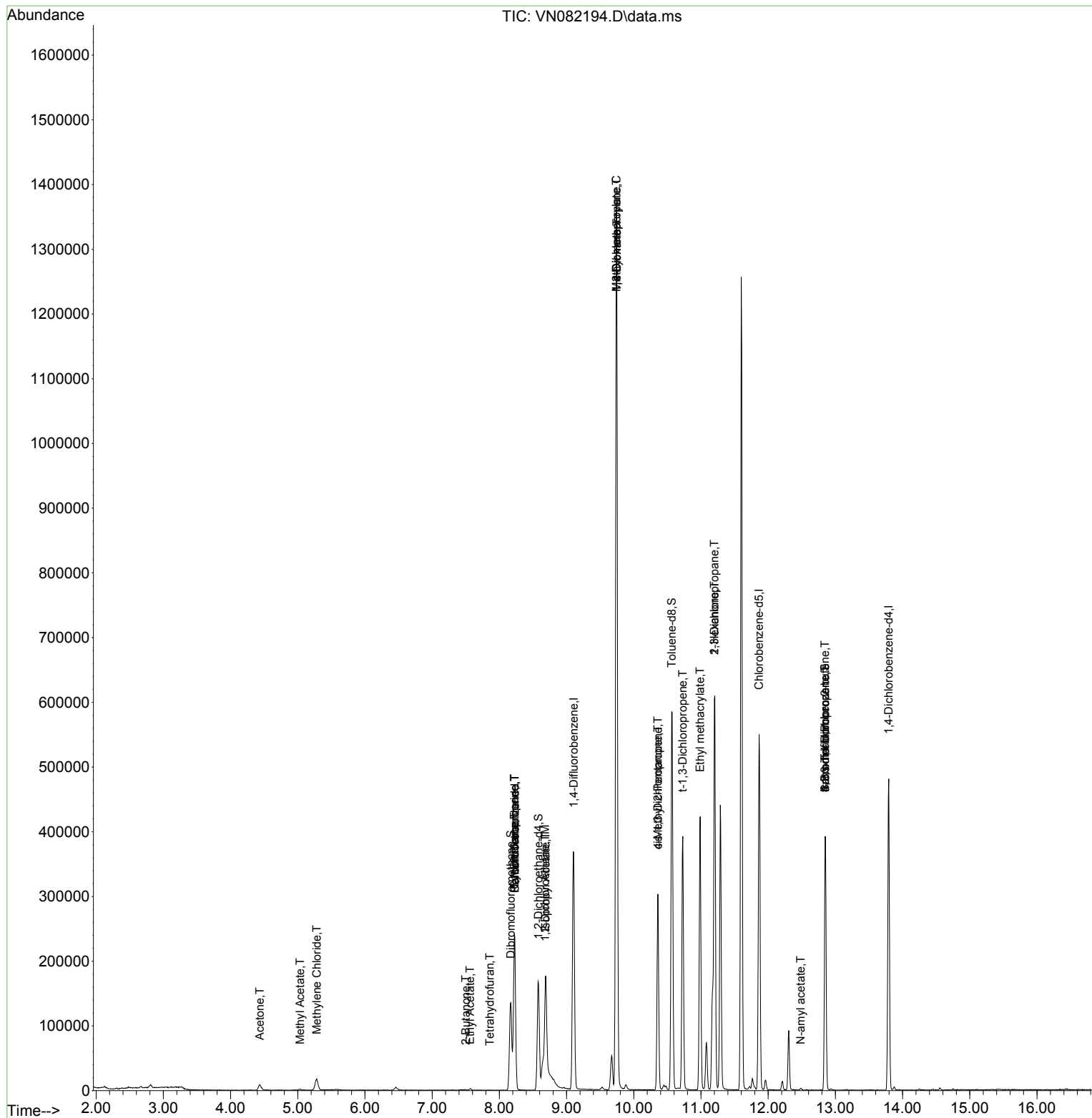
Quant Time: May 17 23:18:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	163386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	297818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137659	53.358	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.720%	
35) Dibromofluoromethane	8.171	113	96803	52.839	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.680%	
50) Toluene-d8	10.565	98	379930	54.091	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.180%	
62) 4-Bromofluorobenzene	12.847	95	126585	50.493	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.980%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	16140	15.251	ug/l	92
18) Methyl Acetate	5.036	43	3442	1.306	ug/l #	68
20) Methylene Chloride	5.283	84	11735	5.496	ug/l #	76
25) 2-Butanone	7.500	43	1550	0.966	ug/l #	43
29) Tetrahydrofuran	7.859	42	277	0.269	ug/l #	29
31) Cyclohexane	8.224	56	4907	1.191	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	15270	4.970	ug/l #	49
37) Ethyl Acetate	7.565	43	3786	1.101	ug/l #	88
38) Carbon Tetrachloride	8.230	117	18512	5.943	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1087	0.308	ug/l #	73
43) Isopropyl Acetate	8.688	43	291619	47.861	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1416	0.599	ug/l #	45
48) Methyl methacrylate	9.741	41	138406	47.672	ug/l #	38
49) 1,4-Dioxane	9.747	88	82	2.016	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	119605	34.549	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	797	0.235	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	45260	12.618	ug/l #	73
56) Ethyl methacrylate	10.988	69	1370	0.404	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5628	1.506	ug/l #	42
59) 2-Hexanone	11.200	43	92099	36.334	ug/l #	48
71) Bromoform	12.847	173	786	1.175	ug/l #	28
74) N-amyl acetate	12.482	43	1404	0.272	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	74926	30.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74926	70.466	ug/l #	12

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

Quant Time: May 17 23:18:20 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

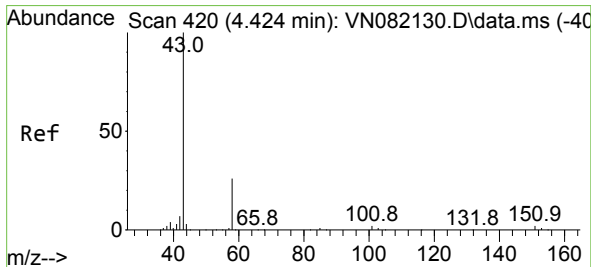
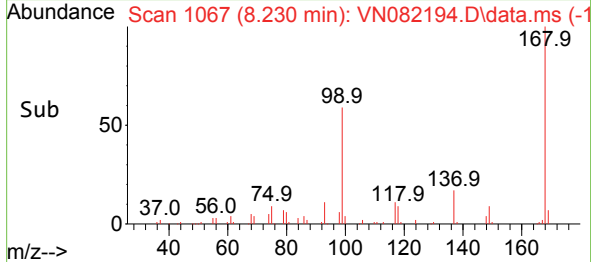
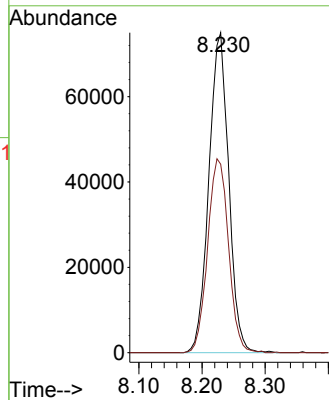
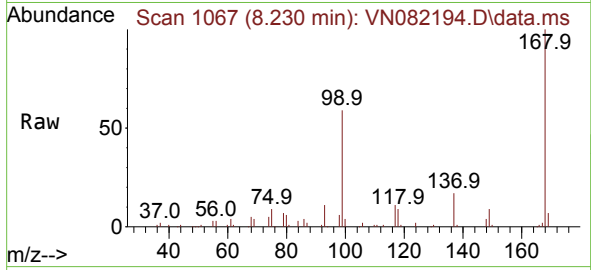




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

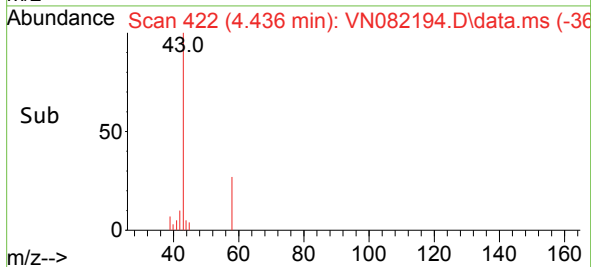
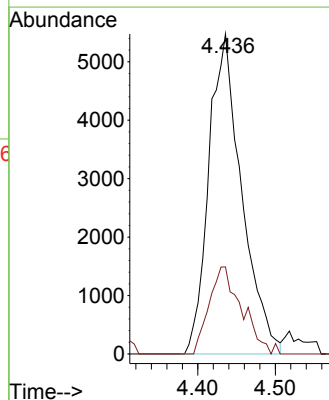
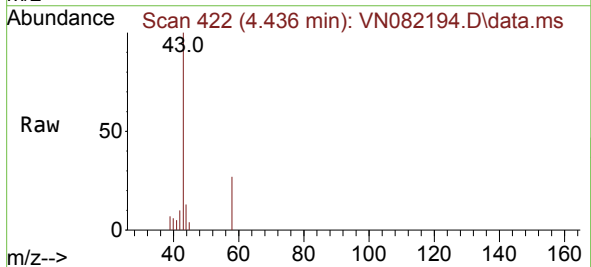
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

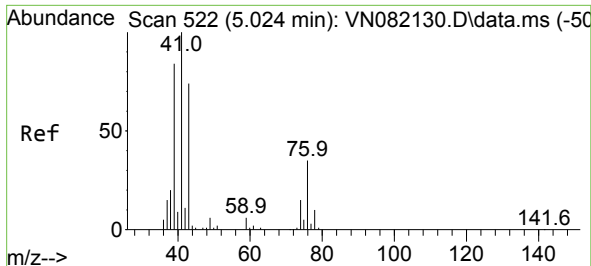
Tgt Ion:168 Resp: 163386
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4



#16
Acetone
Concen: 15.251 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 43 Resp: 16140
Ion Ratio Lower Upper
43 100
58 27.2 25.2 37.8

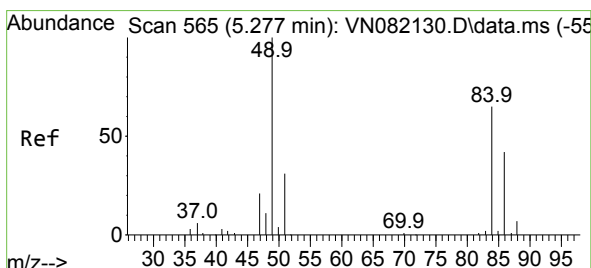
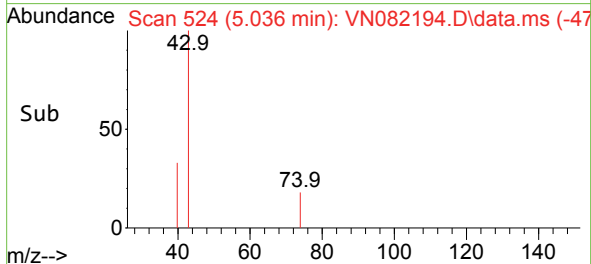
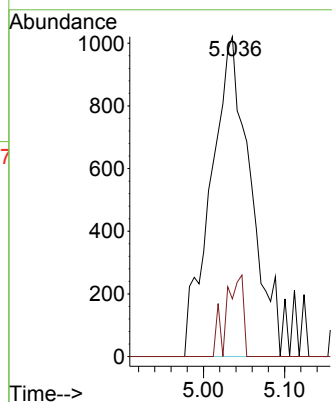
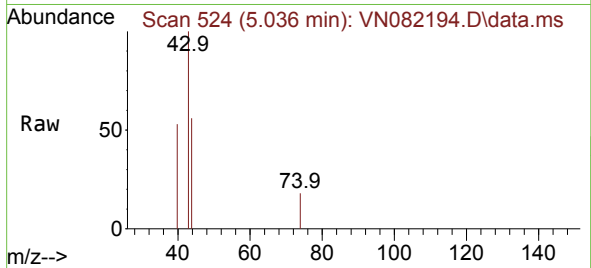




#18
Methyl Acetate
Concen: 1.306 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

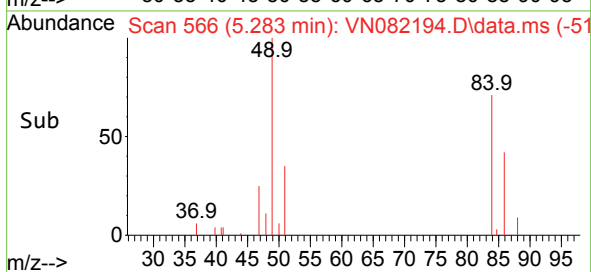
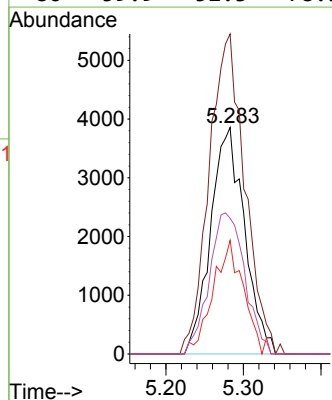
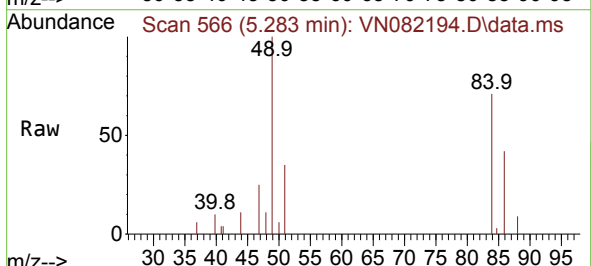
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

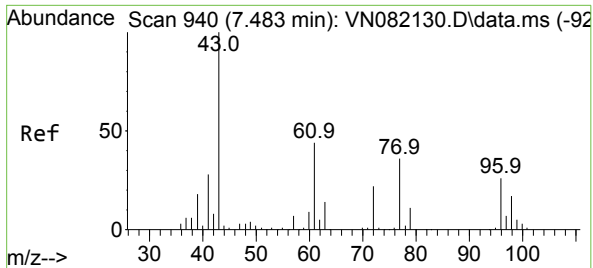
Tgt Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
74 11.0 22.2 33.2#



#20
Methylene Chloride
Concen: 5.496 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 84 Resp: 11735
Ion Ratio Lower Upper
84 100
49 141.3 84.9 127.3#
51 50.1 27.0 40.6#
86 59.9 52.3 78.5

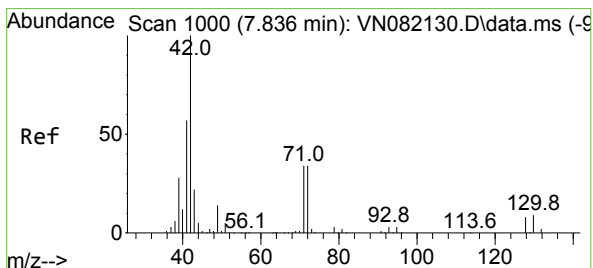
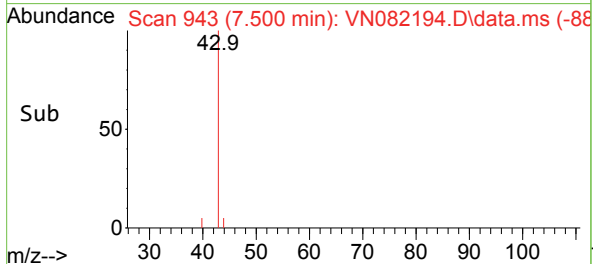
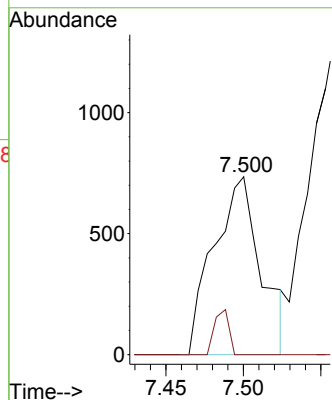
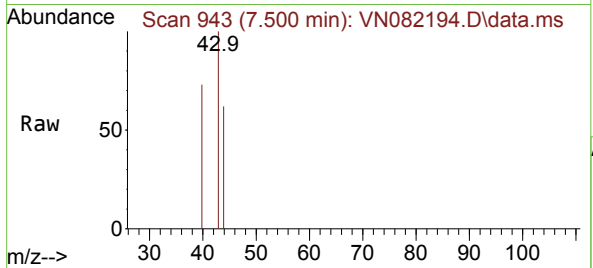




#25
2-Butanone
Concen: 0.966 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

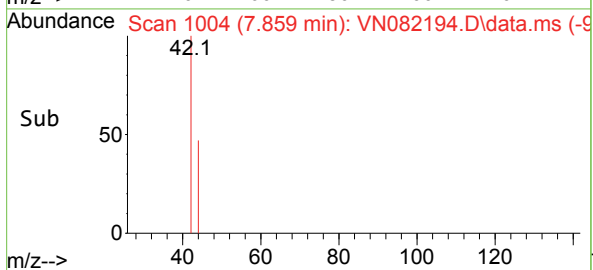
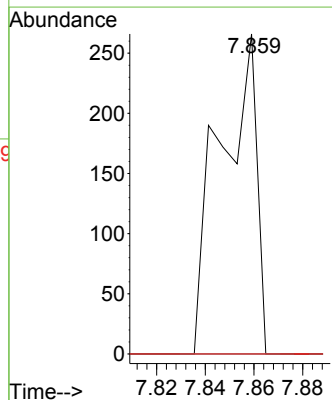
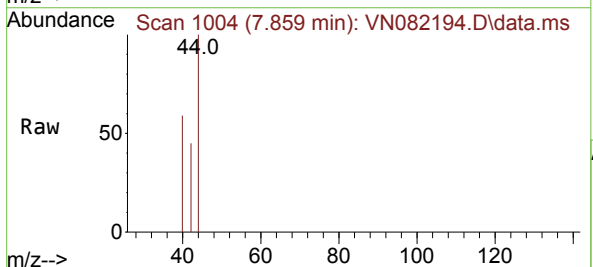
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

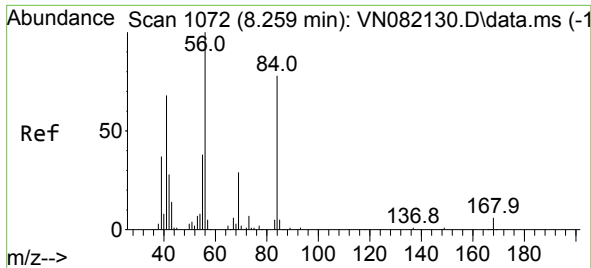
Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.269 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.023 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

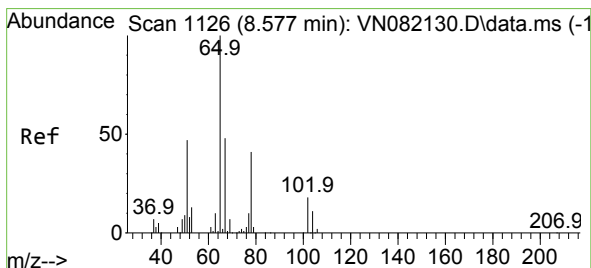
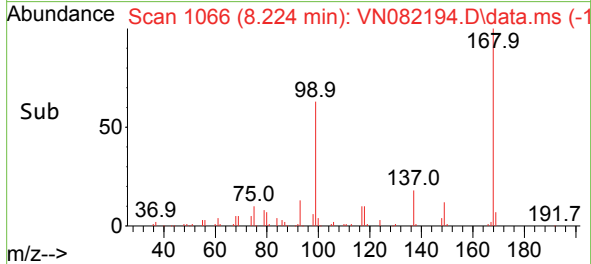
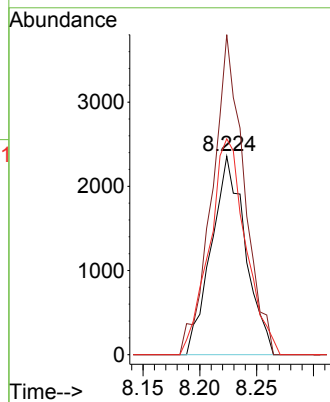
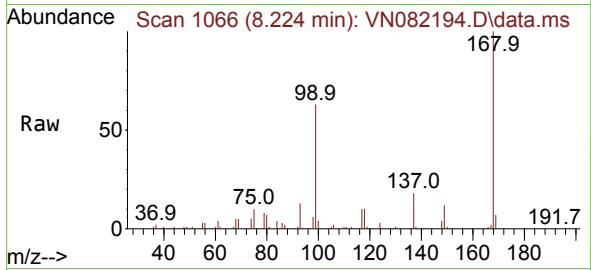




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

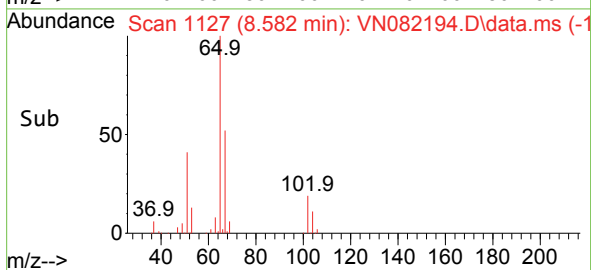
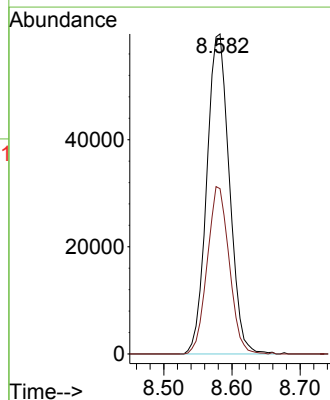
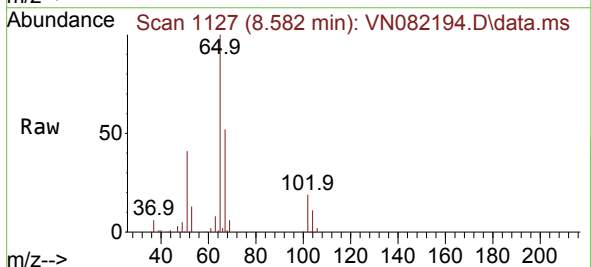
Instrument :
MSVOA_N
ClientSampleId :
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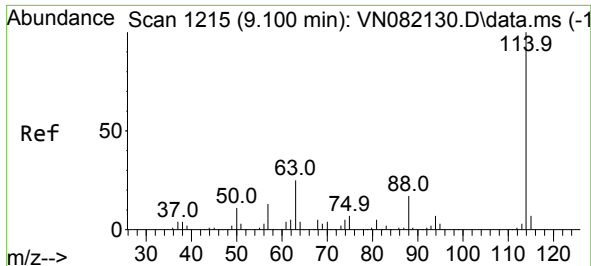
Tgt Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 161.3 24.4 36.6#
84 108.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.358 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 65 Resp: 137659
Ion Ratio Lower Upper
65 100
67 50.9 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: VN082194.D

Acq: 17 May 2024 21:22

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPK

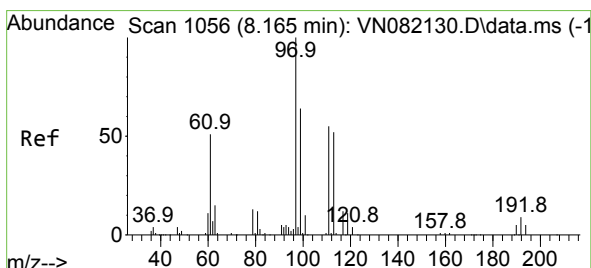
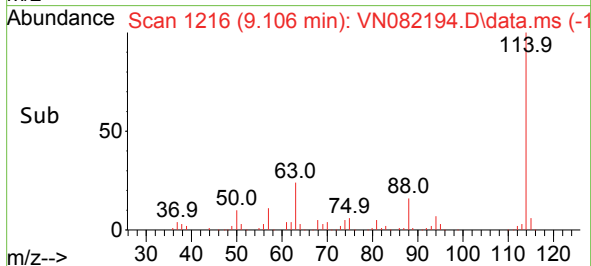
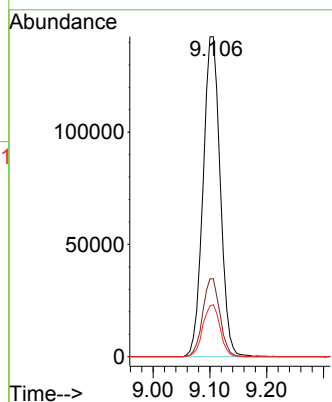
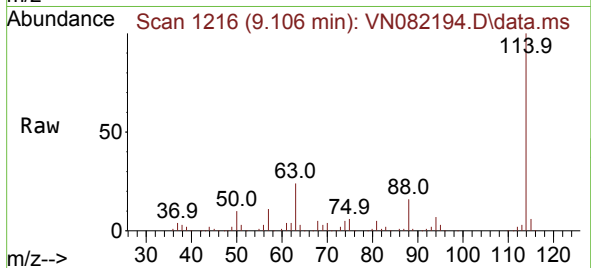
Tgt Ion:114 Resp: 297818

Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.839 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082194.D

Acq: 17 May 2024 21:22

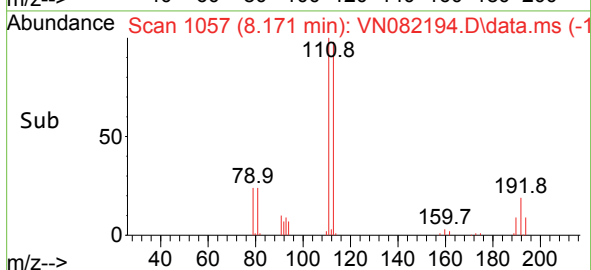
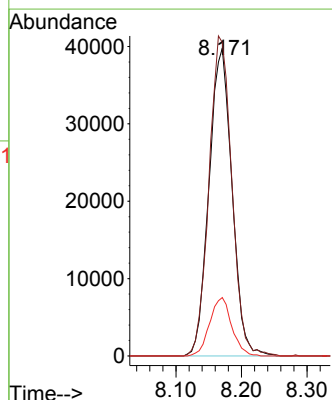
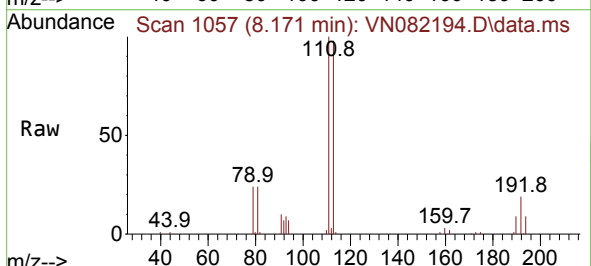
Tgt Ion:113 Resp: 96803

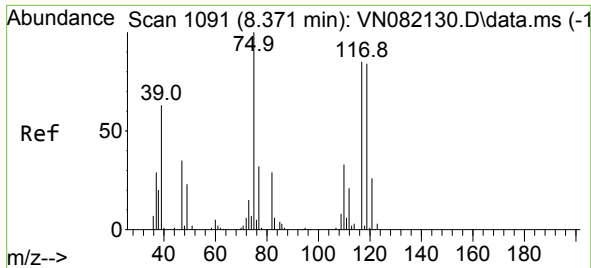
Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 18.2 14.0 21.0

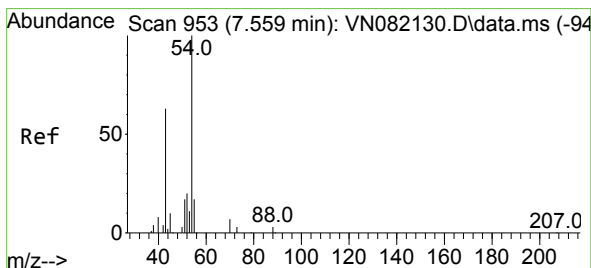
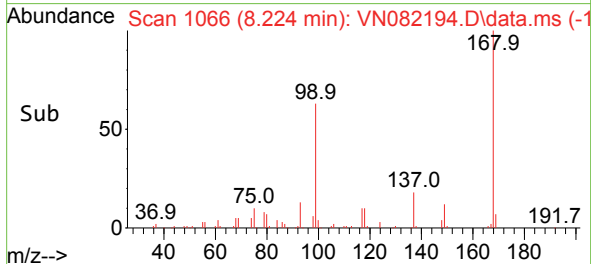
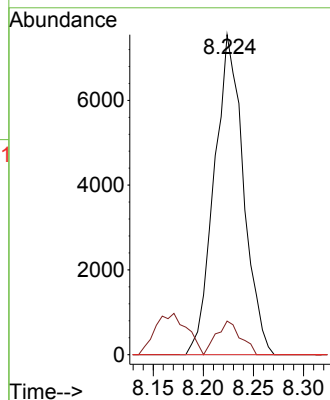
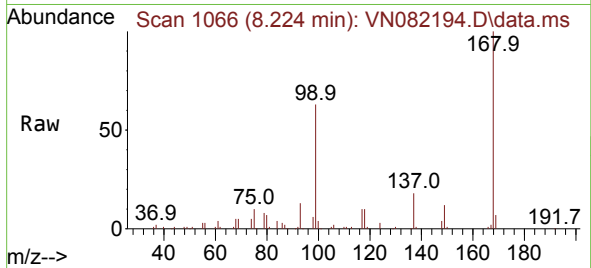




#36
1,1-Dichloropropene
Concen: 4.970 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

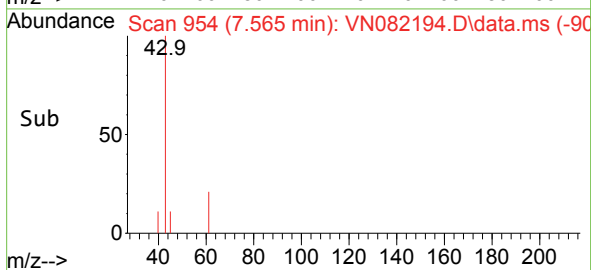
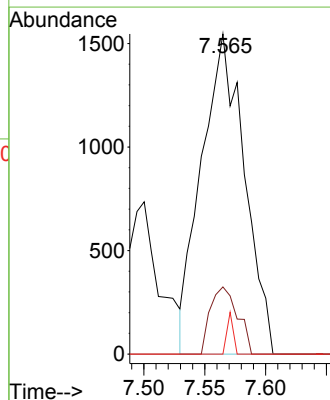
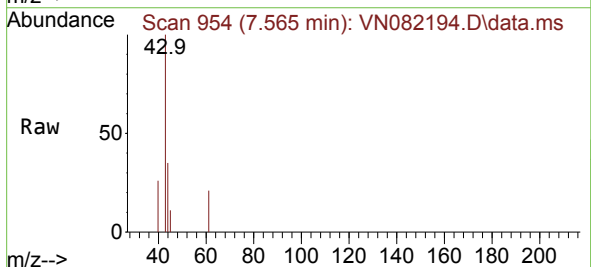
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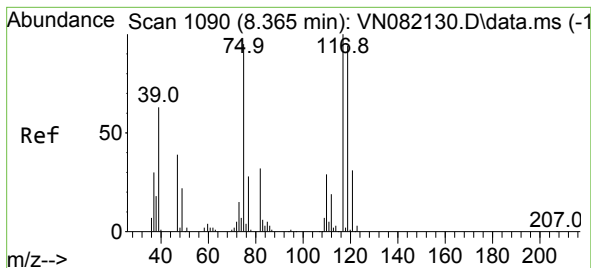
Tgt Ion: 75 Resp: 15270
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.101 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 1.9 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN082194.D

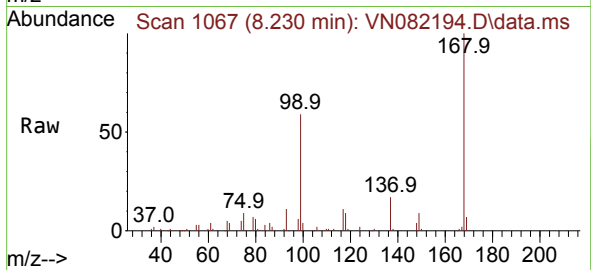
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Instrument :

MSVOA_N

ClientSampleId :

WCS-TPK



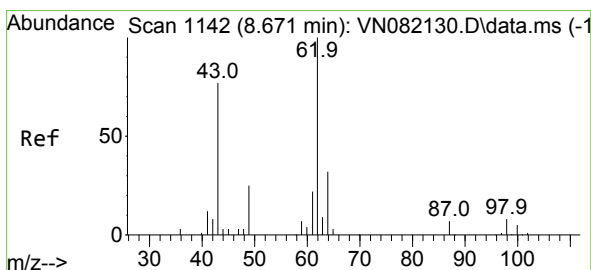
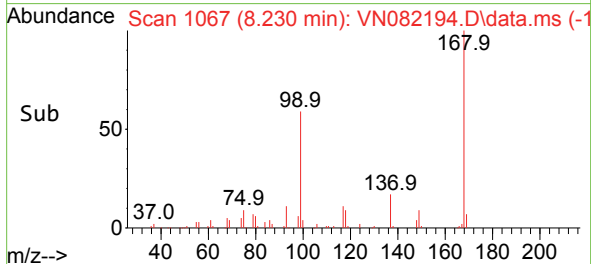
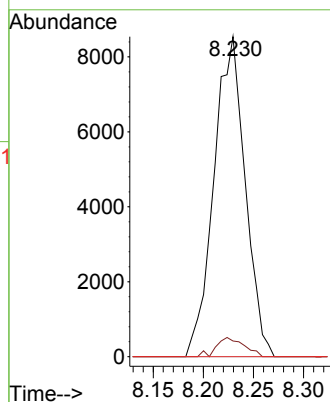
Tgt Ion:117 Resp: 18512

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.308 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082194.D

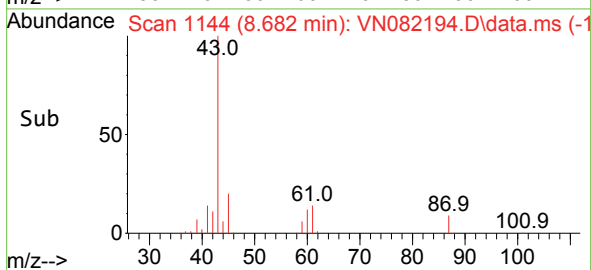
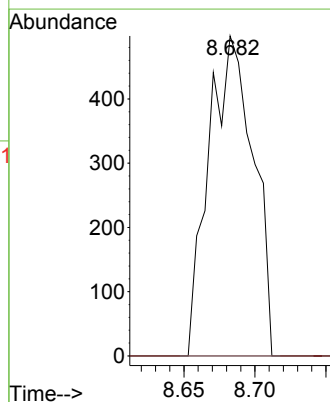
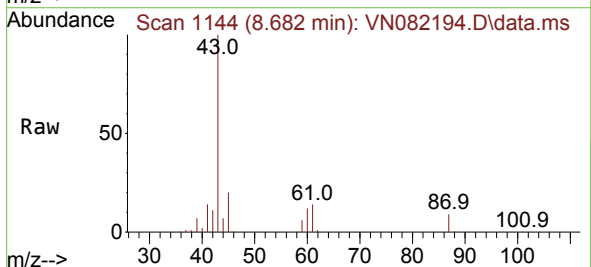
Acq: 17 May 2024 21:22

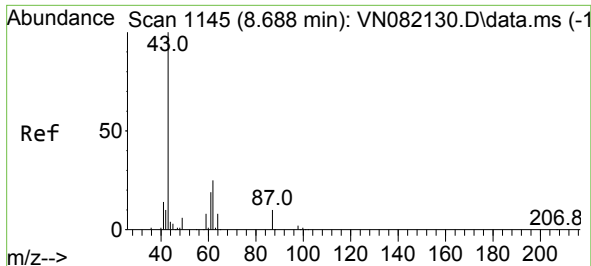
Tgt Ion: 62 Resp: 1087

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

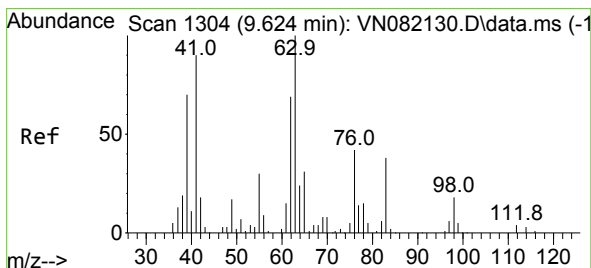
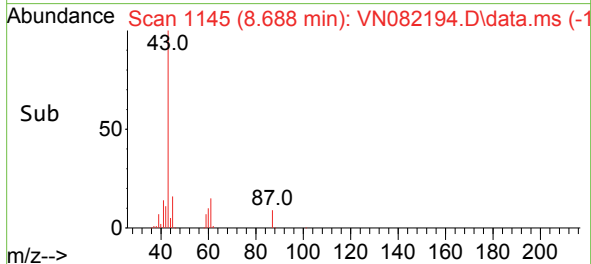
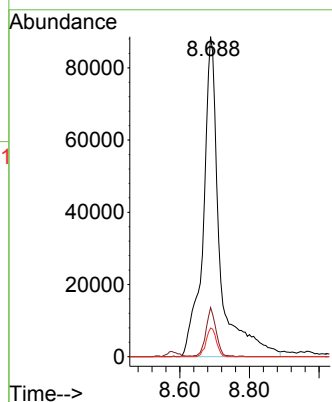
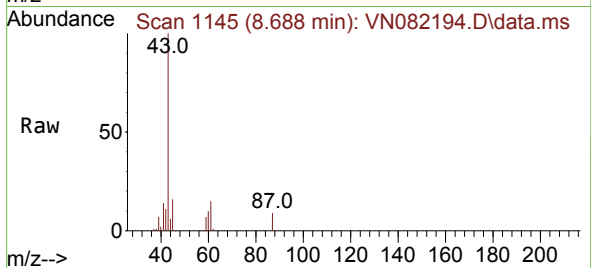




#43
Isopropyl Acetate
Concen: 47.861 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

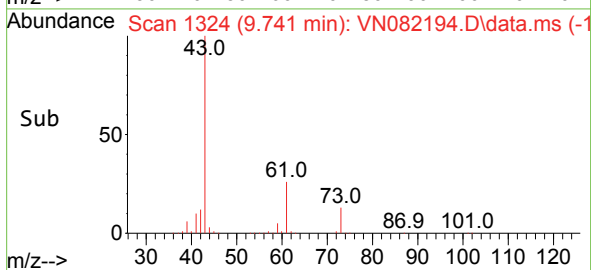
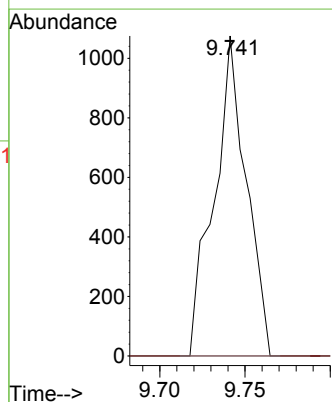
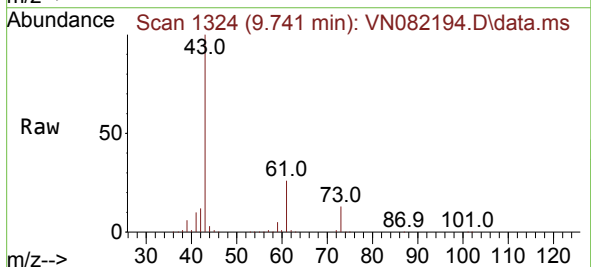
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

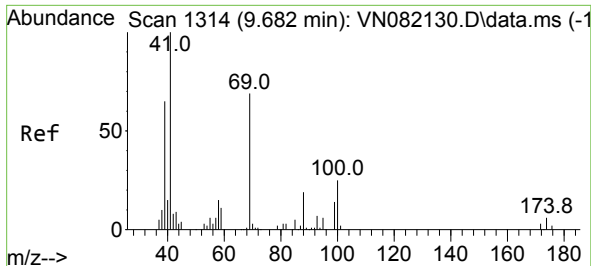
Tgt Ion: 43 Resp: 291619
Ion Ratio Lower Upper
43 100
61 9.5 22.8 34.2#
87 5.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.599 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 63 Resp: 1416
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

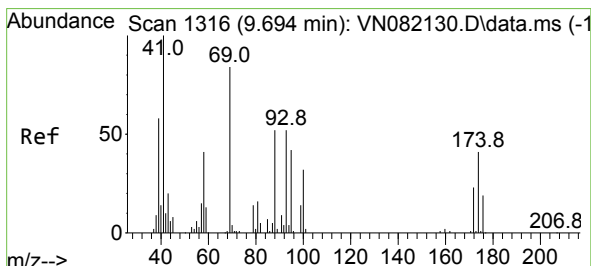
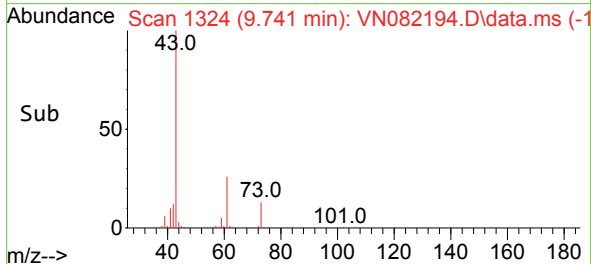
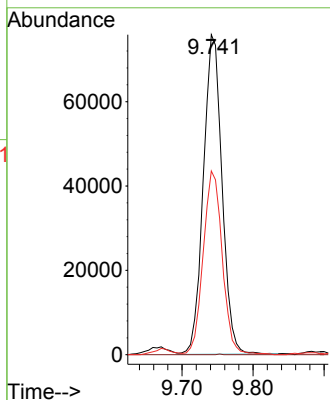
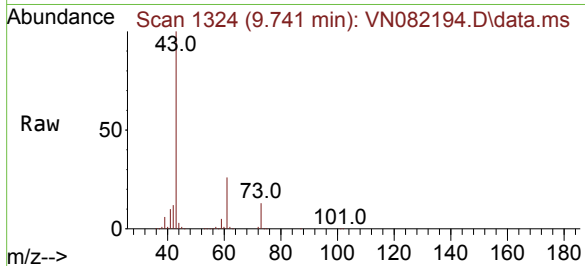




#48
Methyl methacrylate
Concen: 47.672 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

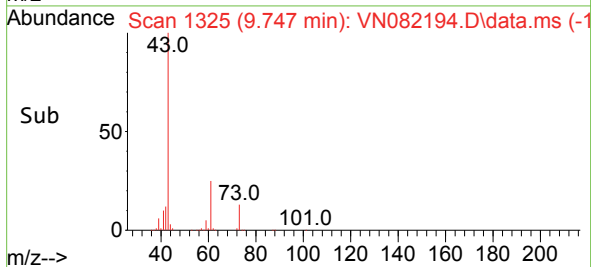
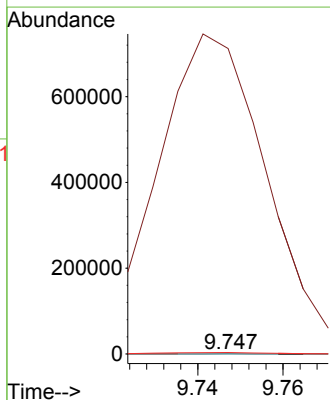
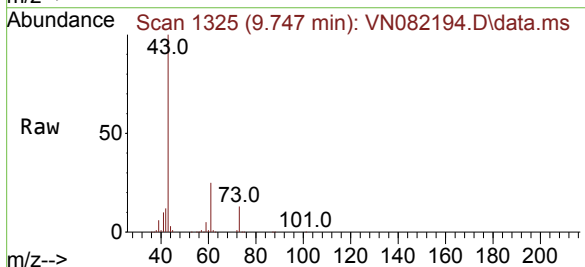
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

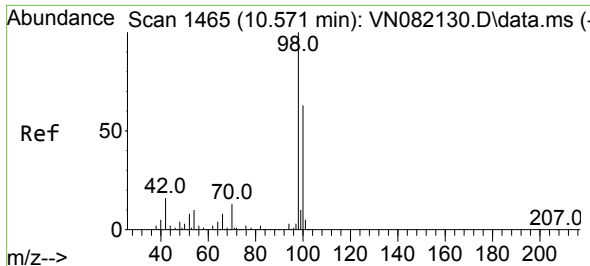
Tgt Ion: 41 Resp: 138406
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 58.8 50.9 76.3



#49
1,4-Dioxane
Concen: 2.016 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 1661611.0 19.0 28.6#
58 7481.7 50.6 76.0#

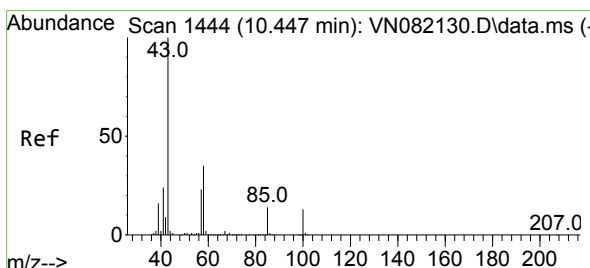
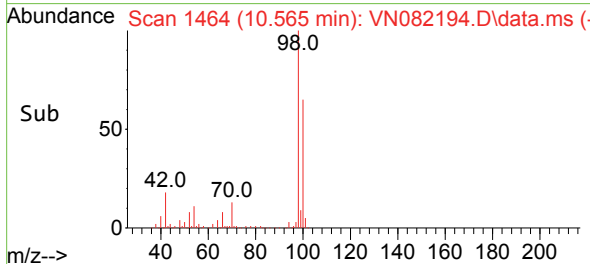
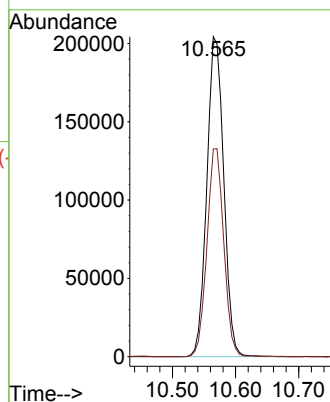
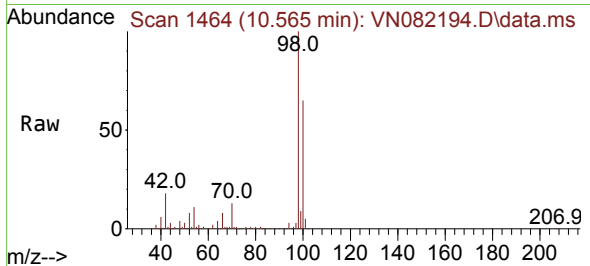




#50
Toluene-d8
Concen: 54.091 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

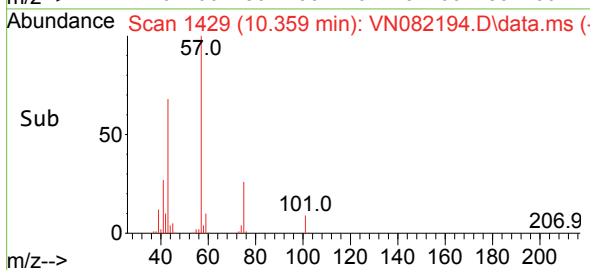
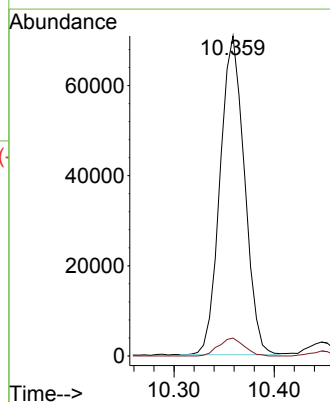
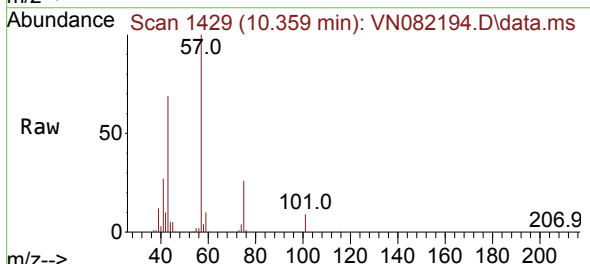
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

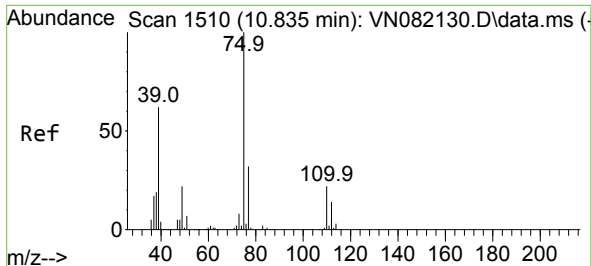
Tgt Ion: 98 Resp: 379930
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 34.549 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 43 Resp: 119605
Ion Ratio Lower Upper
43 100
58 5.8 33.2 49.8#

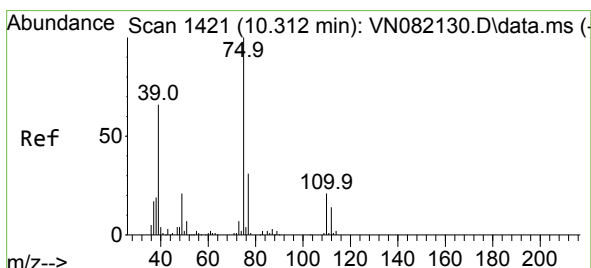
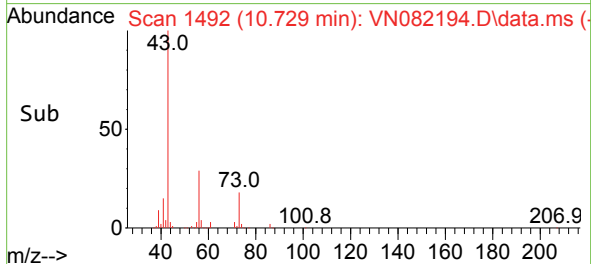
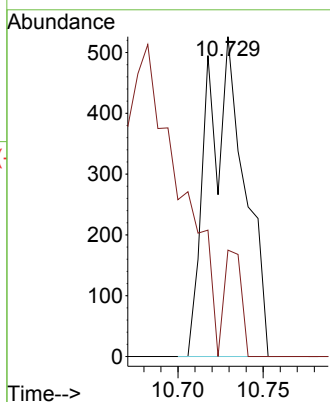
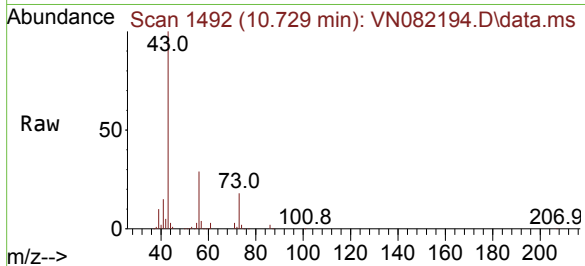




#53
 t-1,3-Dichloropropene
 Concen: 0.235 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082194.D
 Acq: 17 May 2024 21:22

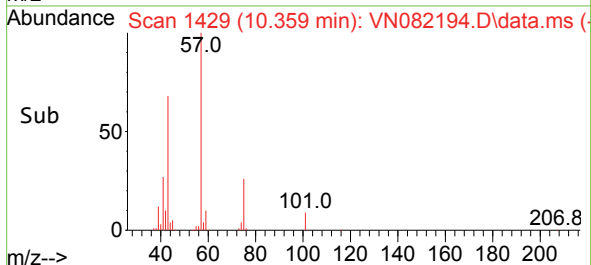
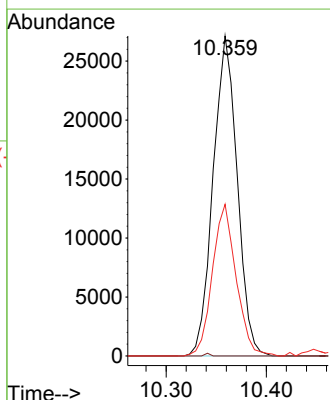
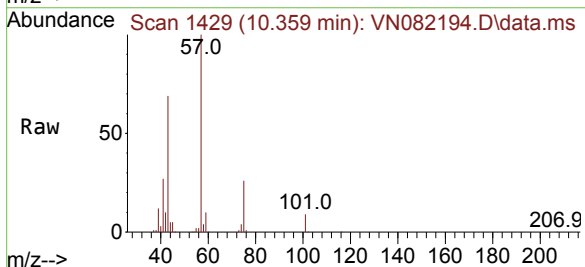
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPK

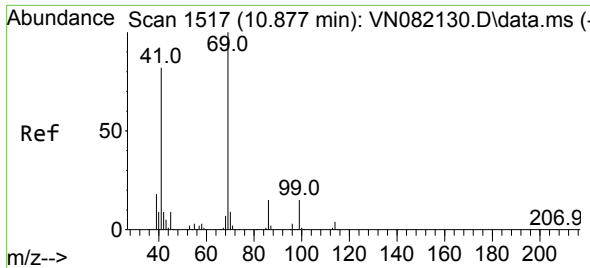
Tgt Ion: 75 Resp: 797
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 12.618 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082194.D
 Acq: 17 May 2024 21:22

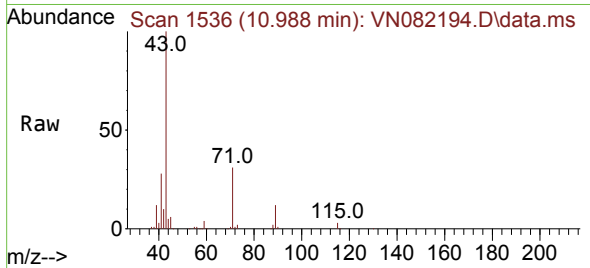
Tgt Ion: 75 Resp: 45260
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 47.4 34.8 52.2



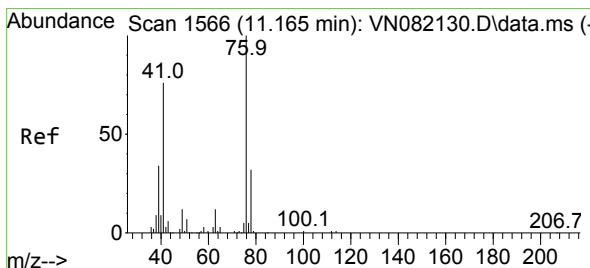
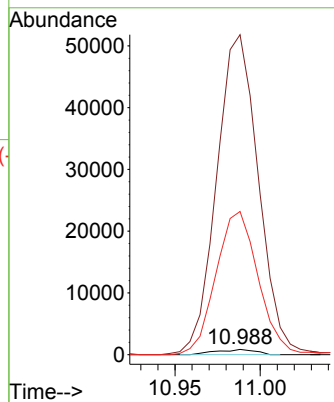
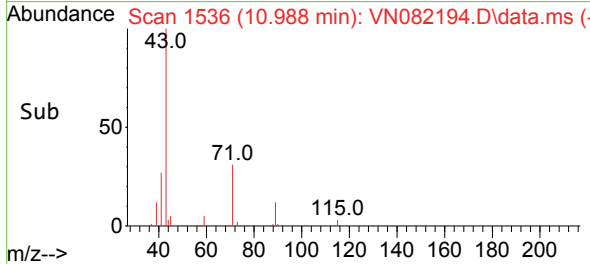


#56
Ethyl methacrylate
Concen: 0.404 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

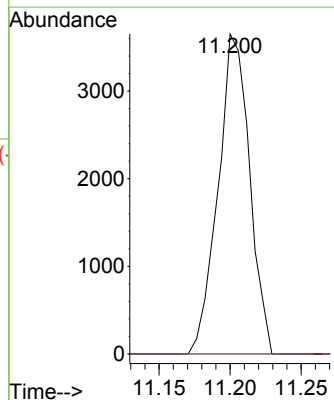
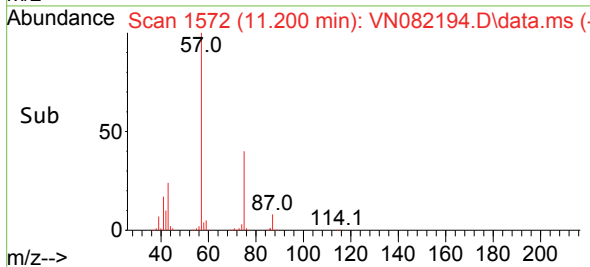
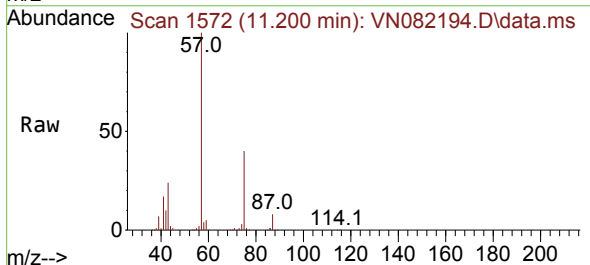


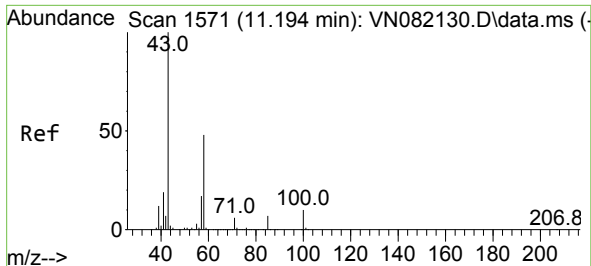
Tgt Ion: 69 Resp: 1370
Ion Ratio Lower Upper
69 100
41 6469.3 46.6 70.0#
39 2925.3 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.506 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 76 Resp: 5628
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

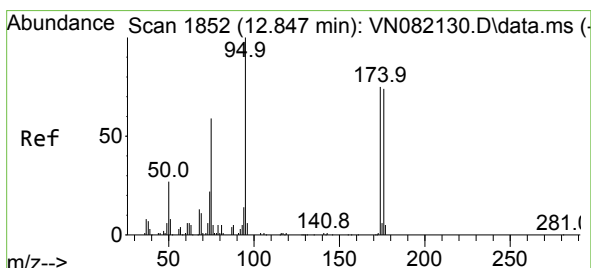
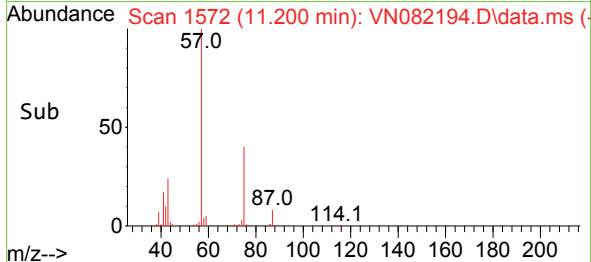
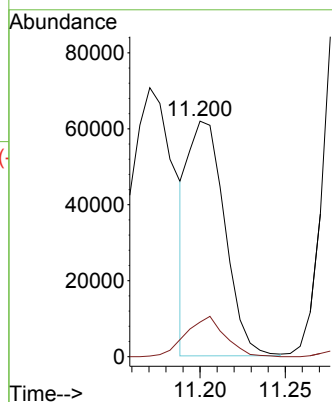
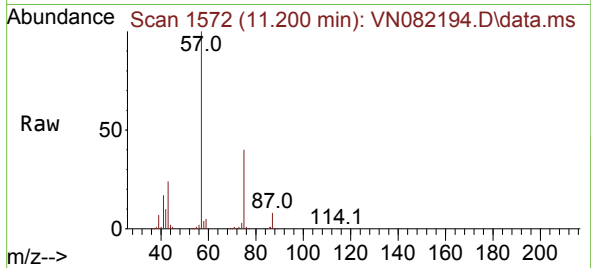




#59
2-Hexanone
Concen: 36.334 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

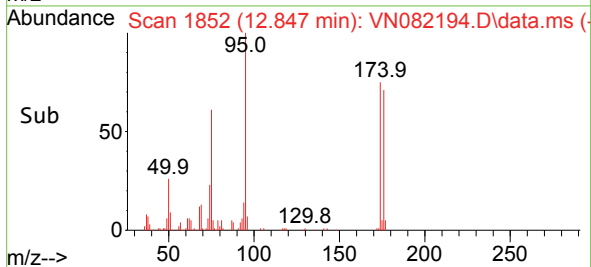
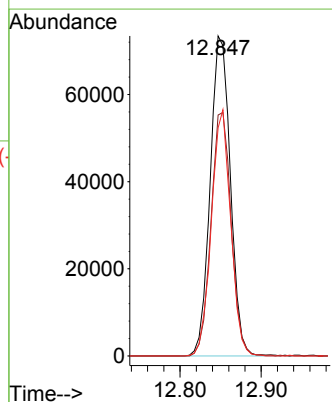
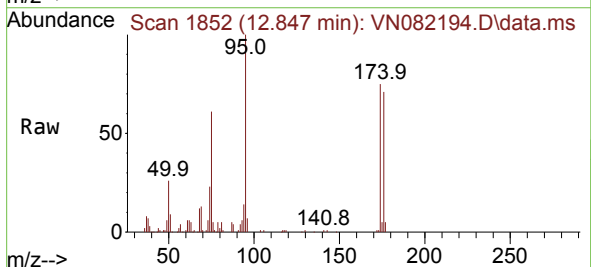
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

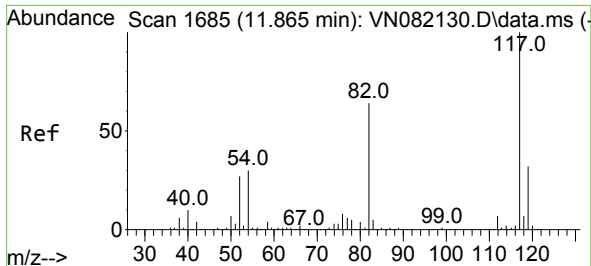
Tgt Ion: 43 Resp: 92099
Ion Ratio Lower Upper
43 100
58 18.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion: 95 Resp: 126585
Ion Ratio Lower Upper
95 100
174 76.4 0.0 160.6
176 73.6 0.0 152.8

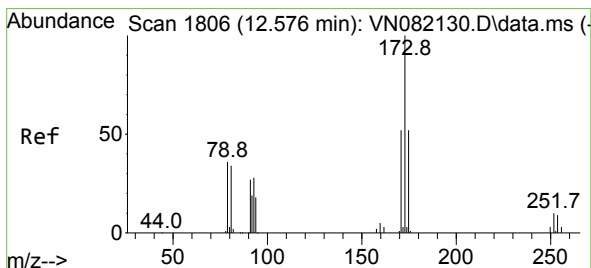
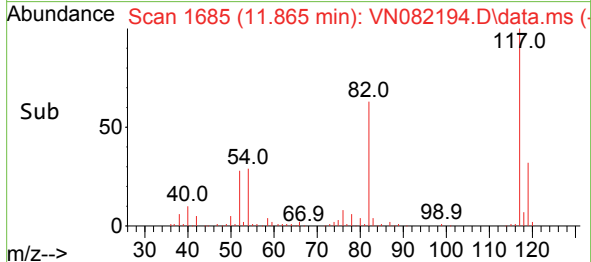
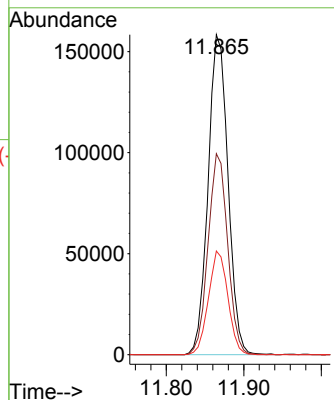
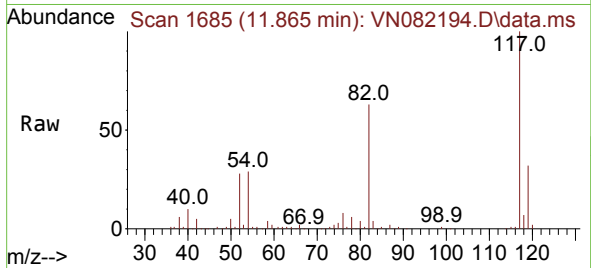




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

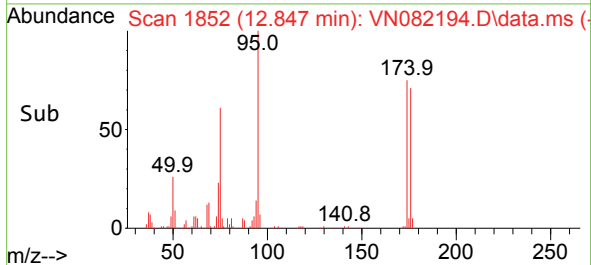
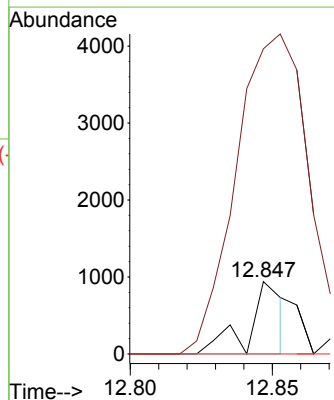
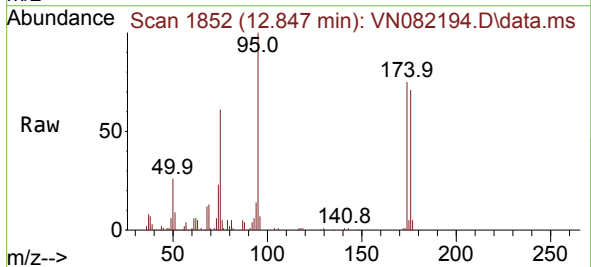
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPK

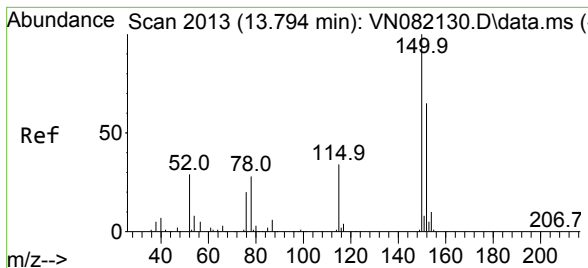
Tgt Ion:117 Resp: 282679
Ion Ratio Lower Upper
117 100
82 62.8 44.6 66.8
119 32.4 25.9 38.9



#71
Bromoform
Concen: 1.175 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082194.D
Acq: 17 May 2024 21:22

Tgt Ion:173 Resp: 786
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# 20

Delta R.T. -0.000 min

Lab File: VN082194.D

Acq: 17 May 2024 21:22

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPK

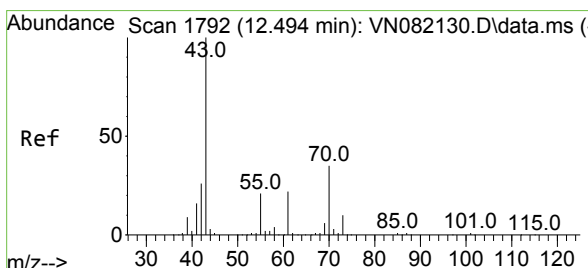
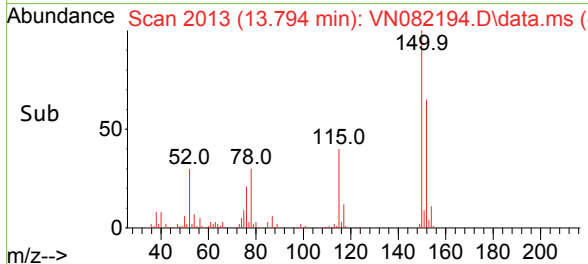
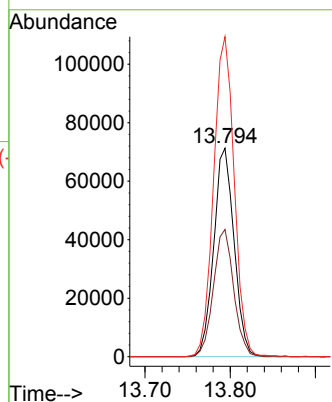
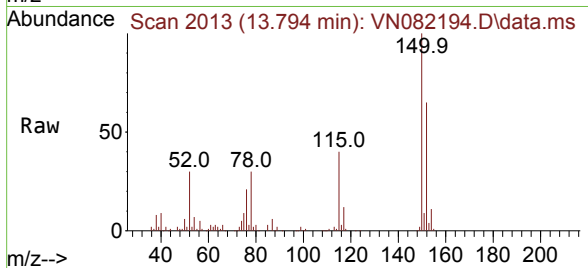
Tgt Ion:152 Resp: 118160

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.3

150 155.8 0.0 353.2



#74

N-ethyl acetate

Concen: 0.272 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082194.D

Acq: 17 May 2024 21:22

Tgt Ion: 43 Resp: 1404

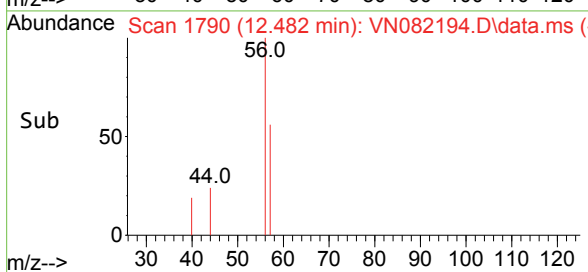
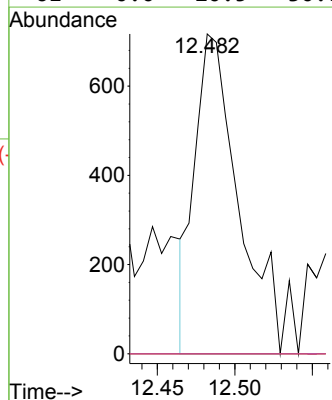
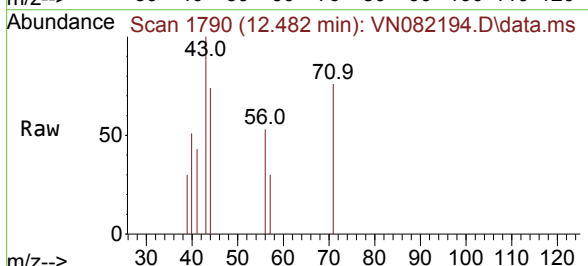
Ion Ratio Lower Upper

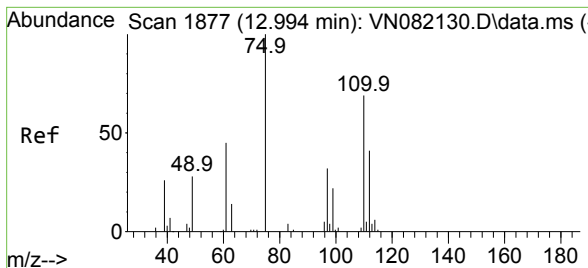
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.127 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082194.D

Acq: 17 May 2024 21:22

Instrument :

MSVOA_N

ClientSampleId :

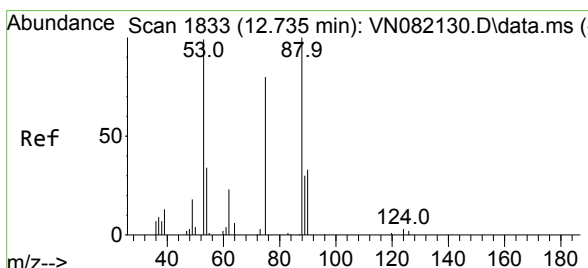
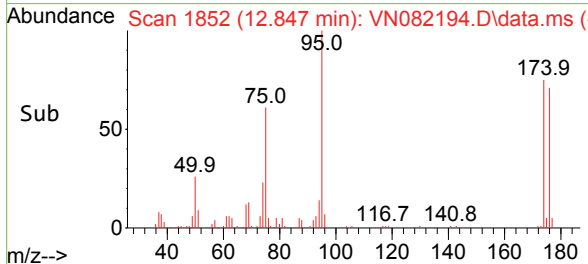
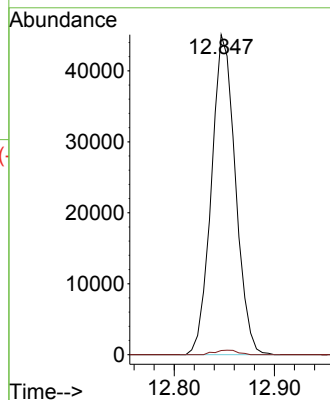
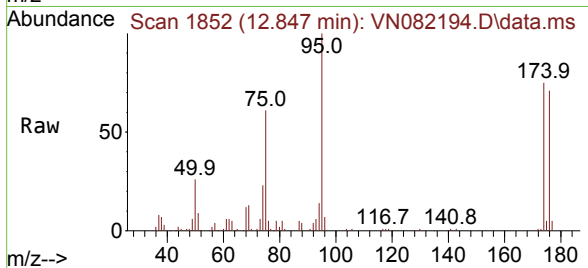
WCS-TPK

Tgt Ion: 75 Resp: 74926

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.466 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082194.D

Acq: 17 May 2024 21:22

Tgt Ion: 75 Resp: 74926

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

