

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078294.D
 Acq On : 19 Jun 2023 21:27
 Operator : JC\MD
 Sample : 03321-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-25

Quant Time: Jun 20 01:36:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

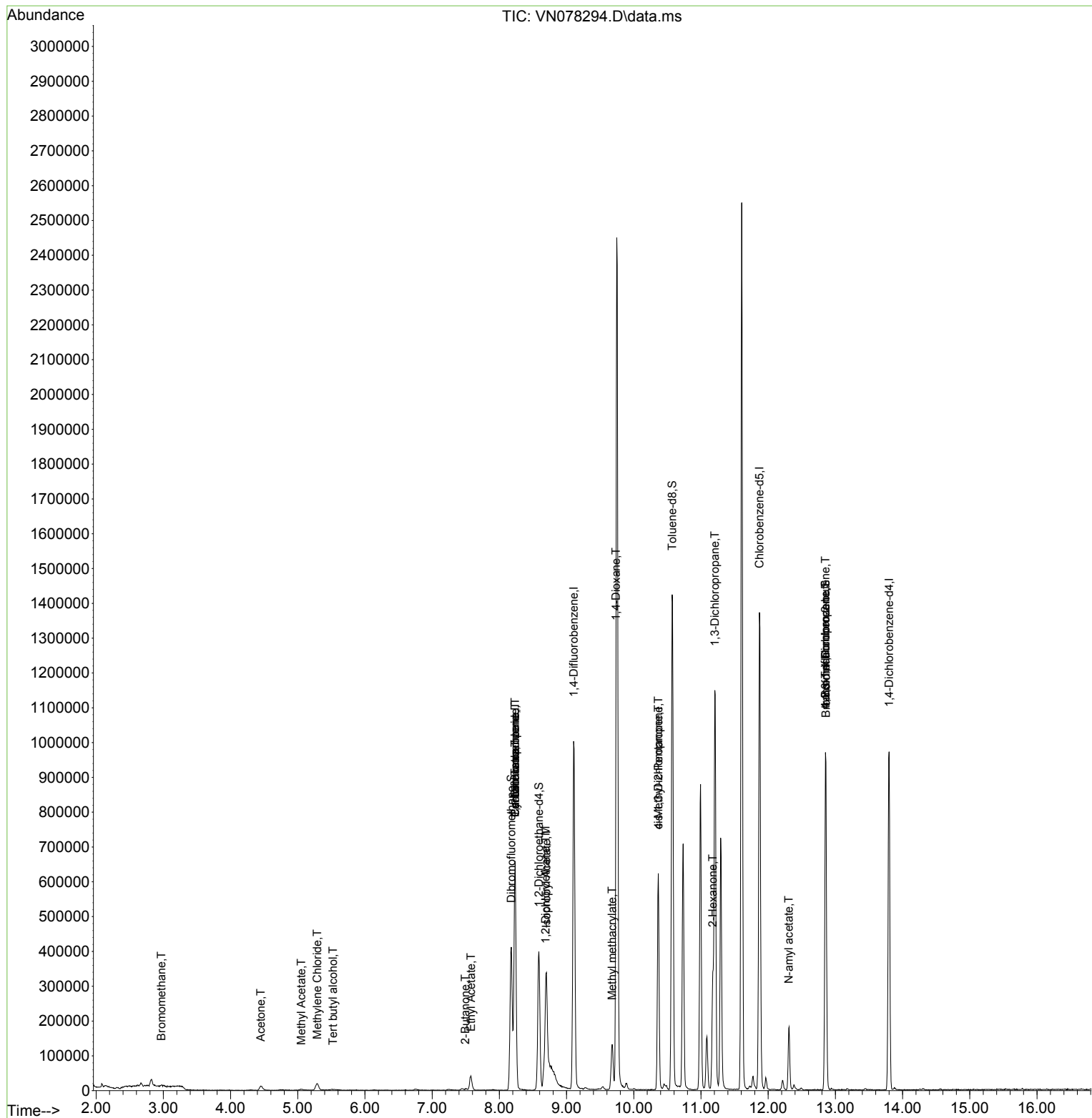
Internal Standards						
1) Pentafluorobenzene	8.235	168	469396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	883133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	820196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	272615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	330746	52.848	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.700%	
35) Dibromofluoromethane	8.177	113	294235	52.693	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.380%	
50) Toluene-d8	10.571	98	1041569	48.385	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.780%	
62) 4-Bromofluorobenzene	12.853	95	346108	51.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	918	Below Cal	#	82
5) Bromomethane	2.971	94	2051	0.391	ug/l #	72
11) Tert butyl alcohol	5.524	59	2055	2.378	ug/l #	72
16) Acetone	4.447	43	24333	13.508	ug/l	91
18) Methyl Acetate	5.053	43	5692	0.686	ug/l #	76
20) Methylene Chloride	5.289	84	16618	2.792	ug/l #	87
25) 2-Butanone	7.494	43	6481	2.340	ug/l #	86
31) Cyclohexane	8.235	56	11531	1.436	ug/l #	34
36) 1,1-Dichloropropene	8.235	75	41102	5.132	ug/l #	49
37) Ethyl Acetate	7.577	43	59978	9.586	ug/l	97
38) Carbon Tetrachloride	8.235	117	51548	6.095	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2791	0.340	ug/l	79
43) Isopropyl Acetate	8.700	43	564773	47.197	ug/l #	68
48) Methyl methacrylate	9.676	41	8148	1.623	ug/l #	31
49) 1,4-Dioxane	9.735	88	161	1.525	ug/l #	30
51) 4-Methyl-2-Pentanone	10.365	43	218293	34.643	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	113123	12.072	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	13237	1.373	ug/l #	45
59) 2-Hexanone	11.176	43	254212	57.940	ug/l #	19
71) Bromoform	12.859	173	3247	0.779	ug/l #	1
74) N-amyl acetate	12.306	43	55173	6.499	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.947	83	55	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	188316	29.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	188316	89.774	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

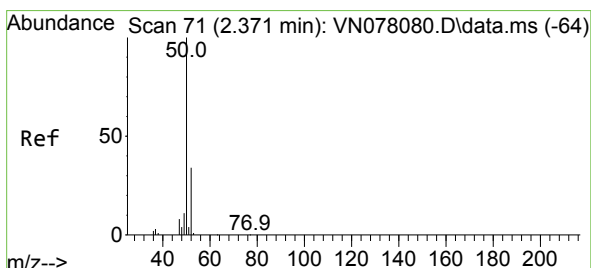
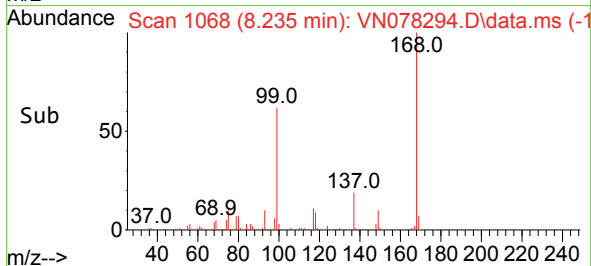
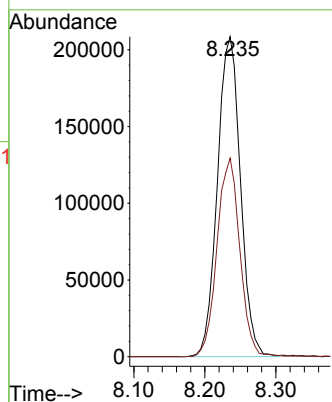
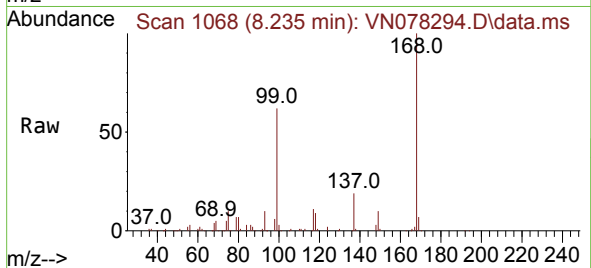




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

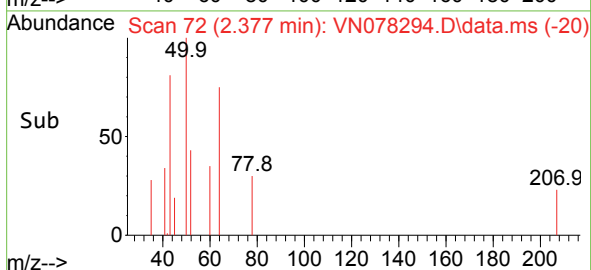
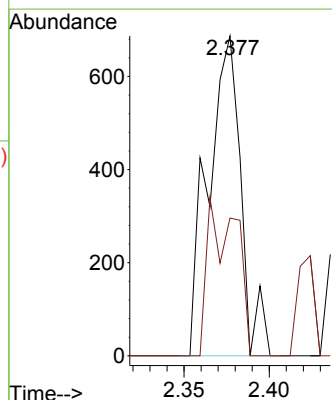
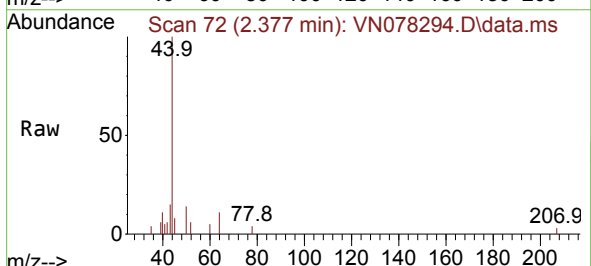
Instrument :
MSVOA_N
ClientSampleId :
WC-25

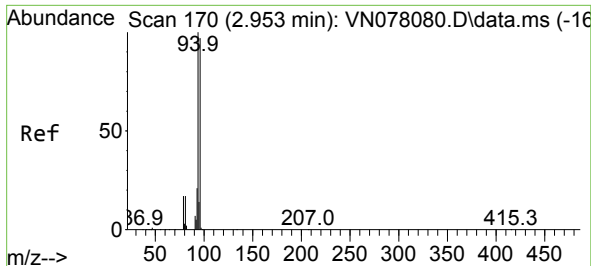
Tgt Ion:168 Resp: 469396
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 43.1 26.5 39.7#

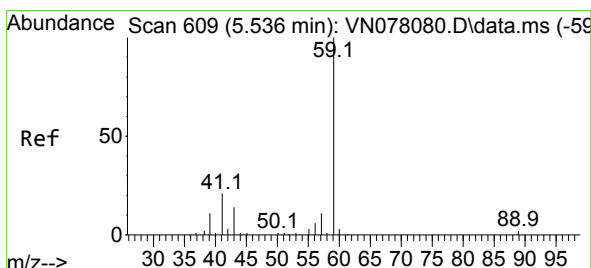
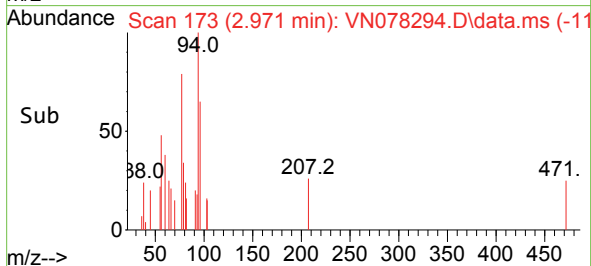
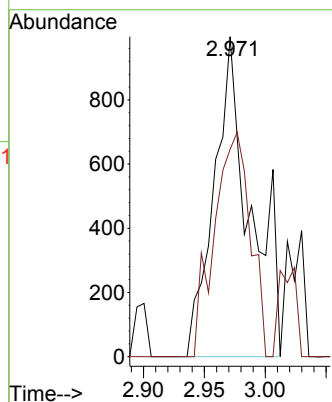
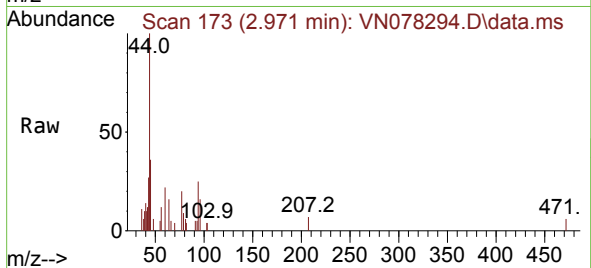




#5
Bromomethane
Concen: 0.391 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

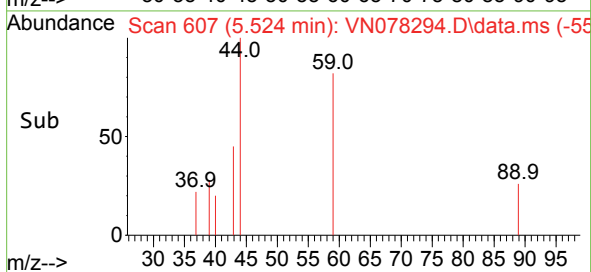
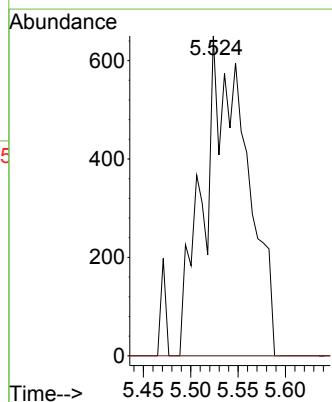
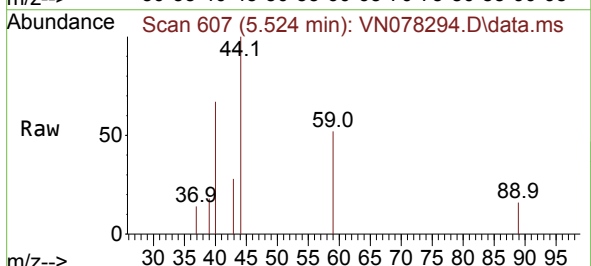
Instrument :
MSVOA_N
ClientSampleId :
WC-25

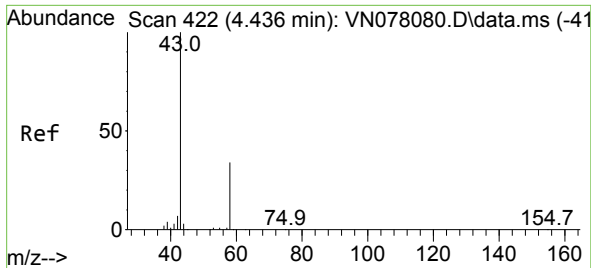
Tgt Ion: 94 Resp: 2051
Ion Ratio Lower Upper
94 100
96 64.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.378 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 59 Resp: 2055
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

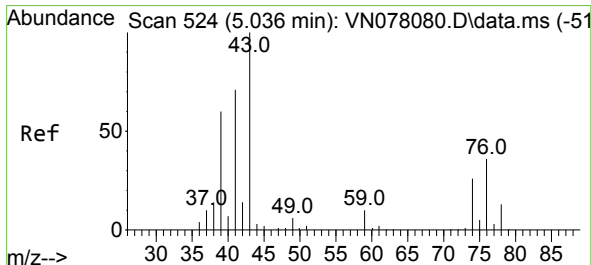
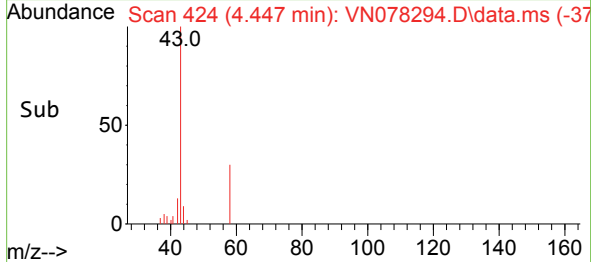
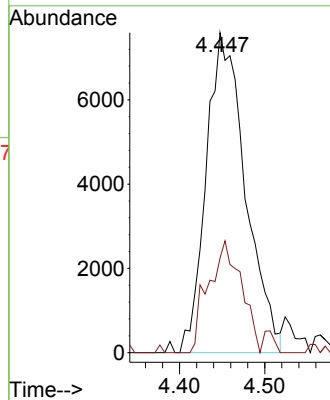
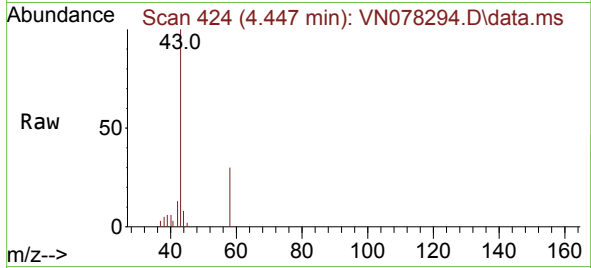




#16
Acetone
Concen: 13.508 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

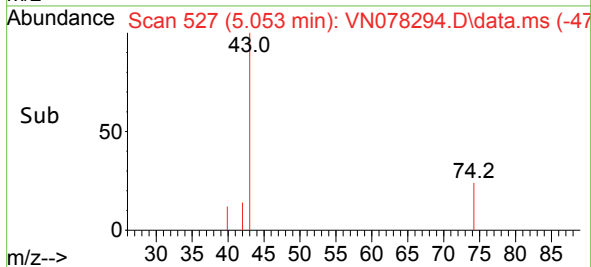
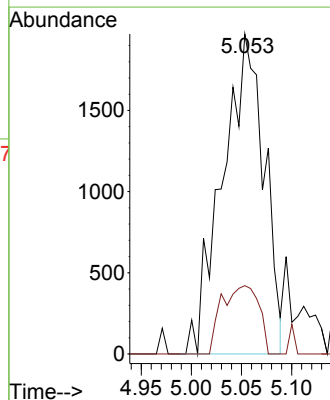
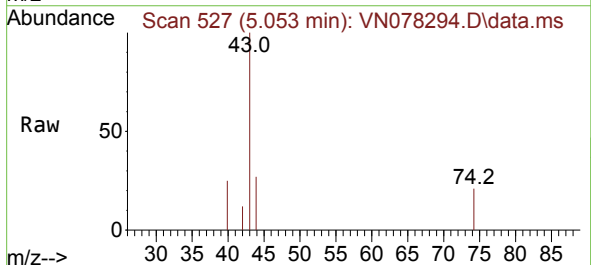
Instrument :
MSVOA_N
ClientSampleId :
WC-25

Tgt Ion: 43 Resp: 24333
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 43 Resp: 5692
Ion Ratio Lower Upper
43 100
74 19.0 26.2 39.4#

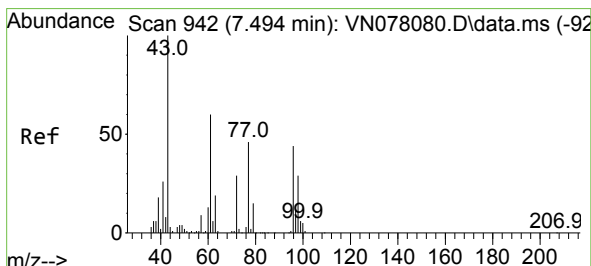
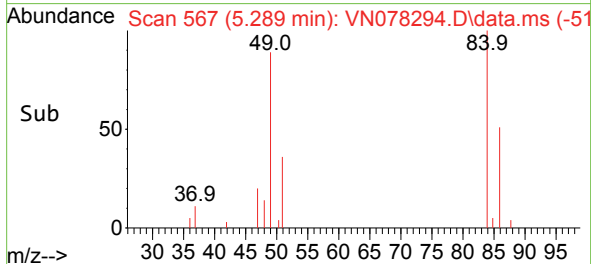
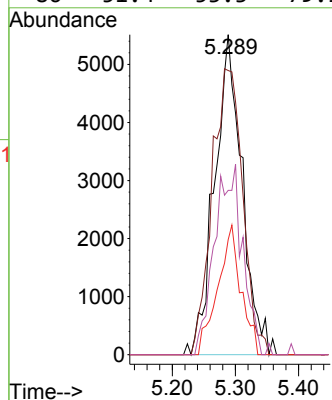
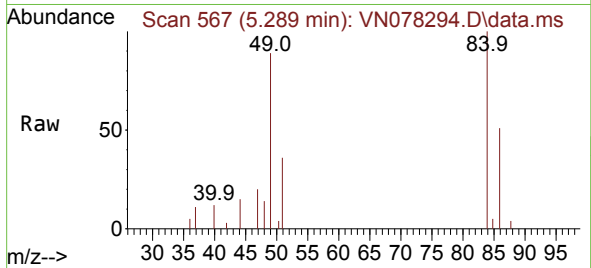




#20
Methylene Chloride
Concen: 2.792 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

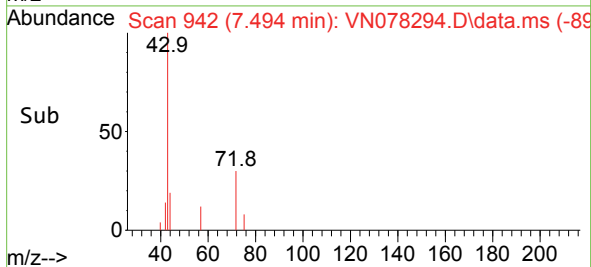
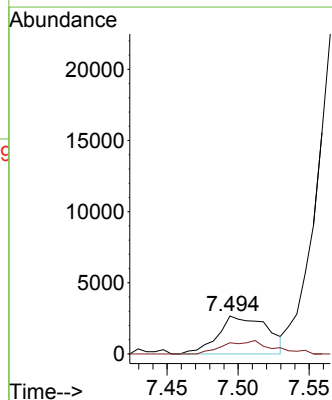
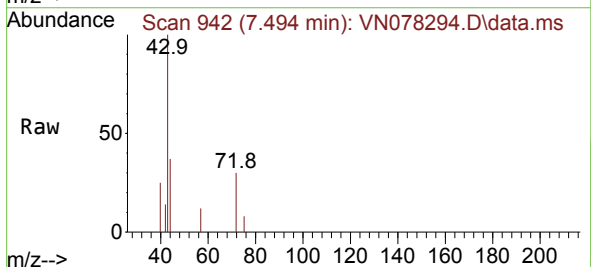
Instrument :
MSVOA_N
ClientSampleId :
WC-25

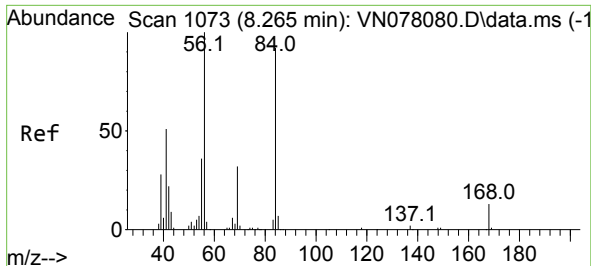
Tgt Ion:	84	Resp:	16618
Ion	Ratio	Lower	Upper
84	100		
49	88.8	79.7	119.5
51	36.0	25.2	37.8
86	51.4	53.3	79.9#



#25
2-Butanone
Concen: 2.340 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion:	43	Resp:	6481
Ion	Ratio	Lower	Upper
43	100		
72	29.5	30.2	45.2#

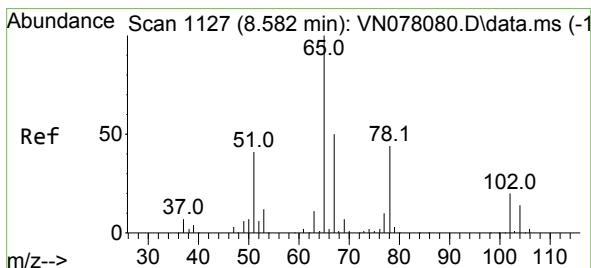
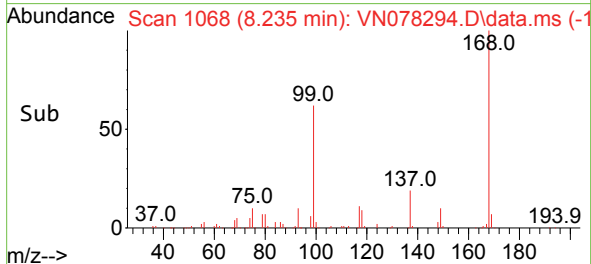
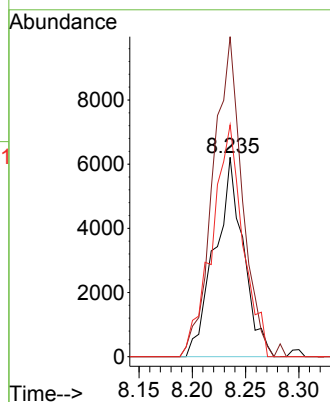
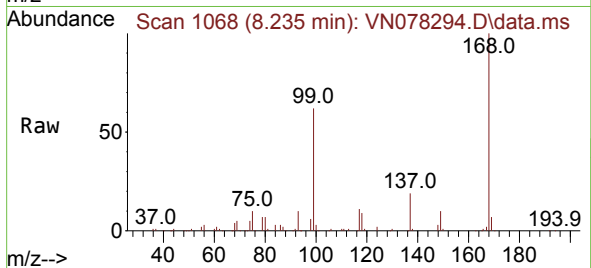




#31
Cyclohexane
Concen: 1.436 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

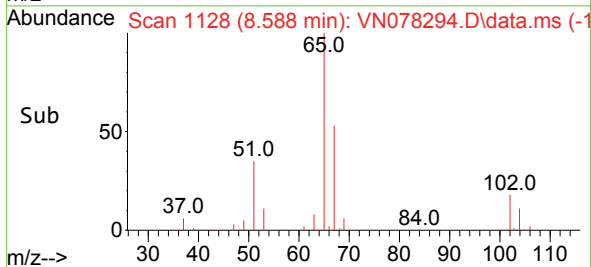
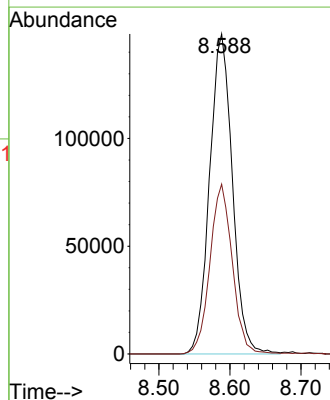
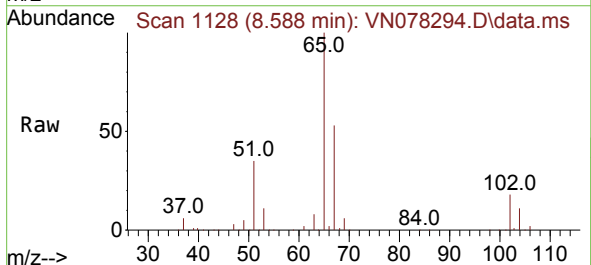
Instrument :
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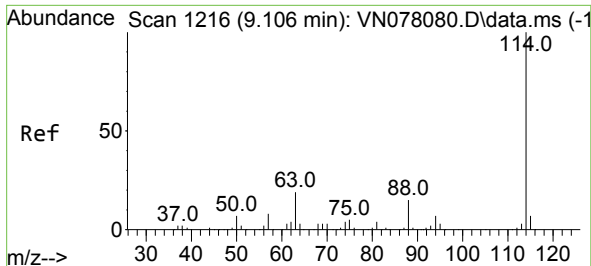
Tgt Ion: 56 Resp: 11531
Ion Ratio Lower Upper
56 100
69 160.5 26.8 40.2#
84 116.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.848 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 65 Resp: 330746
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

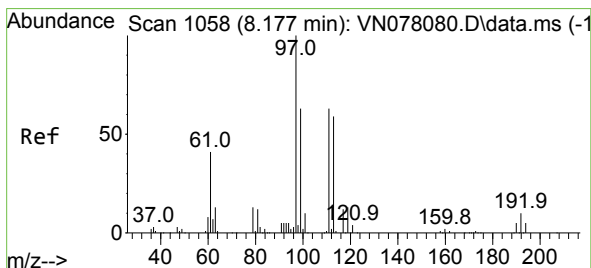
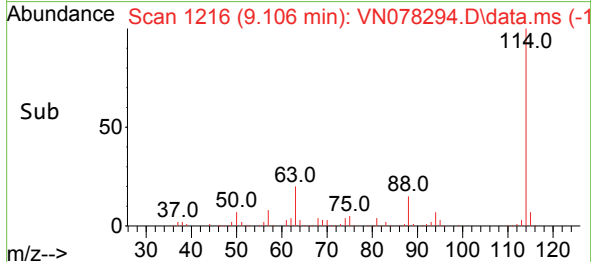
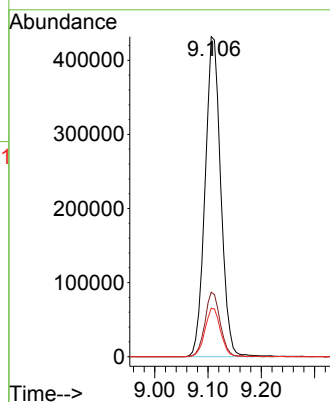
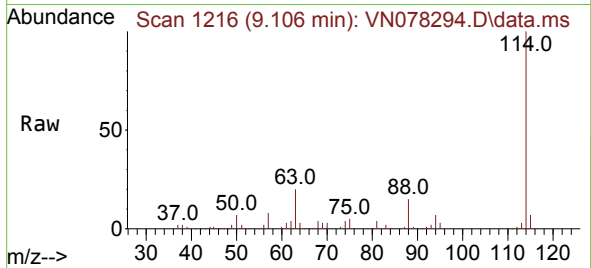




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

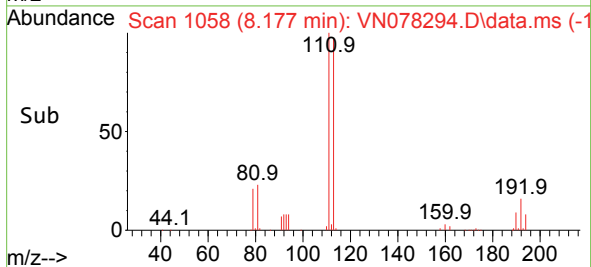
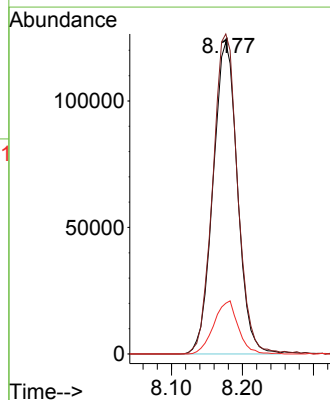
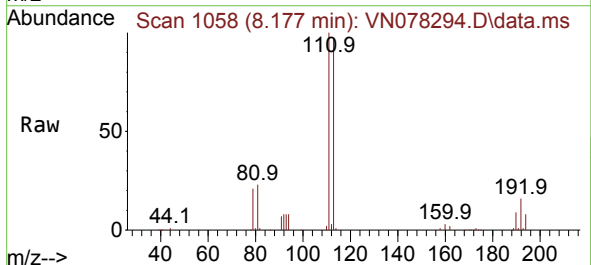
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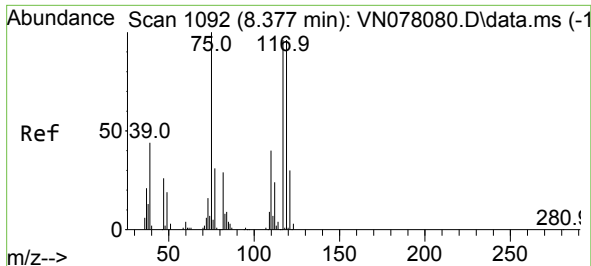
Tgt Ion:114 Resp: 883133
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.693 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion:113 Resp: 294235
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 17.0 12.7 19.1

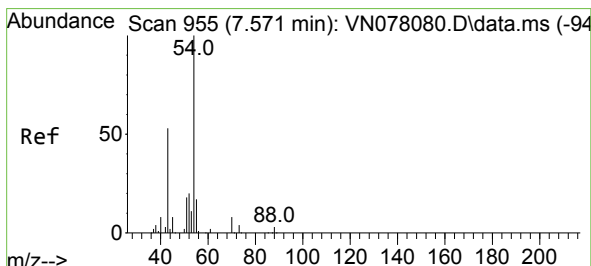
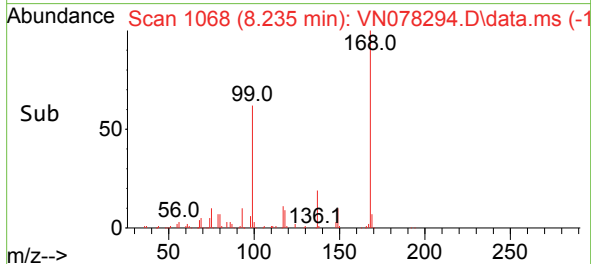
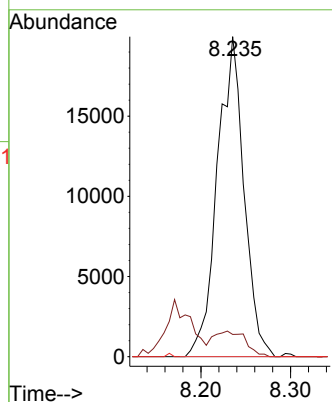
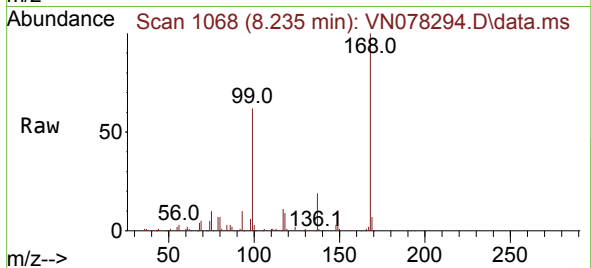




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

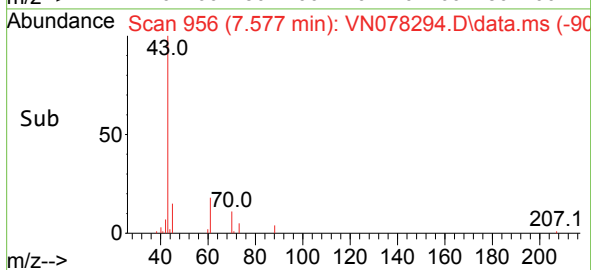
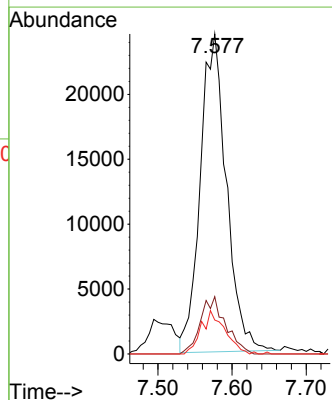
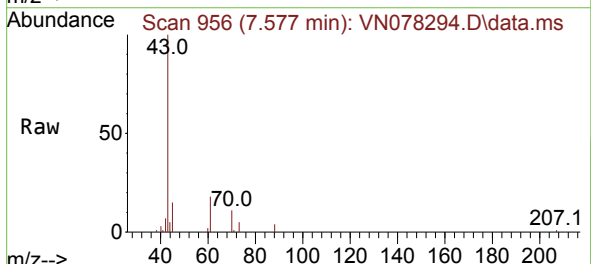
Instrument :
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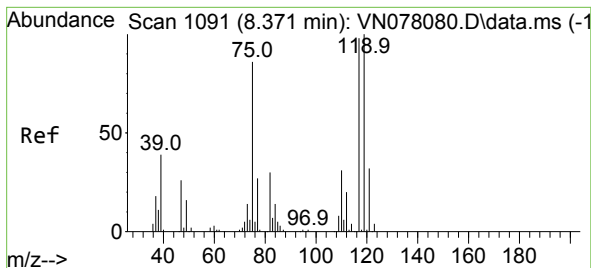
Tgt Ion: 75 Resp: 41102
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.586 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 43 Resp: 59978
Ion Ratio Lower Upper
43 100
61 17.3 13.2 19.8
70 12.4 11.3 16.9





#38

Carbon Tetrachloride

Concen: 6.095 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Instrument :

MSVOA_N

ClientSampleId :

WC-25

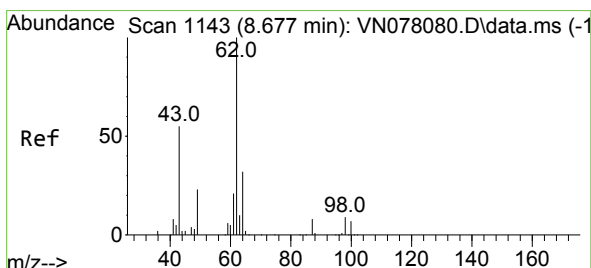
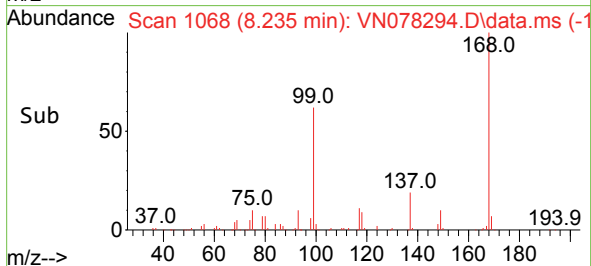
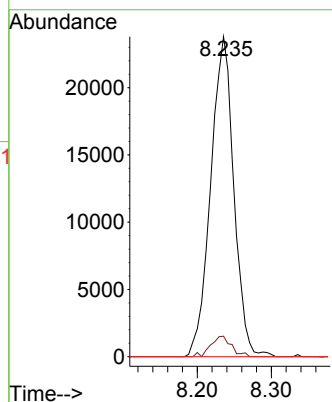
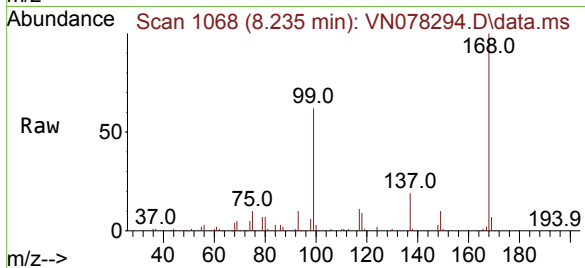
Tgt Ion:117 Resp: 51548

Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.340 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN078294.D

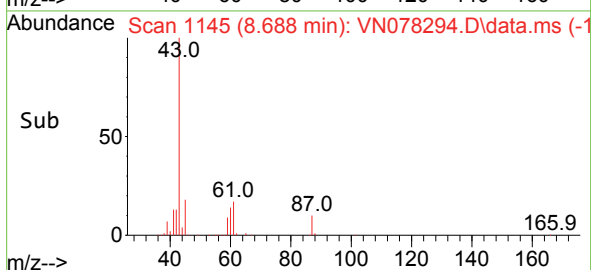
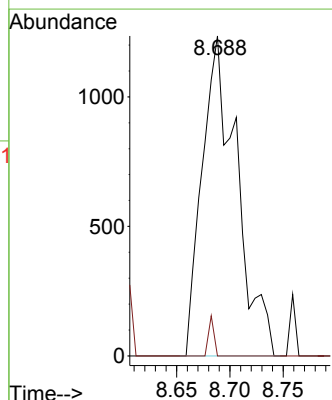
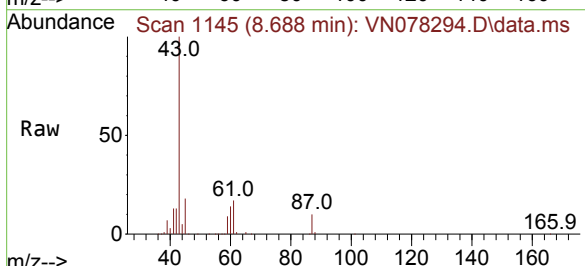
Acq: 19 Jun 2023 21:27

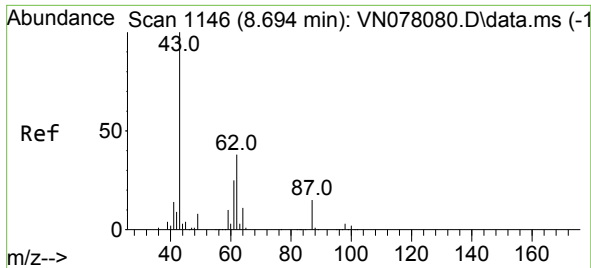
Tgt Ion: 62 Resp: 2791

Ion Ratio Lower Upper

62 100

98 2.0 0.0 19.8

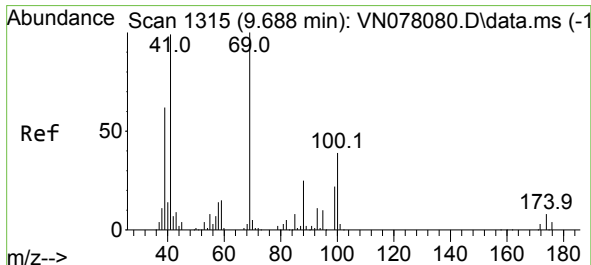
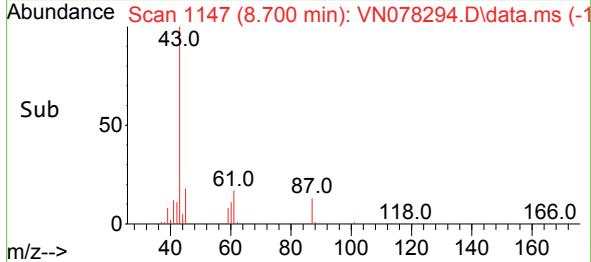
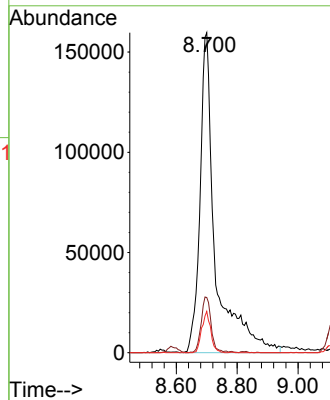
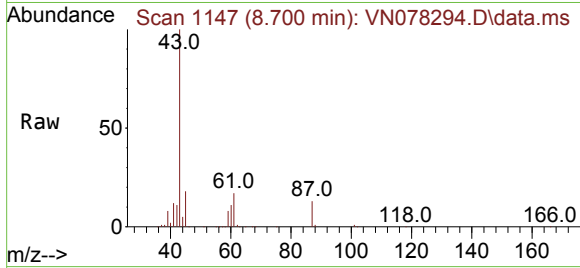




#43
Isopropyl Acetate
Concen: 47.197 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

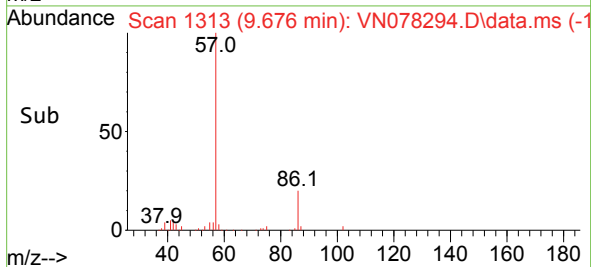
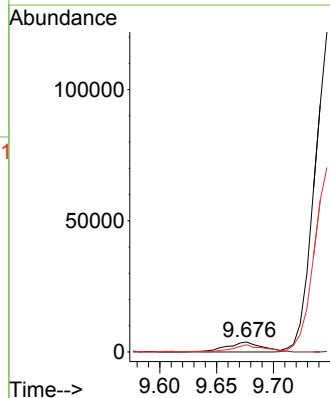
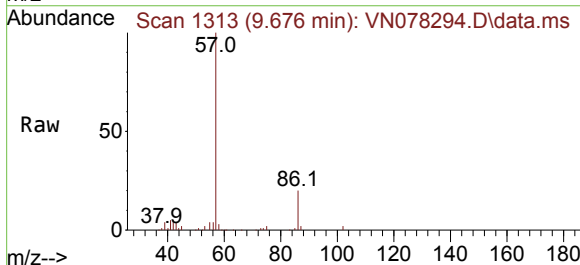
Instrument :
MSVOA_N
ClientSampleId :
WC-25

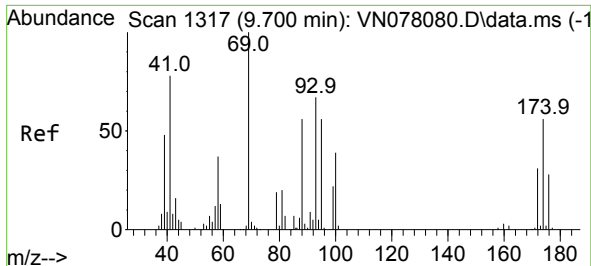
Tgt Ion: 43 Resp: 564773
Ion Ratio Lower Upper
43 100
61 11.2 24.7 37.1#
87 7.4 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.623 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 41 Resp: 8148
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.7 54.6 81.8





#49

1,4-Dioxane

Concen: 1.525 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Instrument :

MSVOA_N

ClientSampleId :

WC-25

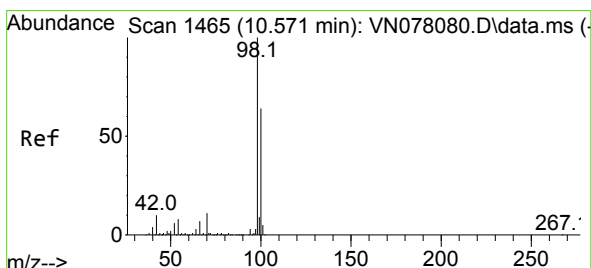
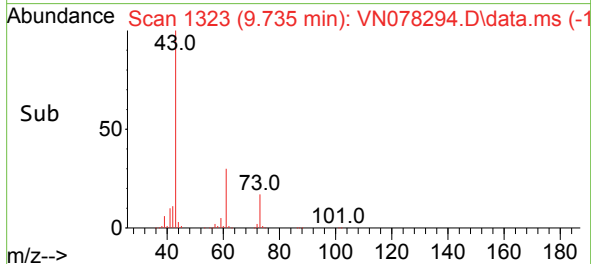
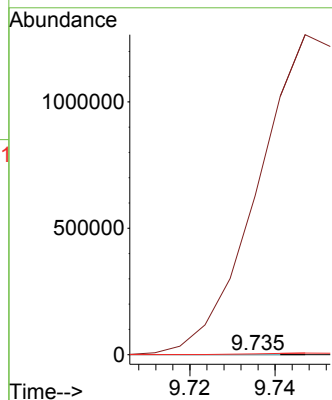
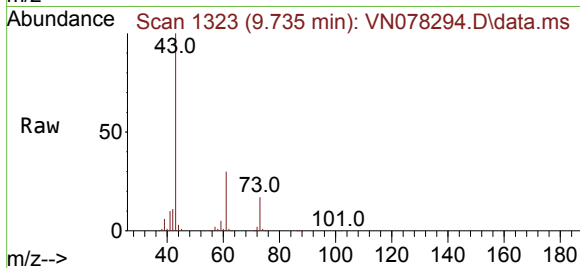
Tgt Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.385 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078294.D

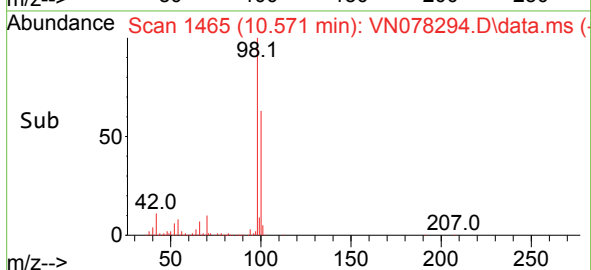
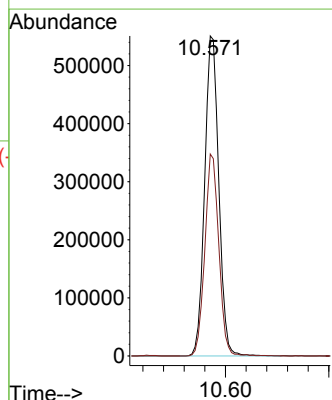
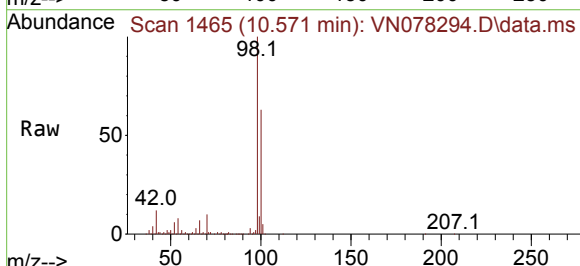
Acq: 19 Jun 2023 21:27

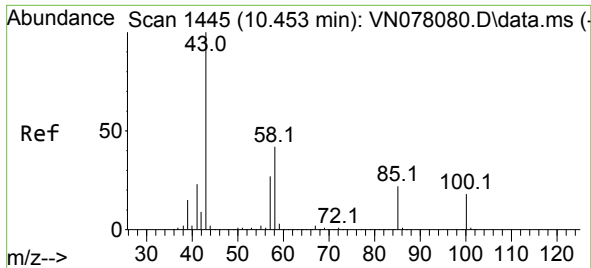
Tgt Ion: 98 Resp: 1041569

Ion Ratio Lower Upper

98 100

100 62.5 52.0 78.0

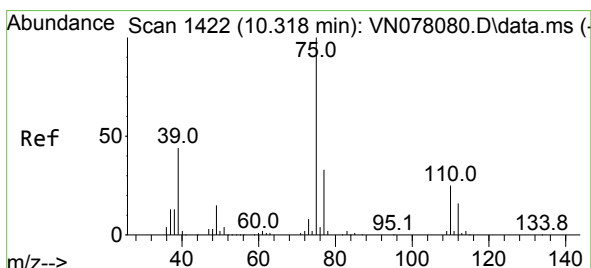
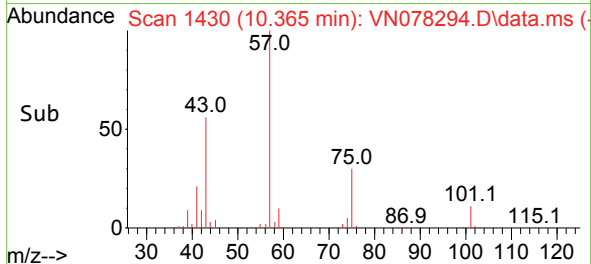
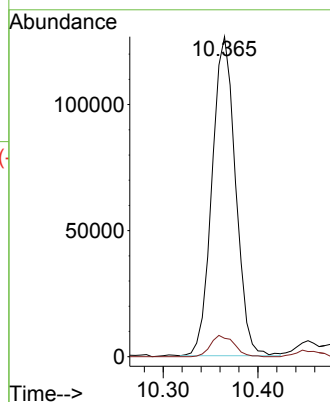
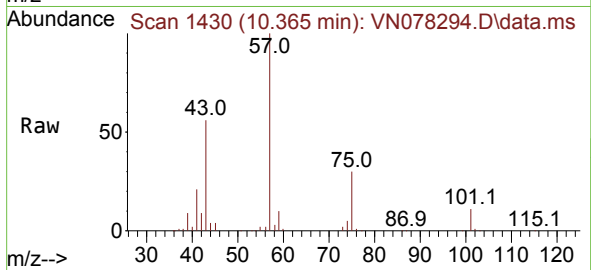




#51
4-Methyl-2-Pentanone
Concen: 34.643 ug/l
RT: 10.365 min Scan# 14
Delta R.T. -0.088 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

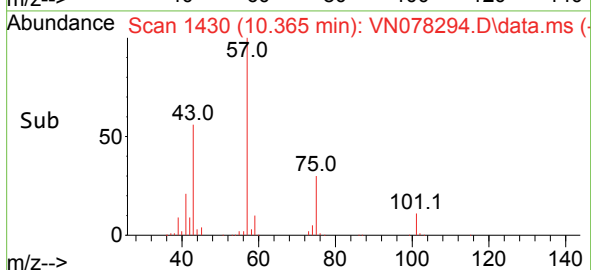
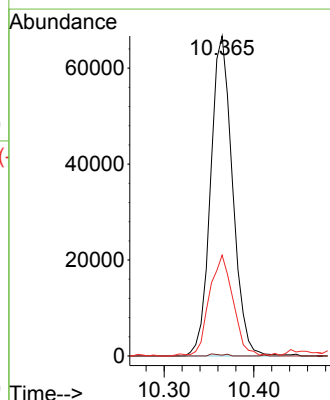
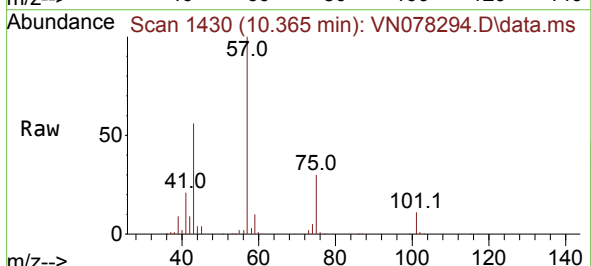
Instrument :
MSVOA_N
ClientSampleId :
WC-25

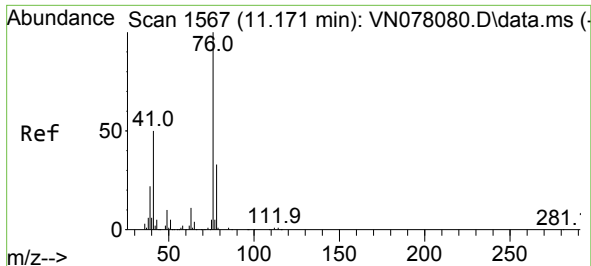
Tgt Ion: 43 Resp: 218293
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 12.072 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 75 Resp: 113123
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 31.3 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.373 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Instrument :

MSVOA_N

ClientSampleId :

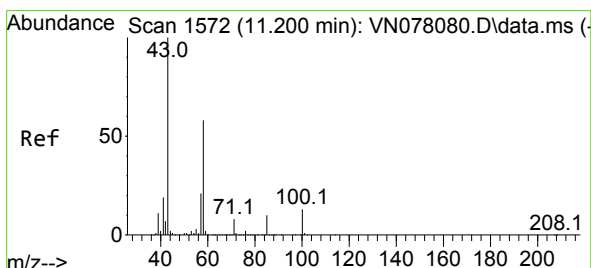
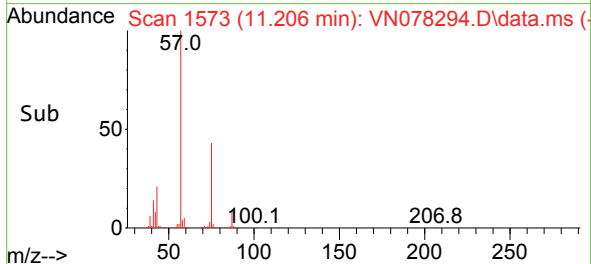
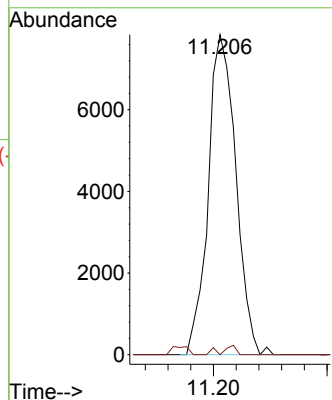
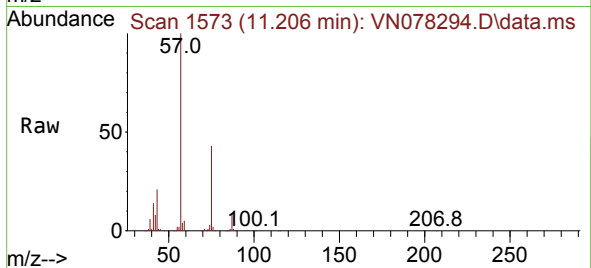
WC-25

Tgt Ion: 76 Resp: 13237

Ion Ratio Lower Upper

76 100

78 1.5 26.1 39.1#



#59

2-Hexanone

Concen: 57.940 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078294.D

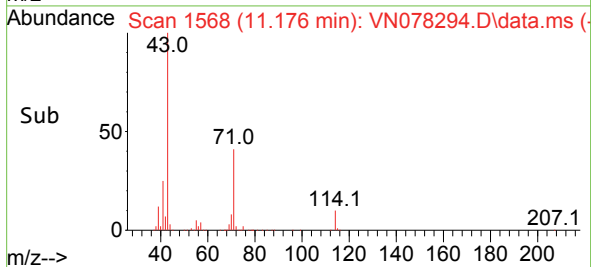
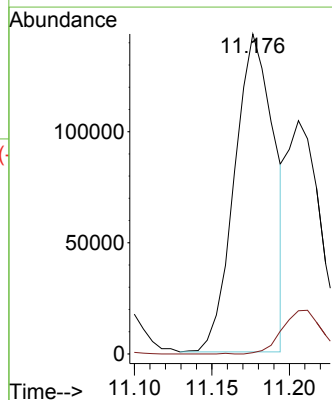
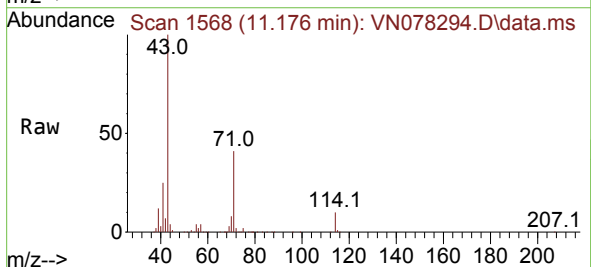
Acq: 19 Jun 2023 21:27

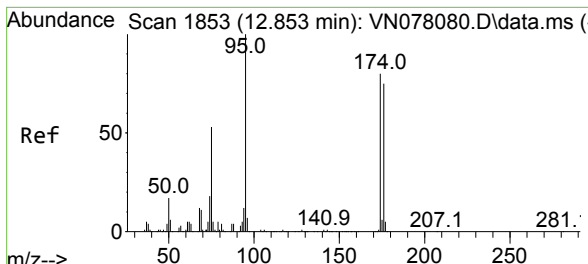
Tgt Ion: 43 Resp: 254212

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

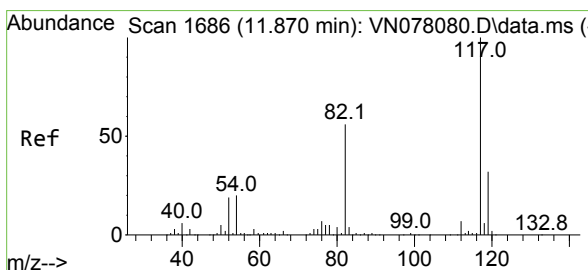
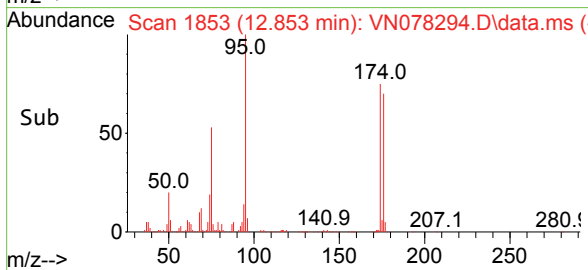
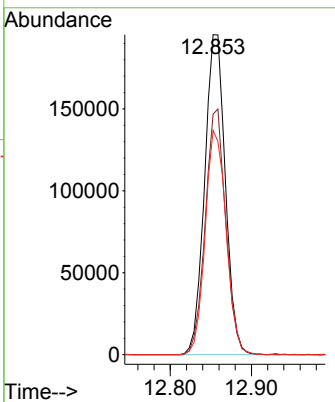
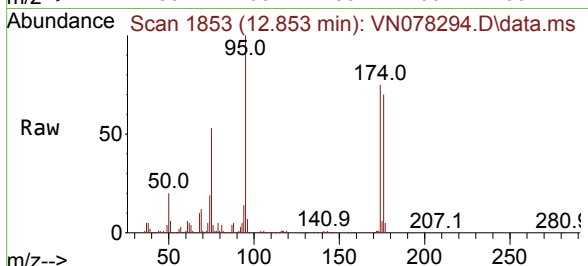




#62
 4-Bromofluorobenzene
 Concen: 51.719 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078294.D
 Acq: 19 Jun 2023 21:27

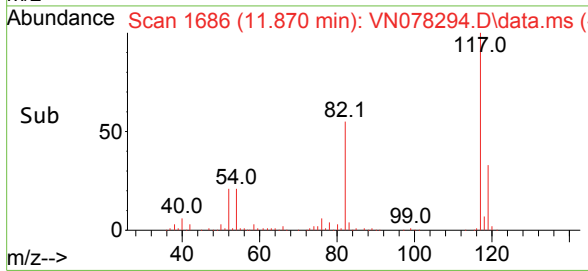
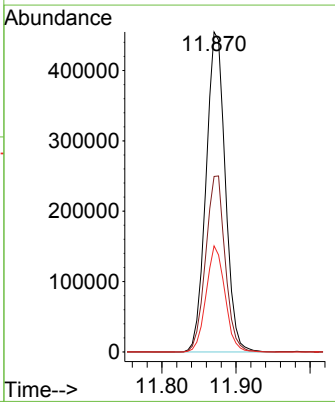
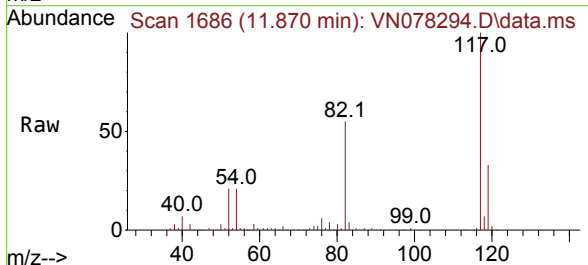
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-25

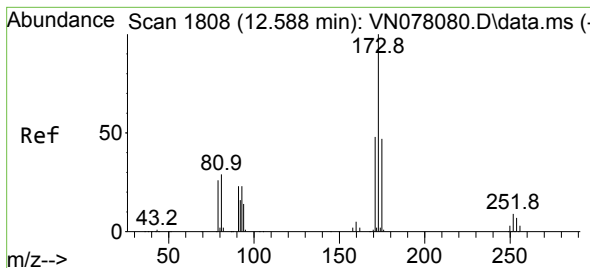
Tgt Ion:	95	Resp:	346108
Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	143.8
176	70.8	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078294.D
 Acq: 19 Jun 2023 21:27

Tgt Ion:	117	Resp:	820196
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.0	66.0
119	33.2	25.6	38.4





#71

Bromoform

Concen: 0.779 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.271 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Instrument :

MSVOA_N

ClientSampleId :

WC-25

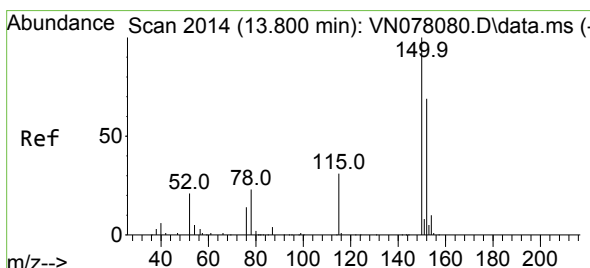
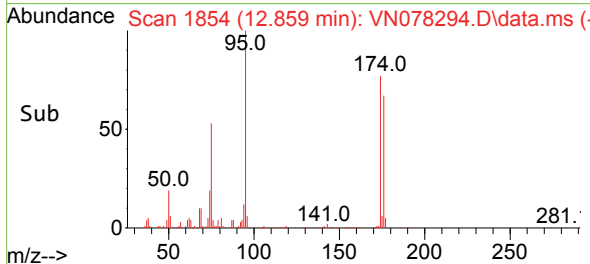
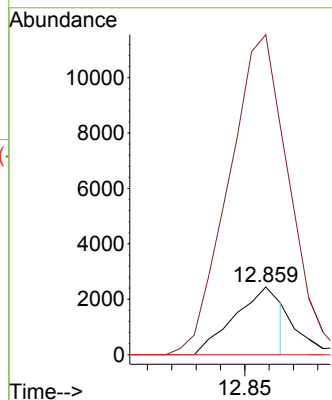
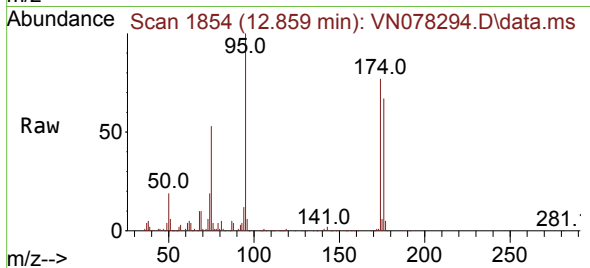
Tgt Ion:173 Resp: 3247

Ion Ratio Lower Upper

173 100

175 517.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

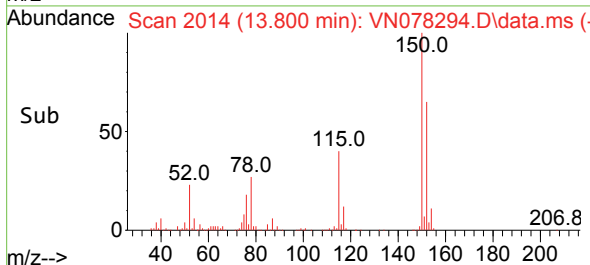
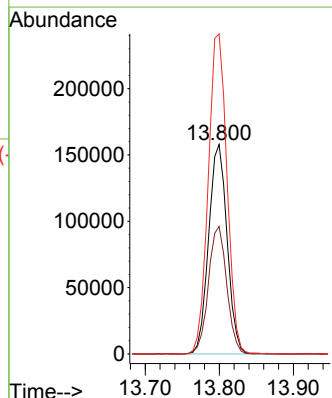
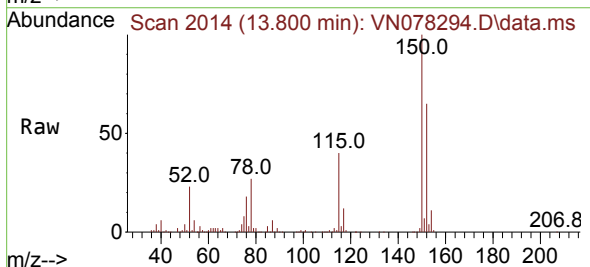
Tgt Ion:152 Resp: 272615

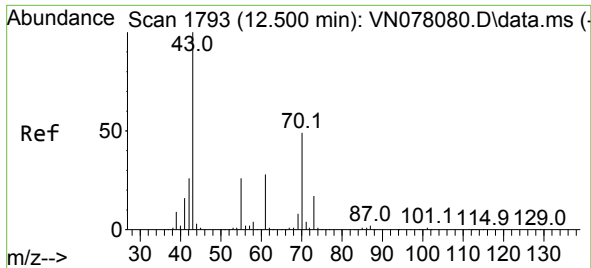
Ion Ratio Lower Upper

152 100

115 60.7 32.3 96.8

150 155.4 0.0 355.8

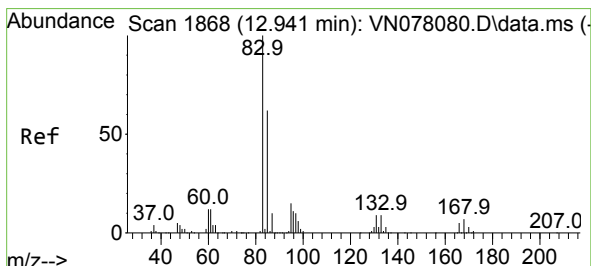
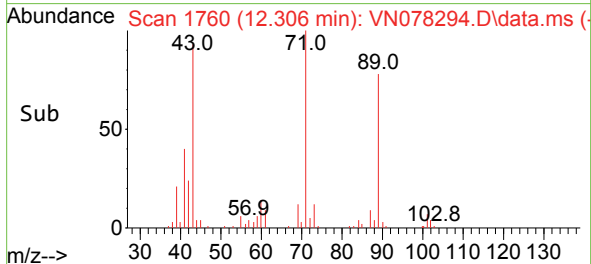
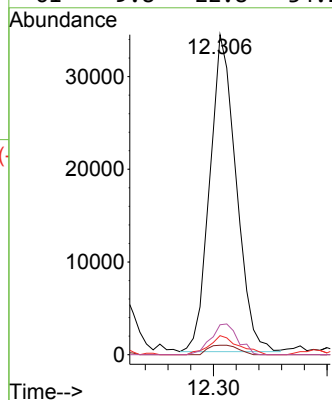
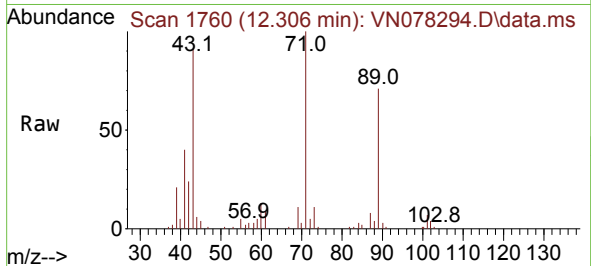




#74
N-amy1 acetate
Concen: 6.499 ug/l
RT: 12.306 min Scan# 1760
Delta R.T. -0.194 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

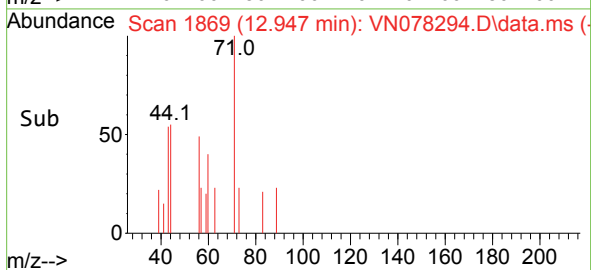
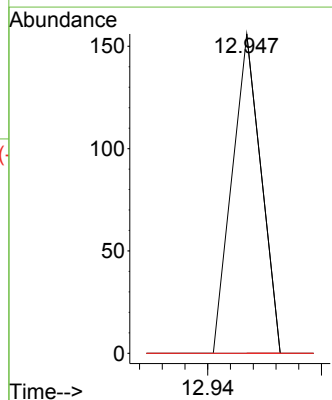
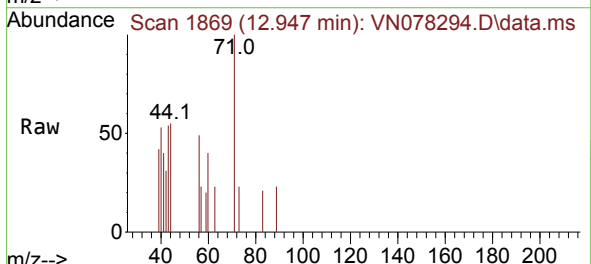
Instrument :
MSVOA_N
ClientSampleId :
WC-25

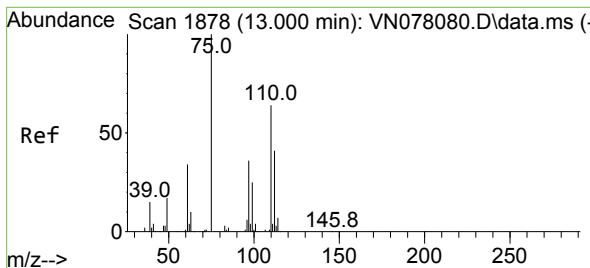
Tgt Ion: 43	Resp: 55173
Ion Ratio	Lower Upper
43	100
70	3.3 43.4 65.2#
55	6.6 21.4 32.0#
61	9.8 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078294.D
Acq: 19 Jun 2023 21:27

Tgt Ion: 83	Resp: 55
Ion Ratio	Lower Upper
83	100
131	0.0 5.0 15.0#
85	0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.220 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Instrument :

MSVOA_N

ClientSampleId :

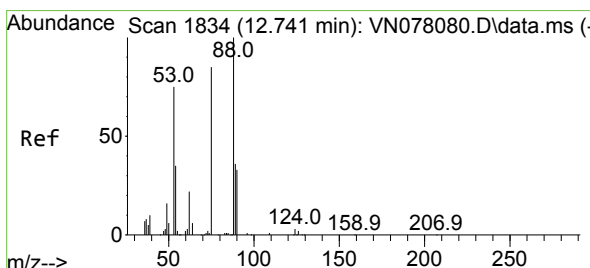
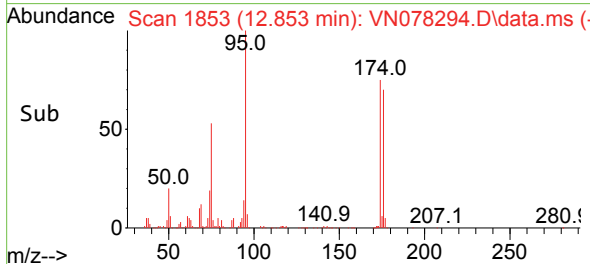
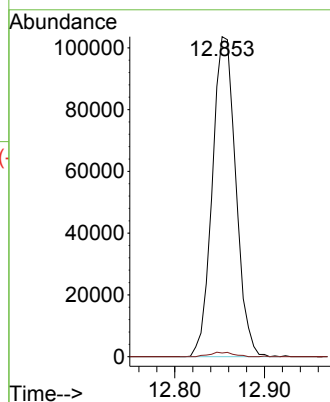
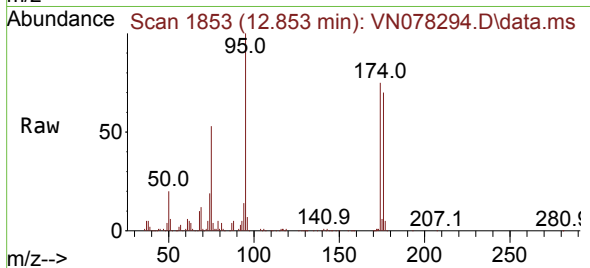
WC-25

Tgt Ion: 75 Resp: 188316

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.774 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078294.D

Acq: 19 Jun 2023 21:27

Tgt Ion: 75 Resp: 188316

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

