

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078267.D
 Acq On : 16 Jun 2023 18:05
 Operator : JC\MD
 Sample : 03282-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-NEX-002-G

Quant Time: Jun 17 02:27:22 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)

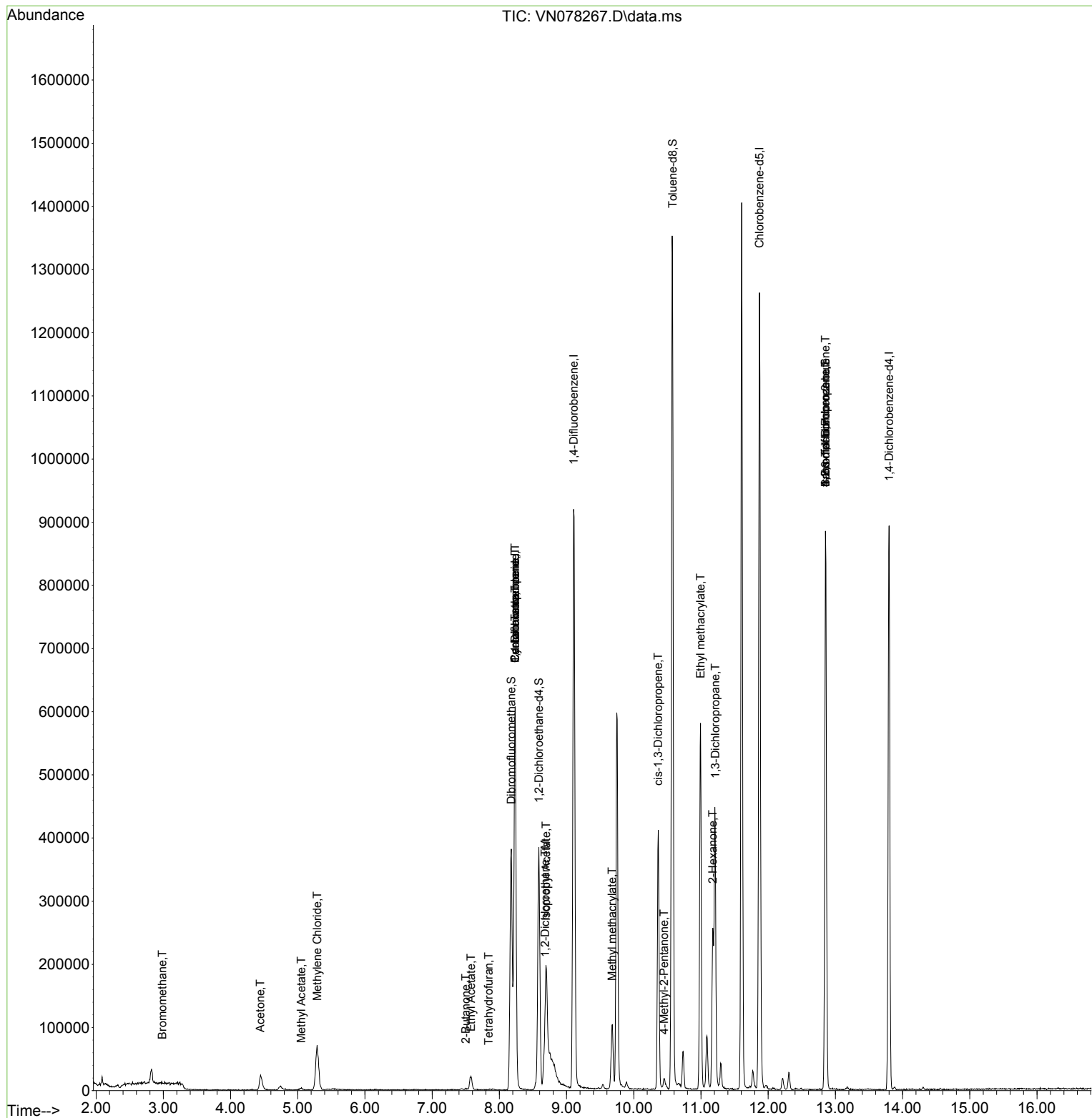
Internal Standards						
1) Pentafluorobenzene	8.235	168	429466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	820747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	742474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	243489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307742	53.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.480%	
35) Dibromofluoromethane	8.177	113	274790	52.951	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.900%	
50) Toluene-d8	10.576	98	978021	48.886	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	12.853	95	308183	49.552	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.100%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1117	Below Cal	#	42
5) Bromomethane	2.983	94	1590	0.331	ug/l	97
16) Acetone	4.442	43	41622	25.253	ug/l	94
18) Methyl Acetate	5.053	43	5933	0.782	ug/l #	50
20) Methylene Chloride	5.289	84	55294	10.152	ug/l	93
25) 2-Butanone	7.500	43	2780	1.097	ug/l	95
29) Tetrahydrofuran	7.841	42	346	0.204	ug/l #	20
31) Cyclohexane	8.235	56	11404	1.553	ug/l #	43
36) 1,1-Dichloropropene	8.235	75	36670	4.926	ug/l #	48
37) Ethyl Acetate	7.577	43	30331	5.216	ug/l #	91
38) Carbon Tetrachloride	8.235	117	45464	5.784	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1602	0.210	ug/l #	73
43) Isopropyl Acetate	8.694	43	290591	26.130	ug/l #	68
48) Methyl methacrylate	9.676	41	6455	1.383	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	15667	2.675	ug/l #	78
54) cis-1,3-Dichloropropene	10.365	75	74579	8.564	ug/l #	73
56) Ethyl methacrylate	10.994	69	2538	0.328	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	4779	0.533	ug/l #	42
59) 2-Hexanone	11.176	43	250183	61.355	ug/l #	19
71) Bromoform	12.853	173	2269	0.601	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.982	83	170	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	166037	28.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	166037	88.621	ug/l #	15

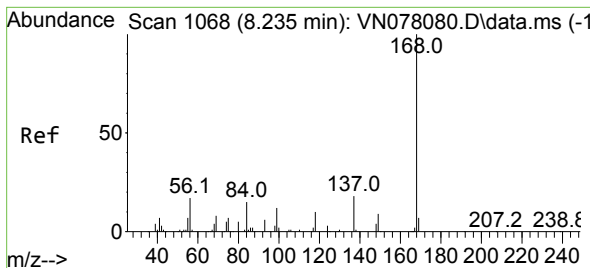
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1068

Delta R.T. 0.000 min

Lab File: VN078267.D

Acq: 16 Jun 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

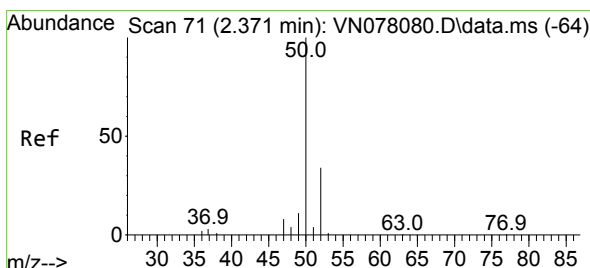
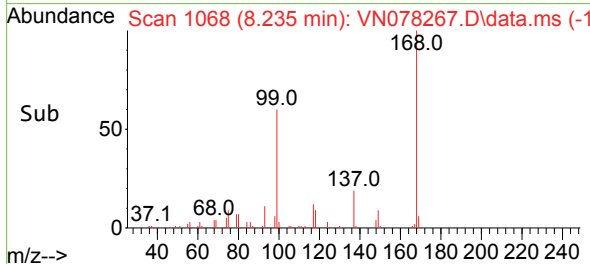
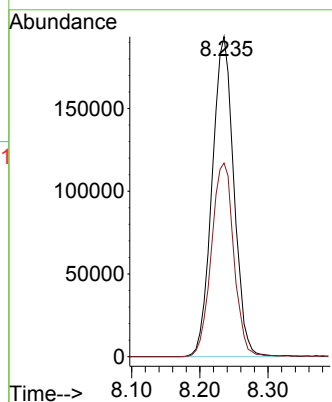
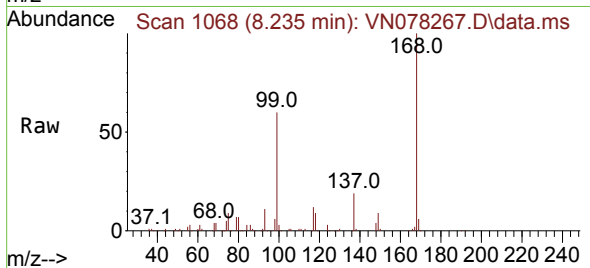
WC-NEX-002-G

Tgt Ion:168 Resp: 429466

Ion Ratio Lower Upper

168 100

99 60.5 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078267.D

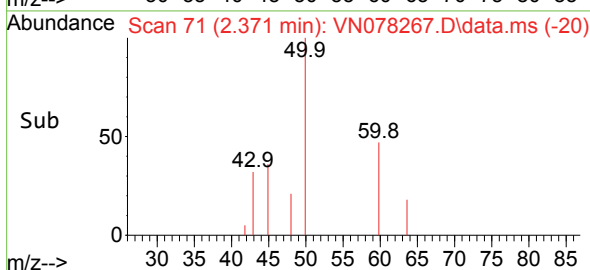
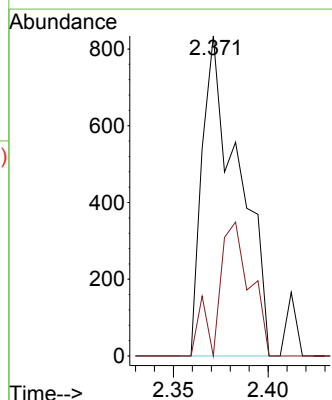
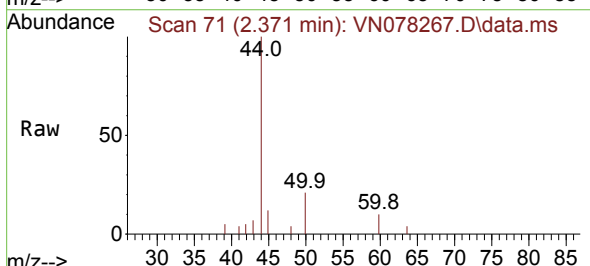
Acq: 16 Jun 2023 18:05

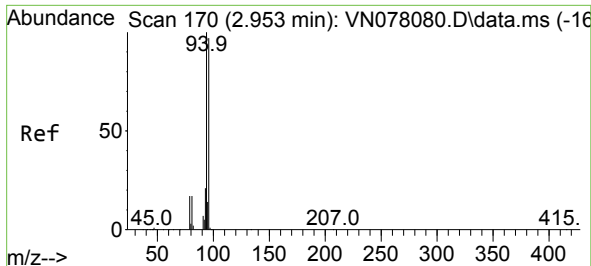
Tgt Ion: 50 Resp: 1117

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

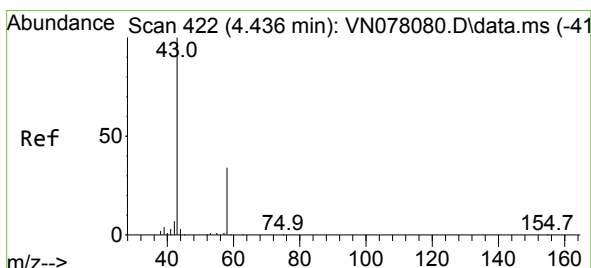
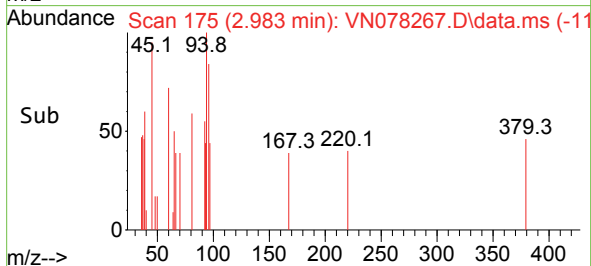
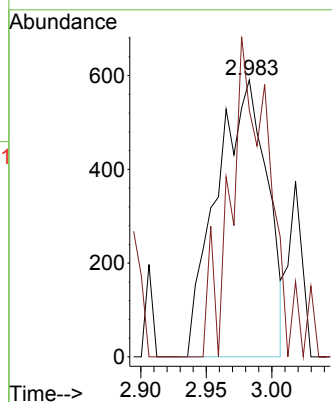
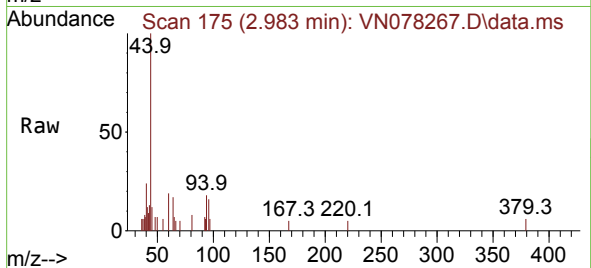




#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

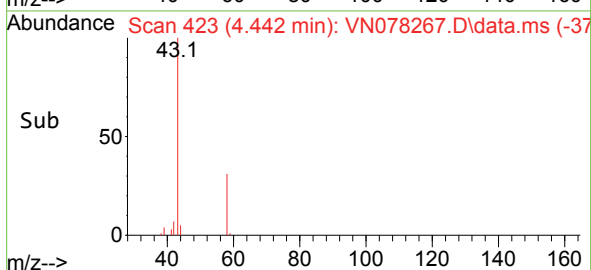
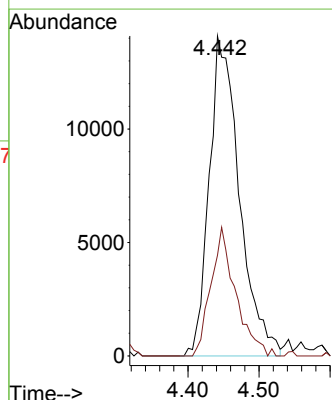
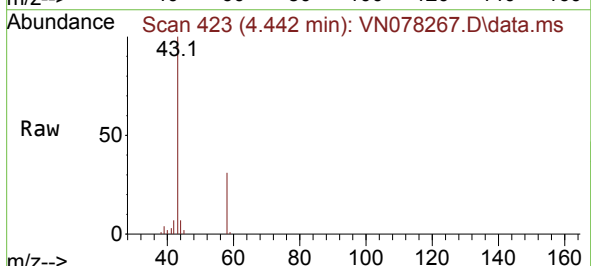
Instrument :
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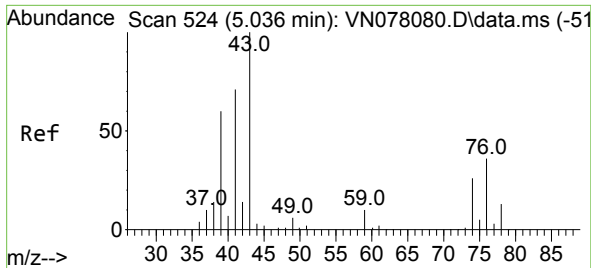
Tgt Ion: 94 Resp: 1590
Ion Ratio Lower Upper
94 100
96 89.0 73.1 109.7



#16
Acetone
Concen: 25.253 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 43 Resp: 41622
Ion Ratio Lower Upper
43 100
58 31.5 28.0 42.0

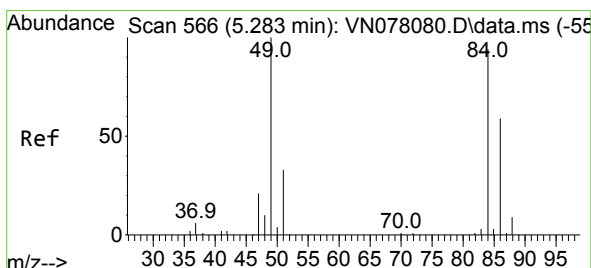
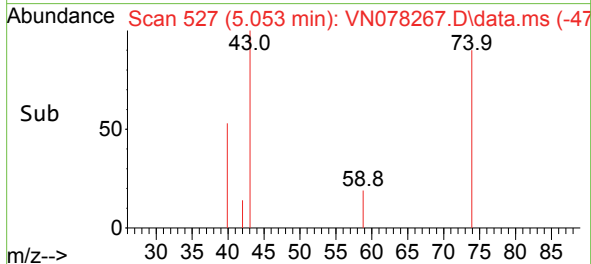
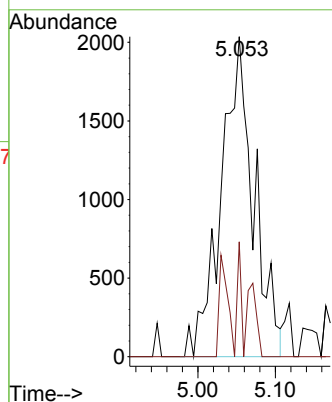
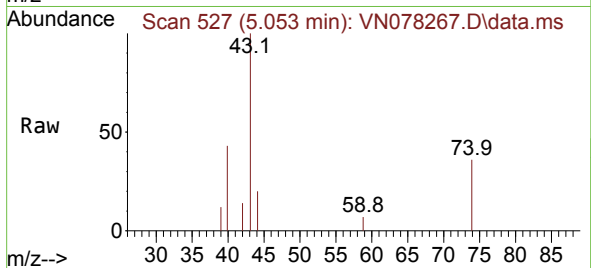




#18
Methyl Acetate
Concen: 0.782 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

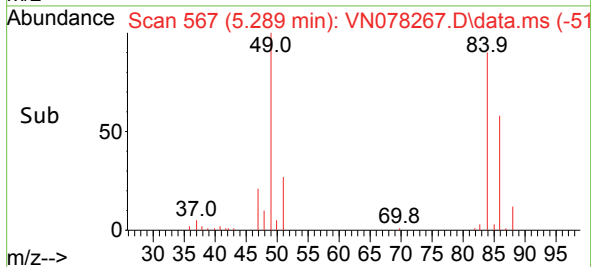
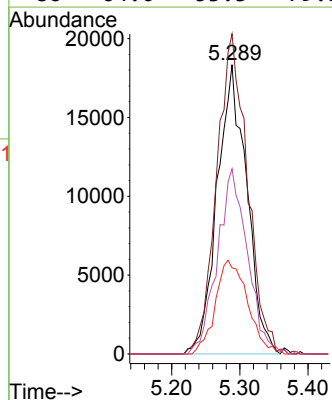
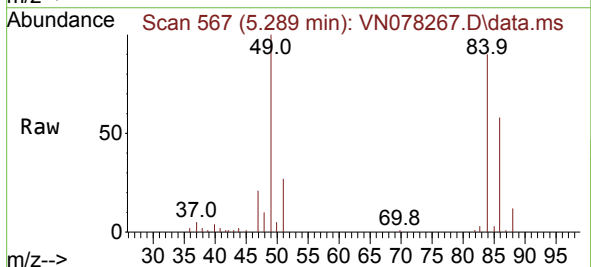
Instrument :
MSVOA_N
ClientSampleId :
WC-NEX-002-G

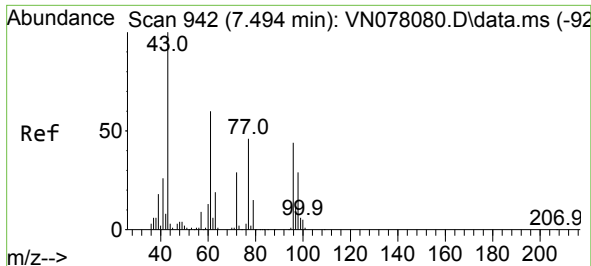
Tgt Ion: 43 Resp: 5933
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#



#20
Methylene Chloride
Concen: 10.152 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 84 Resp: 55294
Ion Ratio Lower Upper
84 100
49 110.6 79.7 119.5
51 29.8 25.2 37.8
86 64.0 53.3 79.9

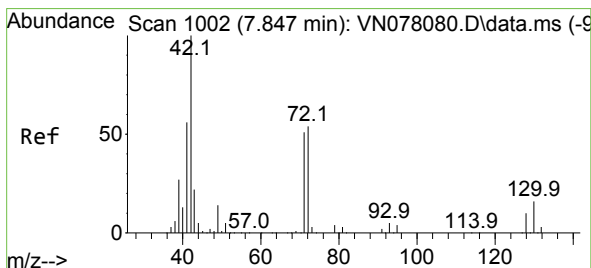
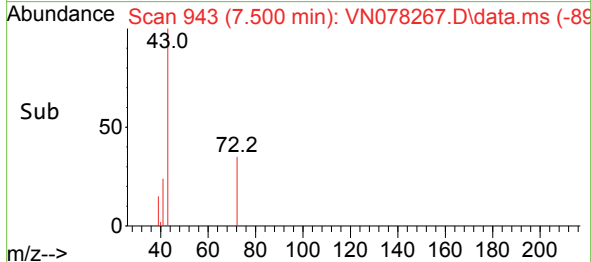
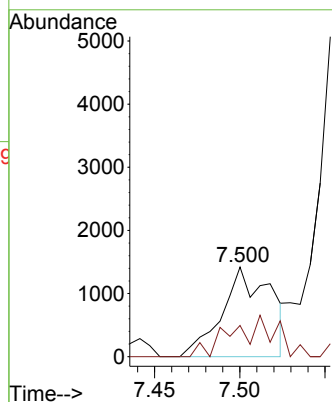
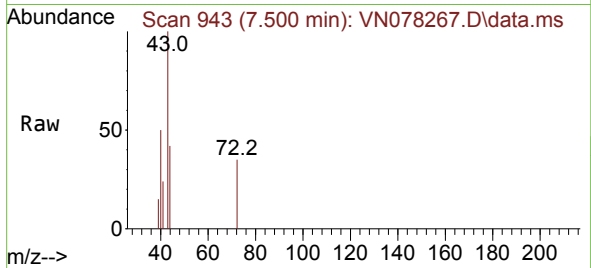




#25
2-Butanone
Concen: 1.097 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

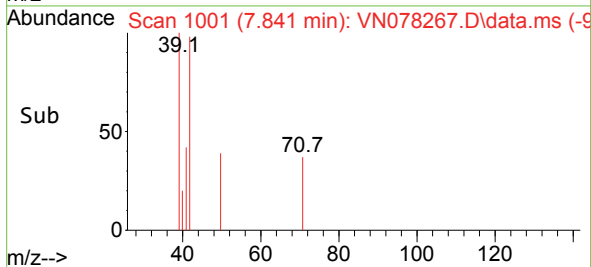
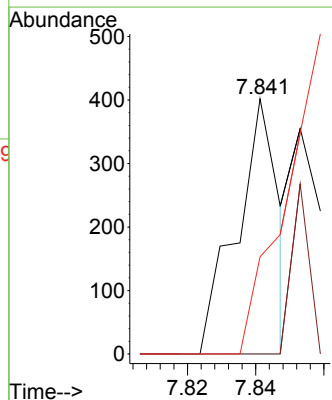
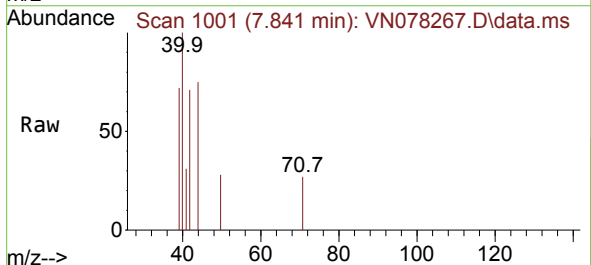
Instrument :
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WC-NEX-002-G

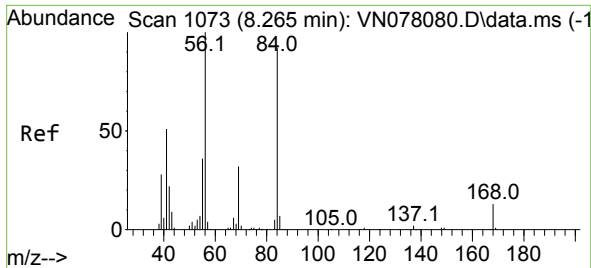
Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
72 34.9 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 42 Resp: 346
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

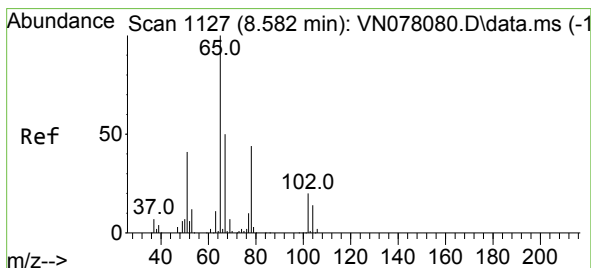
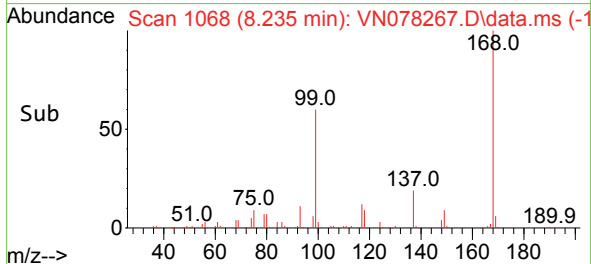
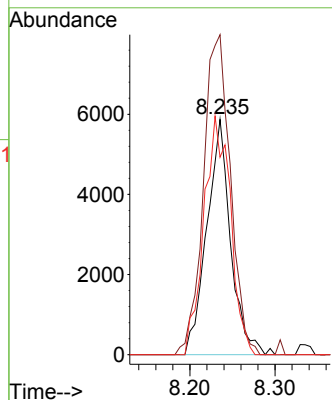
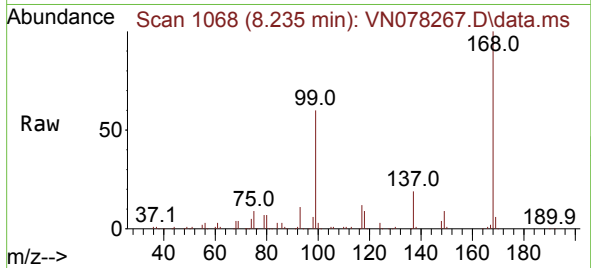




#31
Cyclohexane
Concen: 1.553 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

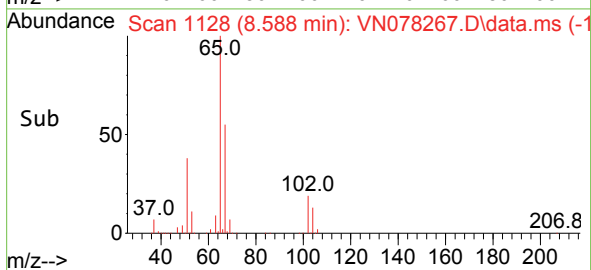
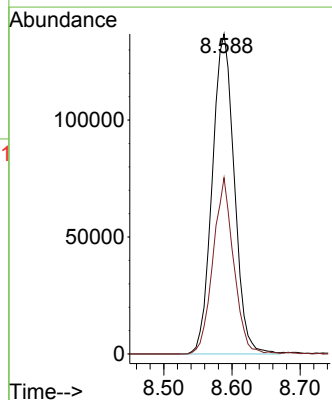
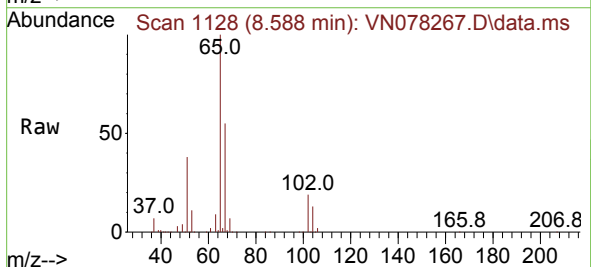
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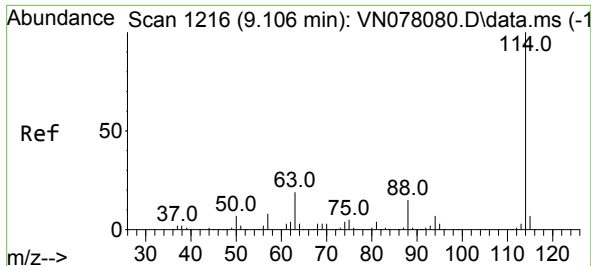
Tgt Ion: 56 Resp: 11404
Ion Ratio Lower Upper
56 100
69 132.7 26.8 40.2#
84 83.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.744 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 65 Resp: 307742
Ion Ratio Lower Upper
65 100
67 51.7 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: VN078267.D

Acq: 16 Jun 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

WC-NEX-002-G

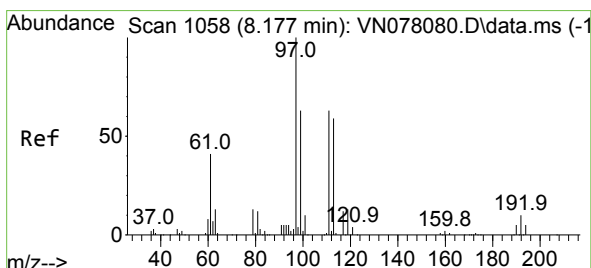
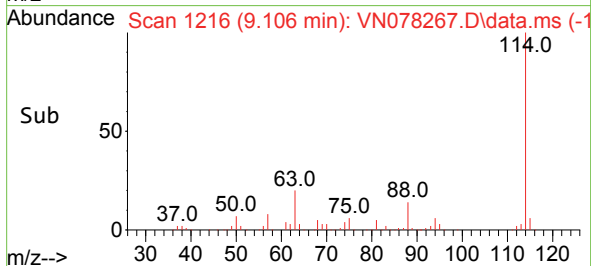
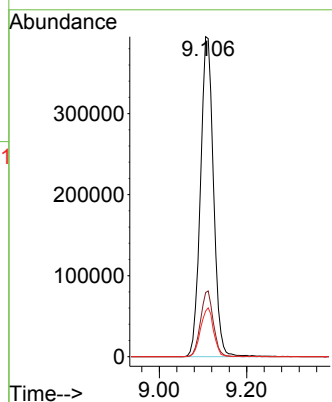
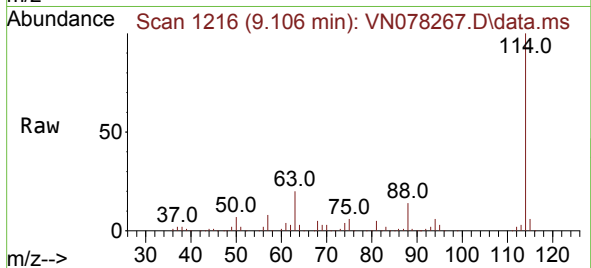
Tgt Ion:114 Resp: 820747

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.951 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078267.D

Acq: 16 Jun 2023 18:05

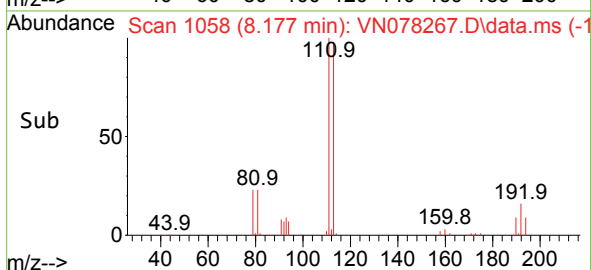
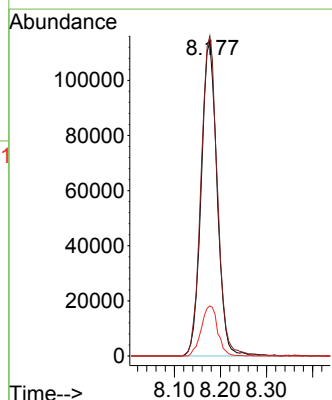
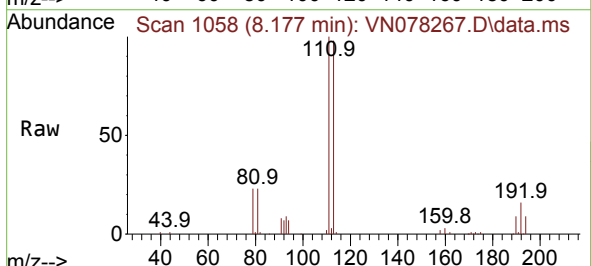
Tgt Ion:113 Resp: 274790

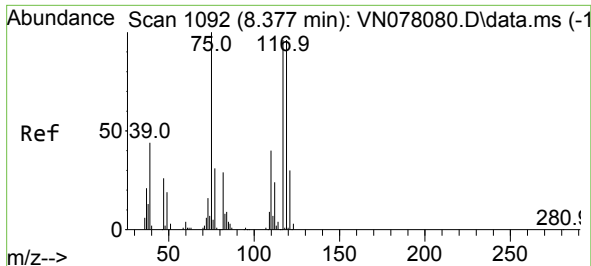
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 16.4 12.7 19.1

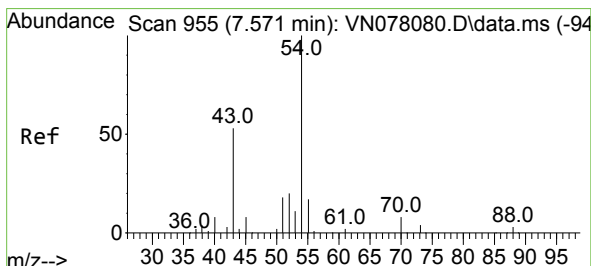
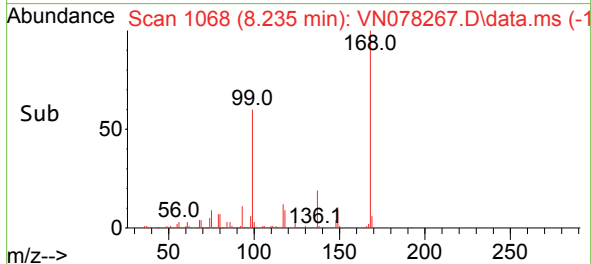
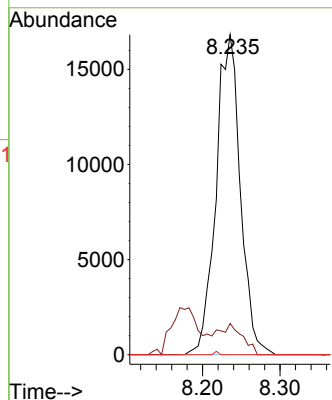
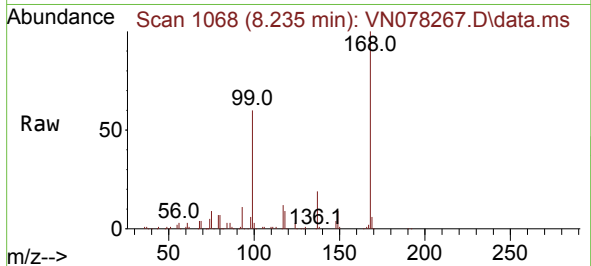




#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

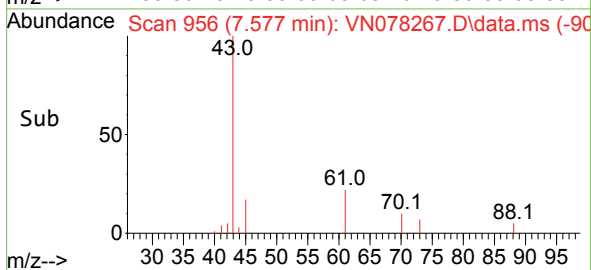
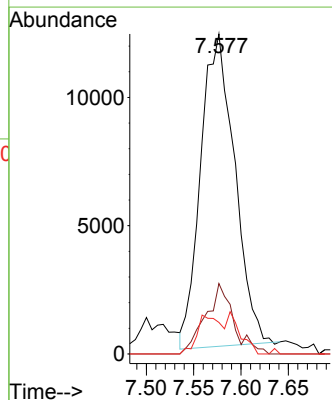
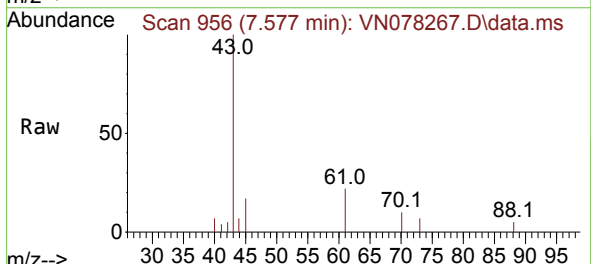
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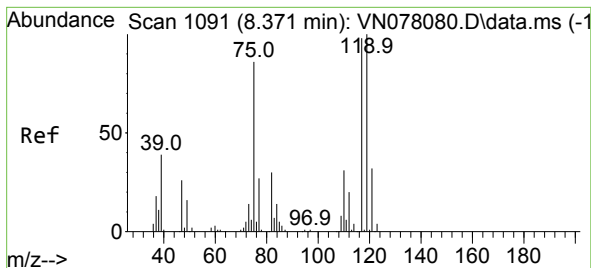
Tgt Ion: 75 Resp: 36670
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.2 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.216 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 43 Resp: 30331
Ion Ratio Lower Upper
43 100
61 18.6 13.2 19.8
70 8.9 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.784 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078267.D

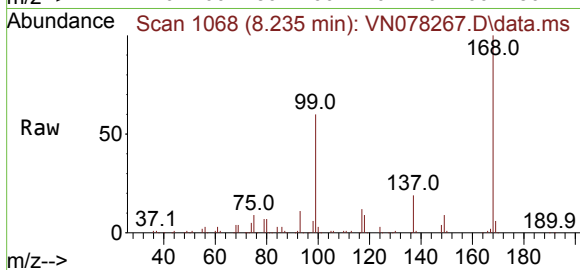
Acq: 16 Jun 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

WC-NEX-002-G



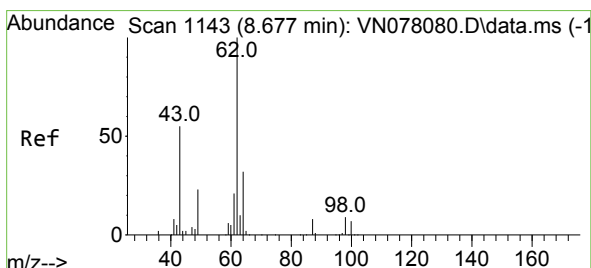
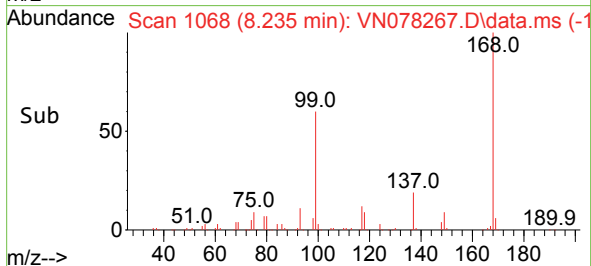
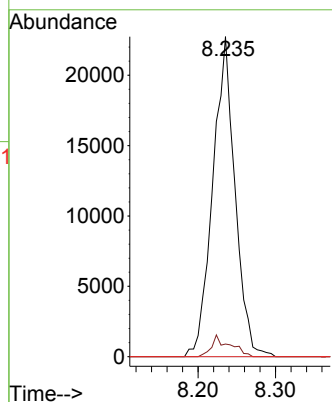
Tgt Ion:117 Resp: 45464

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.210 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078267.D

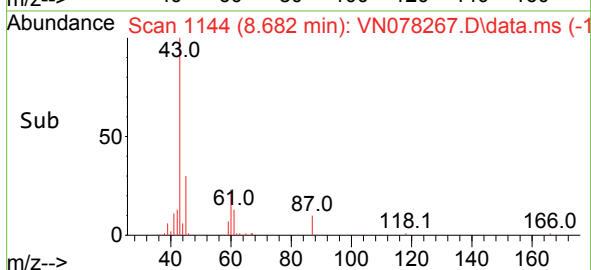
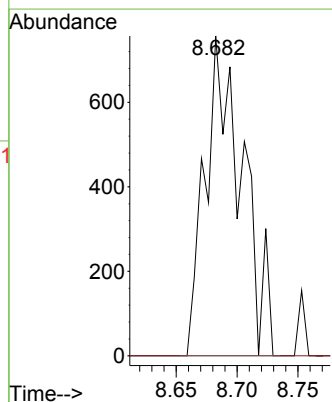
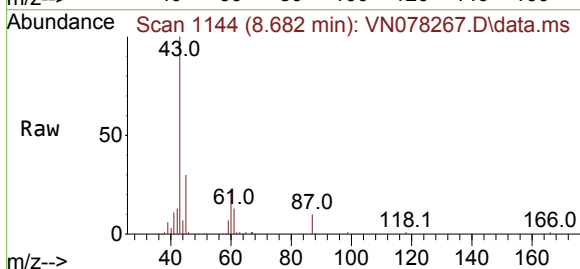
Acq: 16 Jun 2023 18:05

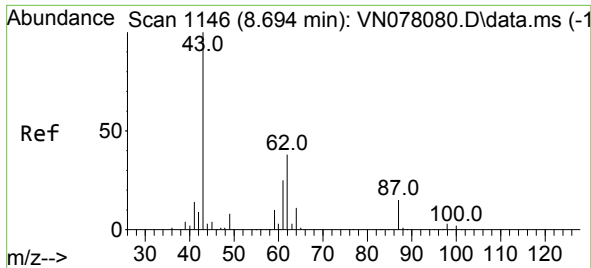
Tgt Ion: 62 Resp: 1602

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

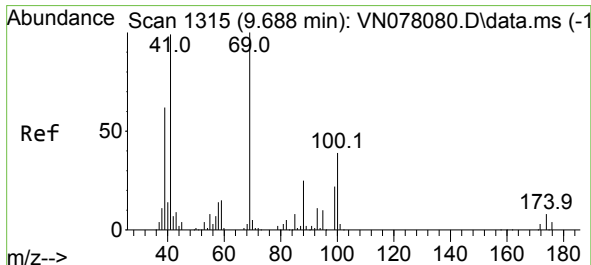
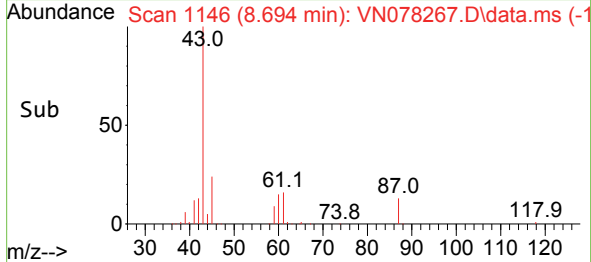
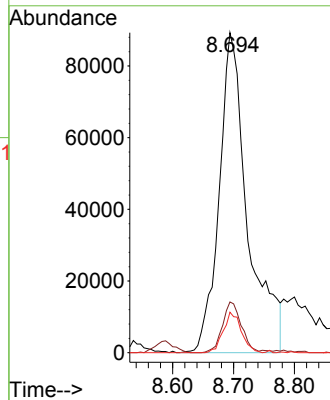
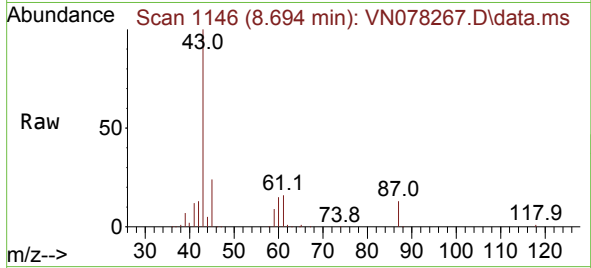




#43
Isopropyl Acetate
Concen: 26.130 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

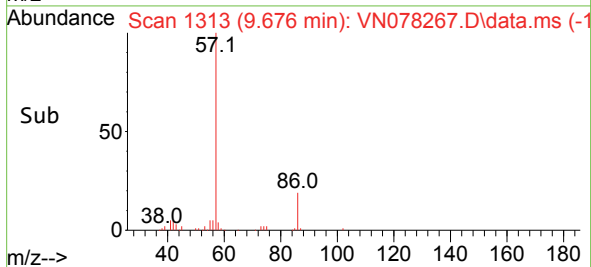
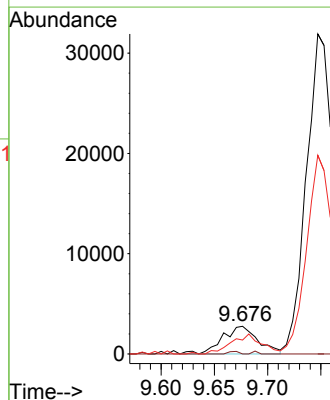
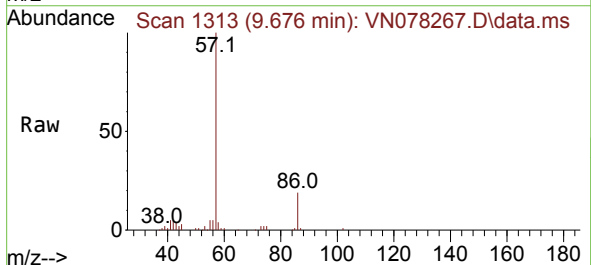
Instrument :
MSVOA_N
ClientSampleId :
WC-NEX-002-G

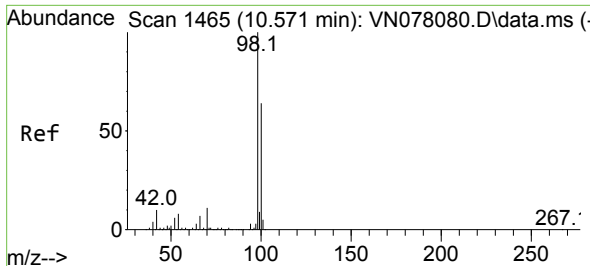
Tgt Ion: 43 Resp: 290591
Ion Ratio Lower Upper
43 100
61 10.5 24.7 37.1#
87 8.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.383 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 41 Resp: 6455
Ion Ratio Lower Upper
41 100
69 1.6 90.4 135.6#
39 61.0 54.6 81.8

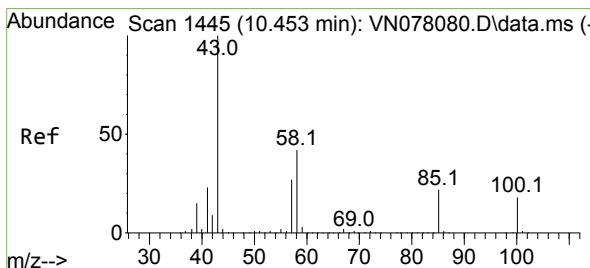
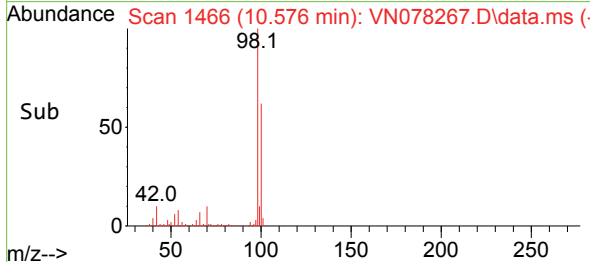
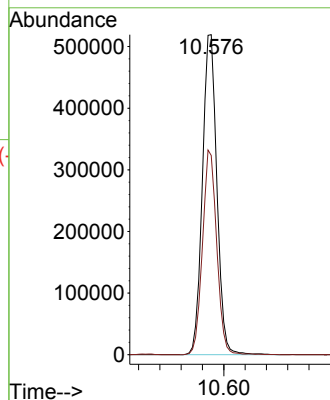
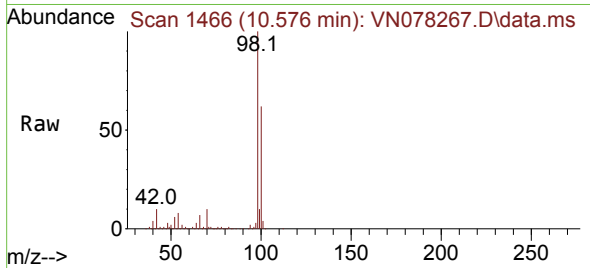




#50
Toluene-d8
Concen: 48.886 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

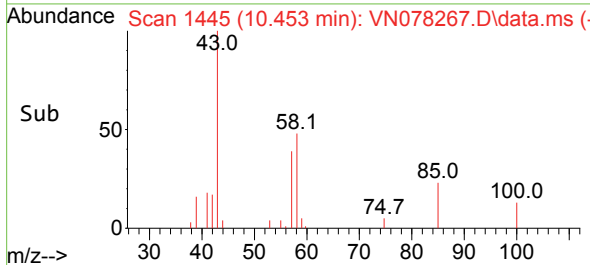
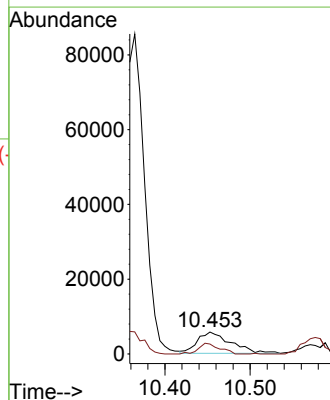
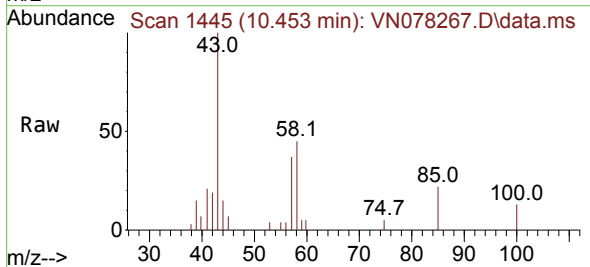
Instrument :
MSVOA_N
ClientSampleId :
WC-NEX-002-G

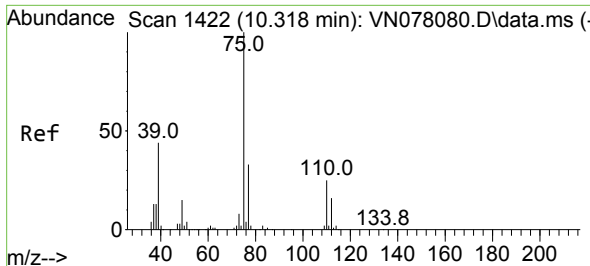
Tgt Ion: 98 Resp: 978021
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.675 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 43 Resp: 15667
Ion Ratio Lower Upper
43 100
58 31.1 36.6 54.8#

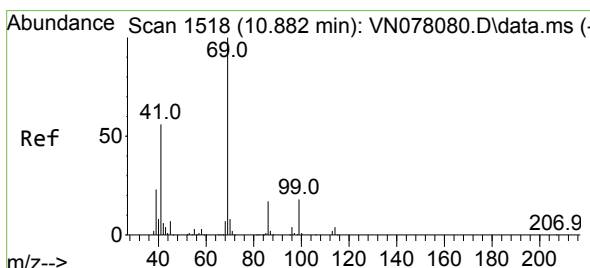
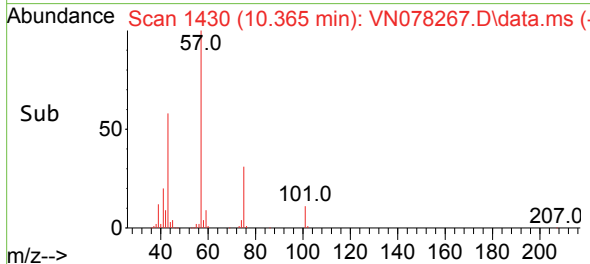
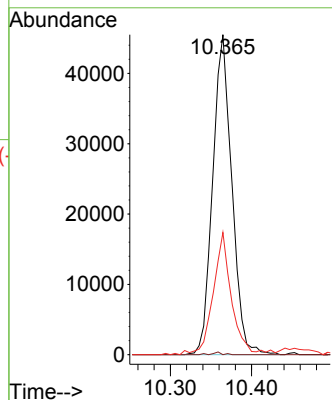
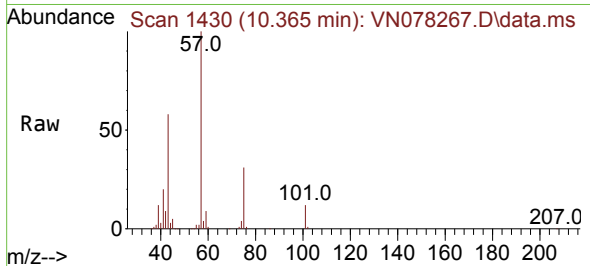




#54
 cis-1,3-Dichloropropene
 Concen: 8.564 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078267.D
 Acq: 16 Jun 2023 18:05

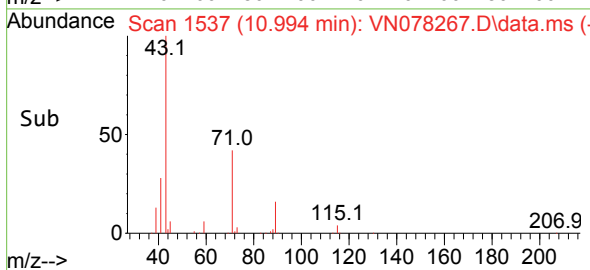
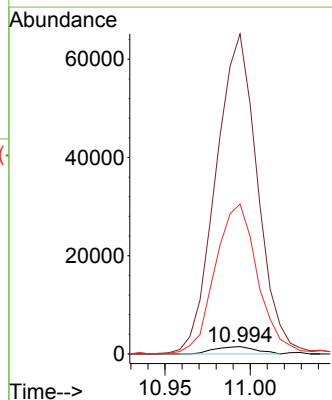
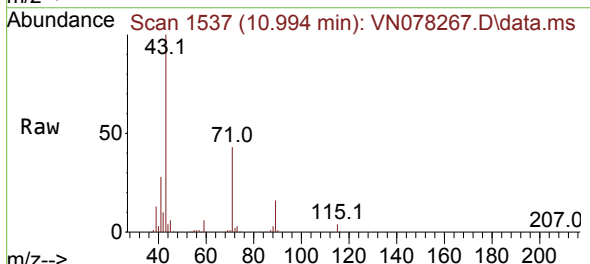
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-NEX-002-G

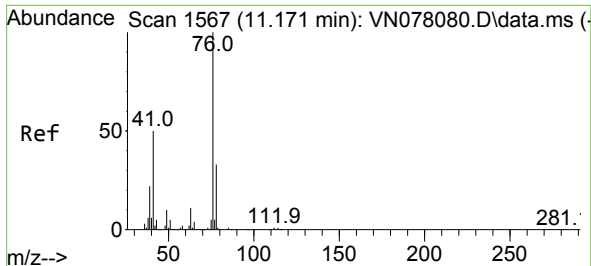
Tgt Ion: 75 Resp: 74579
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 38.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.328 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN078267.D
 Acq: 16 Jun 2023 18:05

Tgt Ion: 69 Resp: 2538
 Ion Ratio Lower Upper
 69 100
 41 4390.9 39.6 59.4#
 39 2114.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.533 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.041 min

Lab File: VN078267.D

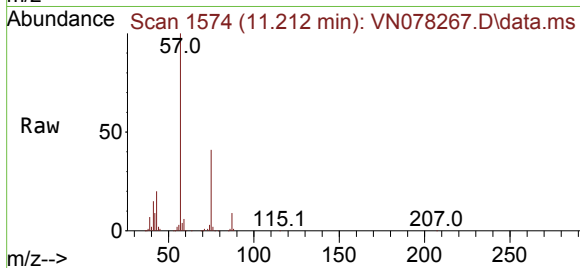
Acq: 16 Jun 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

WC-NEX-002-G

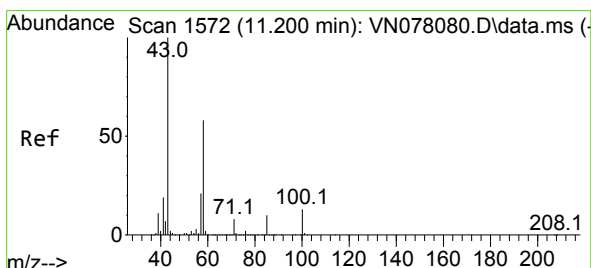
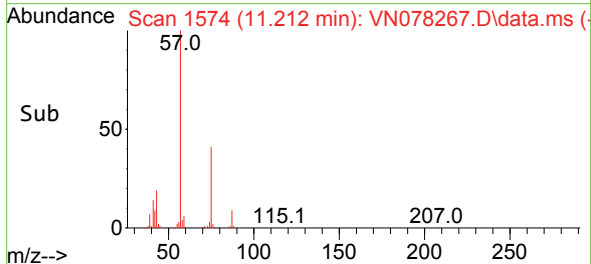
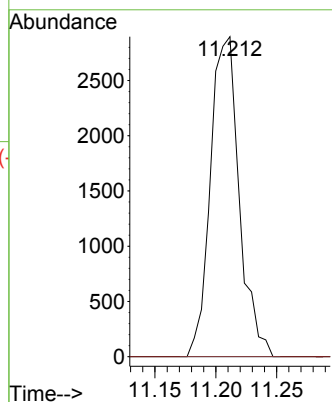


Tgt Ion: 76 Resp: 4779

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 61.355 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078267.D

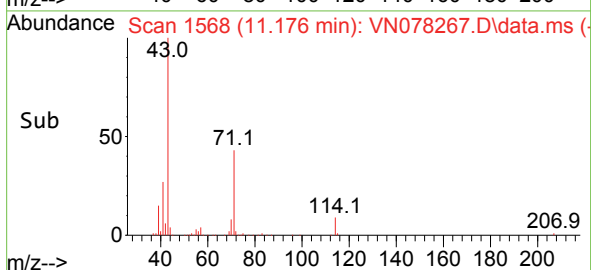
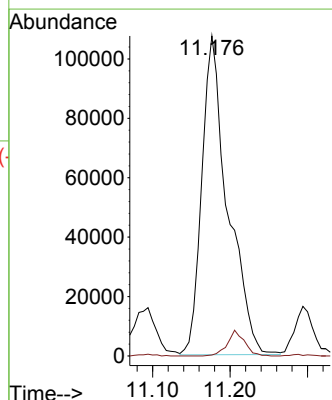
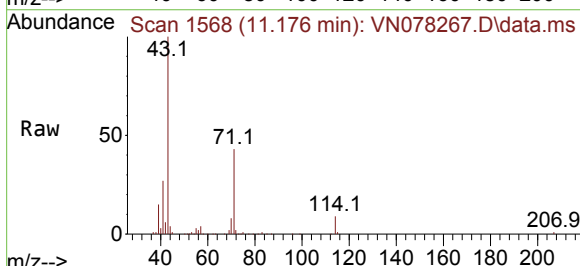
Acq: 16 Jun 2023 18:05

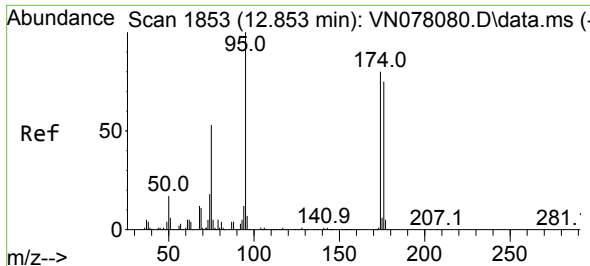
Tgt Ion: 43 Resp: 250183

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

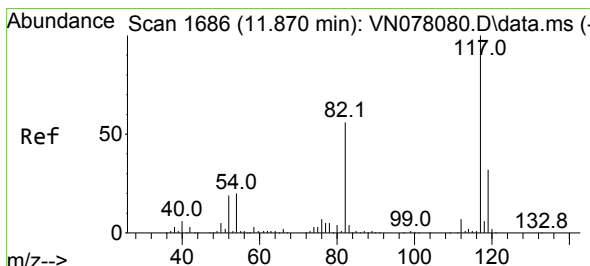
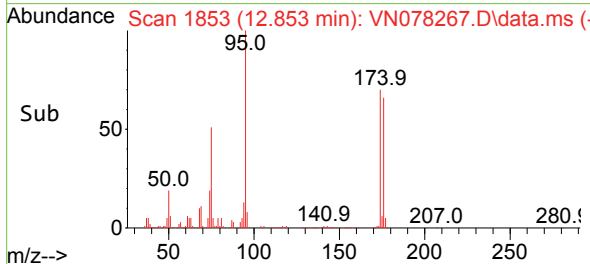
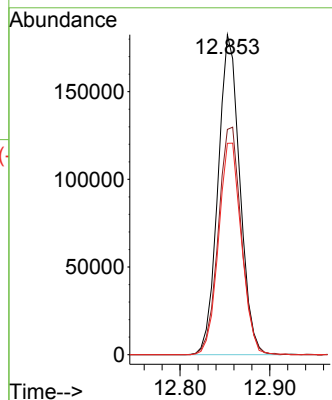
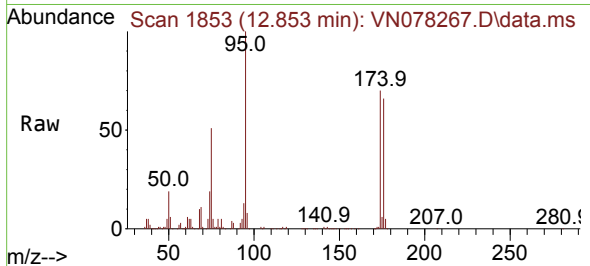




#62
4-Bromofluorobenzene
Concen: 49.552 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

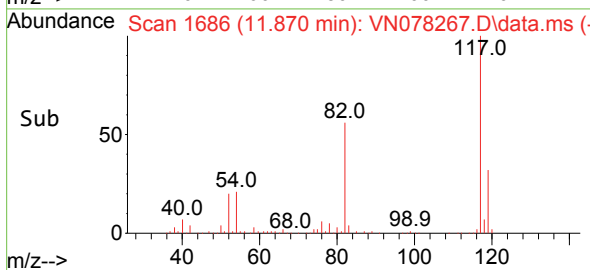
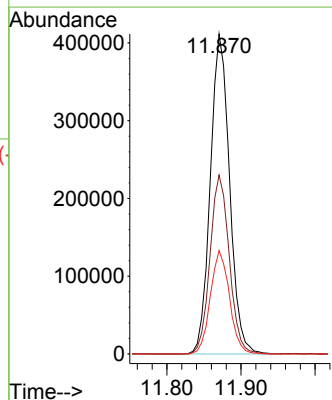
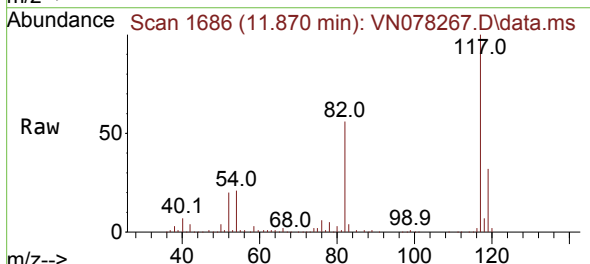
Instrument :
MSVOA_N
ClientSampleId :
WC-NEX-002-G

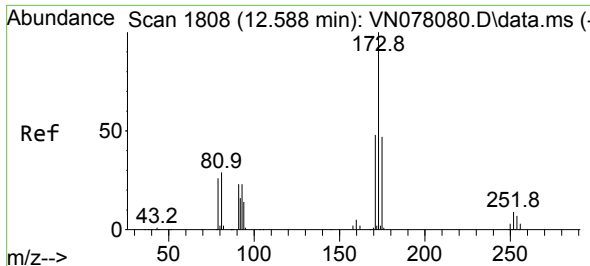
Tgt Ion: 95 Resp: 308183
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 69.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion: 117 Resp: 742474
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 32.3 25.6 38.4

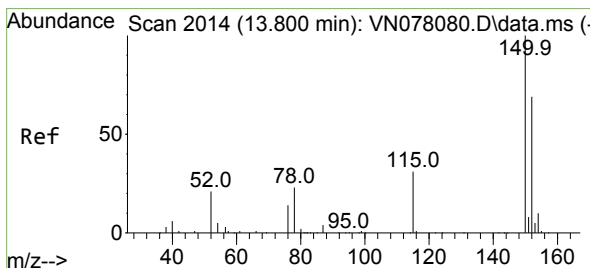
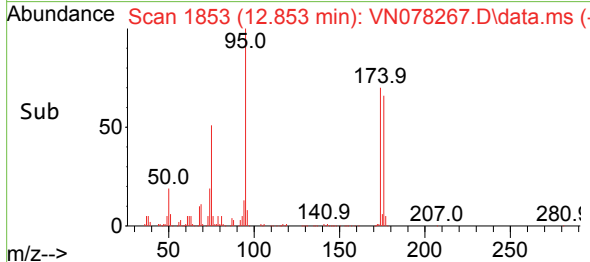
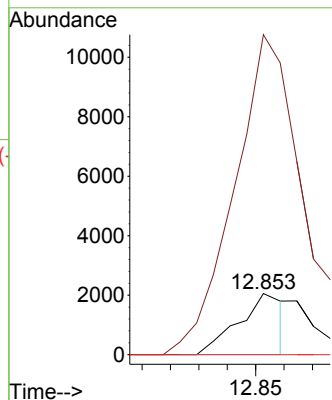
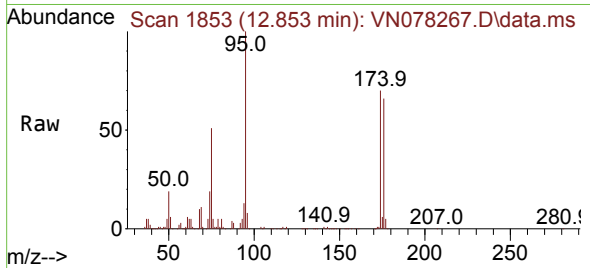




#71
Bromoform
Concen: 0.601 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

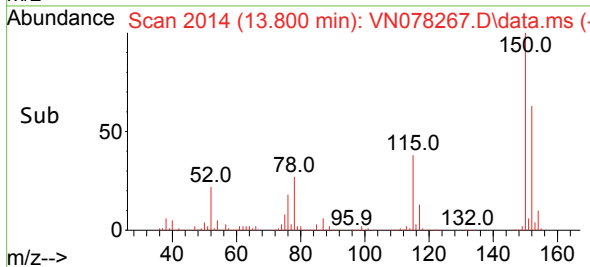
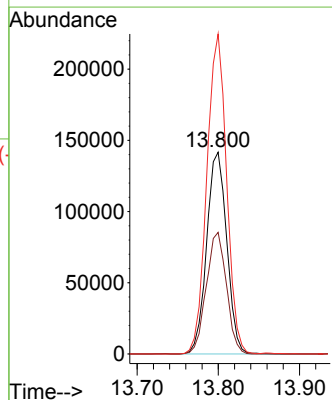
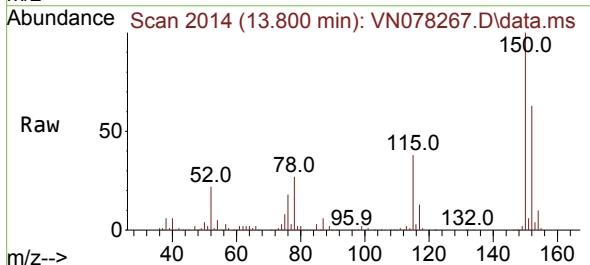
Instrument :
MSVOA_N
ClientSampleId :
WC-NEX-002-G

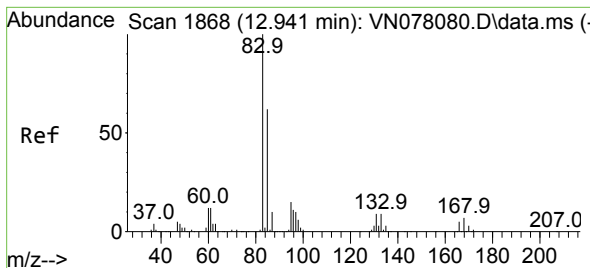
Tgt Ion:173 Resp: 2269
Ion Ratio Lower Upper
173 100
175 679.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078267.D
Acq: 16 Jun 2023 18:05

Tgt Ion:152 Resp: 243489
Ion Ratio Lower Upper
152 100
115 60.4 32.3 96.8
150 155.8 0.0 355.8

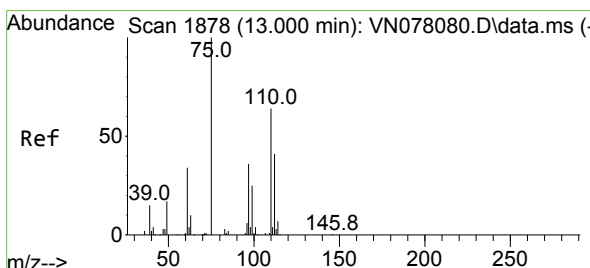
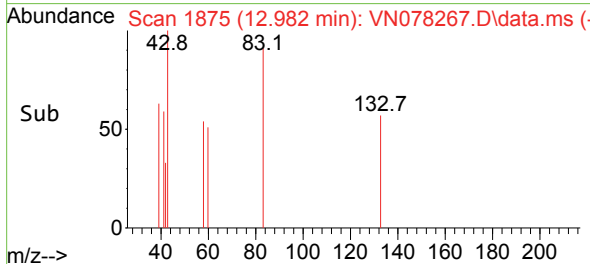
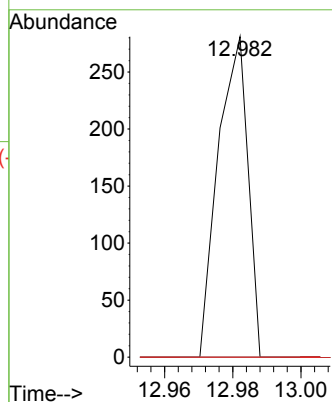
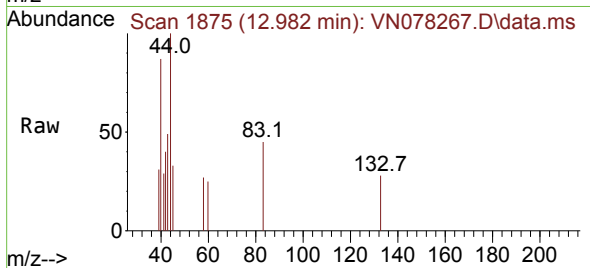




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.982 min Scan# 1875
 Delta R.T. 0.041 min
 Lab File: VN078267.D
 Acq: 16 Jun 2023 18:05

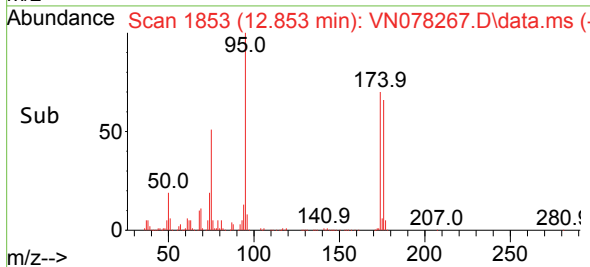
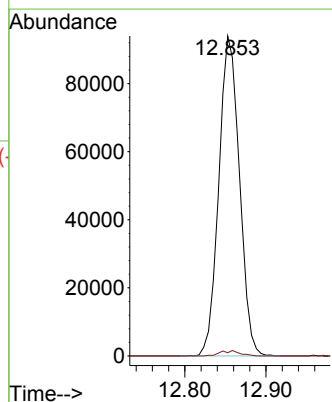
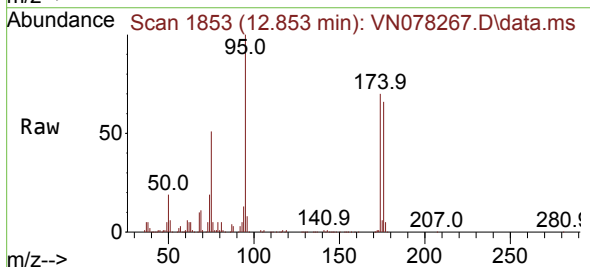
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-NEX-002-G

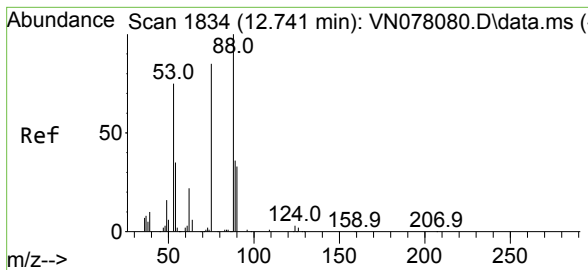
Tgt Ion: 83 Resp: 170
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 28.845 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078267.D
 Acq: 16 Jun 2023 18:05

Tgt Ion: 75 Resp: 166037
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.621 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078267.D
 Acq: 16 Jun 2023 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-NEX-002-G

Tgt Ion: 75 Resp: 166037
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

