

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078291.D
 Acq On : 19 Jun 2023 20:15
 Operator : JC\MD
 Sample : 03320-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14

Quant Time: Jun 20 01:35:07 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)

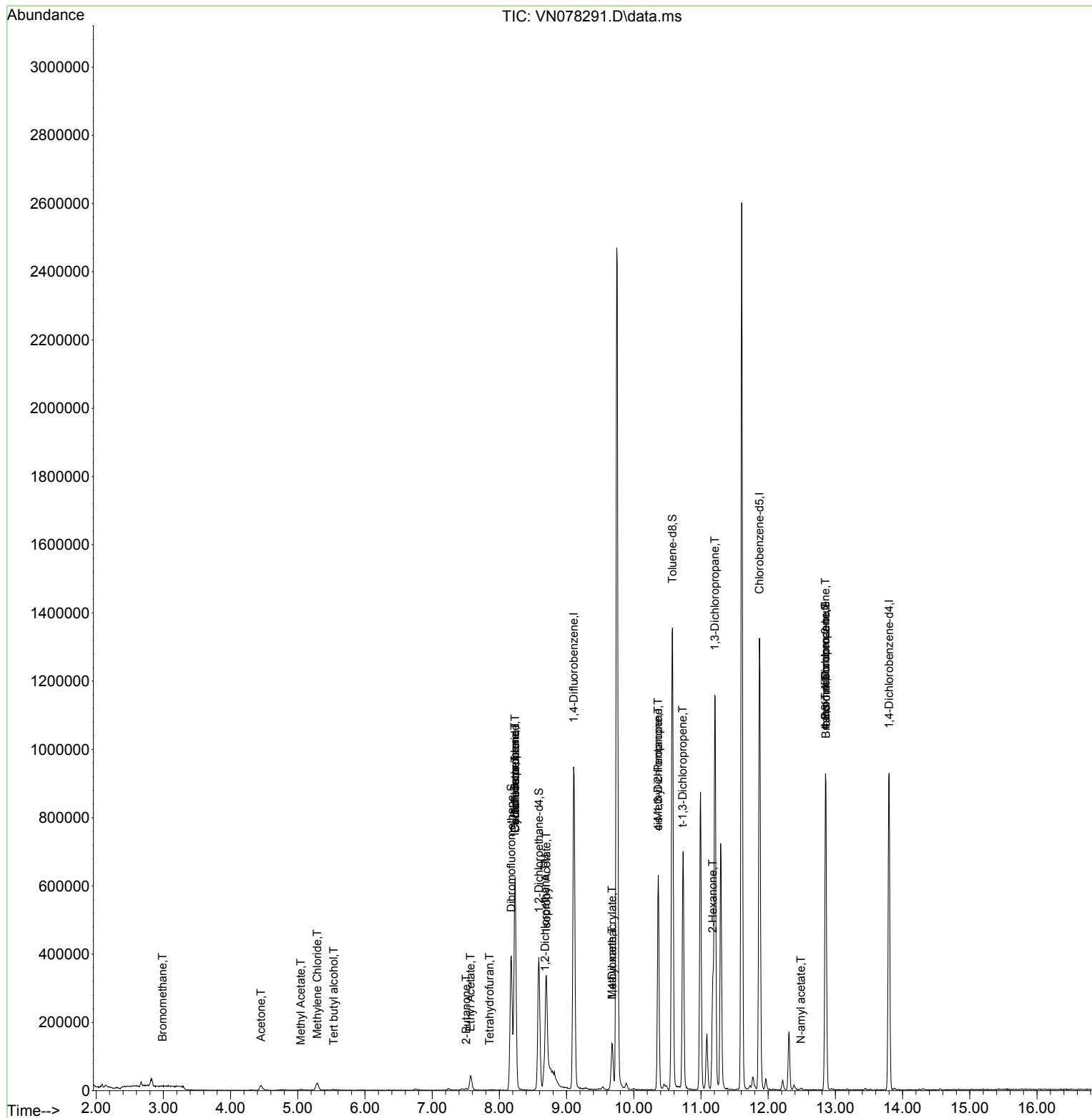
Internal Standards						
1) Pentafluorobenzene	8.235	168	441920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	844247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	786570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	252621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	315711	53.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.160%	
35) Dibromofluoromethane	8.177	113	287233	53.808	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.620%	
50) Toluene-d8	10.576	98	980268	47.635	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	12.853	95	331649	51.841	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1139	Below Cal		92
5) Bromomethane	2.989	94	1886	0.382	ug/l	94
11) Tert butyl alcohol	5.536	59	1708	2.099	ug/l #	72
16) Acetone	4.453	43	27002	15.921	ug/l	98
18) Methyl Acetate	5.047	43	2491	0.319	ug/l #	83
20) Methylene Chloride	5.289	84	16998	3.033	ug/l	90
25) 2-Butanone	7.506	43	8505	3.261	ug/l #	71
29) Tetrahydrofuran	7.853	42	539	0.309	ug/l #	41
31) Cyclohexane	8.235	56	10888	1.441	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	39751	5.192	ug/l #	49
37) Ethyl Acetate	7.571	43	62333	10.421	ug/l	96
38) Carbon Tetrachloride	8.235	117	46486	5.750	ug/l #	14
42) 1,2-Dichloroethane	8.682	62	2905	0.371	ug/l	80
43) Isopropyl Acetate	8.700	43	464354	40.593	ug/l #	73
48) Methyl methacrylate	9.677	41	7877	1.641	ug/l #	35
49) 1,4-Dioxane	9.677	88	98	0.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	220801	36.655	ug/l #	41
53) t-1,3-Dichloropropene	10.729	75	2055	0.254	ug/l #	60
54) cis-1,3-Dichloropropene	10.365	75	115316	12.873	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	13348	1.448	ug/l #	42
59) 2-Hexanone	11.176	43	249288	59.434	ug/l #	19
71) Bromoform	12.859	173	1658	0.415	ug/l #	1
74) N-amyl acetate	12.488	43	4800	0.610	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.853	83	426	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	180038	30.147	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	180038	92.620	ug/l #	15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
Data File : VN078291.D
Acq On : 19 Jun 2023 20:15
Operator : JC\MD
Sample : 03320-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-14

Quant Time: Jun 20 01:35:07 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

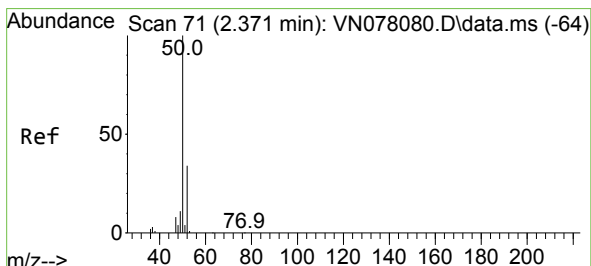
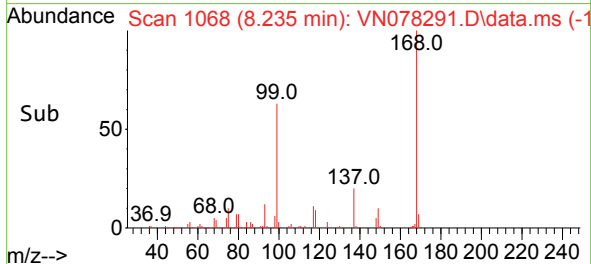
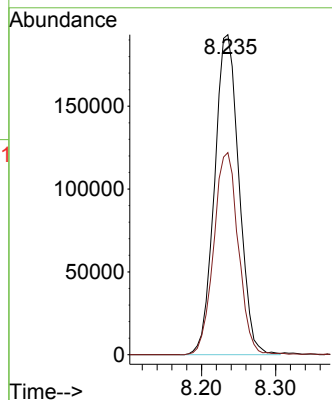
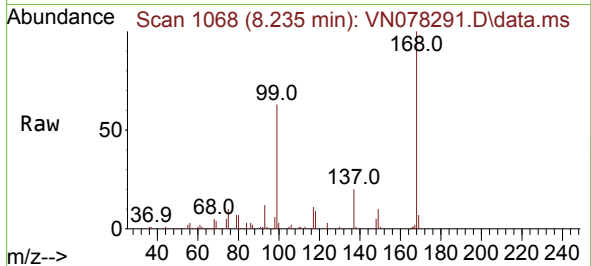




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

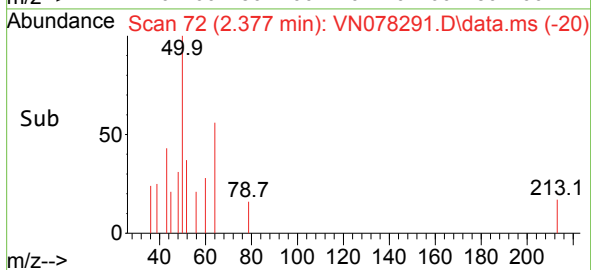
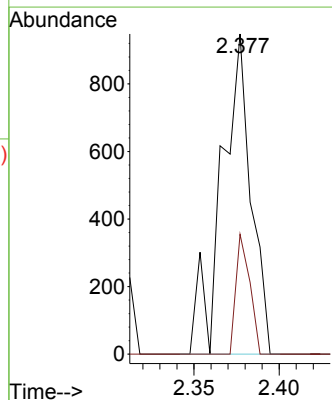
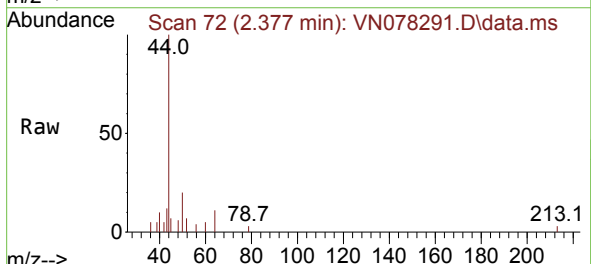
Instrument :
MSVOA_N
ClientSampleId :
WC-14

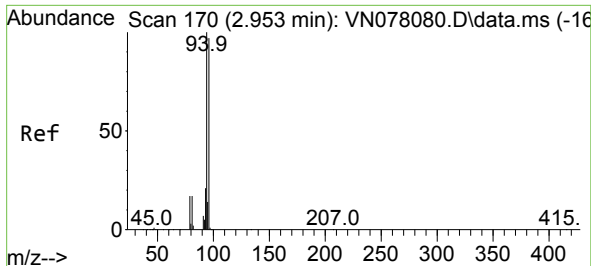
Tgt Ion:168 Resp: 441920
Ion Ratio Lower Upper
168 100
99 63.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 50 Resp: 1139
Ion Ratio Lower Upper
50 100
52 37.4 26.5 39.7

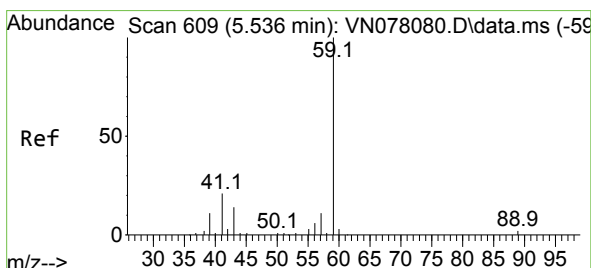
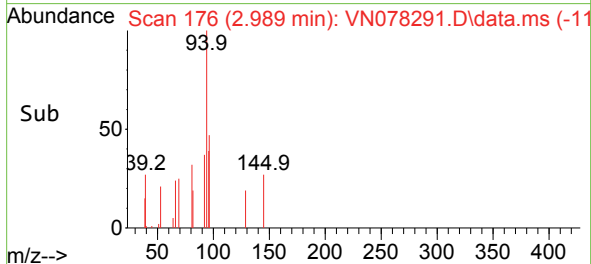
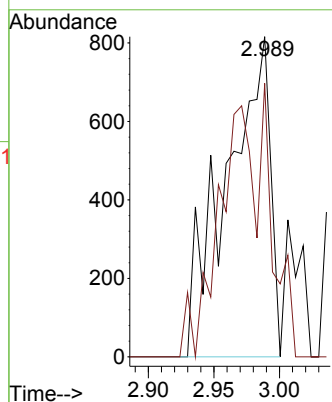
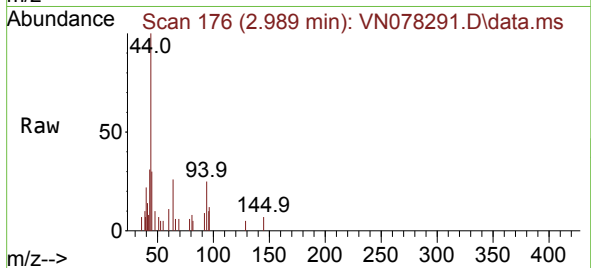




#5
Bromomethane
Concen: 0.382 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

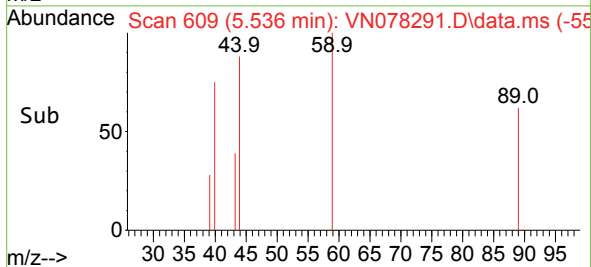
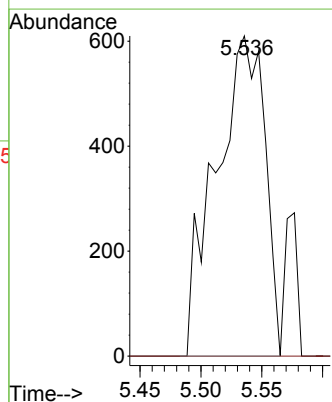
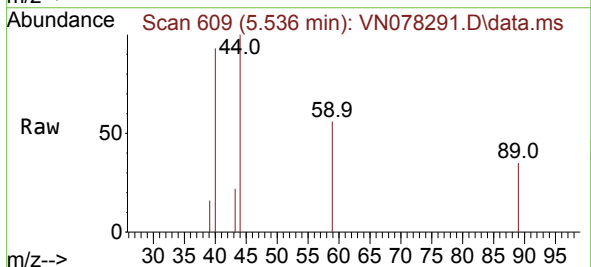
Instrument :
MSVOA_N
ClientSampleId :
WC-14

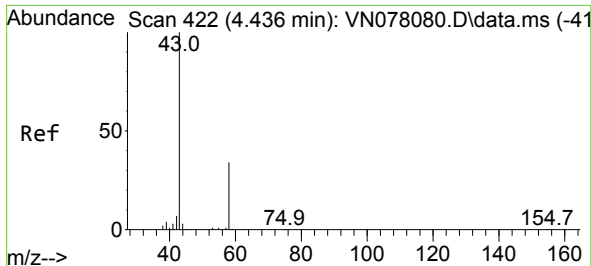
Tgt Ion: 94 Resp: 1886
Ion Ratio Lower Upper
94 100
96 85.4 73.1 109.7



#11
Tert butyl alcohol
Concen: 2.099 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 59 Resp: 1708
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

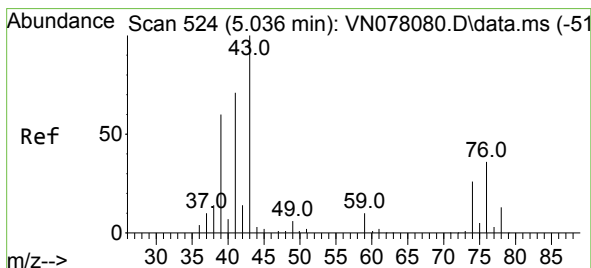
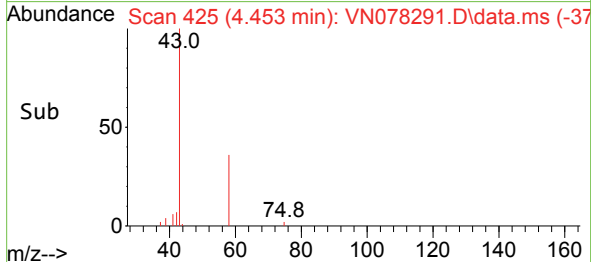
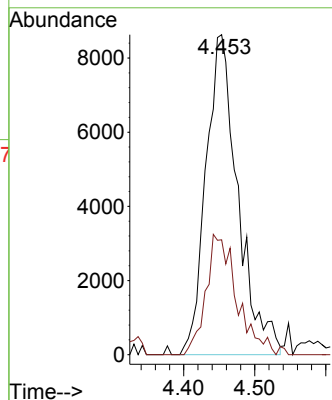
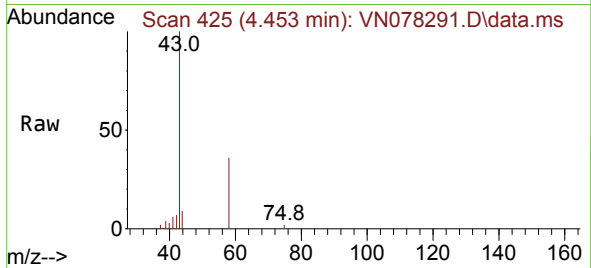




#16
Acetone
Concen: 15.921 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

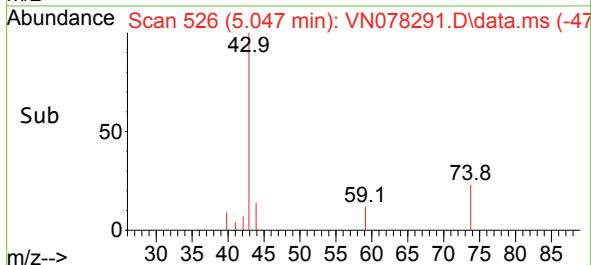
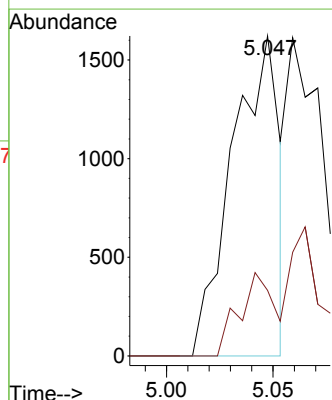
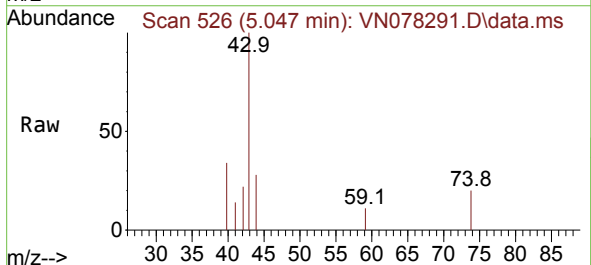
Instrument :
MSVOA_N
ClientSampleId :
WC-14

Tgt Ion: 43 Resp: 27002
Ion Ratio Lower Upper
43 100
58 35.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 43 Resp: 2491
Ion Ratio Lower Upper
43 100
74 42.6 26.2 39.4#

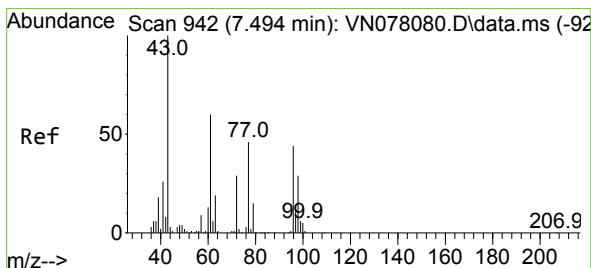
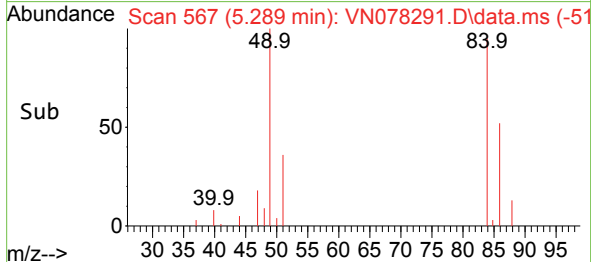
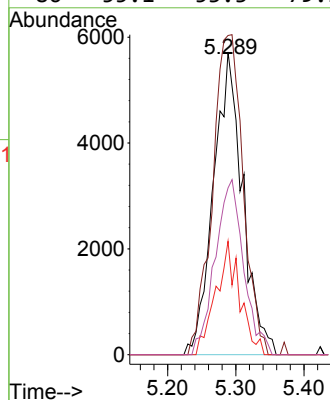
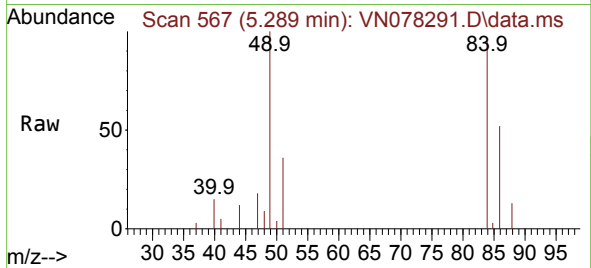




#20
Methylene Chloride
Concen: 3.033 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

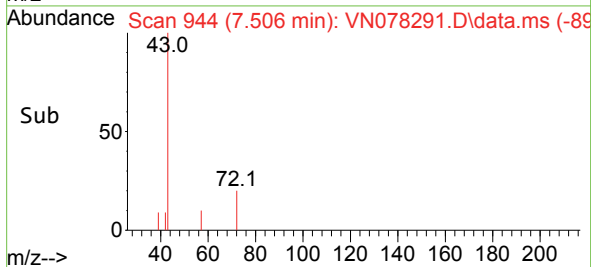
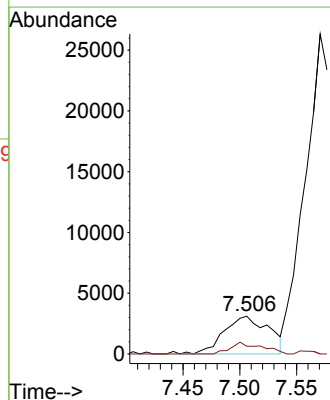
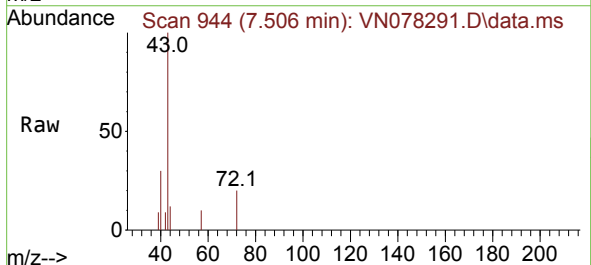
Instrument :
MSVOA_N
ClientSampleId :
WC-14

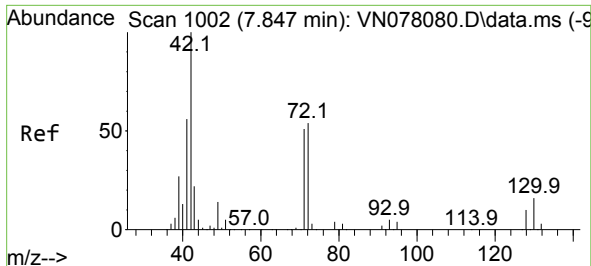
Tgt Ion: 84	Resp: 16998
Ion Ratio	Lower Upper
84 100	
49 105.4	79.7 119.5
51 37.5	25.2 37.8
86 55.1	53.3 79.9



#25
2-Butanone
Concen: 3.261 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 43	Resp: 8505
Ion Ratio	Lower Upper
43 100	
72 20.2	30.2 45.2#

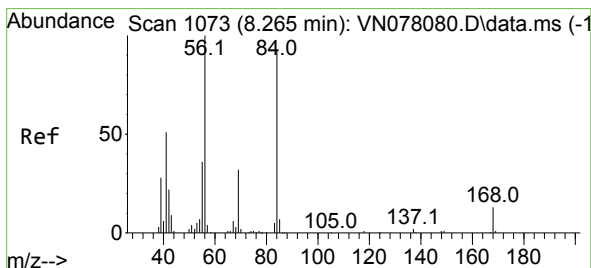
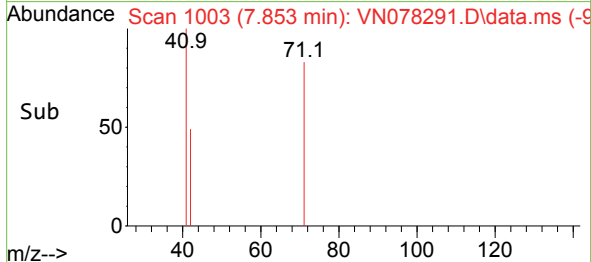
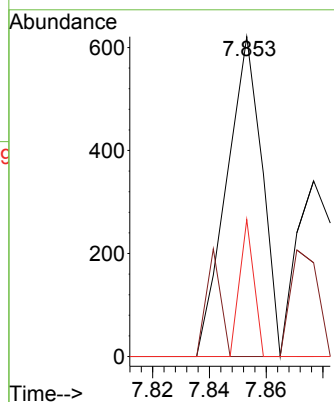
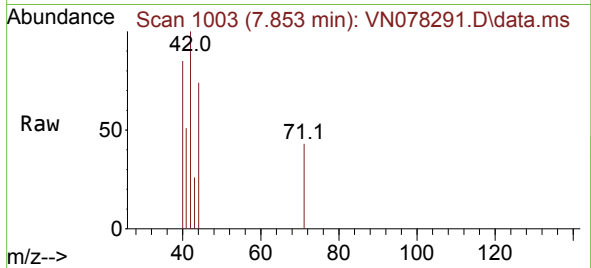




#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 7.853 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

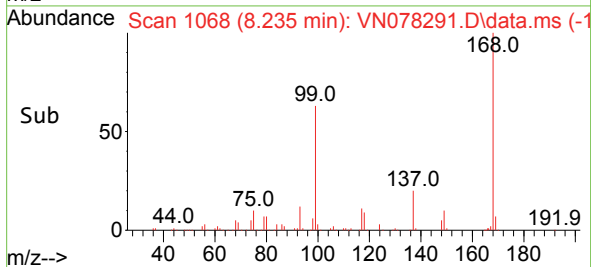
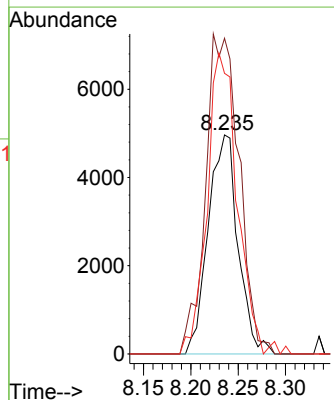
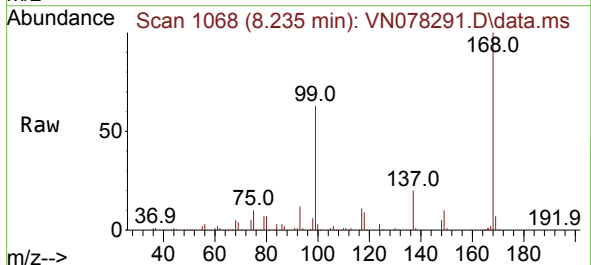
Instrument :
MSVOA_N
ClientSampleId :
WC-14

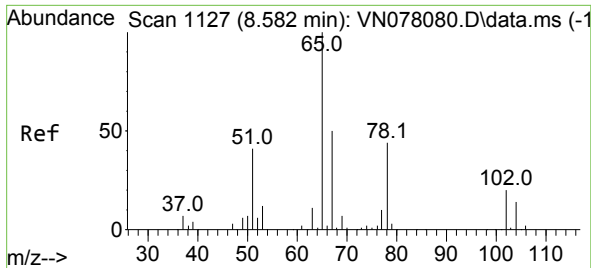
Tgt Ion: 42 Resp: 539
Ion Ratio Lower Upper
42 100
72 13.7 49.8 74.6#
71 17.4 47.4 71.2#



#31
Cyclohexane
Concen: 1.441 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 56 Resp: 10888
Ion Ratio Lower Upper
56 100
69 144.2 26.8 40.2#
84 128.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.582 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078291.D

Acq: 19 Jun 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

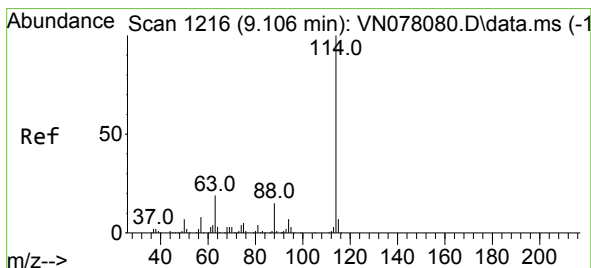
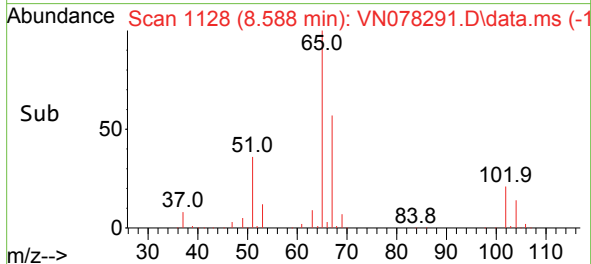
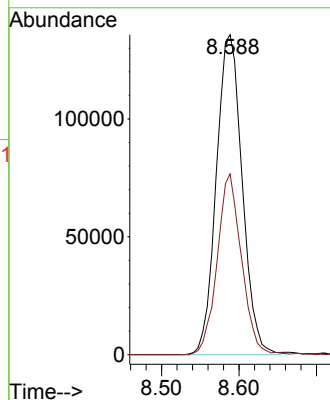
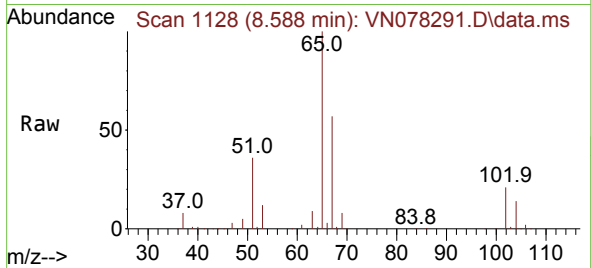
WC-14

Tgt Ion: 65 Resp: 315711

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078291.D

Acq: 19 Jun 2023 20:15

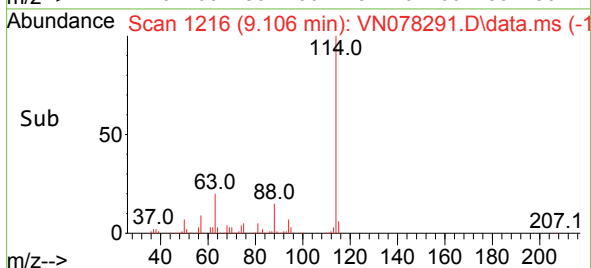
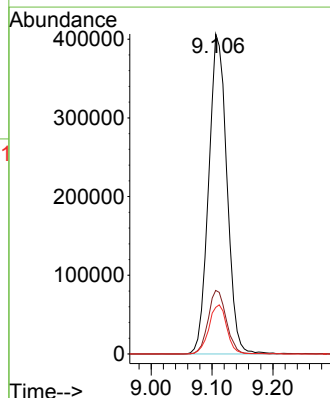
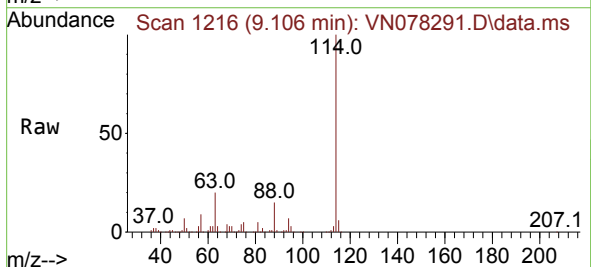
Tgt Ion:114 Resp: 844247

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.5 0.0 30.6

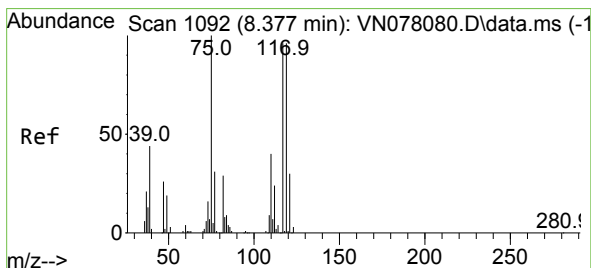
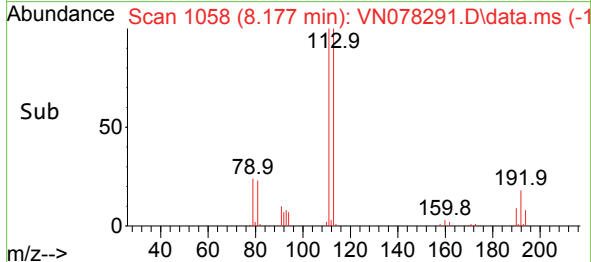
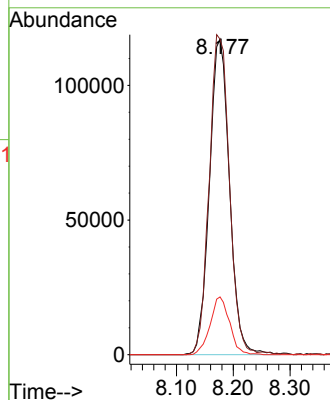
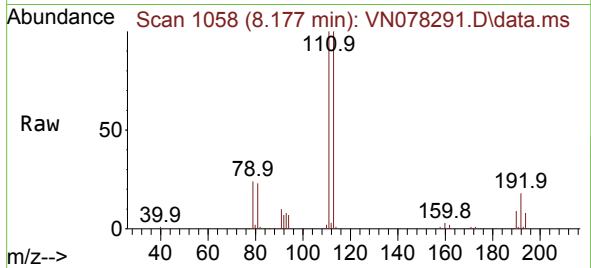




#35
Dibromofluoromethane
Concen: 53.808 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

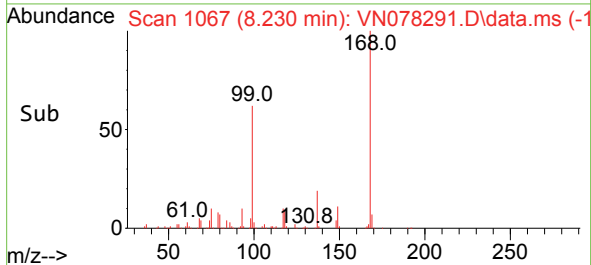
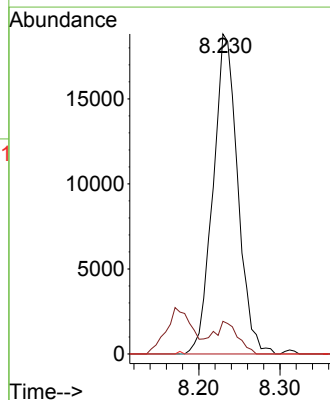
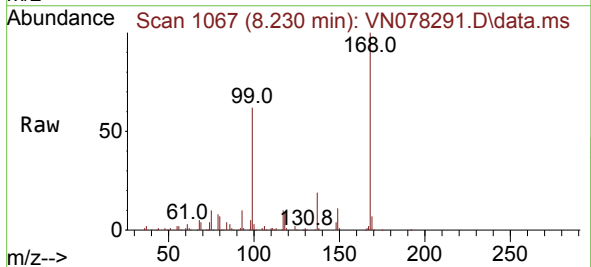
Instrument :
MSVOA_N
ClientSampleId :
WC-14

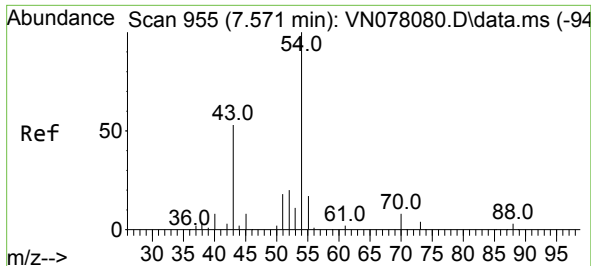
Tgt Ion:113 Resp: 287233
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 75 Resp: 39751
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#

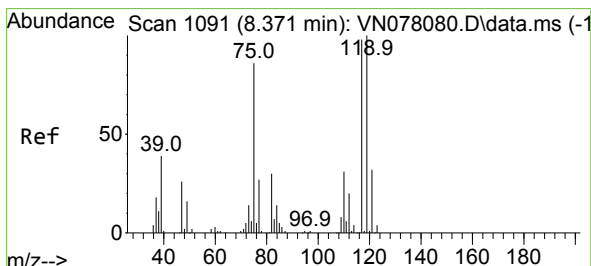
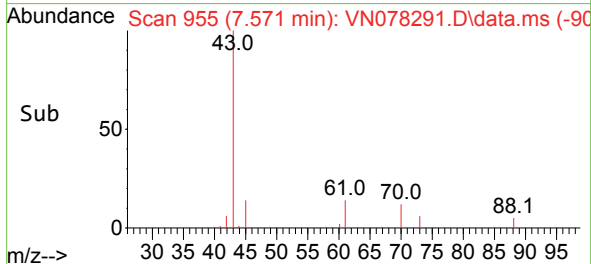
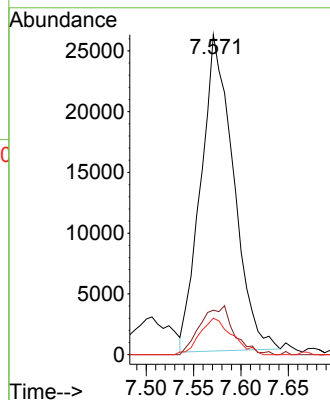
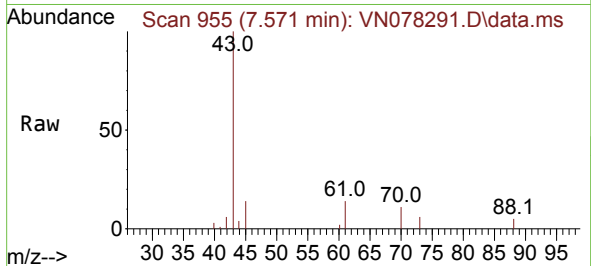




#37
Ethyl Acetate
Concen: 10.421 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

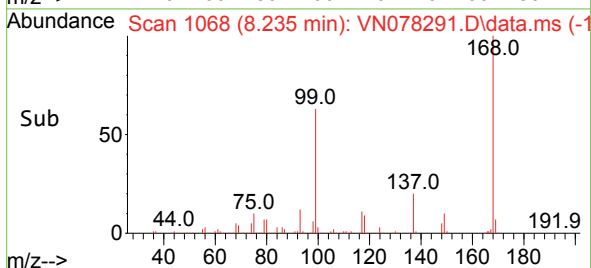
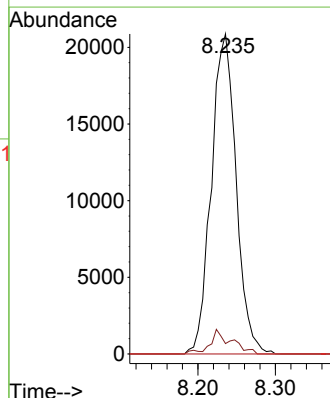
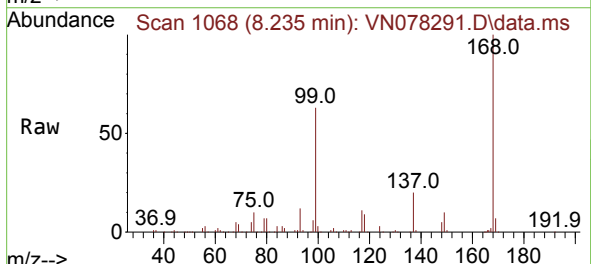
Instrument :
MSVOA_N
ClientSampleId :
WC-14

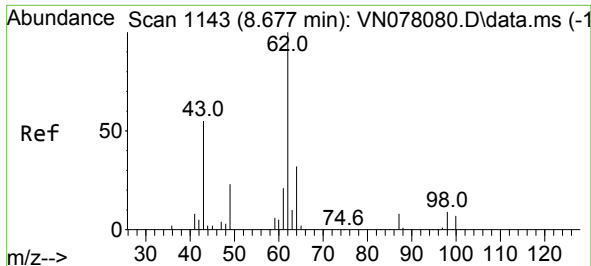
Tgt Ion:	43	Resp:	62333
Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.2	19.8
70	11.5	11.3	16.9



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion:	117	Resp:	46486
Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.371 ug/l

RT: 8.682 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN078291.D

Acq: 19 Jun 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

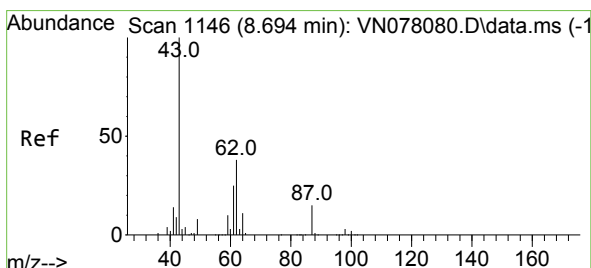
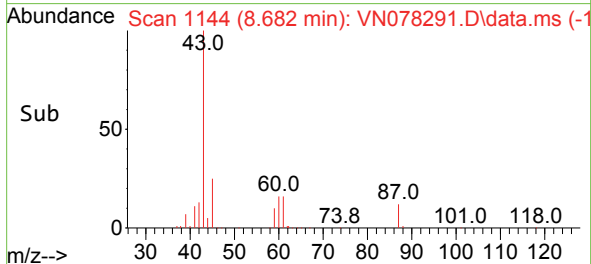
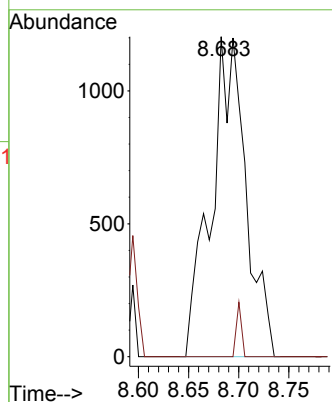
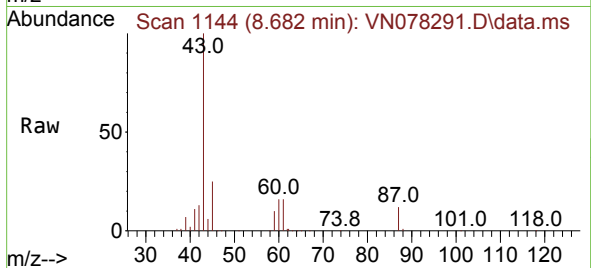
WC-14

Tgt Ion: 62 Resp: 2905

Ion Ratio Lower Upper

62 100

98 2.5 0.0 19.8



#43

Isopropyl Acetate

Concen: 40.593 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078291.D

Acq: 19 Jun 2023 20:15

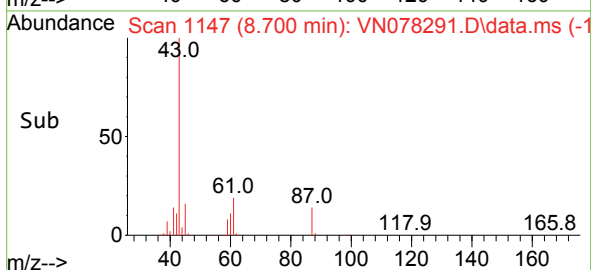
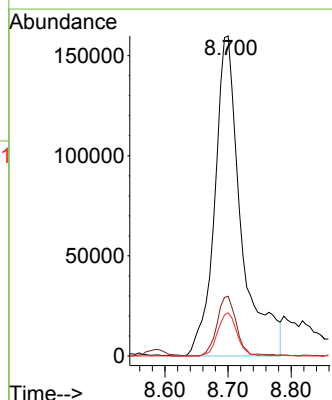
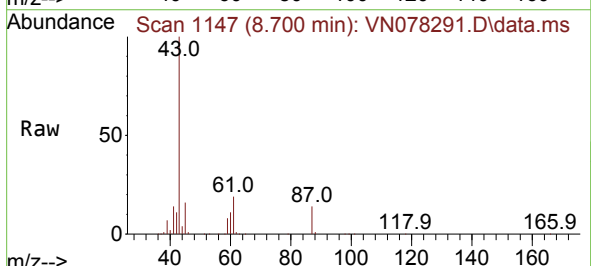
Tgt Ion: 43 Resp: 464354

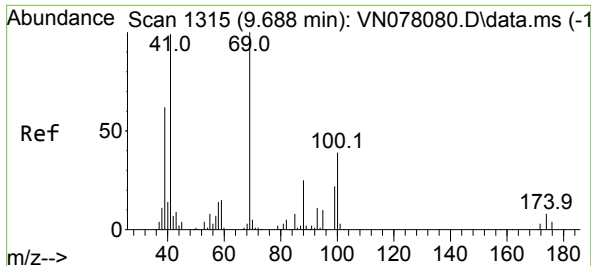
Ion Ratio Lower Upper

43 100

61 13.5 24.7 37.1#

87 9.9 14.6 21.8#

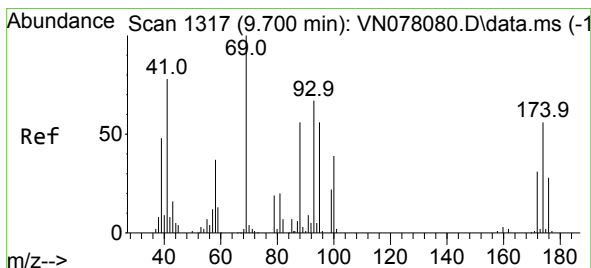
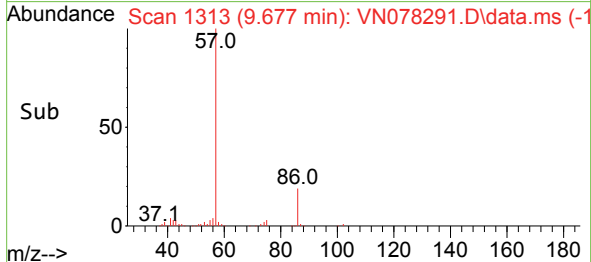
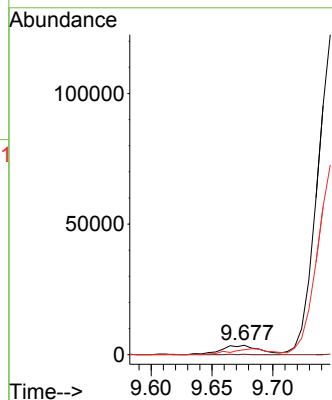
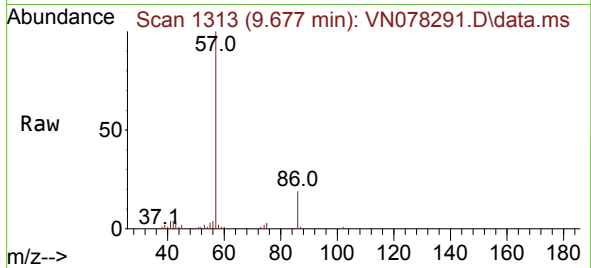




#48
Methyl methacrylate
Concen: 1.641 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

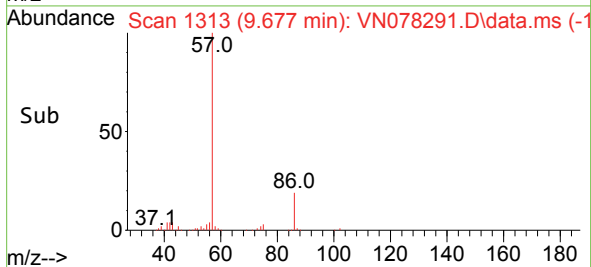
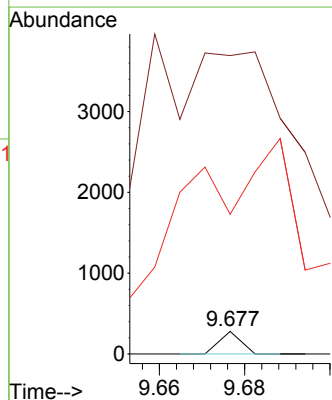
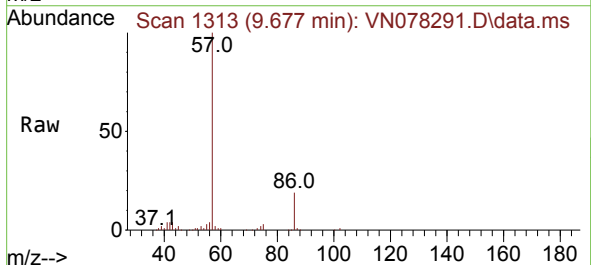
Instrument :
MSVOA_N
ClientSampleId :
WC-14

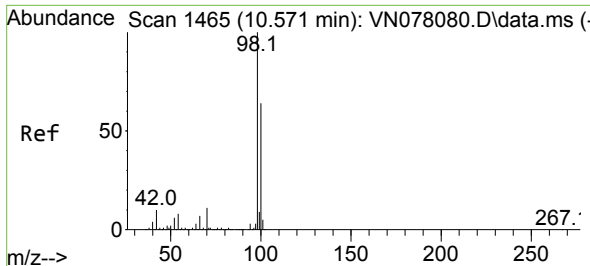
Tgt Ion: 41 Resp: 7877
Ion Ratio Lower Upper
41 100
69 1.7 90.4 135.6#
39 67.4 54.6 81.8



#49
1,4-Dioxane
Concen: 0.971 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.023 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3075.5 47.0 70.4#

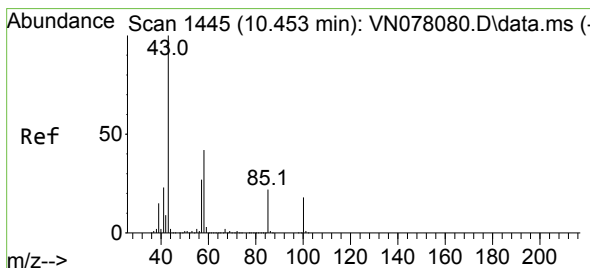
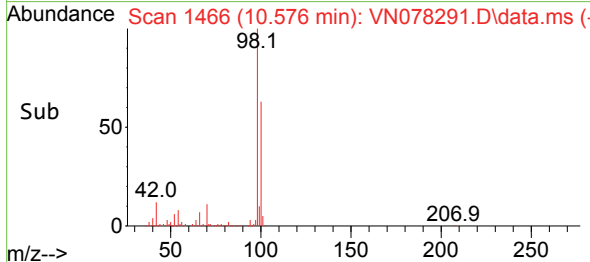
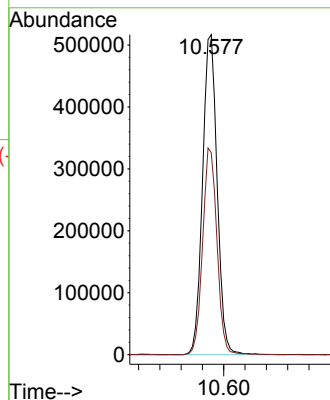
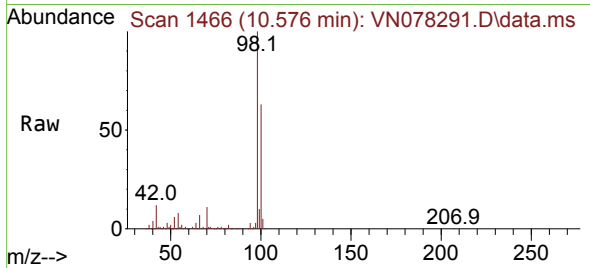




#50
Toluene-d8
Concen: 47.635 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

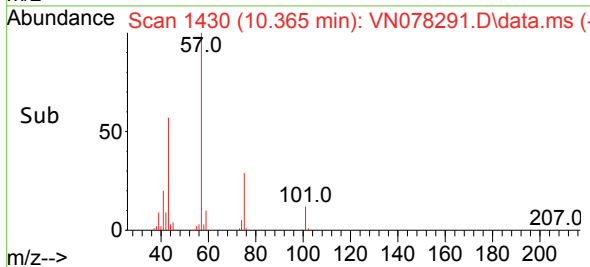
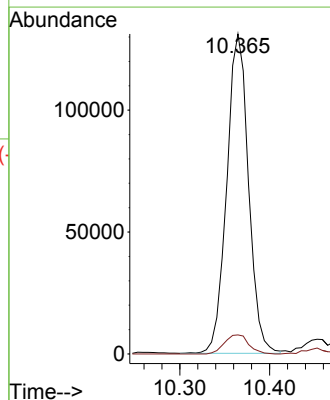
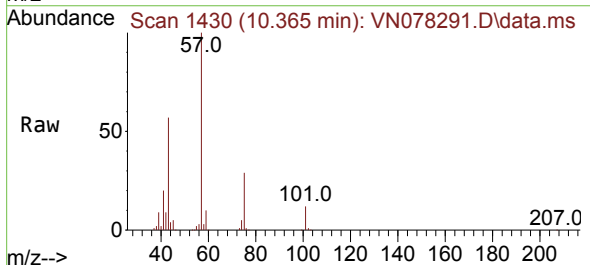
Instrument :
MSVOA_N
ClientSampleId :
WC-14

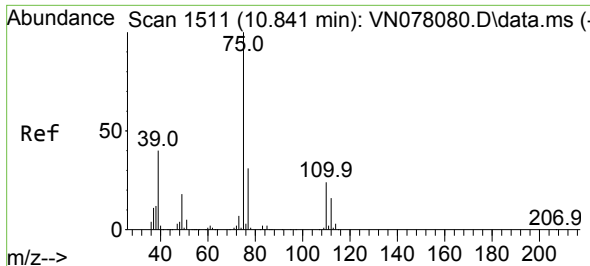
Tgt Ion: 98 Resp: 980268
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 36.655 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.088 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion: 43 Resp: 220801
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#

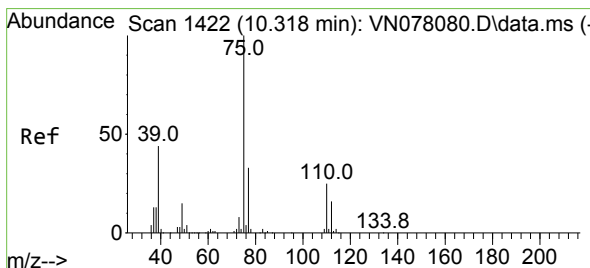
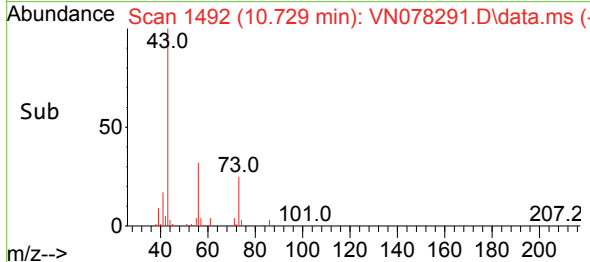
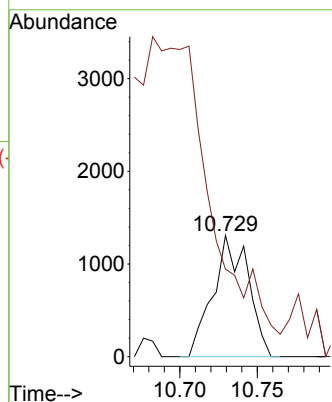
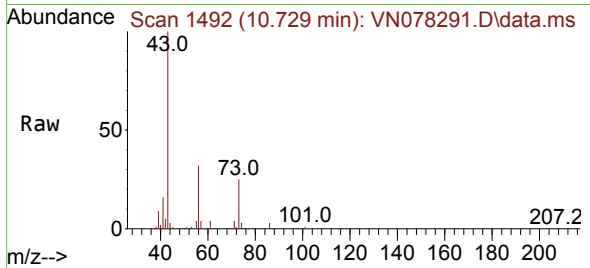




#53
 t-1,3-Dichloropropene
 Concen: 0.254 ug/l
 RT: 10.729 min Scan# 14
 Delta R.T. -0.112 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

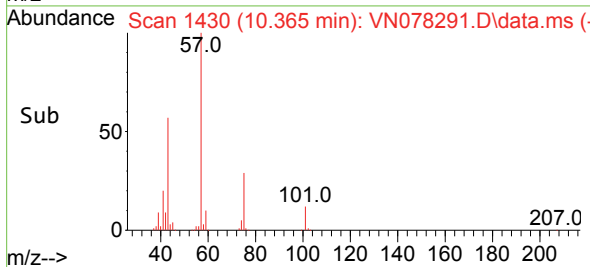
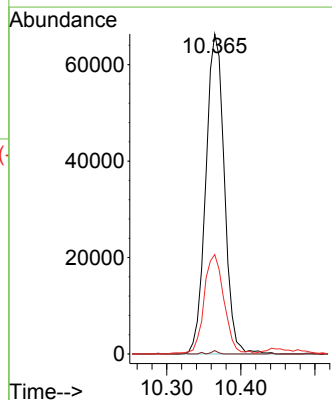
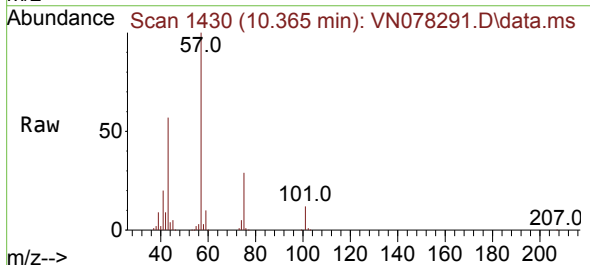
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14

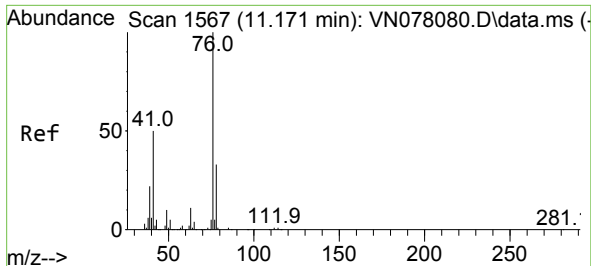
Tgt Ion: 75 Resp: 2055
 Ion Ratio Lower Upper
 75 100
 77 53.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.873 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

Tgt Ion: 75 Resp: 115316
 Ion Ratio Lower Upper
 75 100
 77 1.1 26.1 39.1#
 39 30.7 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.448 ug/l

RT: 11.206 min Scan# 1568

Delta R.T. 0.035 min

Lab File: VN078291.D

Acq: 19 Jun 2023 20:15

Instrument :

MSVOA_N

ClientSampleId :

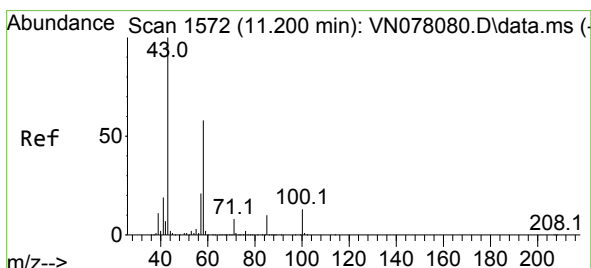
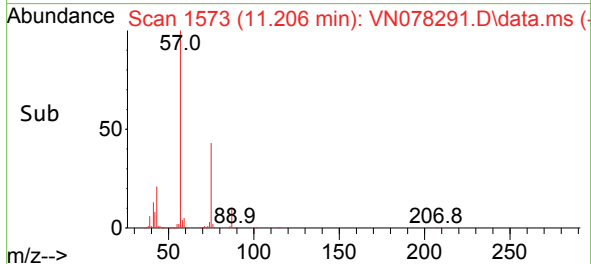
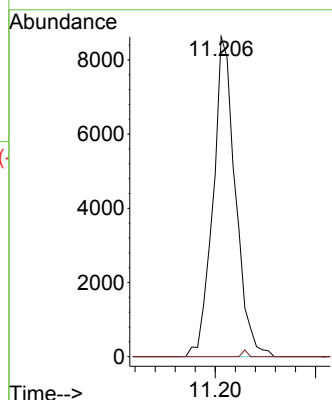
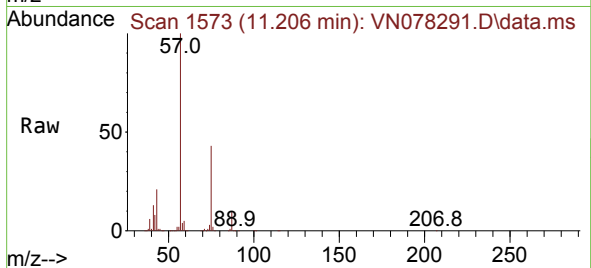
WC-14

Tgt Ion: 76 Resp: 13348

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.434 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078291.D

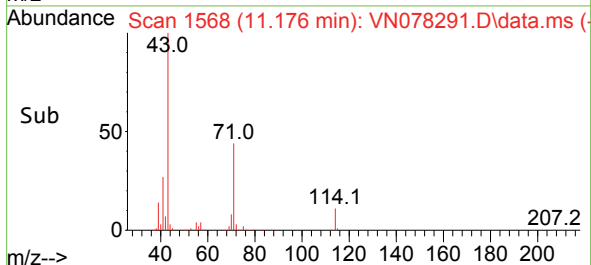
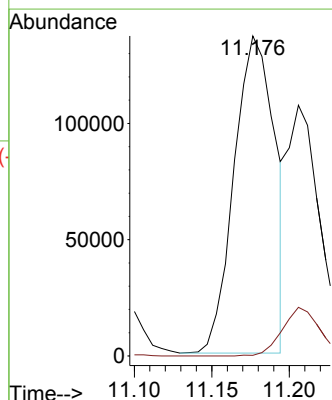
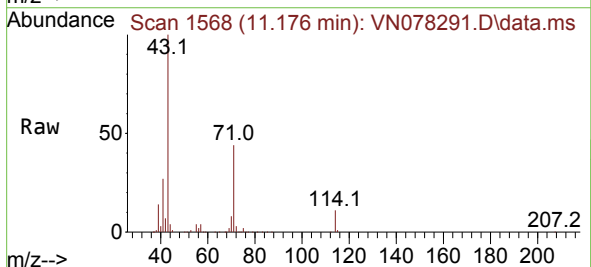
Acq: 19 Jun 2023 20:15

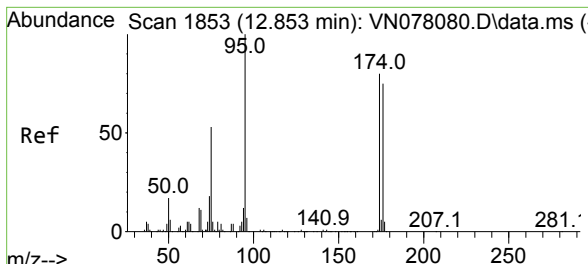
Tgt Ion: 43 Resp: 249288

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

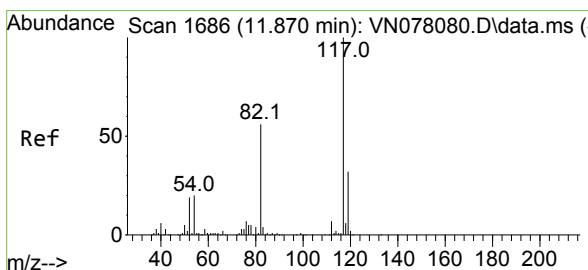
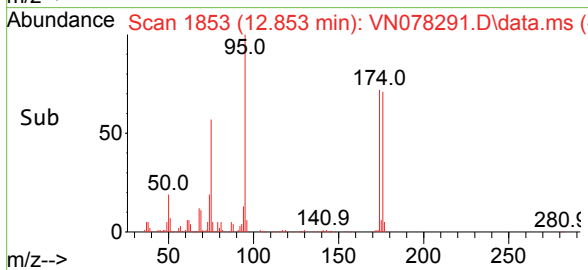
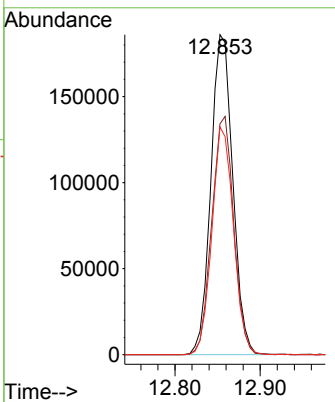
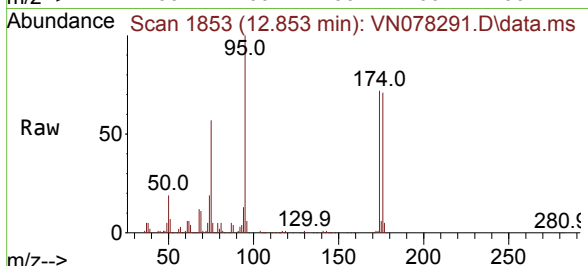




#62
 4-Bromofluorobenzene
 Concen: 51.841 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

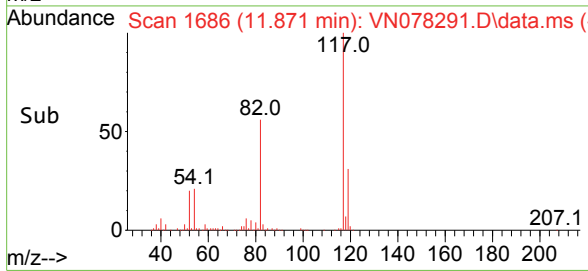
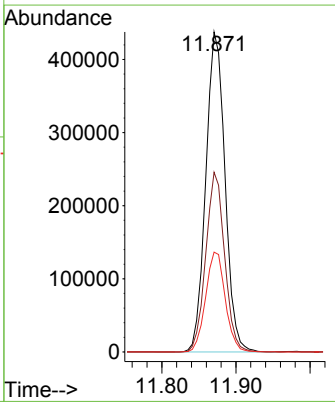
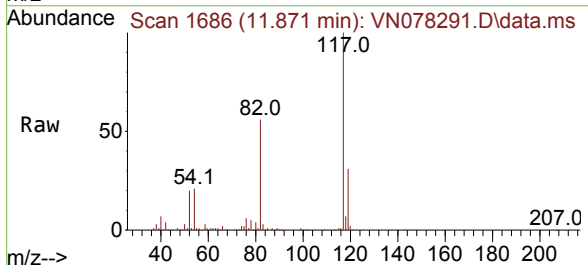
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14

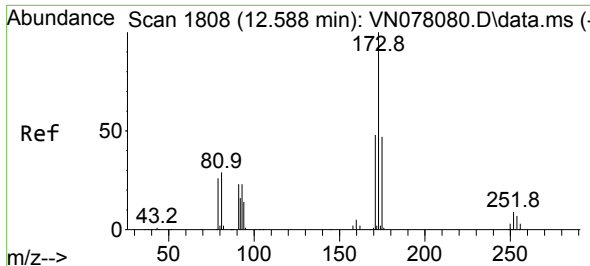
Tgt Ion:	95	Resp:	331649
Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	143.8
176	70.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

Tgt Ion:	117	Resp:	786570
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.0	66.0
119	31.2	25.6	38.4

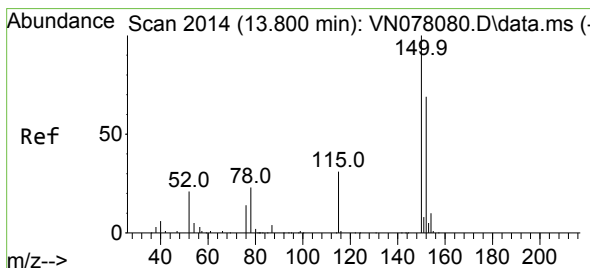
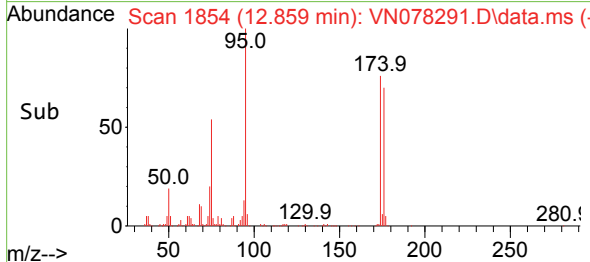
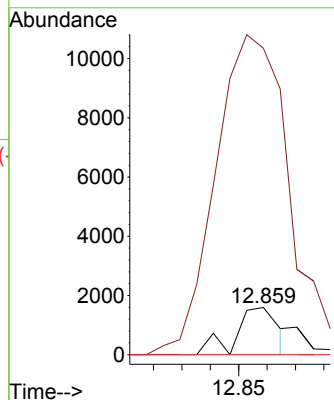
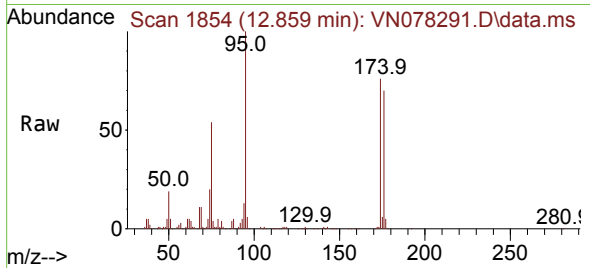




#71
Bromoform
Concen: 0.415 ug/l
RT: 12.859 min Scan# 1808
Delta R.T. 0.271 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

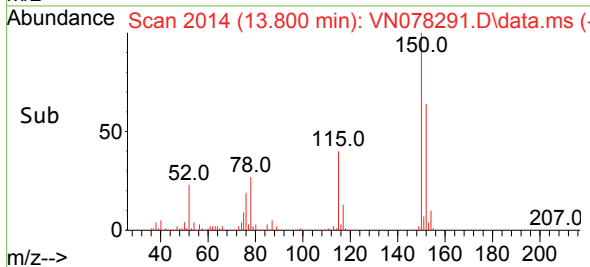
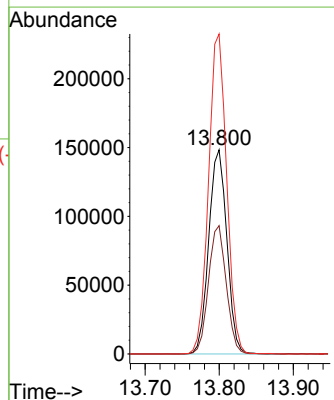
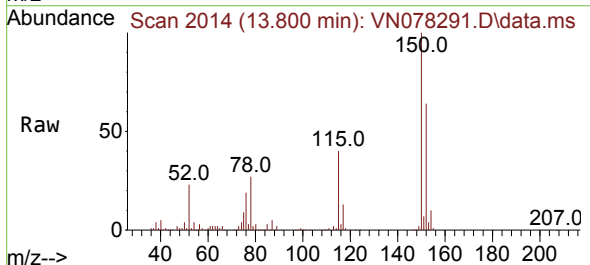
Instrument :
MSVOA_N
ClientSampleId :
WC-14

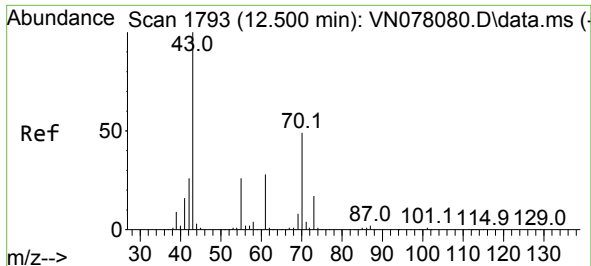
Tgt Ion:173 Resp: 1658
Ion Ratio Lower Upper
173 100
175 1029.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion:152 Resp: 252621
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 156.3 0.0 355.8

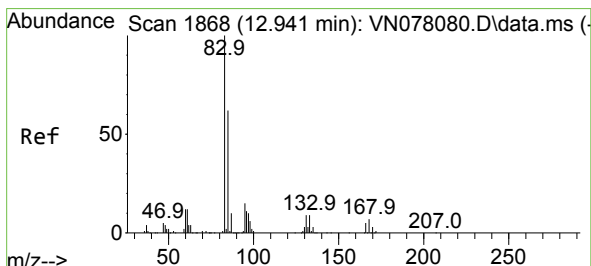
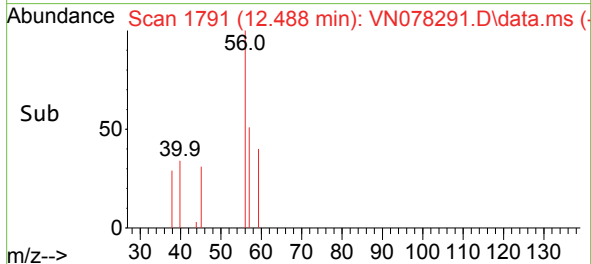
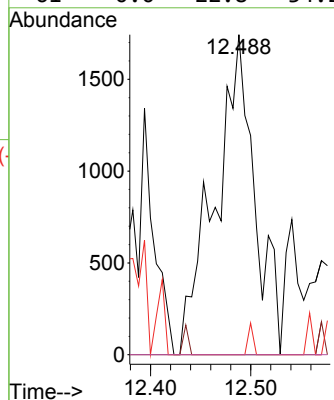
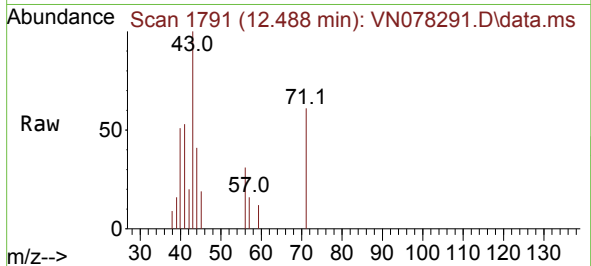




#74
N-amy1 acetate
Concen: 0.610 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

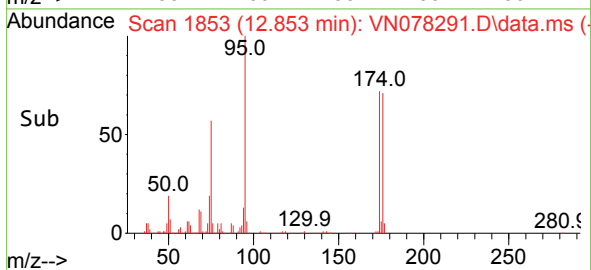
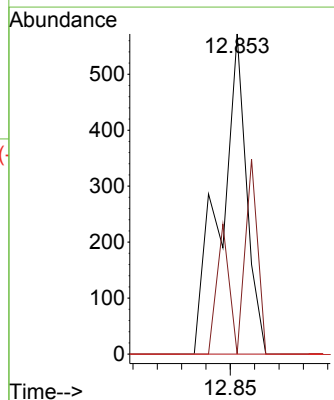
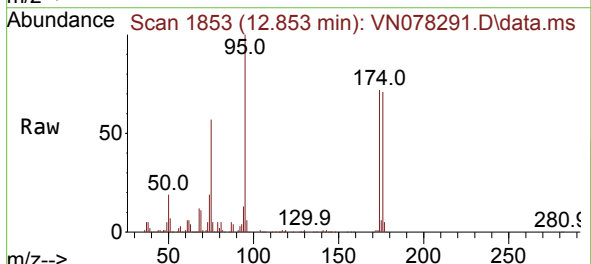
Instrument :
MSVOA_N
ClientSampleId :
WC-14

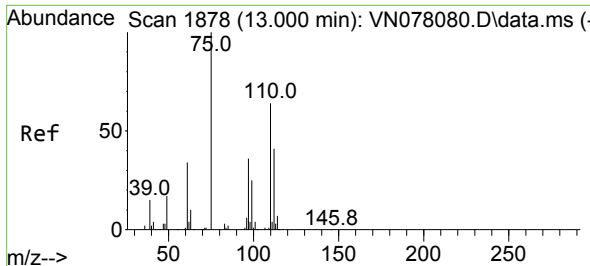
Tgt Ion:	43	Resp:	4800
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN078291.D
Acq: 19 Jun 2023 20:15

Tgt Ion:	83	Resp:	426
Ion	Ratio	Lower	Upper
83	100		
131	19.2	5.0	15.0#
85	0.0	31.9	95.7#

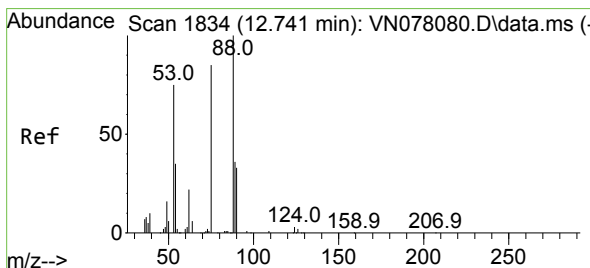
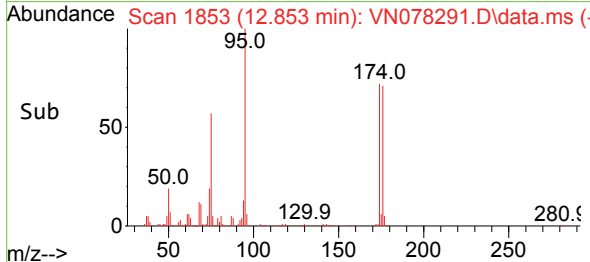
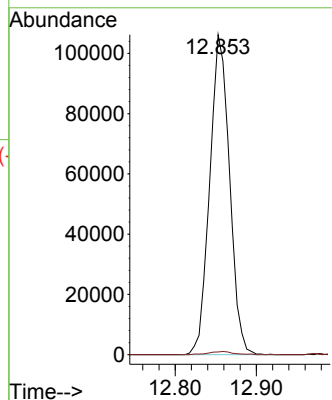
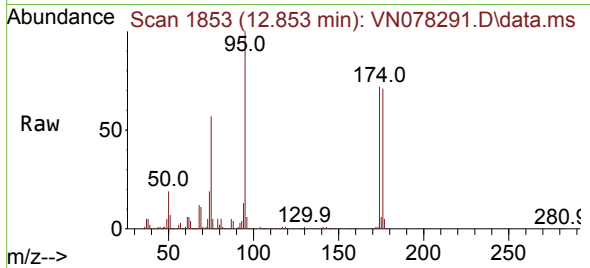




#76
 1,2,3-Trichloropropane
 Concen: 30.147 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14

Tgt Ion: 75 Resp: 180038
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.620 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078291.D
 Acq: 19 Jun 2023 20:15

Tgt Ion: 75 Resp: 180038
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.2 38.8 58.2#

