

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078310.D
 Acq On : 20 Jun 2023 15:24
 Operator : JC\MD
 Sample : 03321-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-23

Quant Time: Jun 21 05:47:40 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)

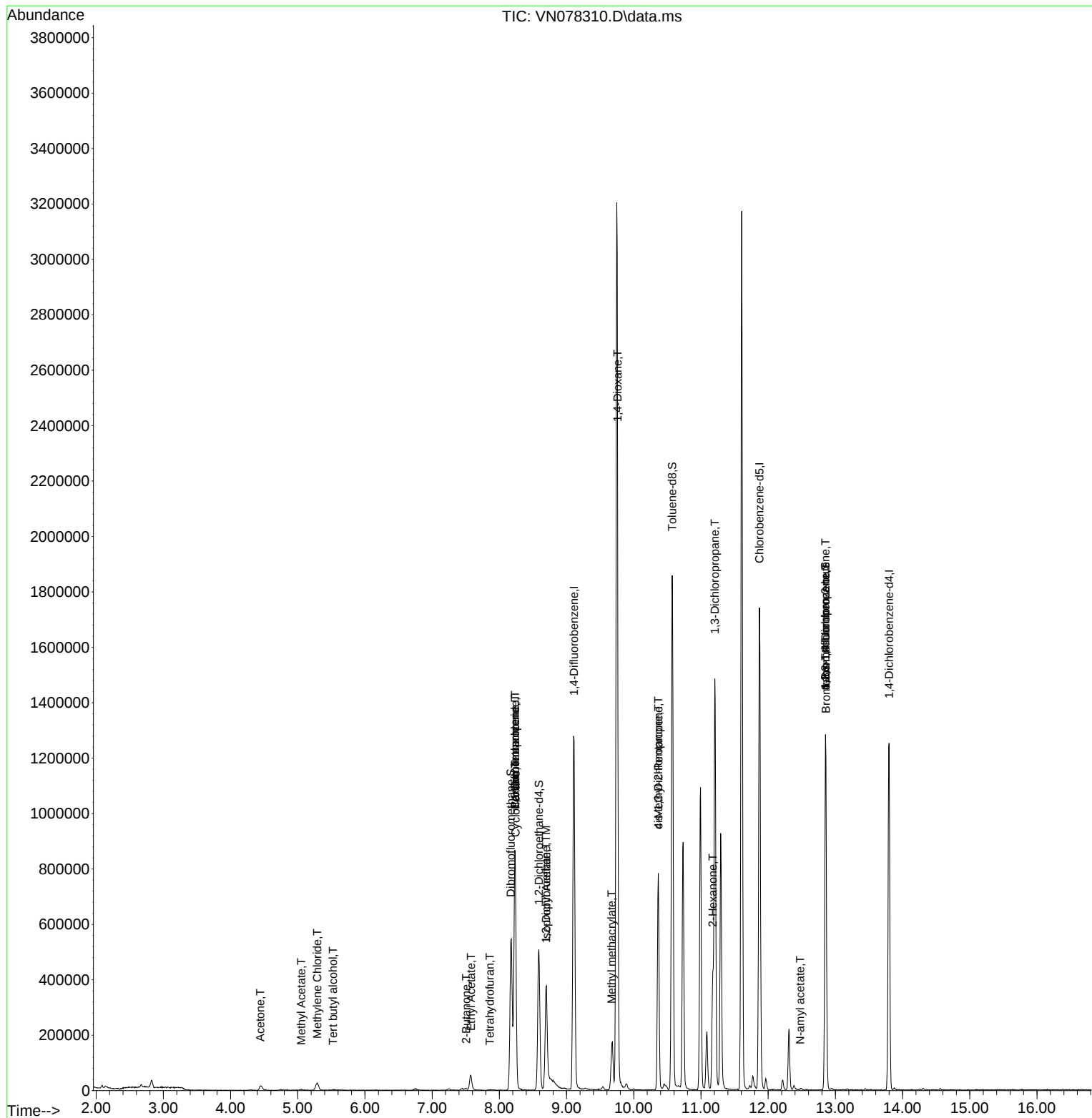
Internal Standards						
1) Pentafluorobenzene	8.235	168	653939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1147803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1070432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	365131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	419687	48.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.260%		
35) Dibromofluoromethane	8.171	113	397609	54.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.580%		
50) Toluene-d8	10.571	98	1338370	47.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.680%		
62) 4-Bromofluorobenzene	12.853	95	447364	51.435	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1033	Below Cal	#	50
11) Tert butyl alcohol	5.524	59	3136	2.605	ug/l #	78
16) Acetone	4.442	43	33355	13.291	ug/l #	87
18) Methyl Acetate	5.053	43	4838	0.419	ug/l #	72
20) Methylene Chloride	5.289	84	21281	2.566	ug/l	91
25) 2-Butanone	7.506	43	8194	2.123	ug/l #	69
29) Tetrahydrofuran	7.859	42	1495	0.579	ug/l #	38
31) Cyclohexane	8.241	56	14022	1.254	ug/l #	38
36) 1,1-Dichloropropene	8.235	75	50195	4.822	ug/l #	47
37) Ethyl Acetate	7.577	43	82411	10.134	ug/l	95
38) Carbon Tetrachloride	8.235	117	66269	6.029	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	3171	0.298	ug/l #	73
43) Isopropyl Acetate	8.700	43	434075	27.910	ug/l #	81
48) Methyl methacrylate	9.671	41	10467	1.604	ug/l #	33
49) 1,4-Dioxane	9.759	88	465	3.390	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	273342	33.376	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	145851	11.975	ug/l #	69
57) 1,3-Dichloropropane	11.206	76	16594	1.324	ug/l #	42
59) 2-Hexanone	11.176	43	319515	56.031	ug/l #	19
71) Bromoform	12.859	173	3877	0.713	ug/l #	1
74) N-amyl acetate	12.476	43	4739	0.417	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.965	83	98	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	230104	26.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	230104	81.901	ug/l #	15

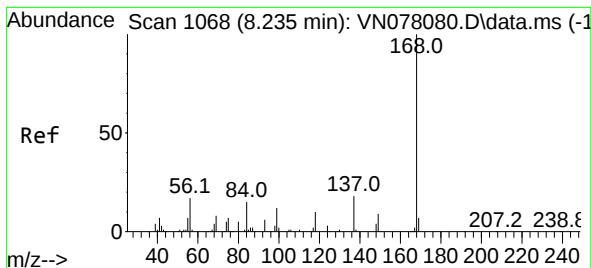
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
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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

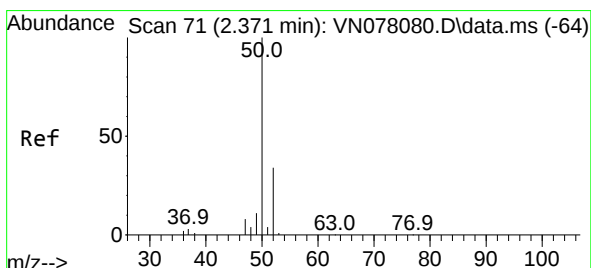
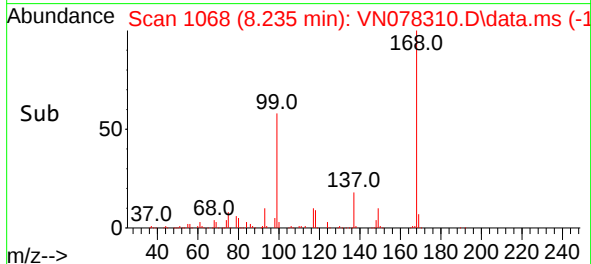
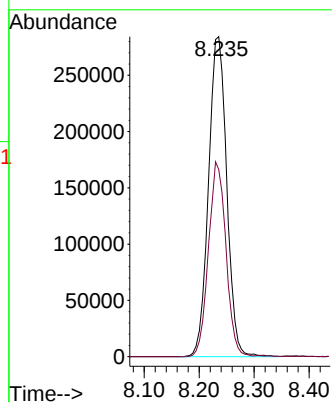
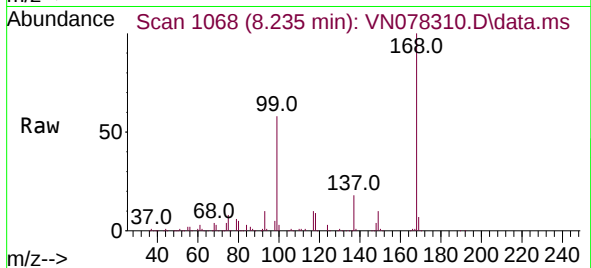




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

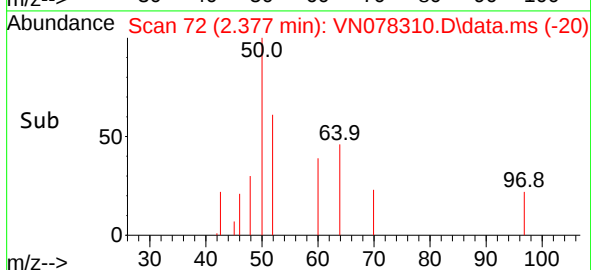
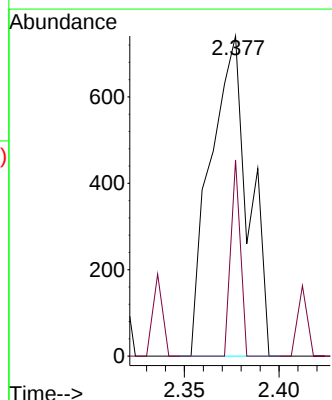
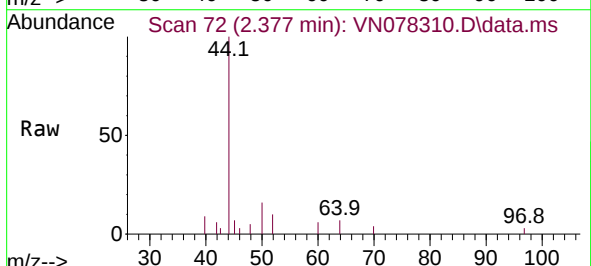
Instrument :
MSVOA_N
ClientSampleId :
WC-23

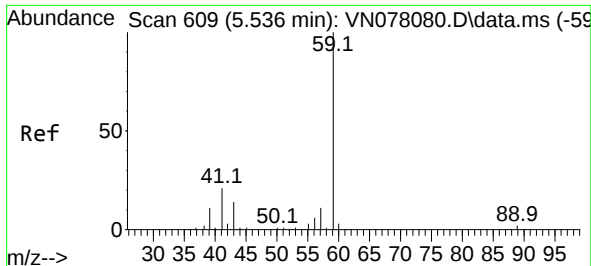
Tgt Ion:168 Resp: 653939
Ion Ratio Lower Upper
168 100
99 58.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 50 Resp: 1033
Ion Ratio Lower Upper
50 100
52 61.3 26.5 39.7#

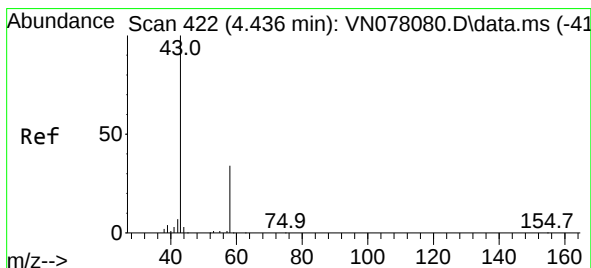
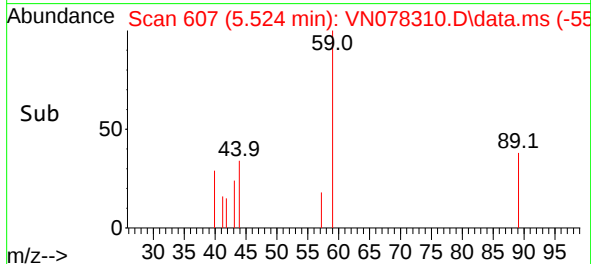
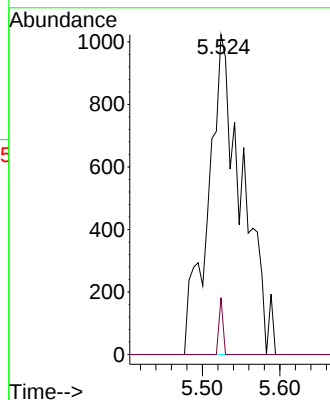
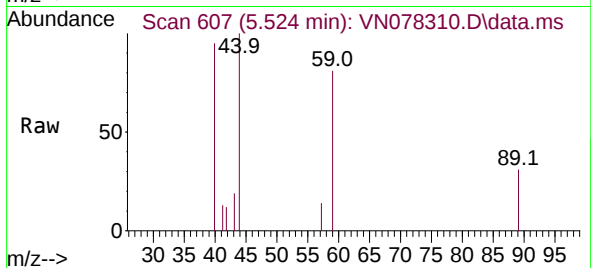




#11
Tert butyl alcohol
Concen: 2.605 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

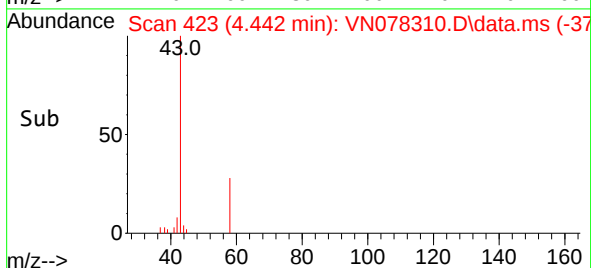
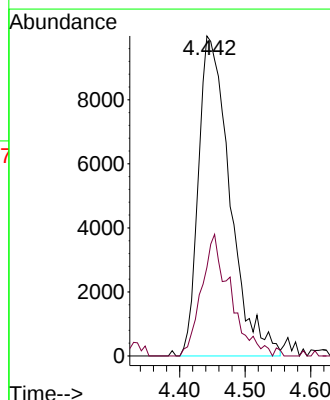
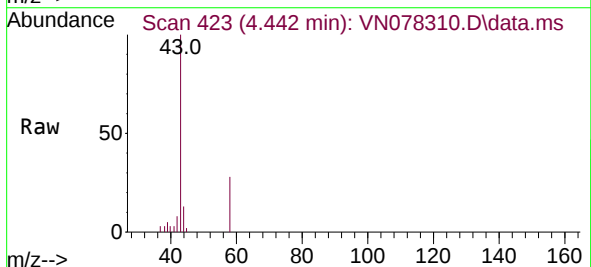
Instrument :
MSVOA_N
ClientSampleId :
WC-23

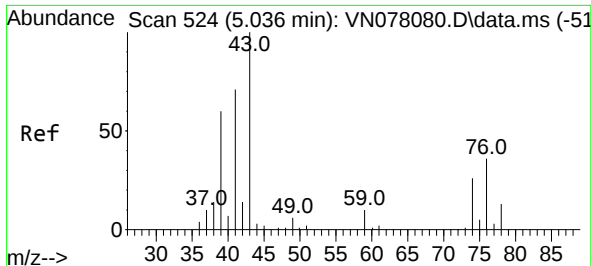
Tgt Ion: 59 Resp: 3136
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.4#



#16
Acetone
Concen: 13.291 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 43 Resp: 33355
Ion Ratio Lower Upper
43 100
58 27.7 28.0 42.0#

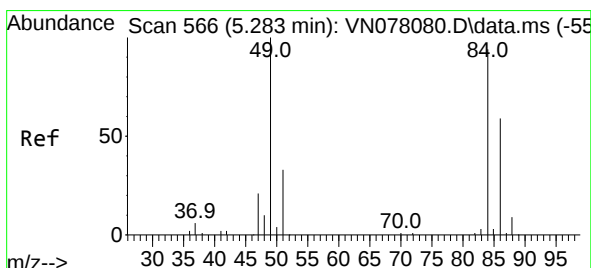
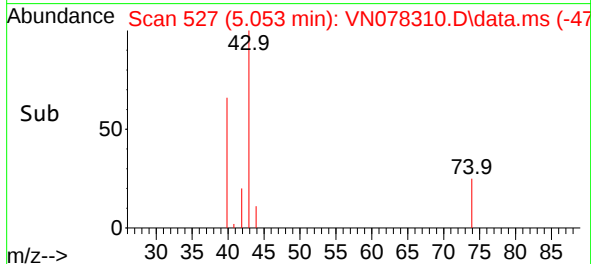
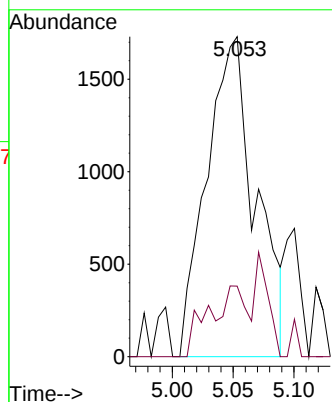
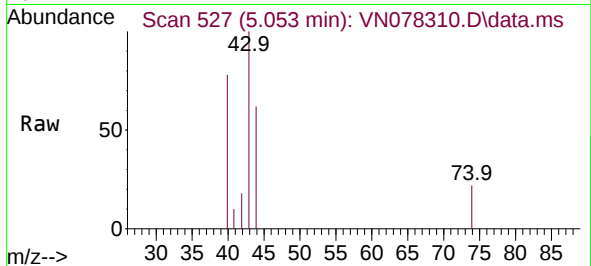




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

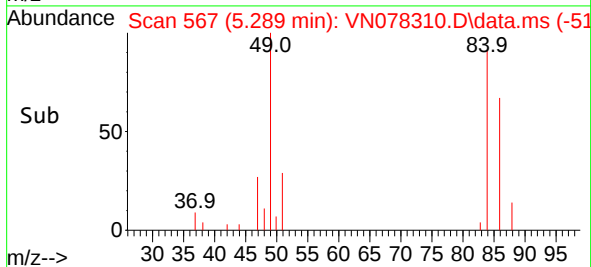
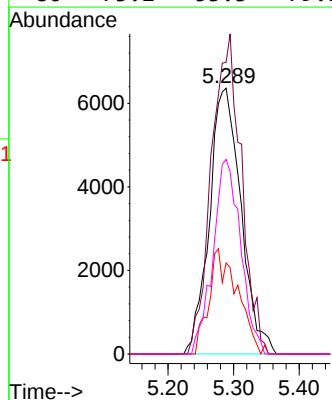
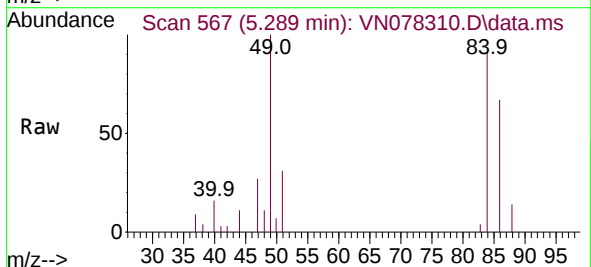
Instrument :
MSVOA_N
ClientSampleId :
WC-23

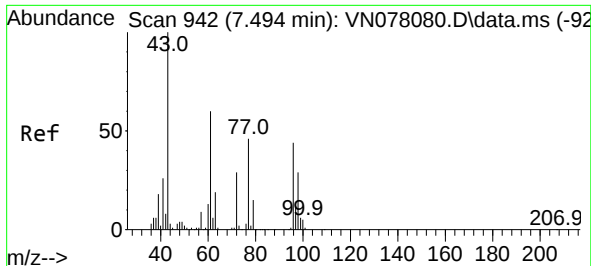
Tgt Ion: 43 Resp: 4838
Ion Ratio Lower Upper
43 100
74 17.1 26.2 39.4#



#20
Methylene Chloride
Concen: 2.566 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 84 Resp: 21281
Ion Ratio Lower Upper
84 100
49 109.8 79.7 119.5
51 34.3 25.2 37.8
86 73.2 53.3 79.9

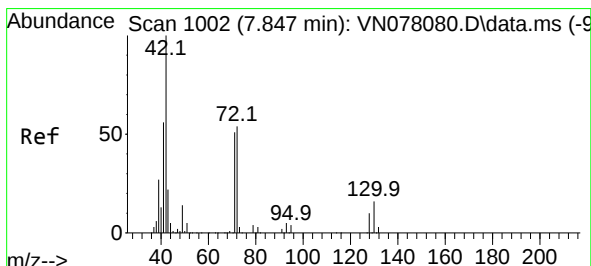
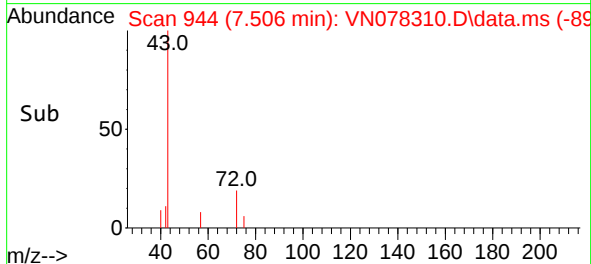
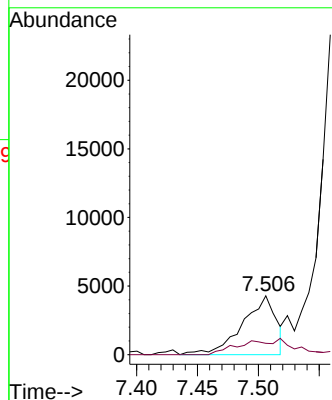
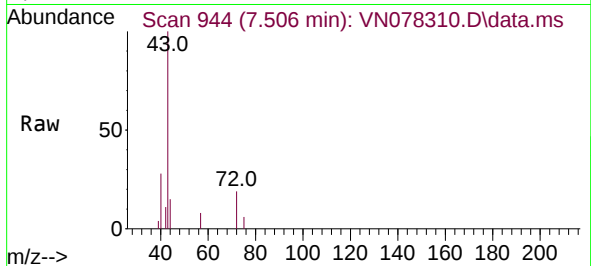




#25
2-Butanone
Concen: 2.123 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

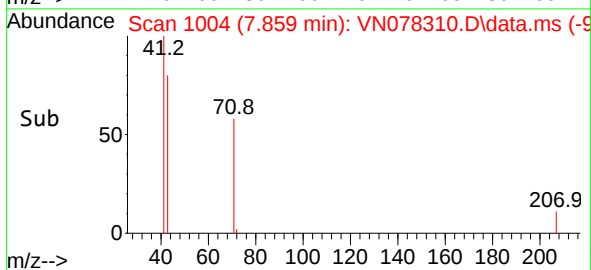
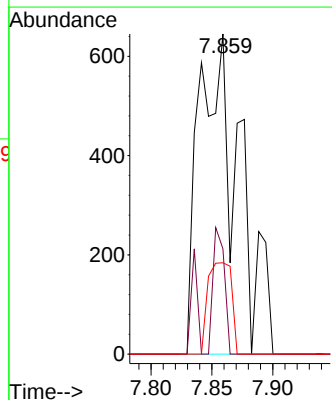
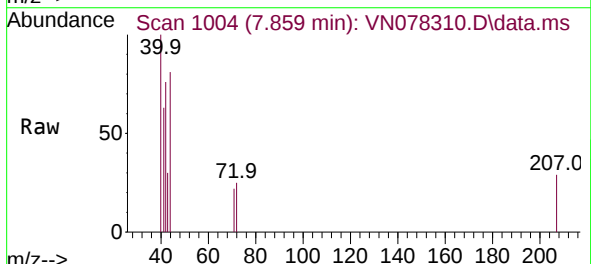
Instrument :
MSVOA_N
ClientSampleId :
WC-23

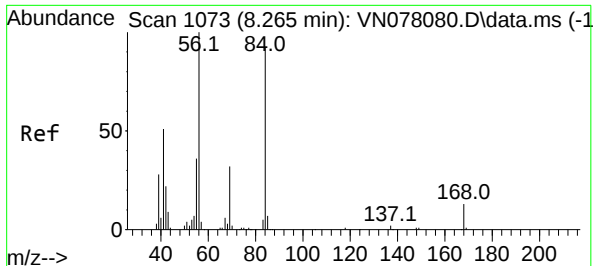
Tgt Ion: 43 Resp: 8194
Ion Ratio Lower Upper
43 100
72 19.4 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.579 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 42 Resp: 1495
Ion Ratio Lower Upper
42 100
72 11.0 49.8 74.6#
71 16.5 47.4 71.2#

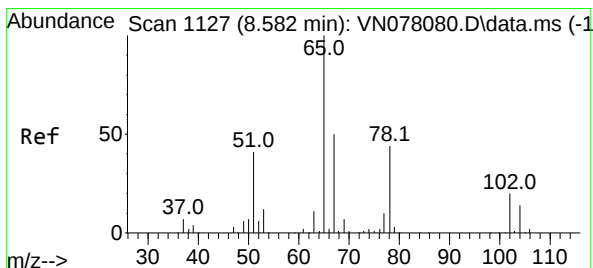
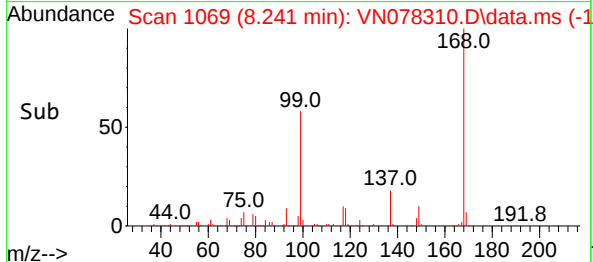
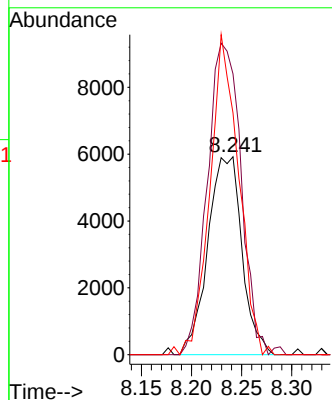
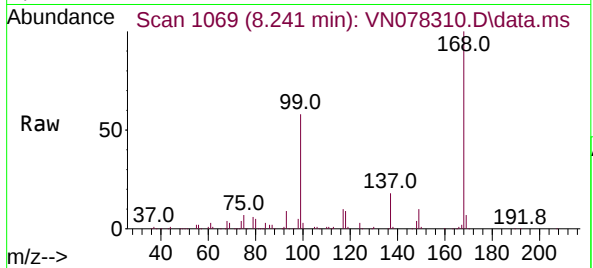




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.023 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

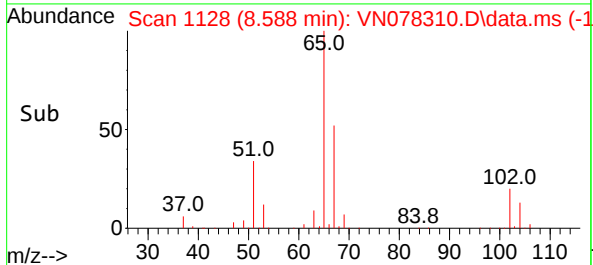
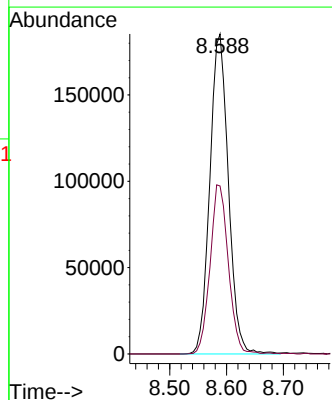
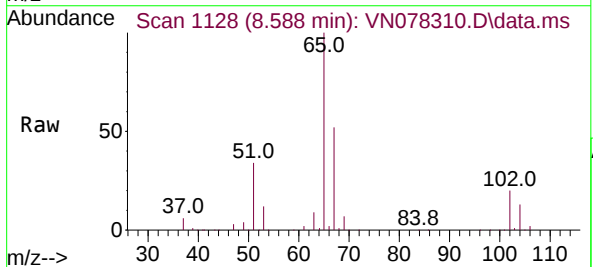
Instrument :
MSVOA_N
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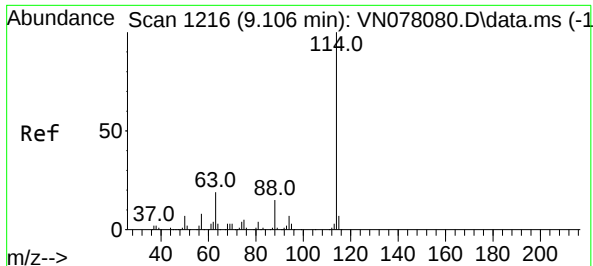
Tgt Ion: 56 Resp: 14022
Ion Ratio Lower Upper
56 100
69 141.8 26.8 40.2#
84 122.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.135 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 65 Resp: 419687
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

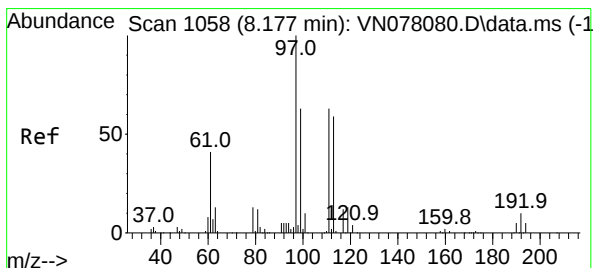
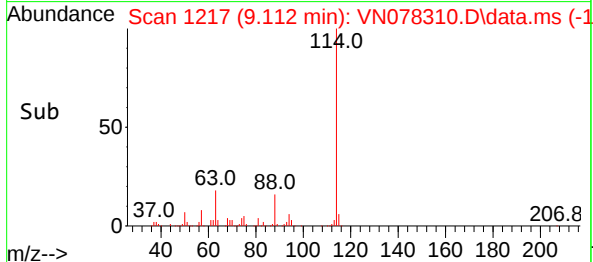
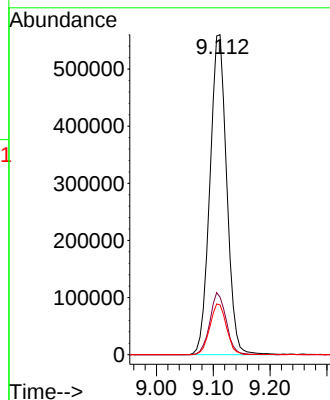
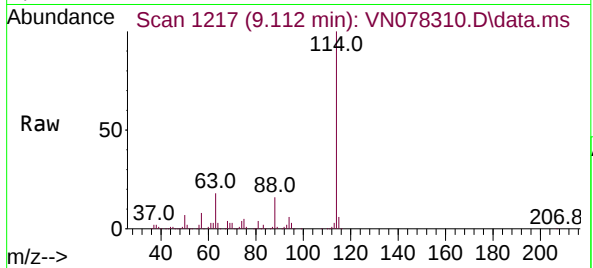




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

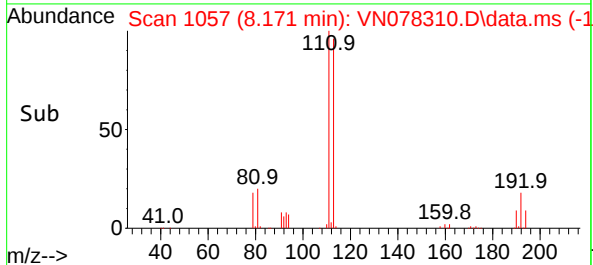
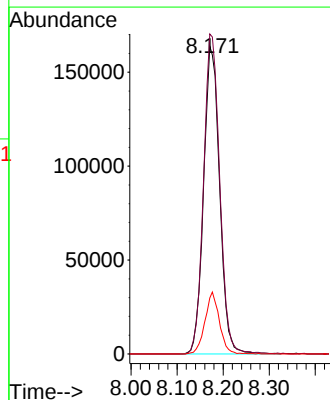
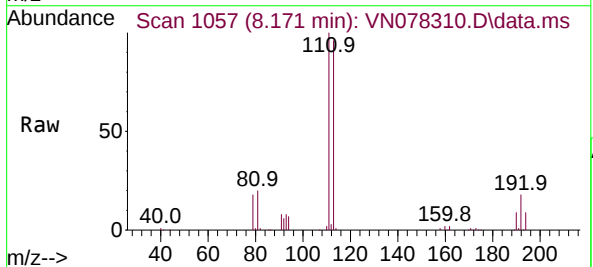
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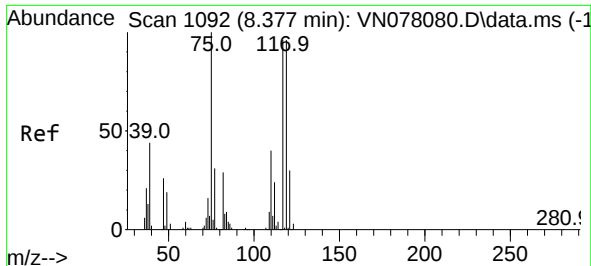
Tgt Ion:114 Resp: 1147803
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.787 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion:113 Resp: 397609
Ion Ratio Lower Upper
113 100
111 104.8 82.6 123.8
192 18.2 12.7 19.1

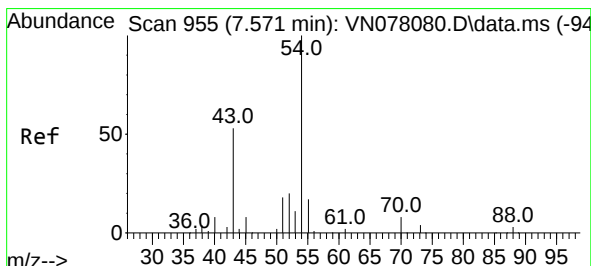
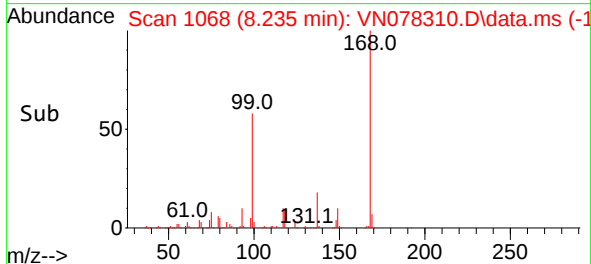
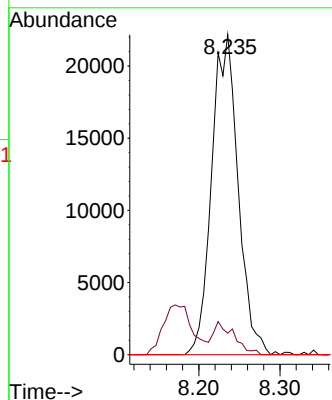
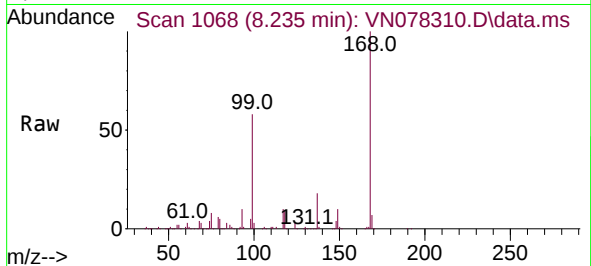




#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

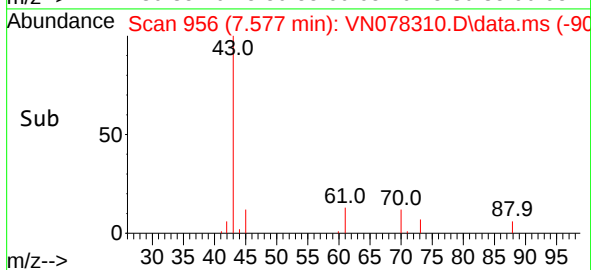
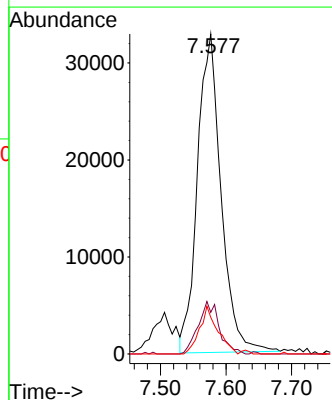
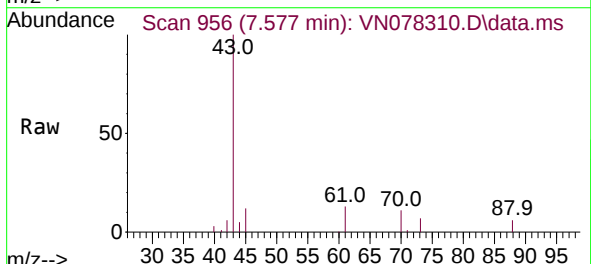
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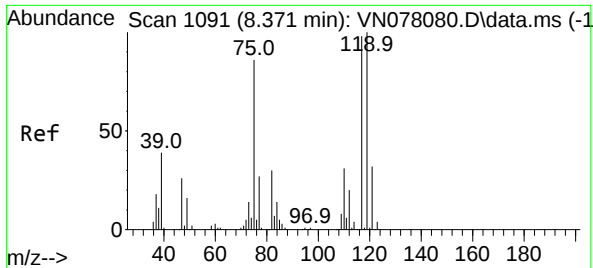
Tgt Ion: 75 Resp: 50195
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.134 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 43 Resp: 82411
Ion Ratio Lower Upper
43 100
61 14.7 13.2 19.8
70 11.4 11.3 16.9

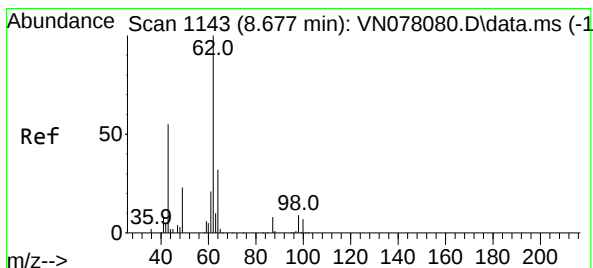
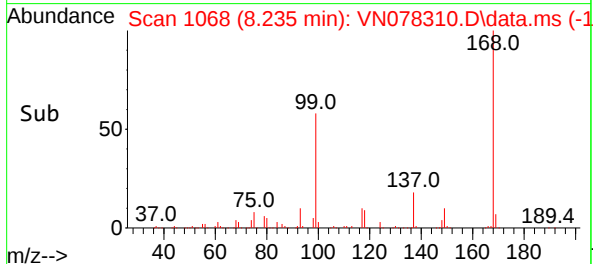
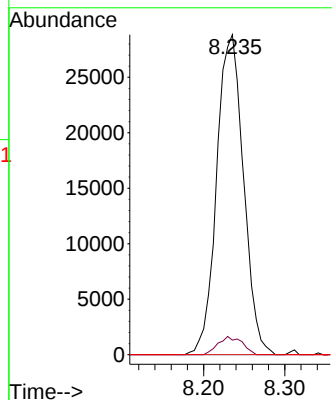
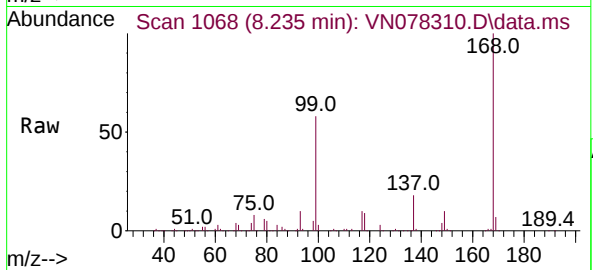




#38
Carbon Tetrachloride
Concen: 6.029 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

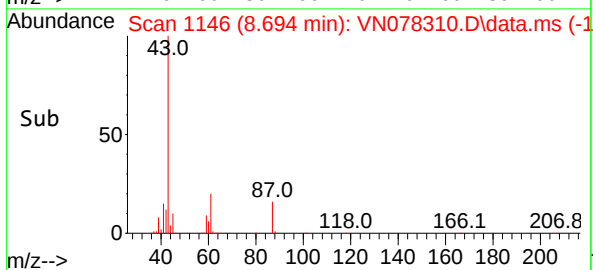
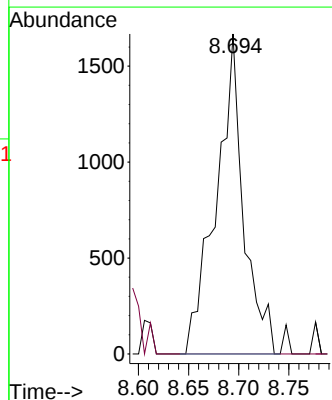
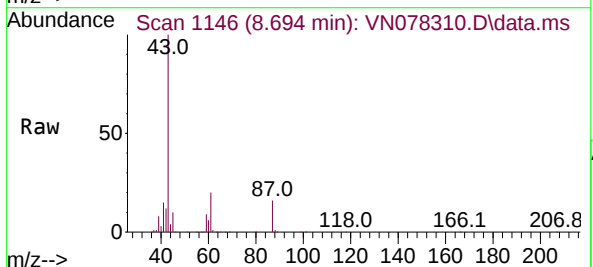
Instrument :
MSVOA_N
ClientSampleId :
WC-23

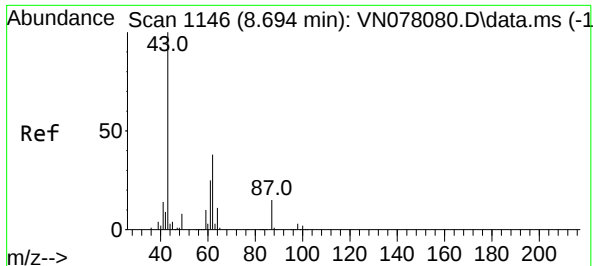
Tgt Ion:117 Resp: 66269
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.298 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.018 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 62 Resp: 3171
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

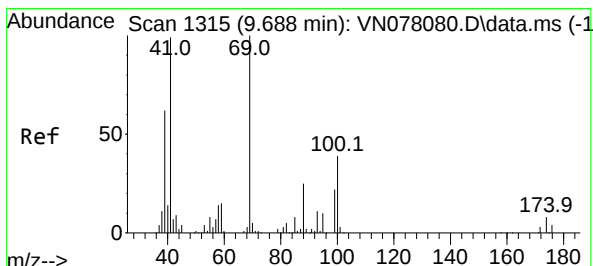
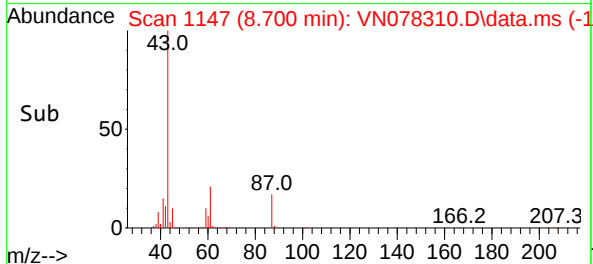
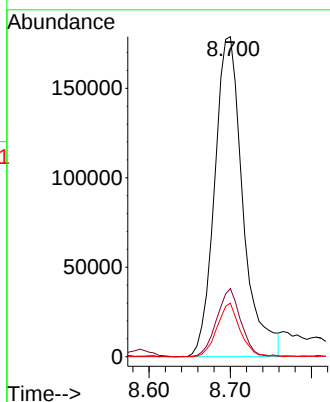
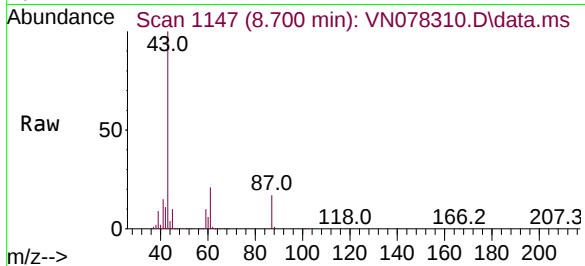




#43
Isopropyl Acetate
Concen: 27.910 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

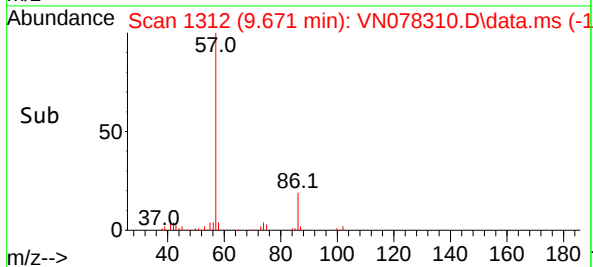
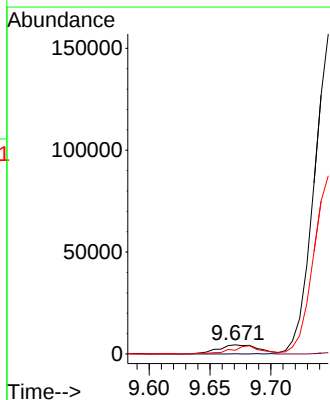
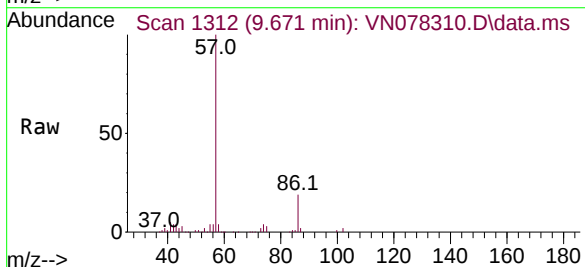
Instrument :
MSVOA_N
ClientSampleId :
WC-23

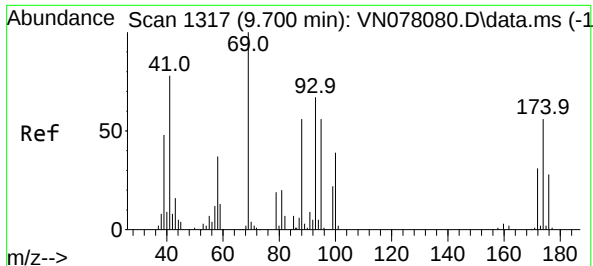
Tgt Ion: 43 Resp: 434075
Ion Ratio Lower Upper
43 100
61 18.0 24.7 37.1#
87 13.6 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.604 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 41 Resp: 10467
Ion Ratio Lower Upper
41 100
69 0.7 90.4 135.6#
39 65.4 54.6 81.8





#49

1,4-Dioxane

Concen: 3.390 ug/l

RT: 9.759 min Scan# 1317

Delta R.T. 0.059 min

Lab File: VN078310.D

Acq: 20 Jun 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :

WC-23

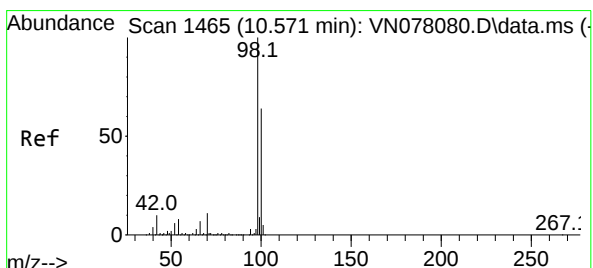
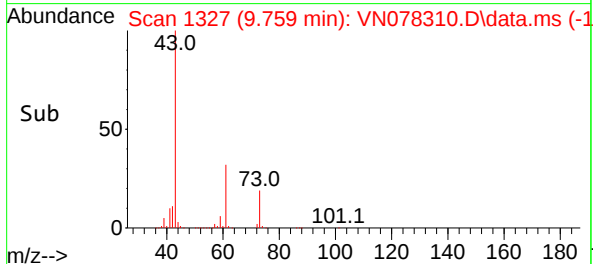
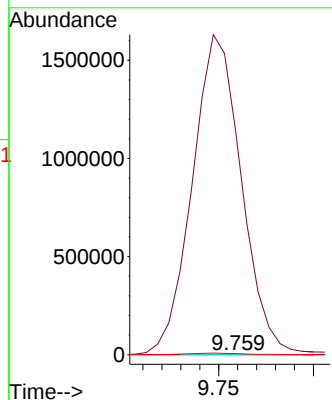
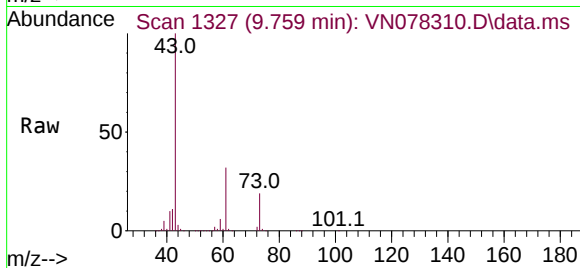
Tgt Ion: 88 Resp: 465

Ion Ratio Lower Upper

88 100

43 635195.1 17.0 25.6#

58 3351.8 47.0 70.4#



#50

Toluene-d8

Concen: 47.836 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078310.D

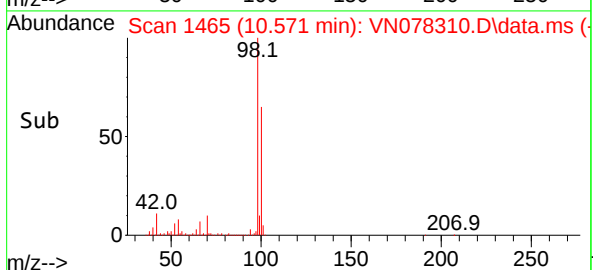
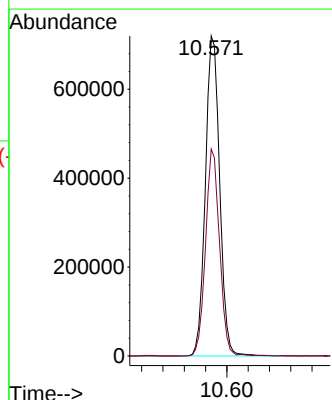
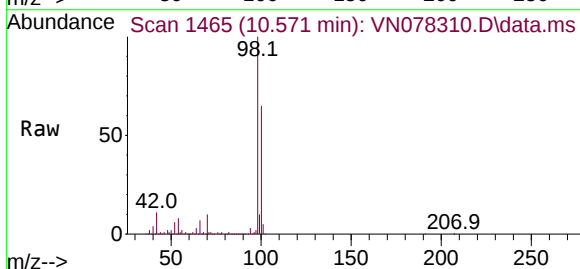
Acq: 20 Jun 2023 15:24

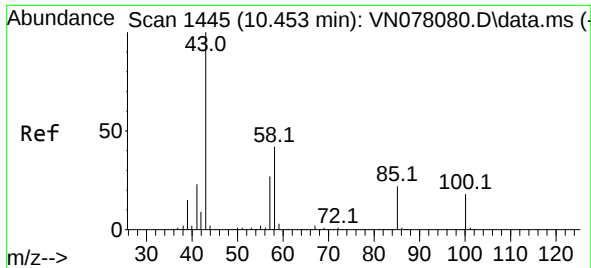
Tgt Ion: 98 Resp: 1338370

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

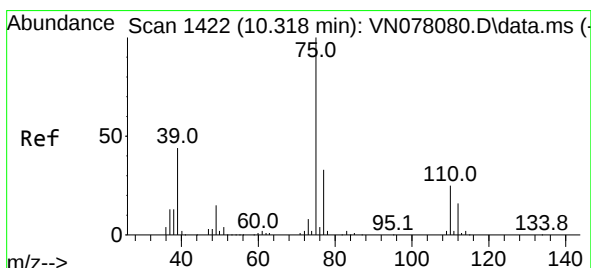
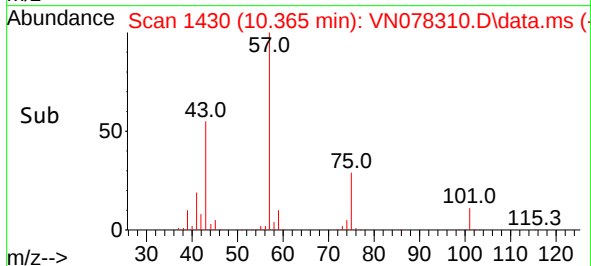
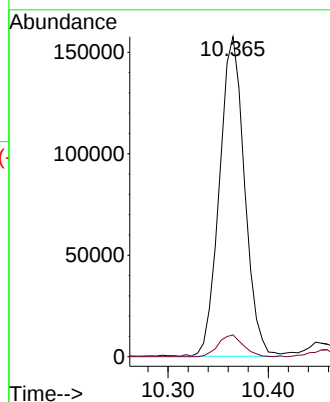
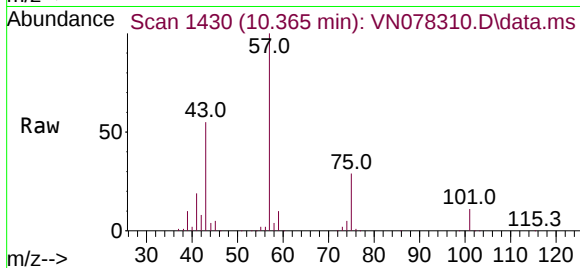




#51
4-Methyl-2-Pentanone
Concen: 33.376 ug/l
RT: 10.365 min Scan# 1445
Delta R.T. -0.088 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

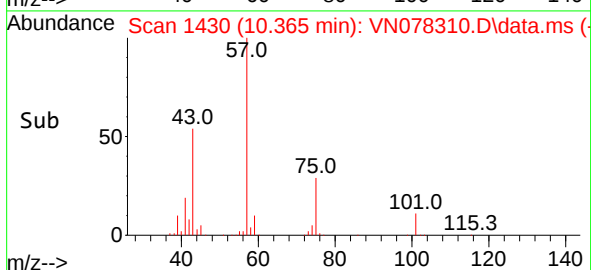
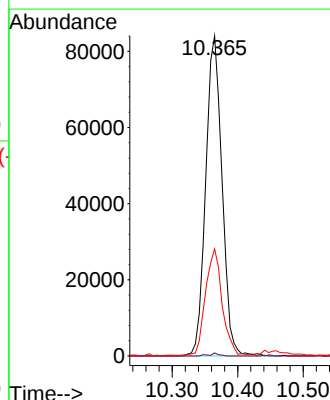
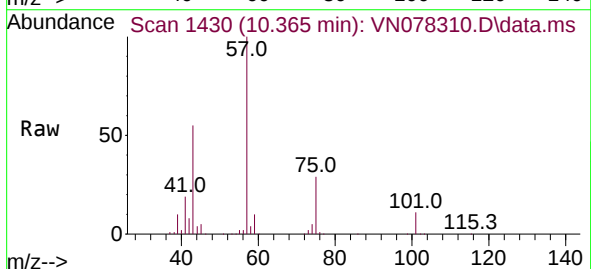
Instrument :
MSVOA_N
ClientSampleId :
WC-23

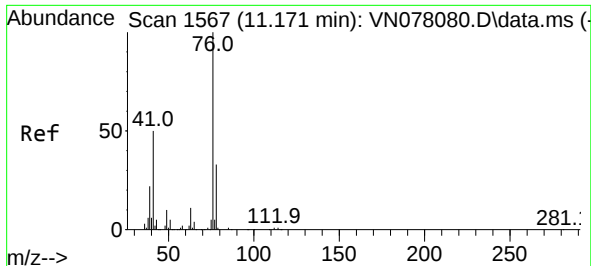
Tgt Ion: 43 Resp: 273342
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 11.975 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 75 Resp: 145851
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 33.3 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.324 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078310.D

Acq: 20 Jun 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :

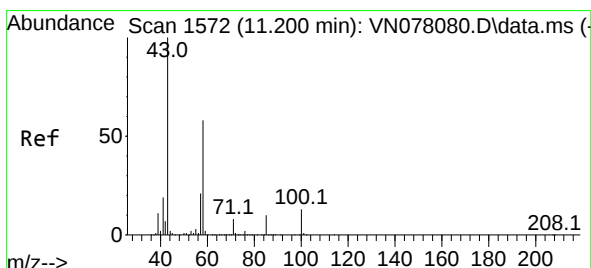
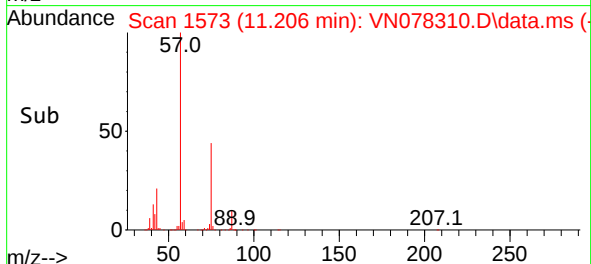
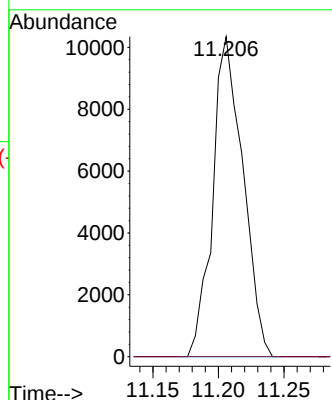
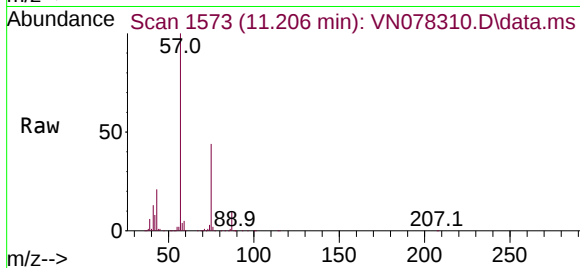
WC-23

Tgt Ion: 76 Resp: 16594

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.031 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078310.D

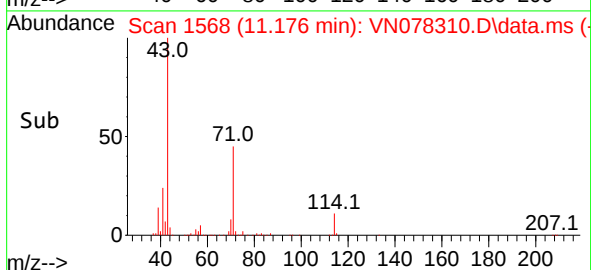
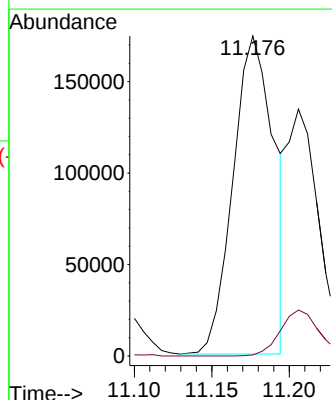
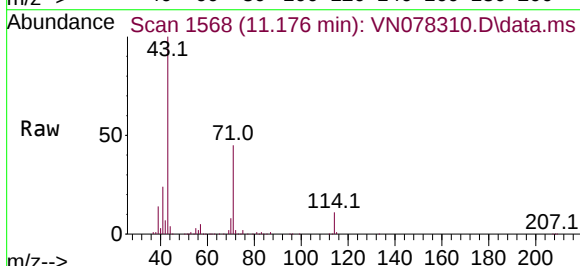
Acq: 20 Jun 2023 15:24

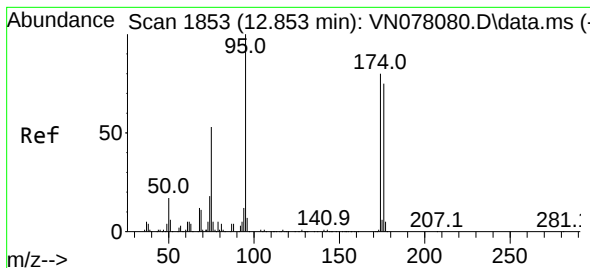
Tgt Ion: 43 Resp: 319515

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

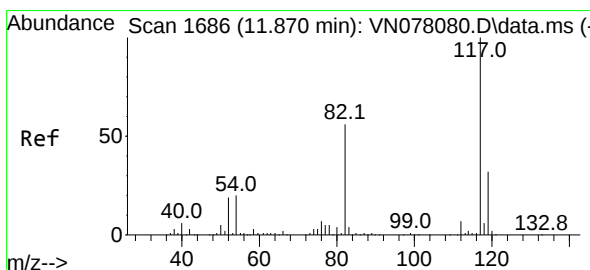
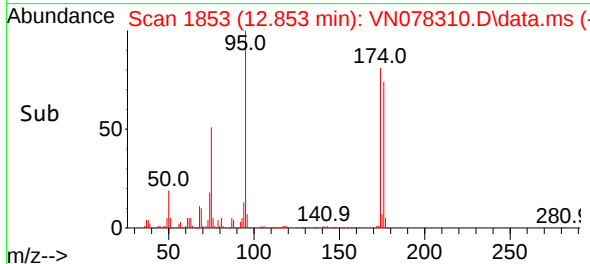
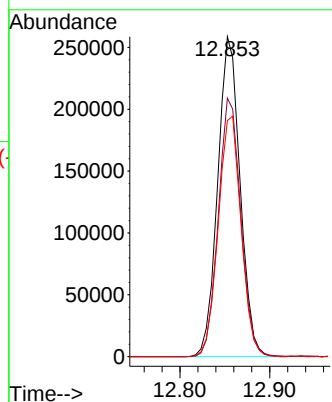
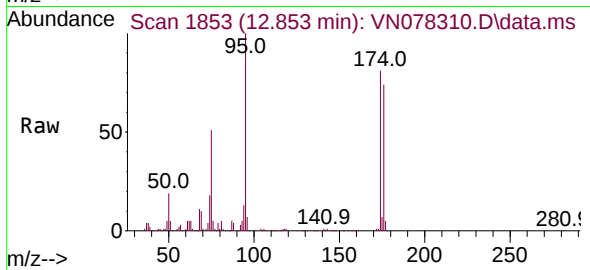




#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

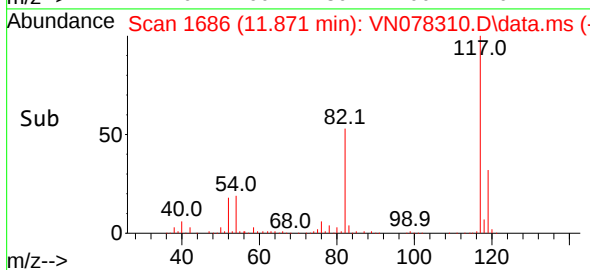
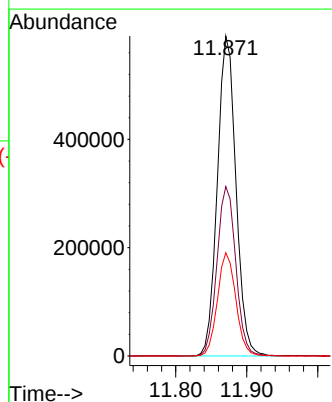
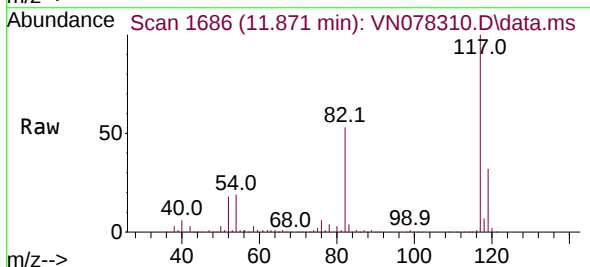
Instrument :
MSVOA_N
ClientSampleId :
WC-23

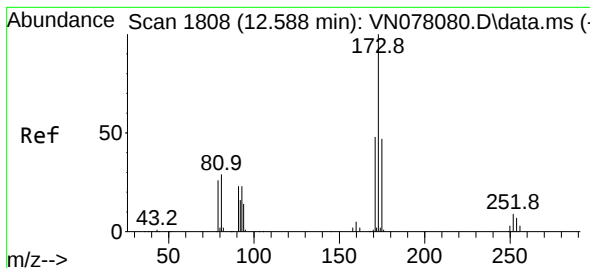
Tgt Ion: 95 Resp: 447364
Ion Ratio Lower Upper
95 100
174 81.4 0.0 143.8
176 76.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 117 Resp: 1070432
Ion Ratio Lower Upper
117 100
82 53.0 44.0 66.0
119 32.2 25.6 38.4





#71

Bromoform

Concen: 0.713 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.271 min

Lab File: VN078310.D

Acq: 20 Jun 2023 15:24

Instrument :

MSVOA_N

ClientSampleId :

WC-23

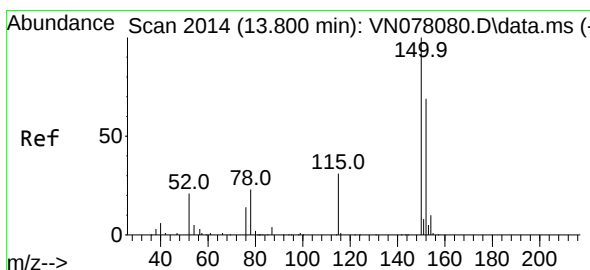
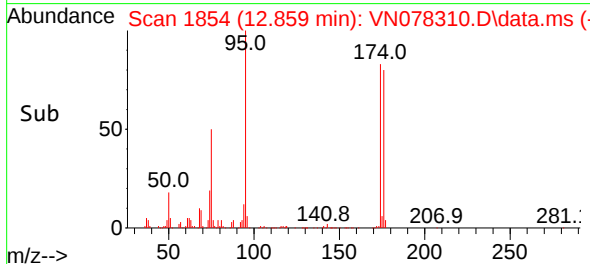
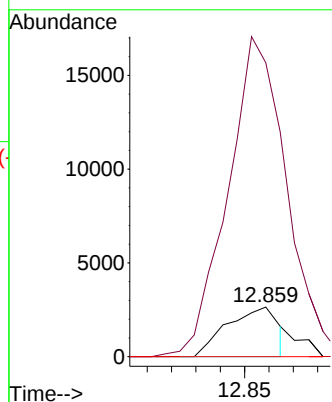
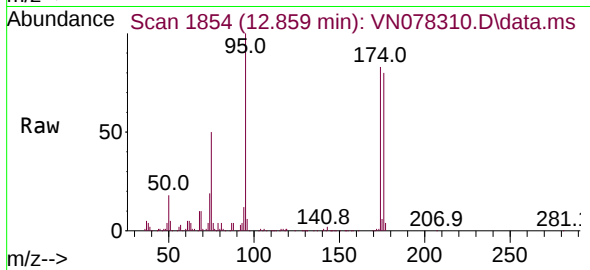
Tgt Ion:173 Resp: 3877

Ion Ratio Lower Upper

173 100

175 633.4 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: VN078310.D

Acq: 20 Jun 2023 15:24

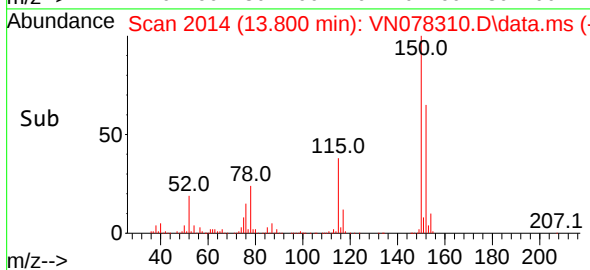
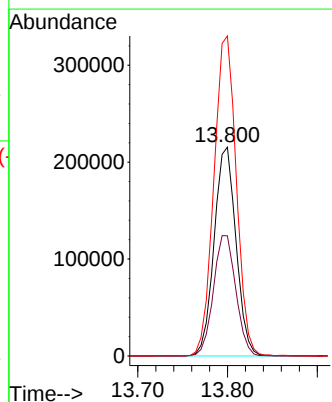
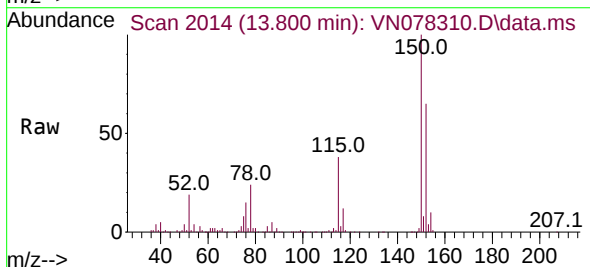
Tgt Ion:152 Resp: 365131

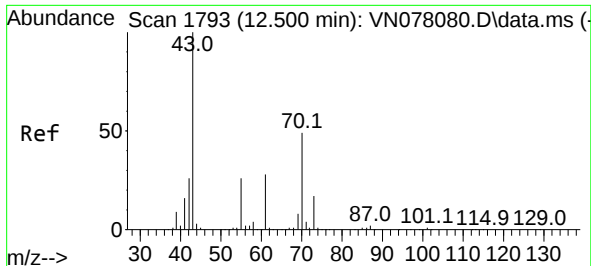
Ion Ratio Lower Upper

152 100

115 59.1 32.3 96.8

150 156.9 0.0 355.8

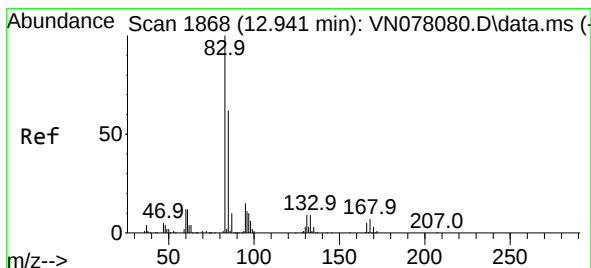
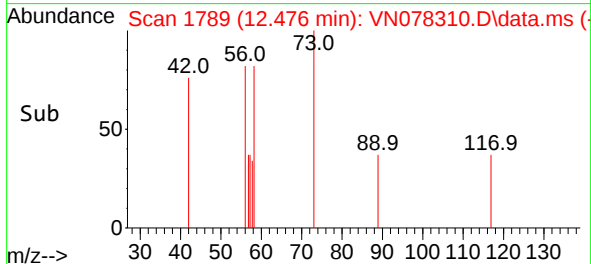
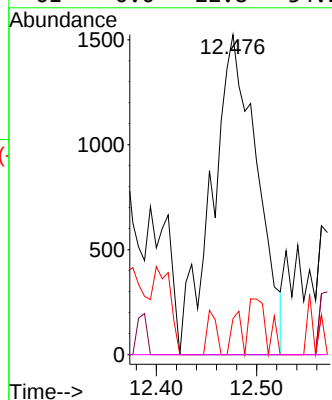
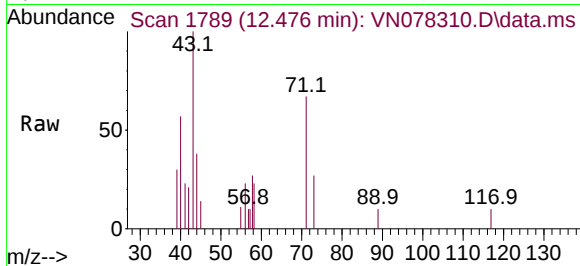




#74
N-amy1 acetate
Concen: 0.417 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.023 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

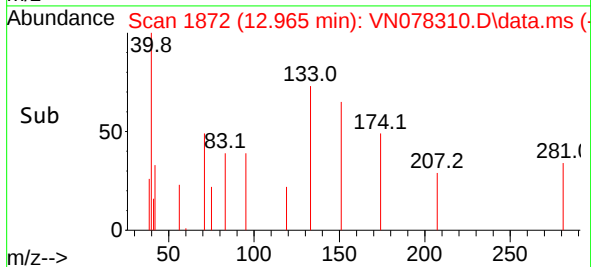
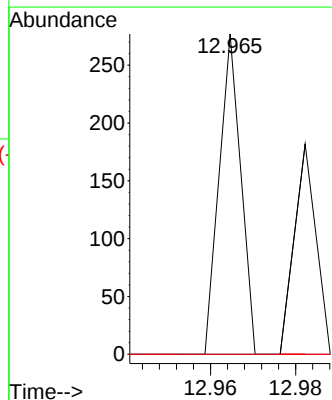
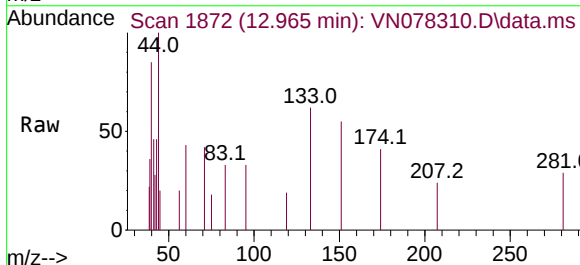
Instrument :
MSVOA_N
ClientSampleId :
WC-23

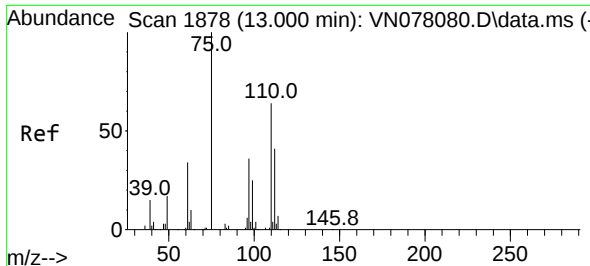
Tgt Ion: 43	Resp: 4739
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 2.8	21.4 32.0#
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.965 min Scan# 1872
Delta R.T. 0.024 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 83	Resp: 98
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 15.0#
85 0.0	31.9 95.7#

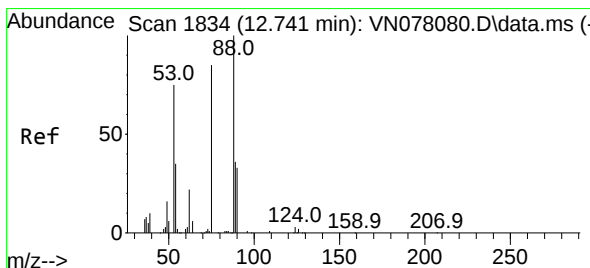
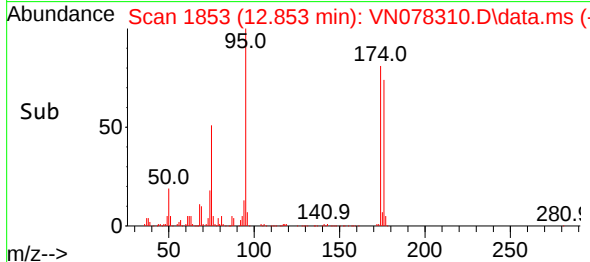
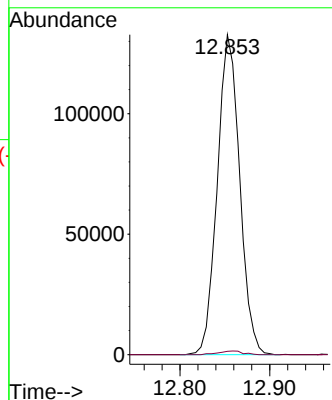
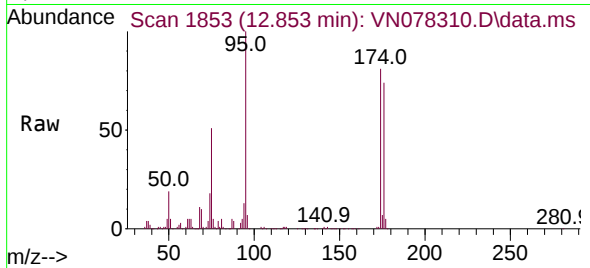




#76
1,2,3-Trichloropropane
Concen: 26.658 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Instrument :
MSVOA_N
ClientSampleId :
WC-23

Tgt Ion: 75 Resp: 230104
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.901 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078310.D
Acq: 20 Jun 2023 15:24

Tgt Ion: 75 Resp: 230104
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

