

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080905.D
 Acq On : 05 Feb 2024 18:38
 Operator : JC\MD
 Sample : P1362-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Feb 06 04:46:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

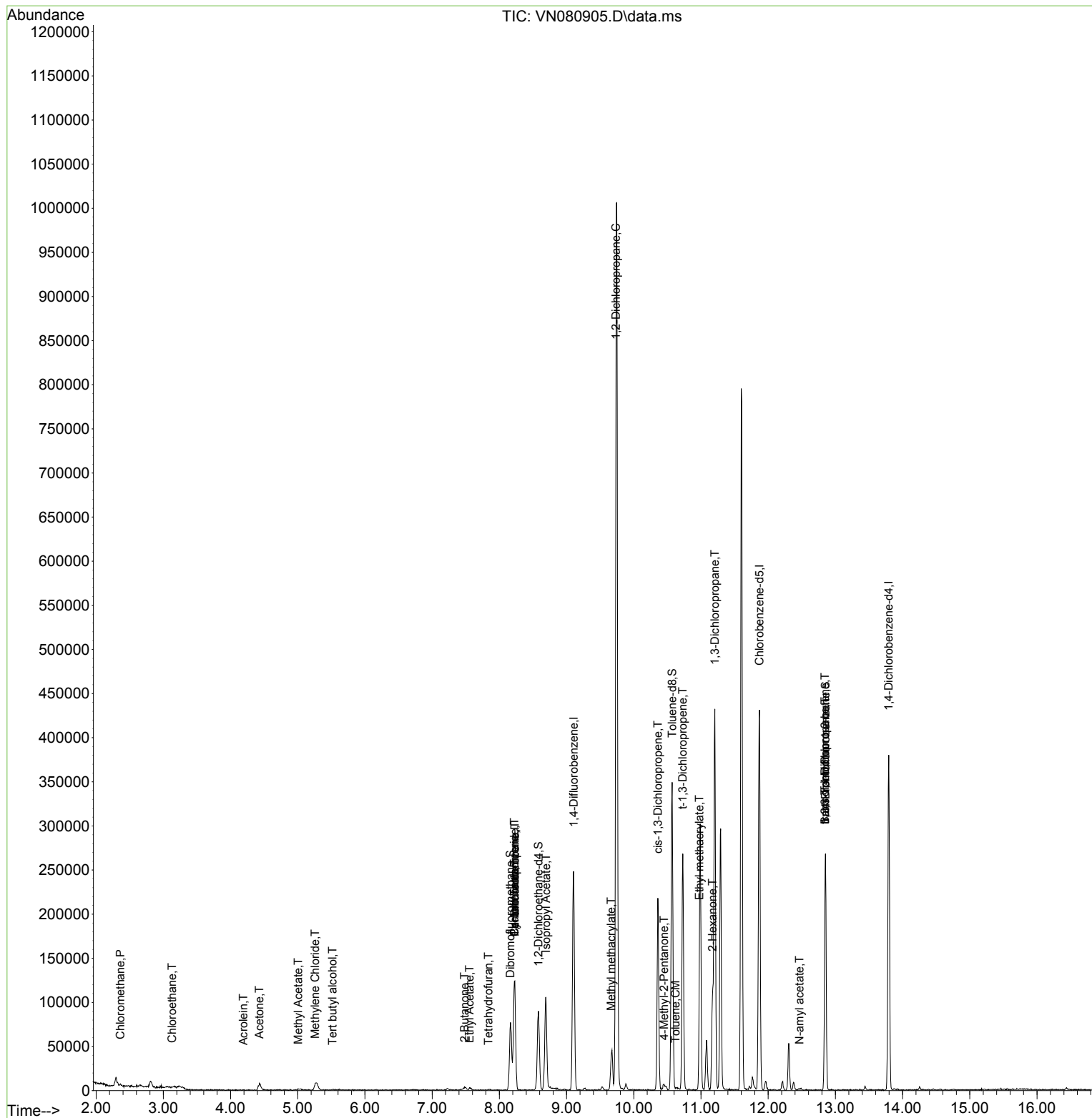
Internal Standards						
1) Pentafluorobenzene	8.230	168	78699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	217515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	68879	50.591	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.165	113	52679	44.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.700%			
50) Toluene-d8	10.571	98	219068	47.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.240%			
62) 4-Bromofluorobenzene	12.853	95	88477	54.615	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	2059	1.172	ug/l #	70
6) Chloroethane	3.130	64	475	0.667	ug/l #	42
11) Tert butyl alcohol	5.518	59	192	0.865	ug/l #	72
13) Acrolein	4.189	56	119	0.425	ug/l #	72
16) Acetone	4.430	43	12164	24.635	ug/l	99
18) Methyl Acetate	5.006	43	3178	1.847	ug/l #	69
20) Methylene Chloride	5.259	84	2521	1.945	ug/l	90
25) 2-Butanone	7.483	43	5781	6.164	ug/l #	80
29) Tetrahydrofuran	7.836	42	732	1.153	ug/l #	48
31) Cyclohexane	8.224	56	2916	1.249	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	9372	4.245	ug/l #	46
37) Ethyl Acetate	7.559	43	3660	1.610	ug/l #	92
38) Carbon Tetrachloride	8.224	117	9718	5.463	ug/l #	16
43) Isopropyl Acetate	8.694	43	124511	30.092	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1583	0.901	ug/l #	42
48) Methyl methacrylate	9.665	41	2885	1.438	ug/l #	48
51) 4-Methyl-2-Pentanone	10.453	43	5857	2.532	ug/l	89
52) Toluene	10.624	92	1163	0.313	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	544	0.221	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	35135	13.123	ug/l #	66
56) Ethyl methacrylate	10.977	69	763	0.347	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4223	1.569	ug/l #	43
59) 2-Hexanone	11.171	43	92644	51.563	ug/l #	26
71) Bromoform	12.847	173	379	0.363	ug/l #	1
74) N-amyl acetate	12.465	43	1358	0.278	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	51873	20.032	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51873	51.607	ug/l #	14

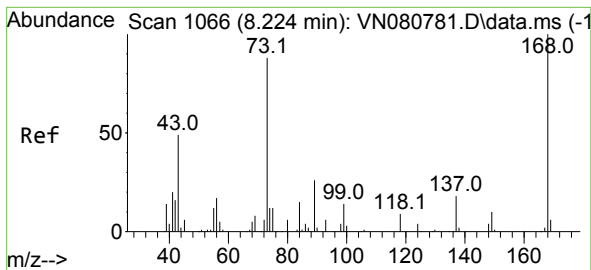
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

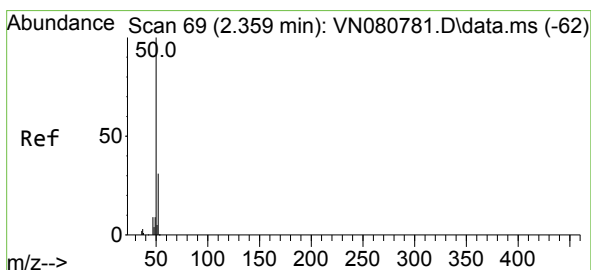
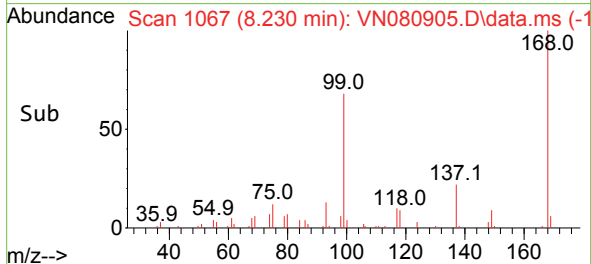
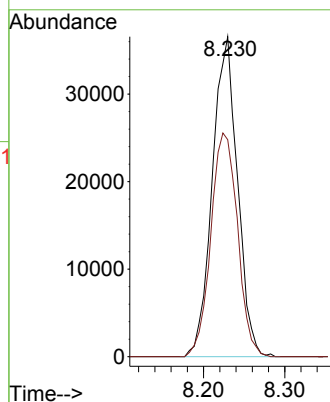
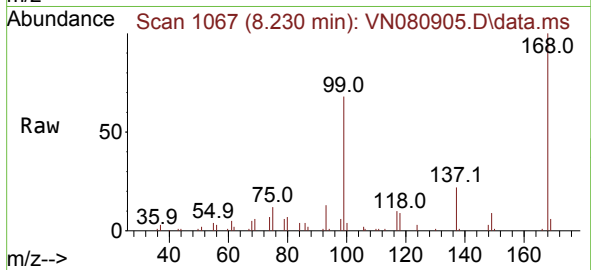
WC-3

Tgt Ion:168 Resp: 78699

Ion Ratio Lower Upper

168 100

99 67.8 59.9 89.9



#3

Chloromethane

Concen: 1.172 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080905.D

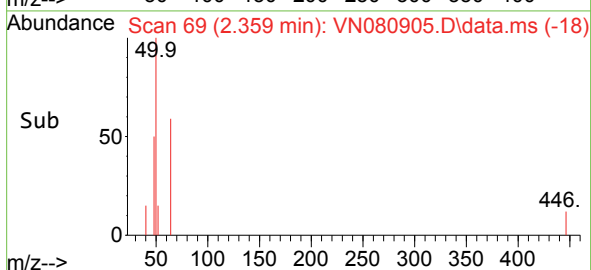
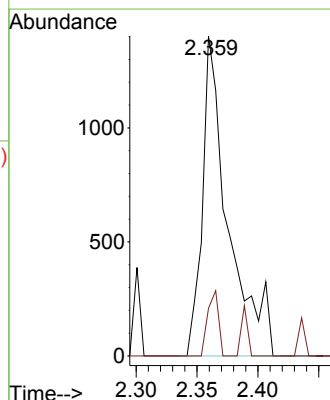
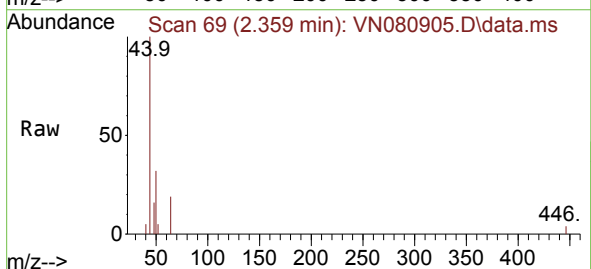
Acq: 05 Feb 2024 18:38

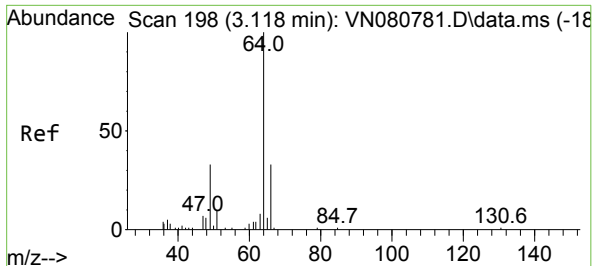
Tgt Ion: 50 Resp: 2059

Ion Ratio Lower Upper

50 100

52 14.9 25.0 37.4#

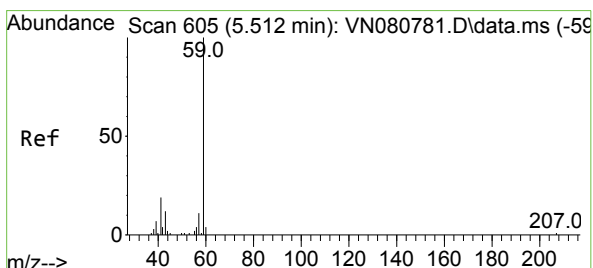
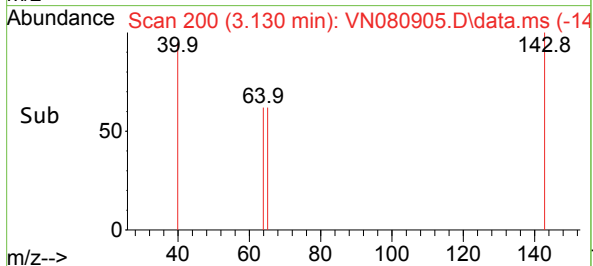
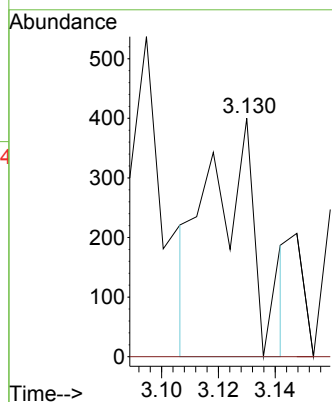
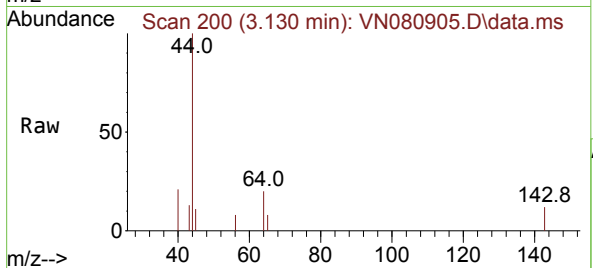




#6
Chloroethane
Concen: 0.667 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

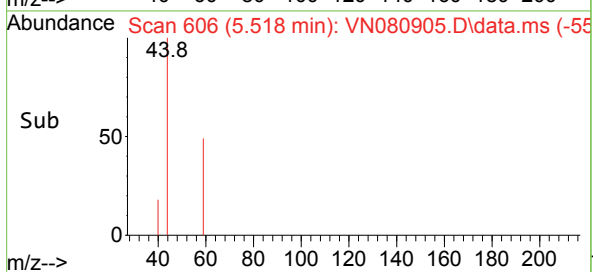
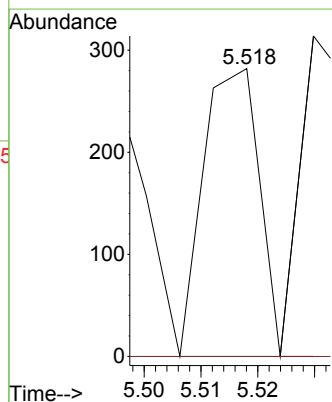
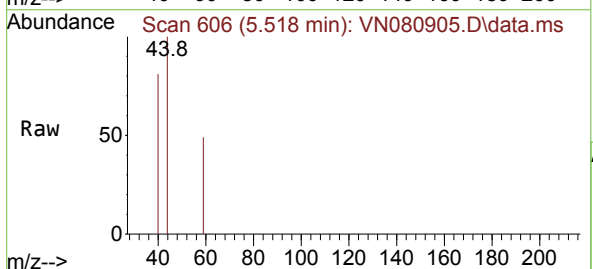
Instrument :
MSVOA_N
ClientSampleId :
WC-3

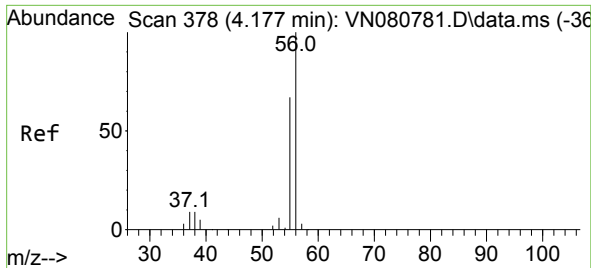
Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.865 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

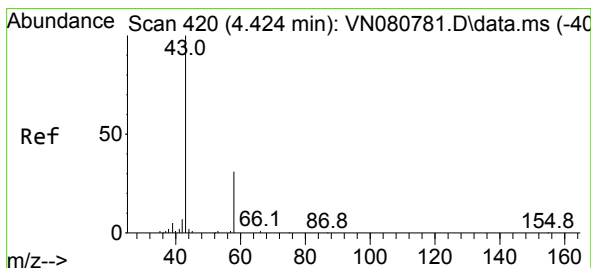
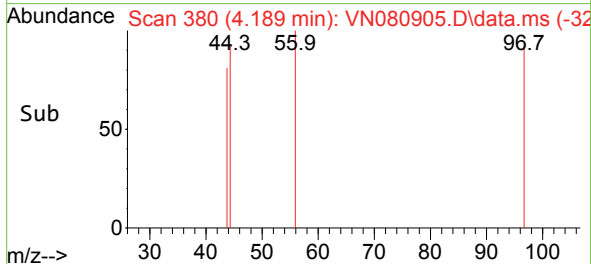
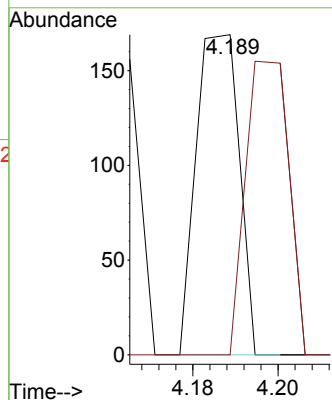
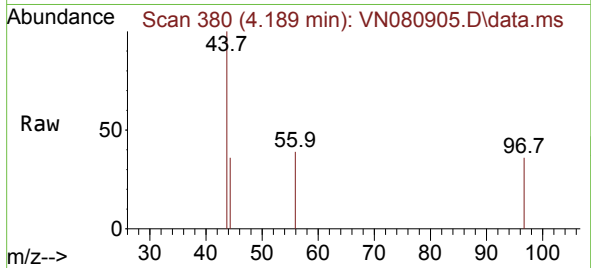




#13
Acrolein
Concen: 0.425 ug/l
RT: 4.189 min Scan# 319
Delta R.T. 0.012 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

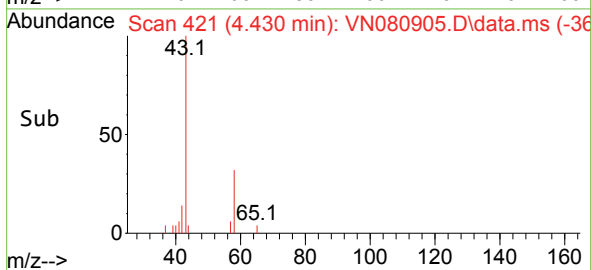
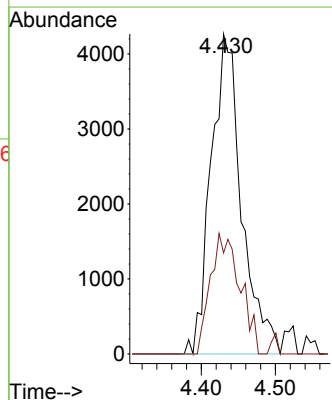
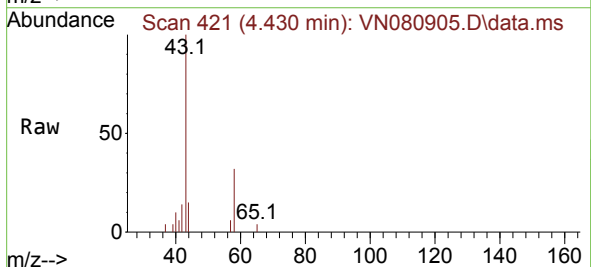
Instrument :
MSVOA_N
ClientSampleId :
WC-3

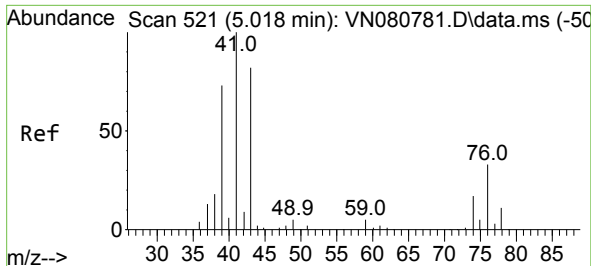
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 91.6 55.3 82.9#



#16
Acetone
Concen: 24.635 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 43 Resp: 12164
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2

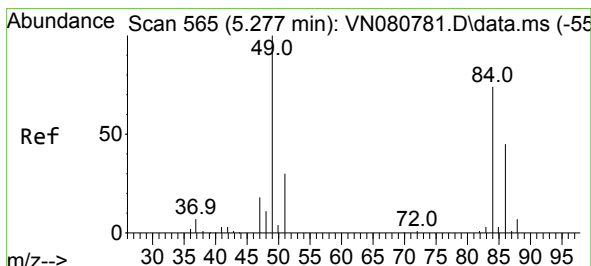
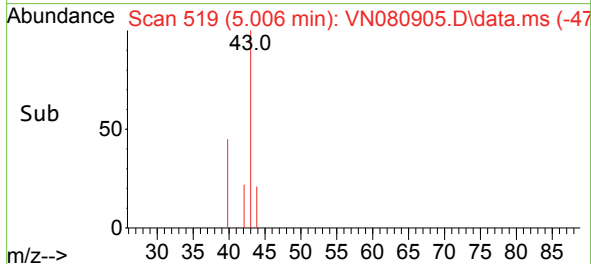
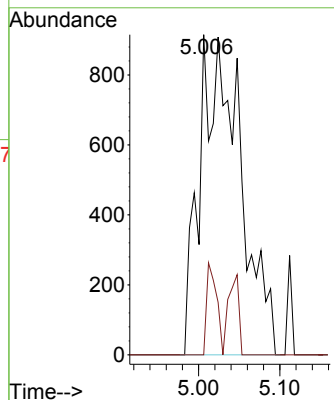
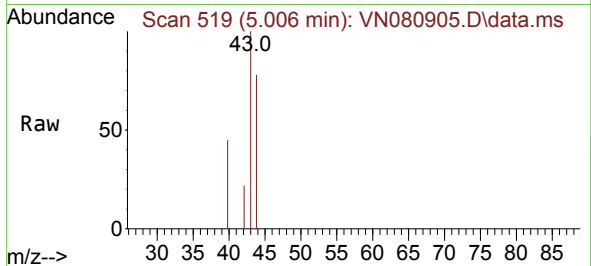




#18
Methyl Acetate
Concen: 1.847 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.012 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

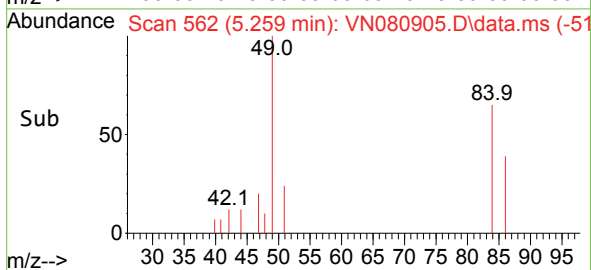
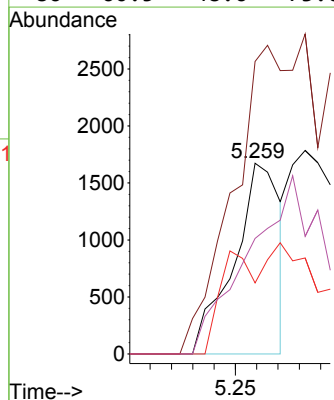
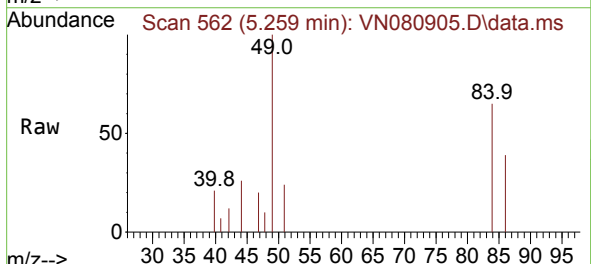
Instrument :
MSVOA_N
ClientSampleId :
WC-3

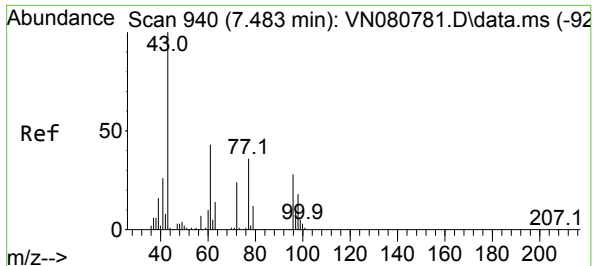
Tgt Ion: 43 Resp: 3178
Ion Ratio Lower Upper
43 100
74 7.0 17.3 25.9#



#20
Methylene Chloride
Concen: 1.945 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 84 Resp: 2521
Ion Ratio Lower Upper
84 100
49 153.3 108.1 162.1
51 37.2 32.9 49.3
86 60.5 48.6 73.0





#25

2-Butanone

Concen: 6.164 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

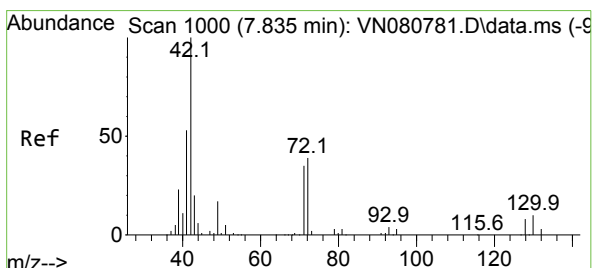
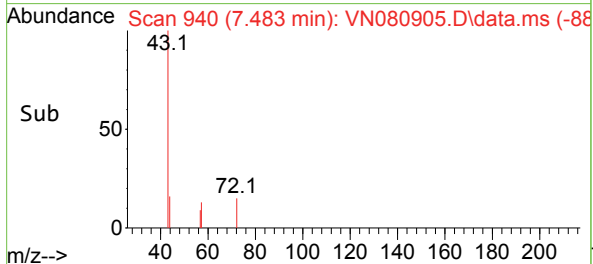
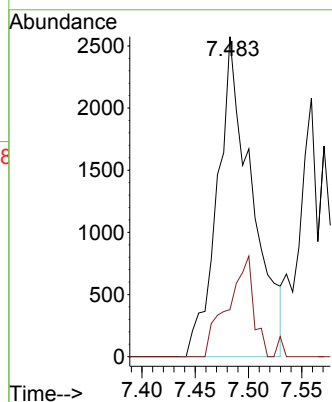
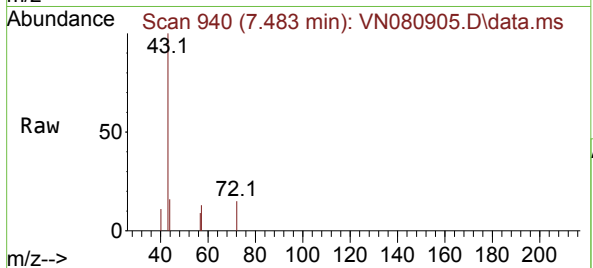
WC-3

Tgt Ion: 43 Resp: 5781

Ion Ratio Lower Upper

43 100

72 14.7 19.5 29.3#



#29

Tetrahydrofuran

Concen: 1.153 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

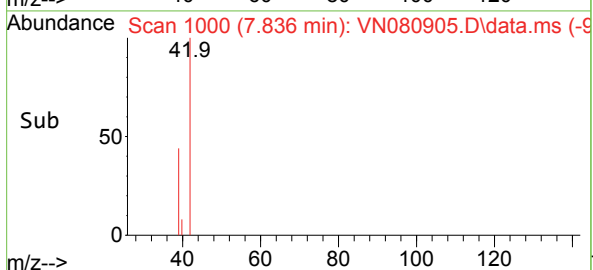
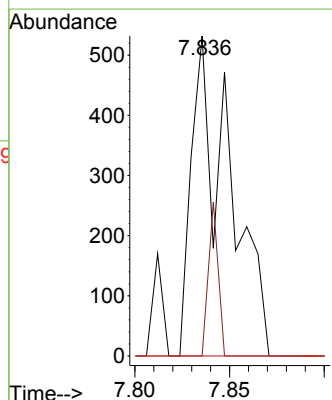
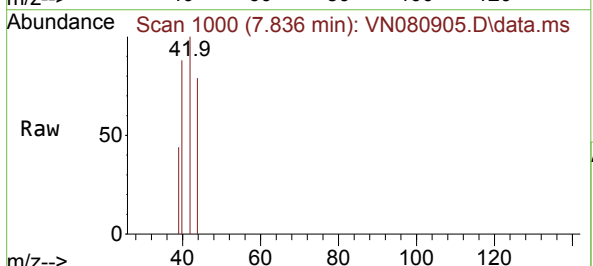
Tgt Ion: 42 Resp: 732

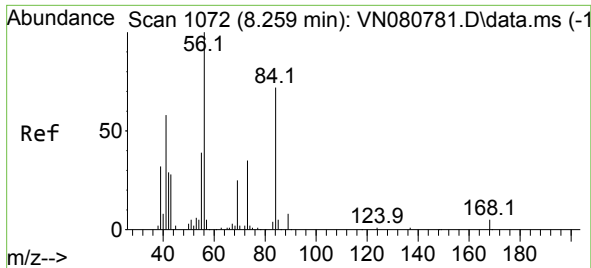
Ion Ratio Lower Upper

42 100

72 12.3 31.1 46.7#

71 0.0 28.3 42.5#

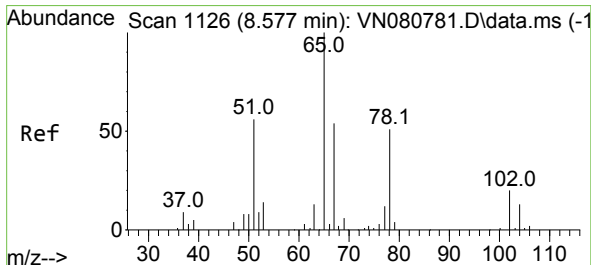
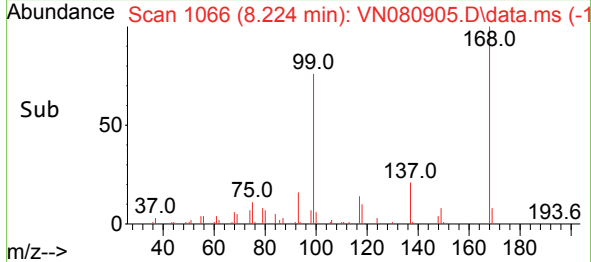
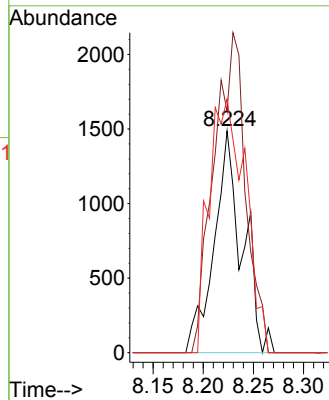
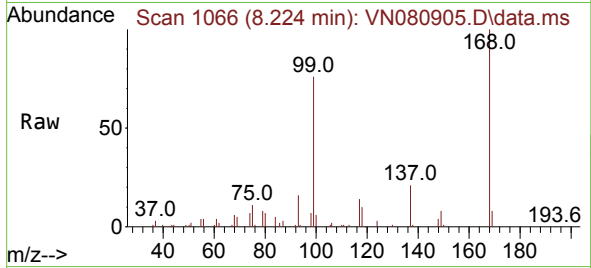




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

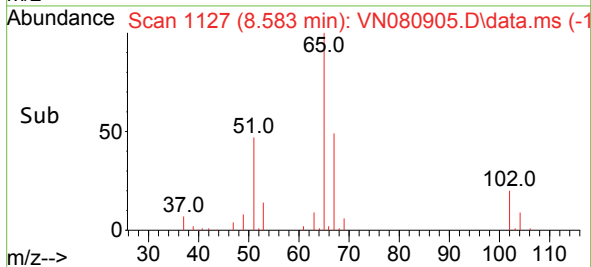
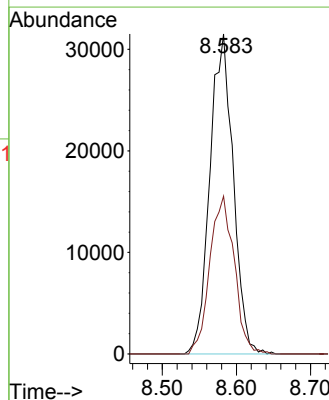
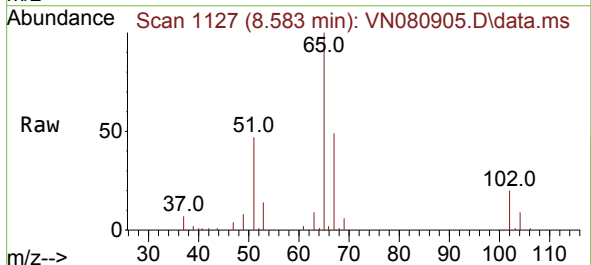
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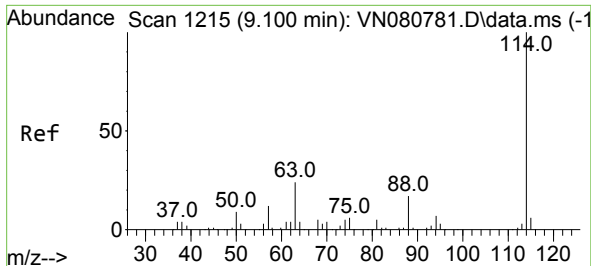
Tgt Ion: 56 Resp: 2916
Ion Ratio Lower Upper
56 100
69 108.8 20.1 30.1#
84 114.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.591 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 65 Resp: 68879
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

WC-3

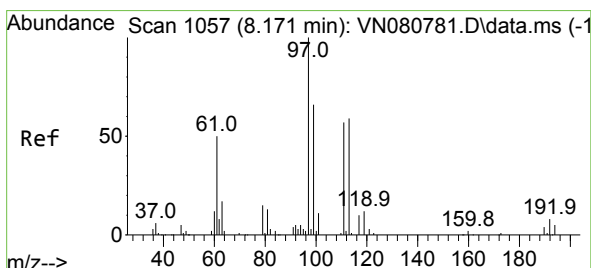
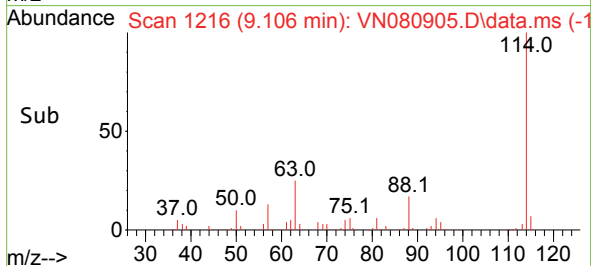
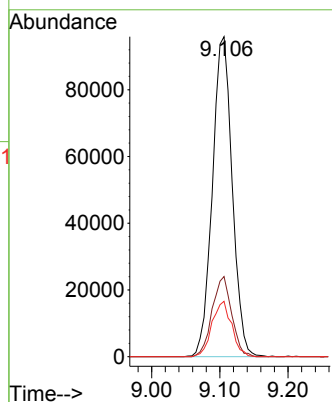
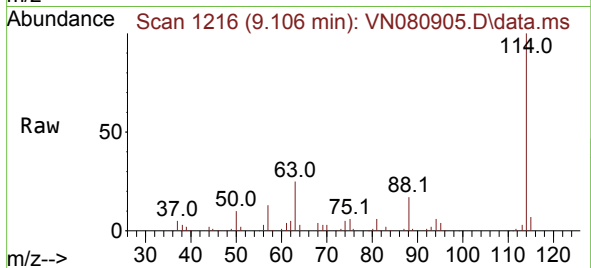
Tgt Ion:114 Resp: 194145

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.0

88 17.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 44.351 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

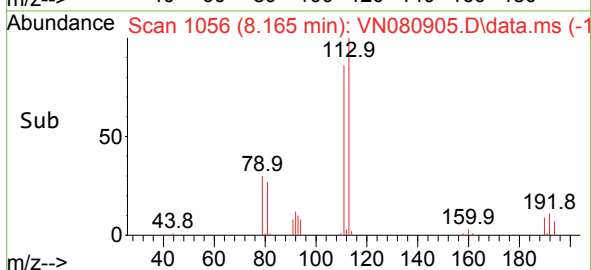
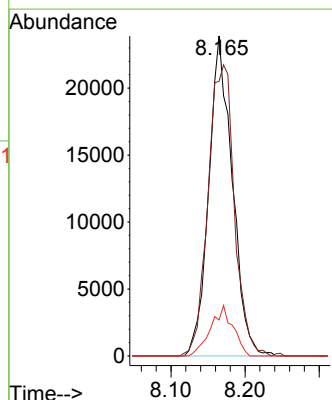
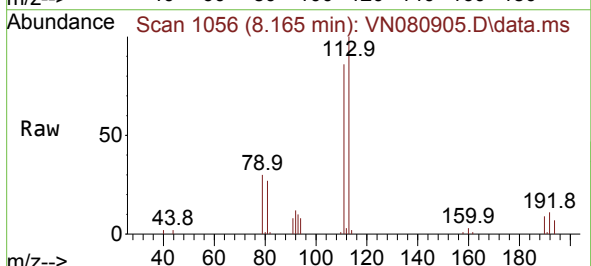
Tgt Ion:113 Resp: 52679

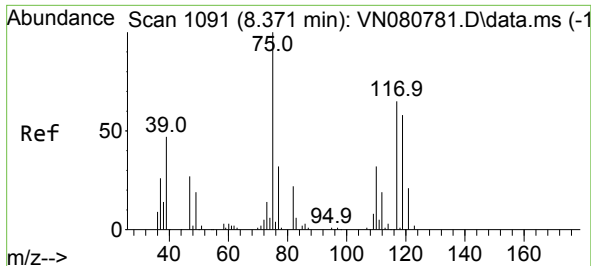
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 14.9 12.5 18.7

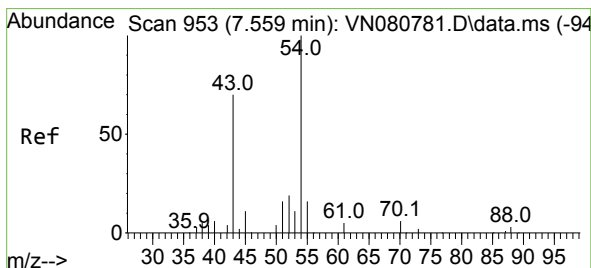
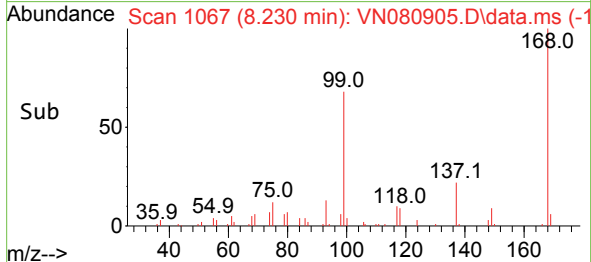
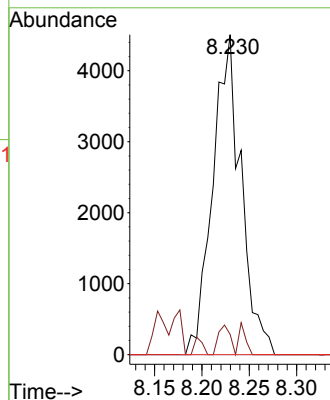
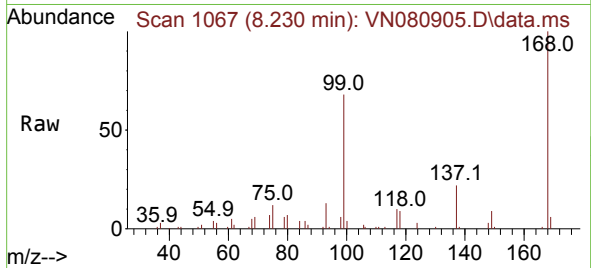




#36
 1,1-Dichloropropene
 Concen: 4.245 ug/l
 RT: 8.230 min Scan# 1091
 Delta R.T. -0.141 min
 Lab File: VN080905.D
 Acq: 05 Feb 2024 18:38

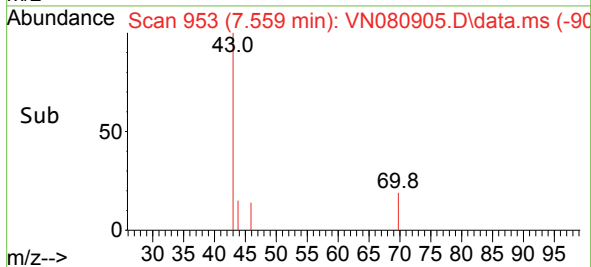
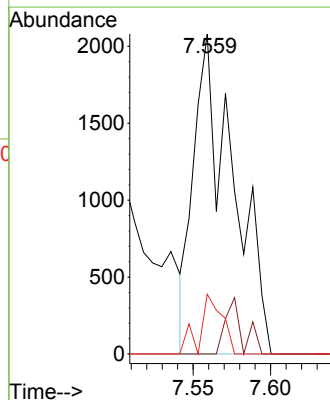
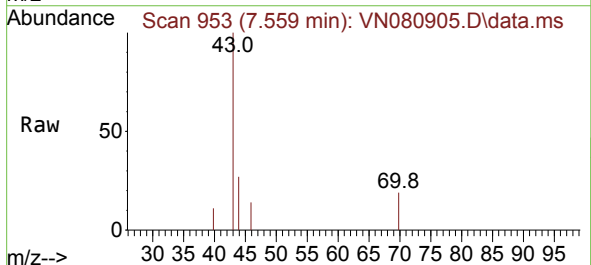
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

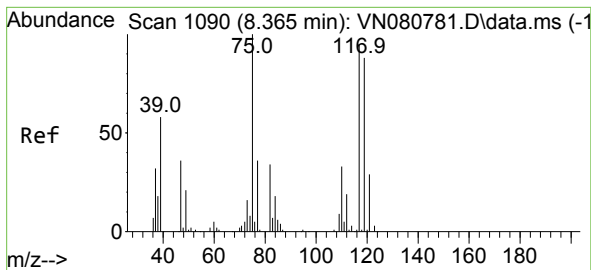
Tgt Ion: 75 Resp: 9372
 Ion Ratio Lower Upper
 75 100
 110 3.9 16.0 48.0#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 1.610 ug/l
 RT: 7.559 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: VN080905.D
 Acq: 05 Feb 2024 18:38

Tgt Ion: 43 Resp: 3660
 Ion Ratio Lower Upper
 43 100
 61 7.8 10.6 15.8#
 70 10.6 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

WC-3

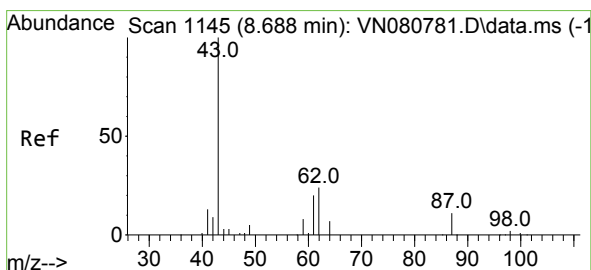
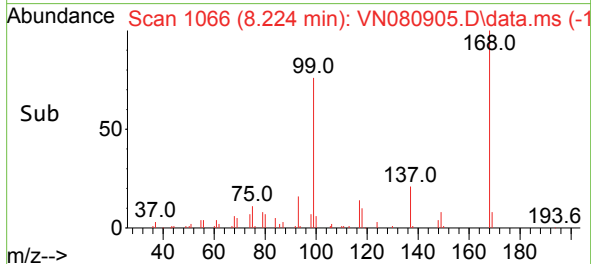
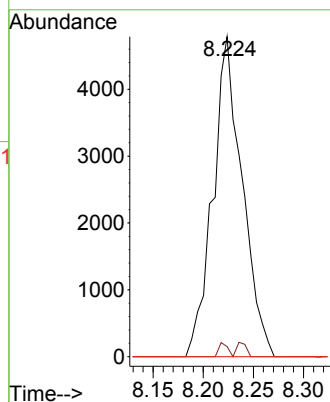
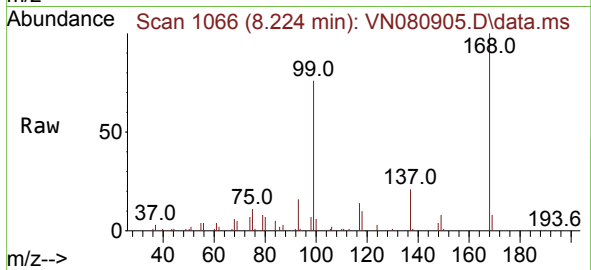
Tgt Ion:117 Resp: 9718

Ion Ratio Lower Upper

117 100

119 3.1 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 30.092 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

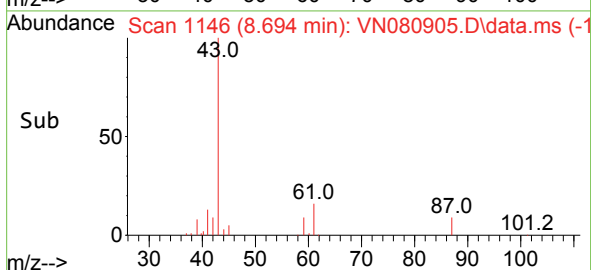
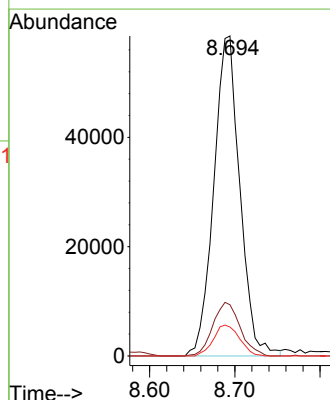
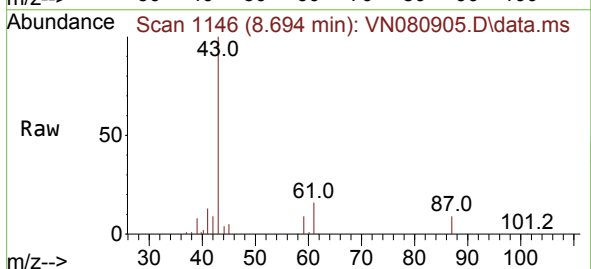
Tgt Ion: 43 Resp: 124511

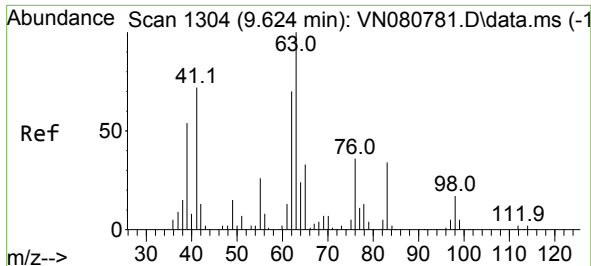
Ion Ratio Lower Upper

43 100

61 17.5 19.9 29.9#

87 9.7 9.0 13.6

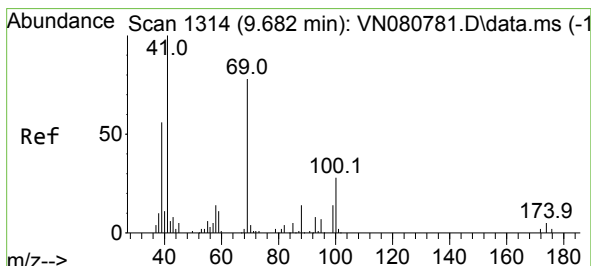
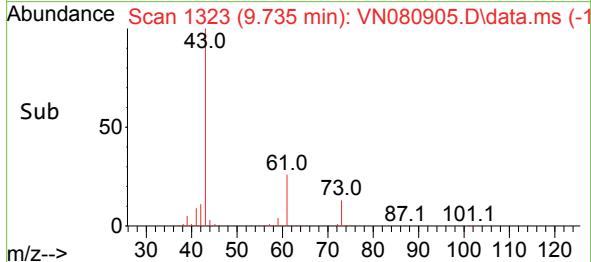
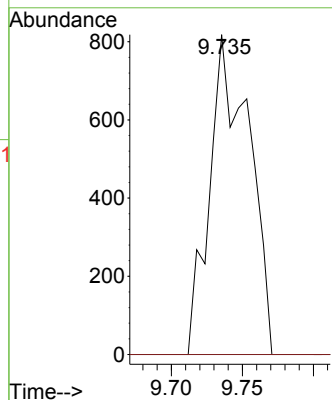
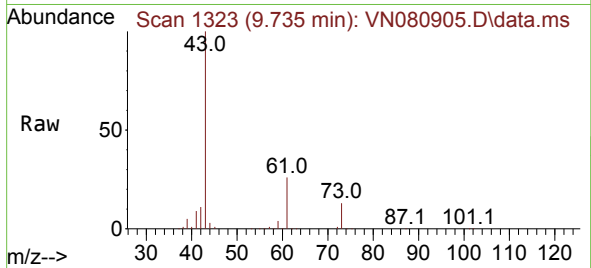




#45
1,2-Dichloropropane
Concen: 0.901 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

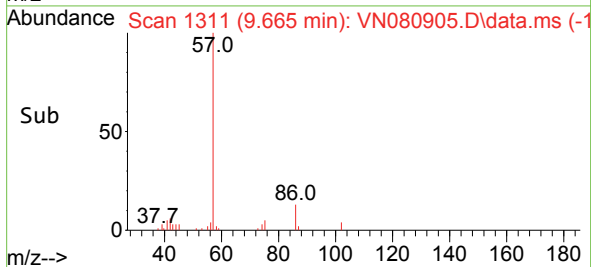
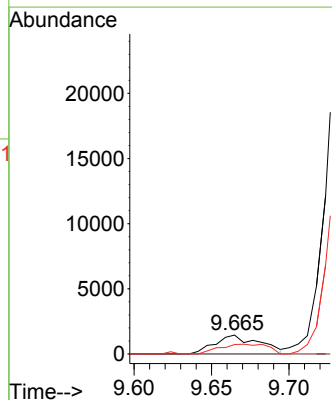
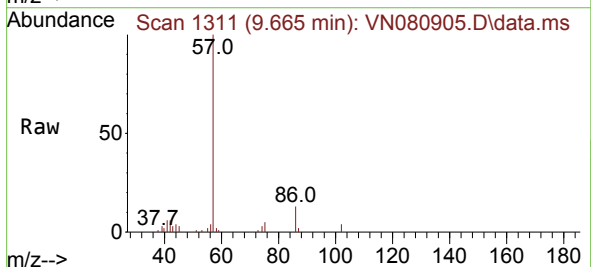
Instrument :
MSVOA_N
ClientSampleId :
WC-3

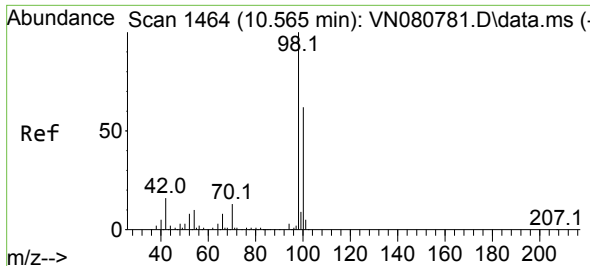
Tgt Ion: 63 Resp: 1583
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.438 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 41 Resp: 2885
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 56.4 47.6 71.4

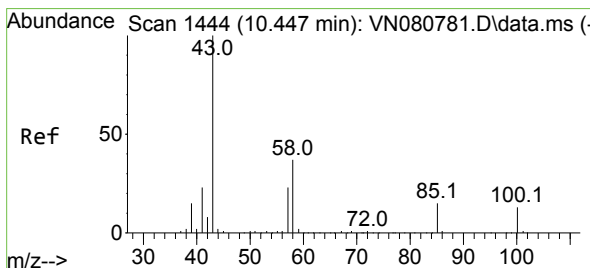
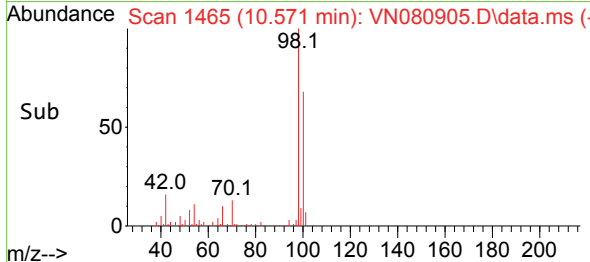
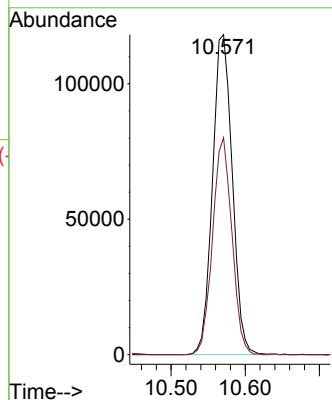
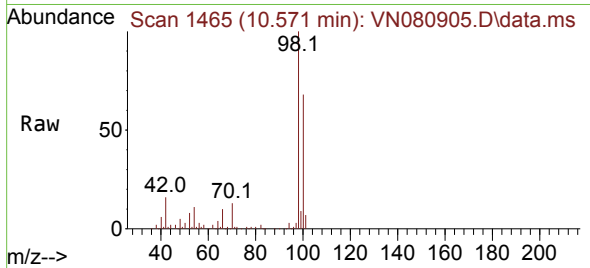




#50
Toluene-d8
Concen: 47.122 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

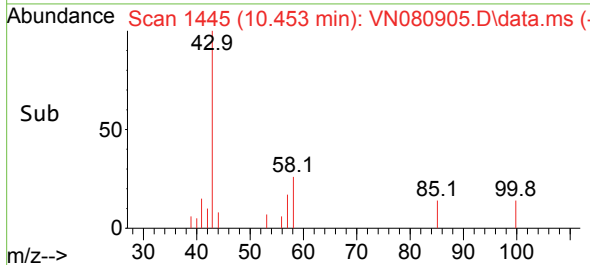
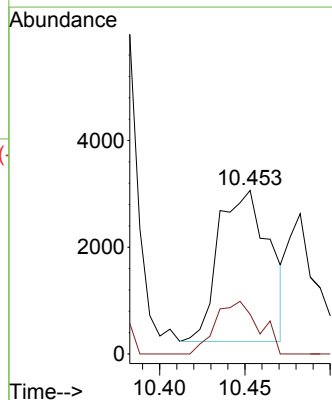
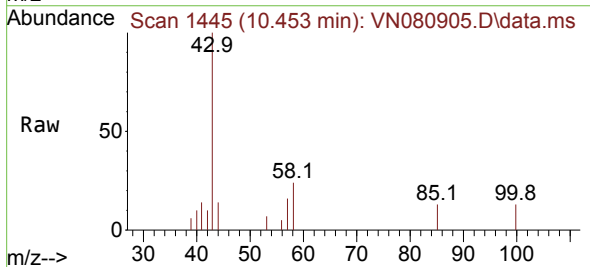
Instrument :
MSVOA_N
ClientSampleId :
WC-3

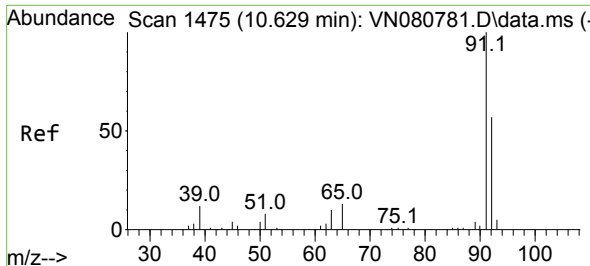
Tgt Ion: 98 Resp: 219068
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.532 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
58 29.9 29.4 44.0

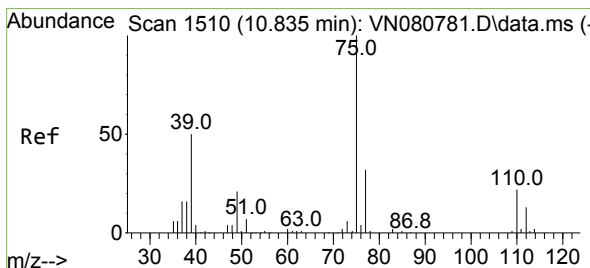
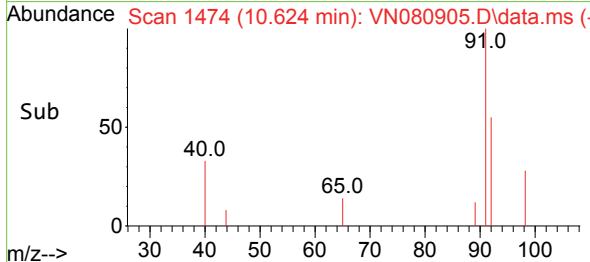
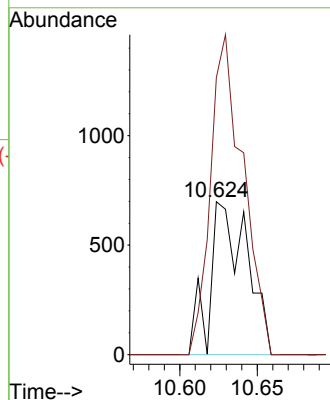
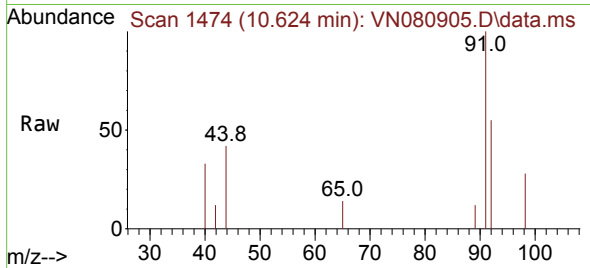




#52
Toluene
Concen: 0.313 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

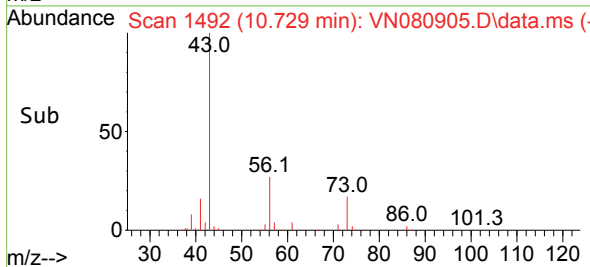
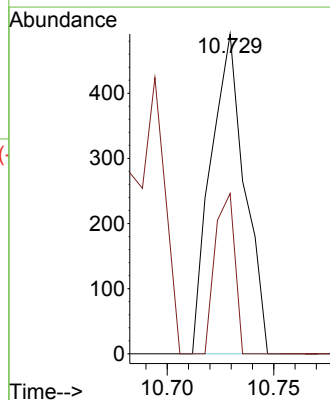
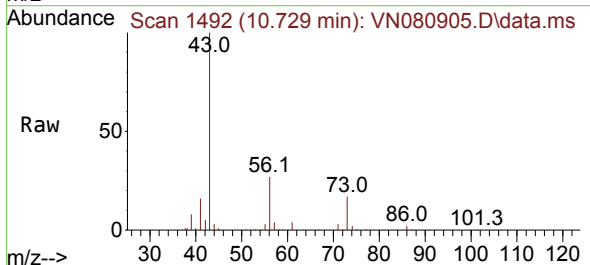
Instrument :
MSVOA_N
ClientSampleId :
WC-3

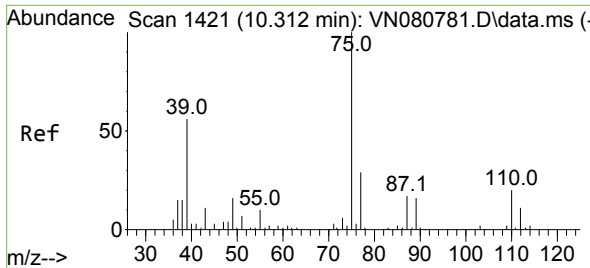
Tgt Ion: 92 Resp: 1163
Ion Ratio Lower Upper
92 100
91 183.6 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 75 Resp: 544
Ion Ratio Lower Upper
75 100
77 50.1 25.5 38.3#

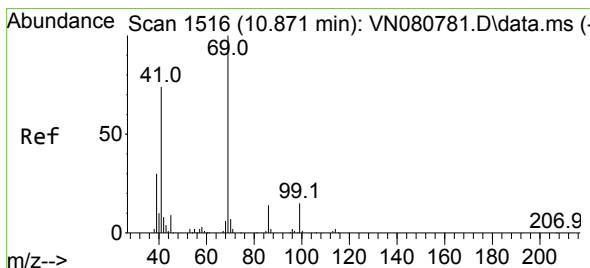
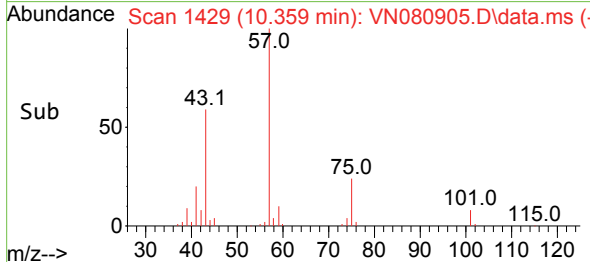
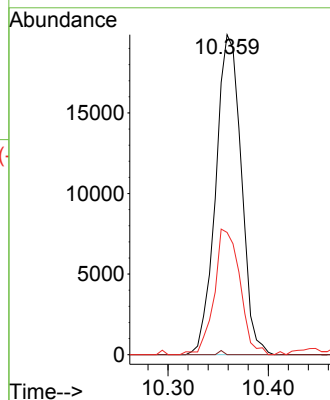
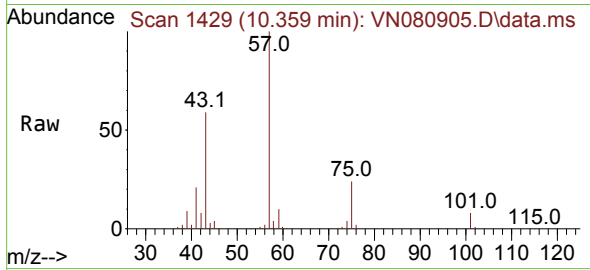




#54
 cis-1,3-Dichloropropene
 Concen: 13.123 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080905.D
 Acq: 05 Feb 2024 18:38

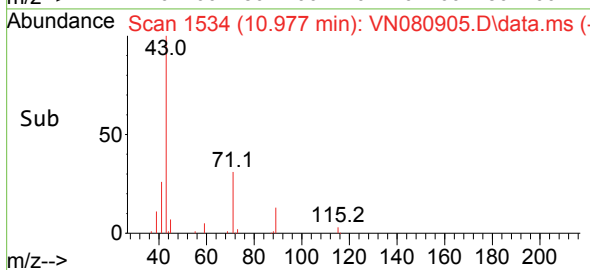
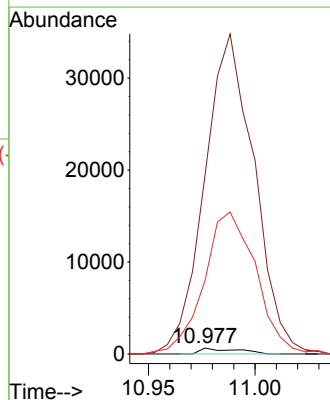
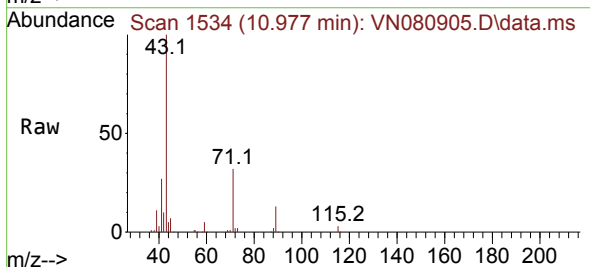
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

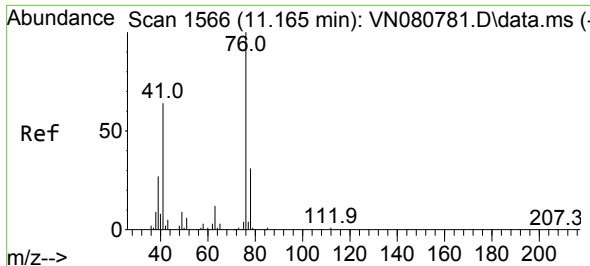
Tgt Ion: 75 Resp: 35135
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 38.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.347 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN080905.D
 Acq: 05 Feb 2024 18:38

Tgt Ion: 69 Resp: 763
 Ion Ratio Lower Upper
 69 100
 41 7403.8 61.0 91.6#
 39 3441.5 31.8 47.6#

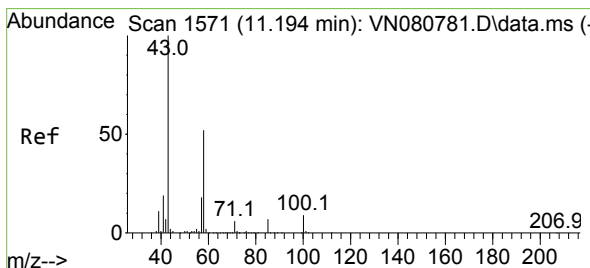
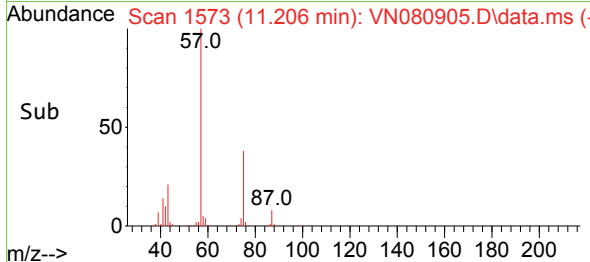
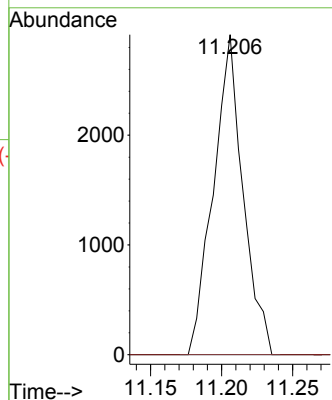
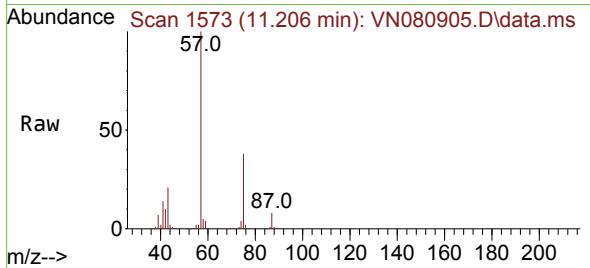




#57
1,3-Dichloropropane
Concen: 1.569 ug/l
RT: 11.206 min Scan# 1567
Delta R.T. 0.041 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

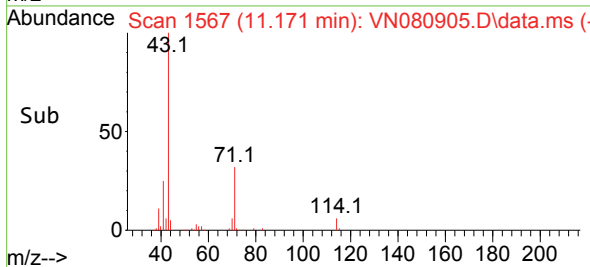
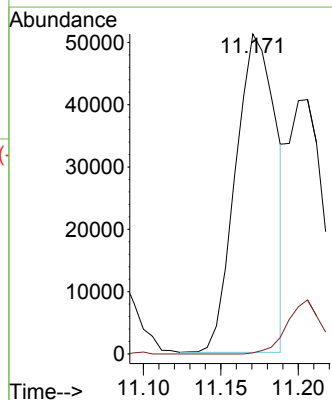
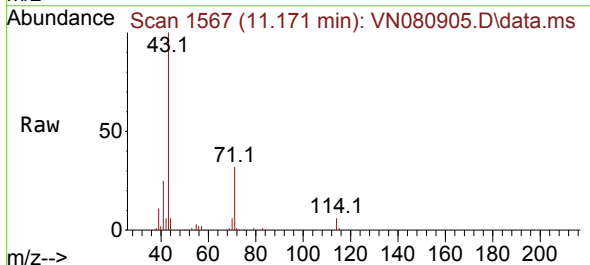
Instrument :
MSVOA_N
ClientSampleId :
WC-3

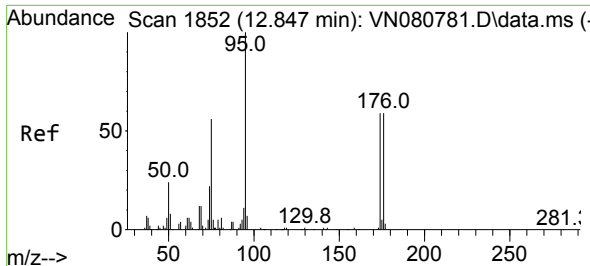
Tgt Ion: 76 Resp: 4223
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 51.563 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 43 Resp: 92644
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

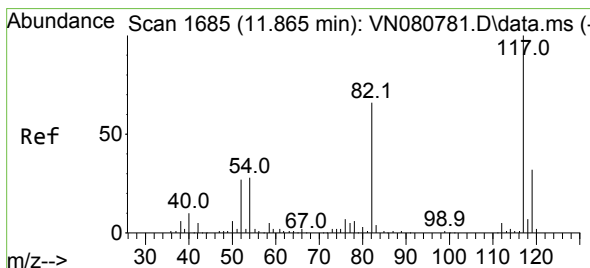
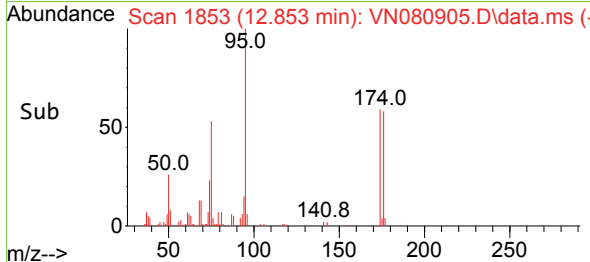
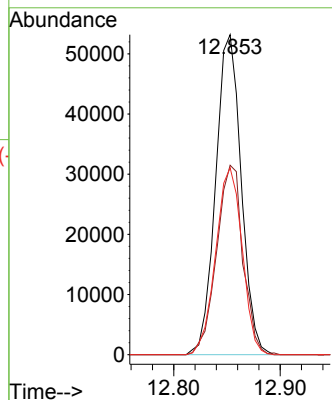
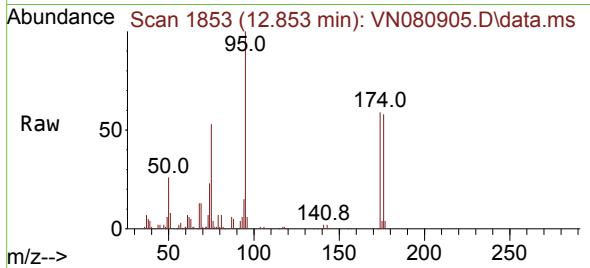




#62
4-Bromofluorobenzene
Concen: 54.615 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

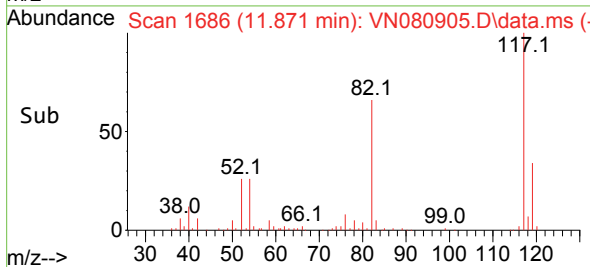
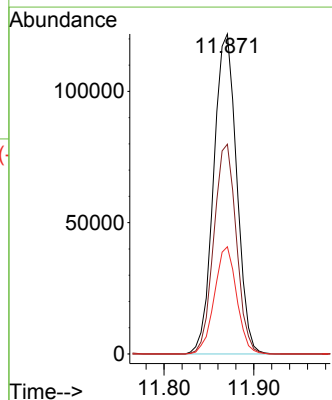
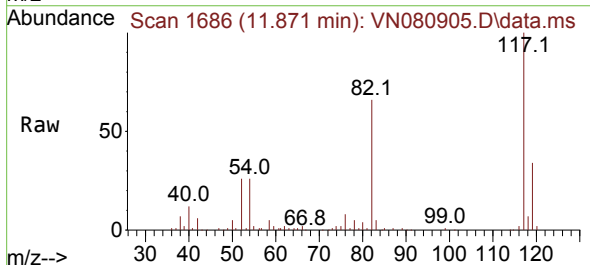
Instrument :
MSVOA_N
ClientSampleId :
WC-3

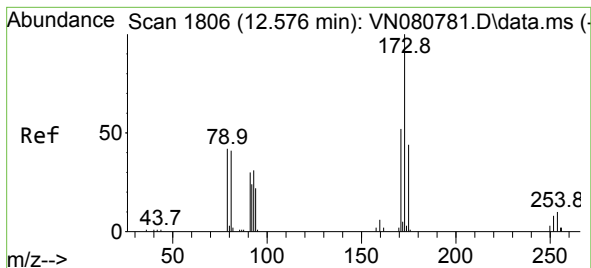
Tgt Ion: 95 Resp: 88477
Ion Ratio Lower Upper
95 100
174 61.2 0.0 120.4
176 60.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 117 Resp: 217515
Ion Ratio Lower Upper
117 100
82 65.6 52.7 79.1
119 33.5 25.3 37.9





#71

Bromoform

Concen: 0.363 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

WC-3

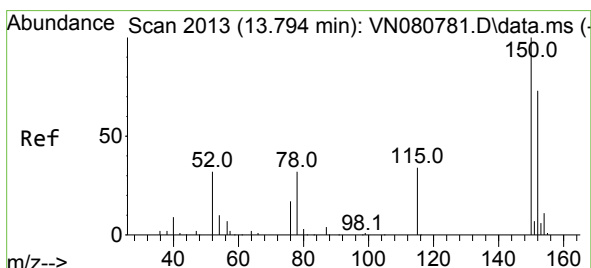
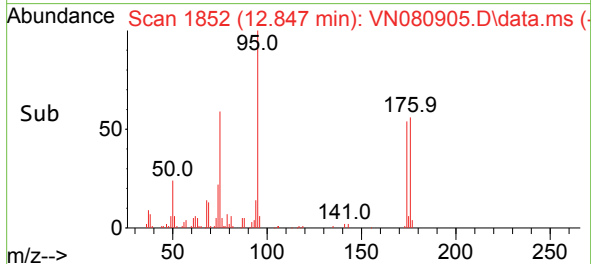
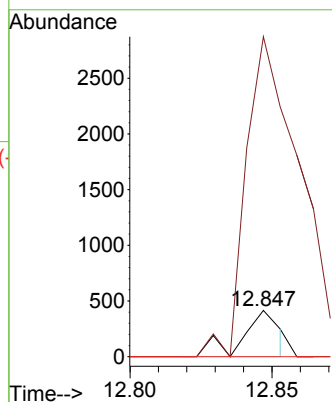
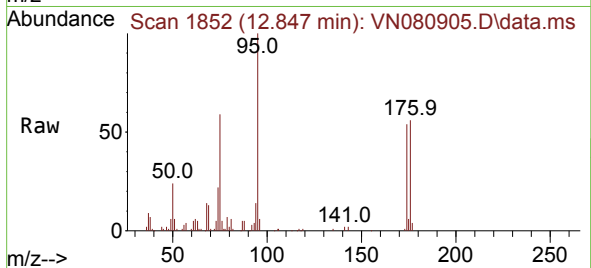
Tgt Ion:173 Resp: 379

Ion Ratio Lower Upper

173 100

175 670.2 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080905.D

Acq: 05 Feb 2024 18:38

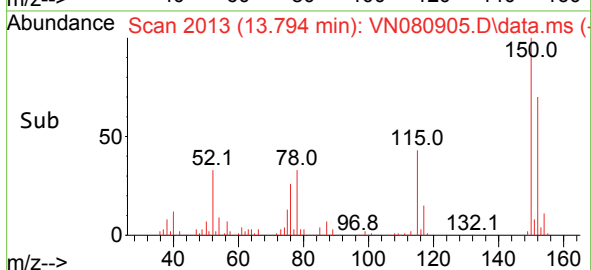
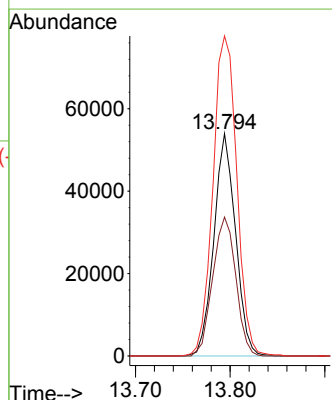
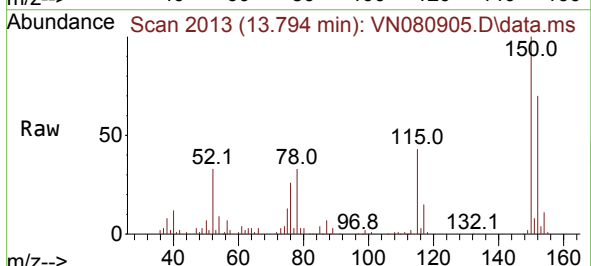
Tgt Ion:152 Resp: 85858

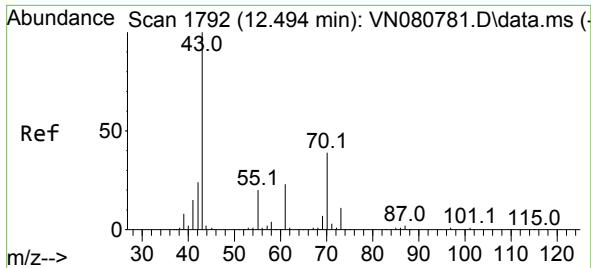
Ion Ratio Lower Upper

152 100

115 66.5 32.3 96.8

150 158.5 0.0 339.8

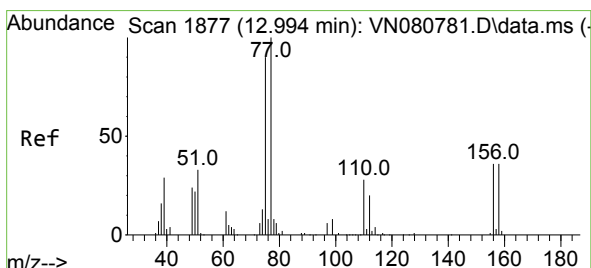
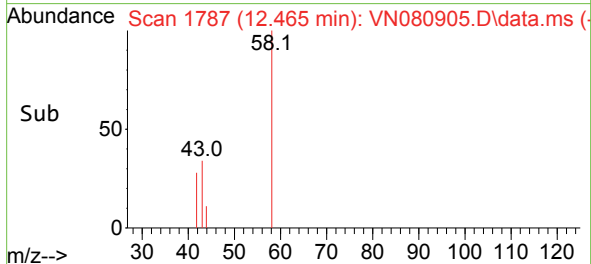
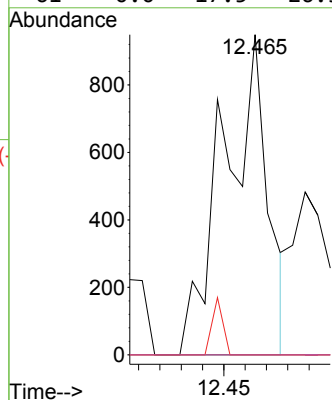
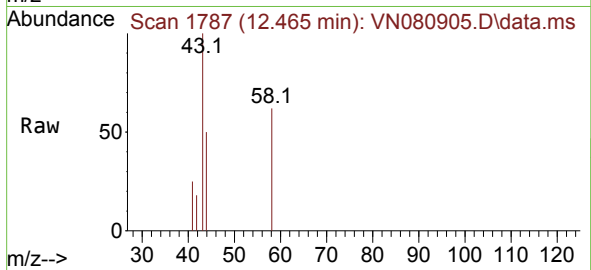




#74
N-amy1 acetate
Concen: 0.278 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

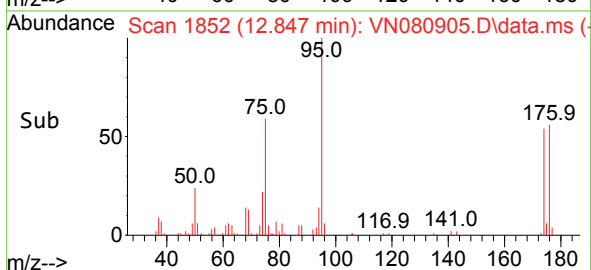
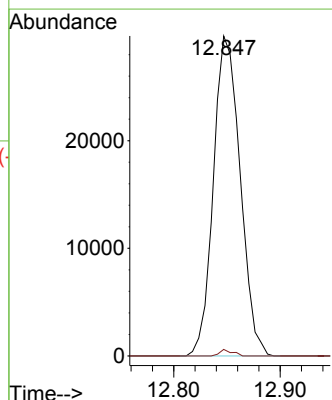
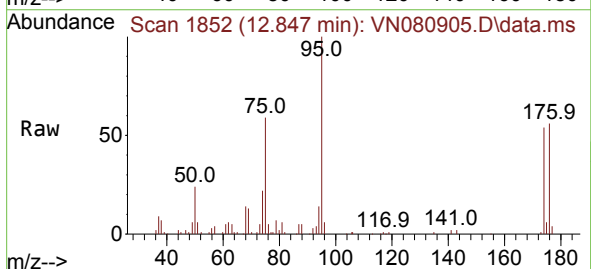
Instrument :
MSVOA_N
ClientSampleId :
WC-3

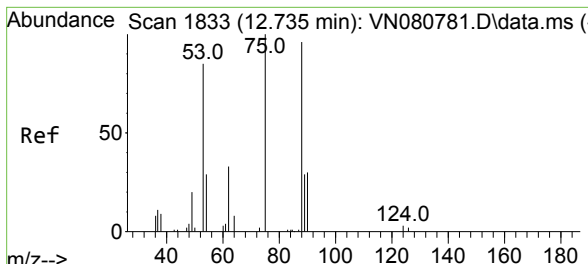
Tgt Ion: 43	Resp:	1358
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.1 45.1#
55	4.4	17.0 25.4#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 20.032 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080905.D
Acq: 05 Feb 2024 18:38

Tgt Ion: 75	Resp:	51873
Ion	Ratio	Lower Upper
75	100	
77	1.0	91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.607 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080905.D
 Acq: 05 Feb 2024 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Tgt Ion:	75	Resp:	51873
Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.4	107.2#
89	0.0	33.4	50.0#

