

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080865.D
 Acq On : 01 Feb 2024 13:14
 Operator : JC\MD
 Sample : P1307-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-03

Quant Time: Feb 02 03:37:57 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)

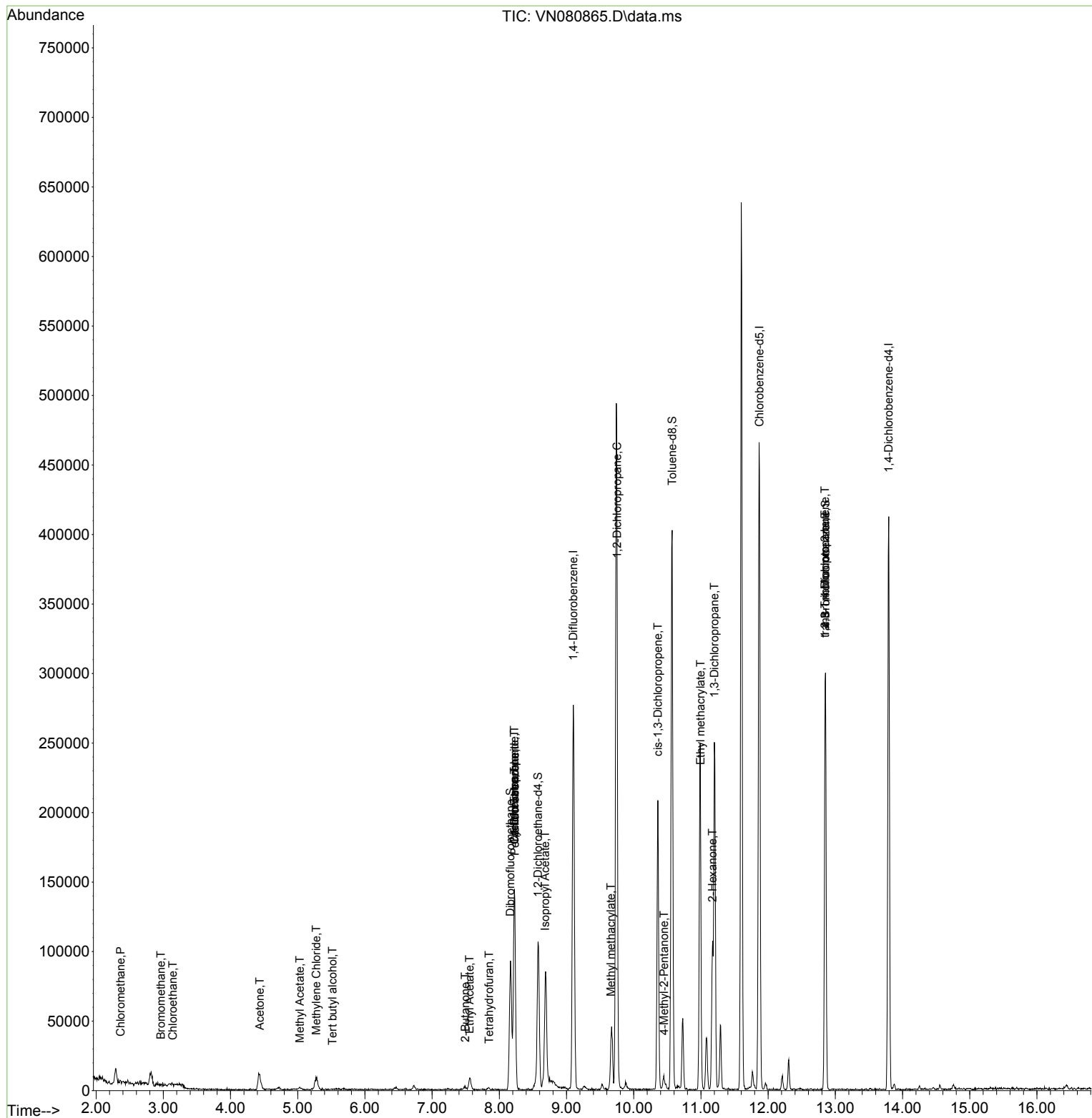
Internal Standards						
1) Pentafluorobenzene	8.230	168	89353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	217241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	236701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	82404	53.309	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.620%			
35) Dibromofluoromethane	8.165	113	63095	47.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.940%			
50) Toluene-d8	10.571	98	259914	49.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.853	95	102420	56.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1631	0.818	ug/l	89
5) Bromomethane	2.965	94	146	0.241	ug/l #	6
6) Chloroethane	3.142	64	1009	1.248	ug/l #	42
11) Tert butyl alcohol	5.518	59	85	0.337	ug/l #	72
16) Acetone	4.436	43	21824	38.929	ug/l #	78
18) Methyl Acetate	5.030	43	3123	1.598	ug/l #	73
20) Methylene Chloride	5.277	84	6416	4.360	ug/l #	84
25) 2-Butanone	7.494	43	3993	3.750	ug/l #	68
29) Tetrahydrofuran	7.847	42	1192	1.654	ug/l #	70
31) Cyclohexane	8.224	56	3885	1.466	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	9679	3.918	ug/l #	48
37) Ethyl Acetate	7.559	43	12693	4.991	ug/l	98
38) Carbon Tetrachloride	8.224	117	10273	5.161	ug/l #	14
43) Isopropyl Acetate	8.683	43	105856	22.863	ug/l #	88
45) 1,2-Dichloropropane	9.753	63	674	0.343	ug/l #	42
48) Methyl methacrylate	9.659	41	2869	1.278	ug/l #	42
51) 4-Methyl-2-Pentanone	10.453	43	10202	3.942	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	32751	10.932	ug/l #	67
56) Ethyl methacrylate	10.994	69	635	0.258	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2907	0.965	ug/l #	43
59) 2-Hexanone	11.171	43	125068	62.208	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	61094	21.436	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61094	55.224	ug/l #	14

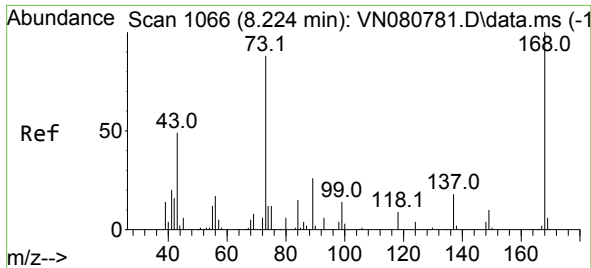
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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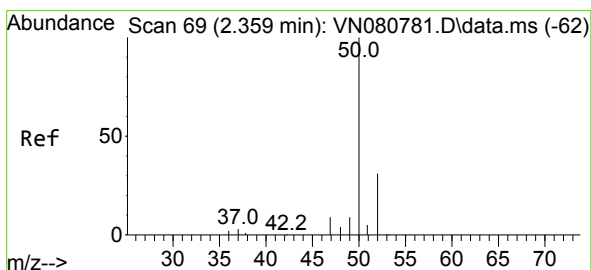
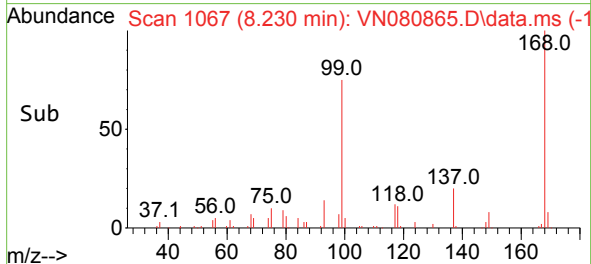
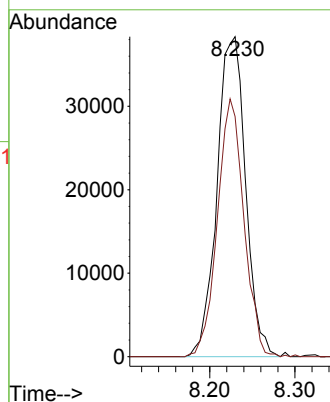
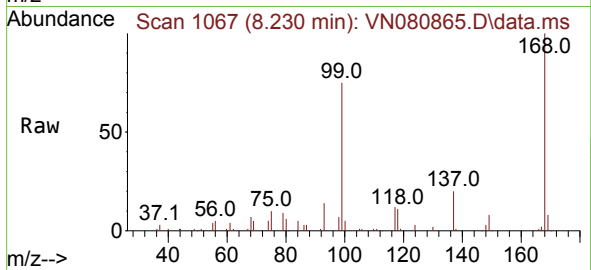




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

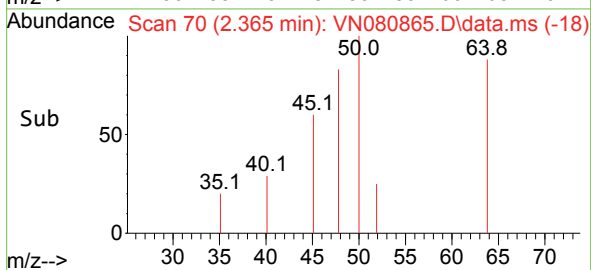
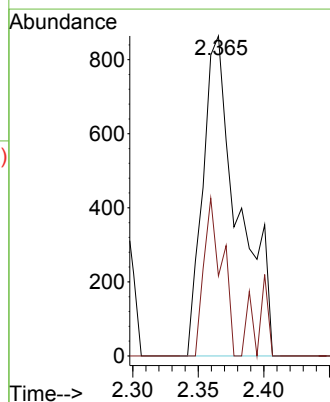
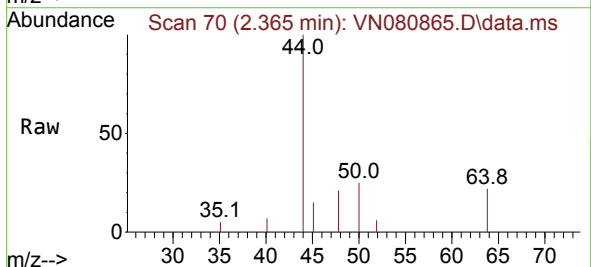
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

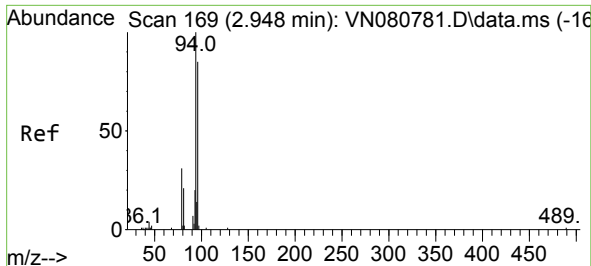
Tgt Ion:168 Resp: 89353
Ion Ratio Lower Upper
168 100
99 75.1 59.9 89.9



#3
Chloromethane
Concen: 0.818 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 50 Resp: 1631
Ion Ratio Lower Upper
50 100
52 25.0 25.0 37.4

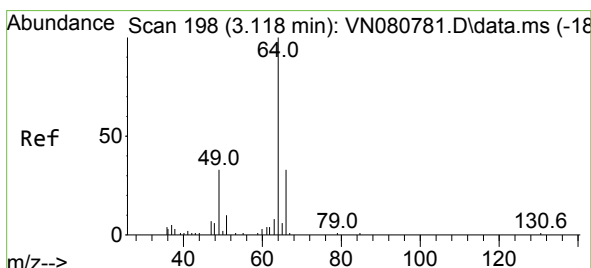
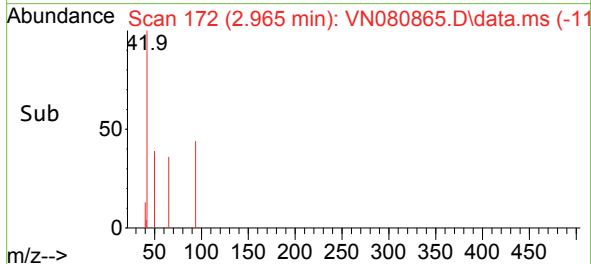
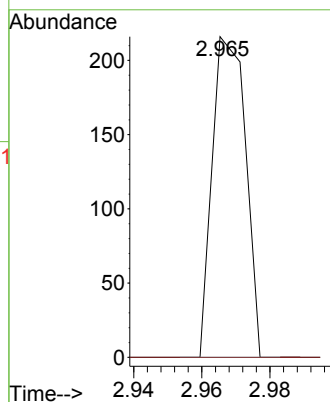
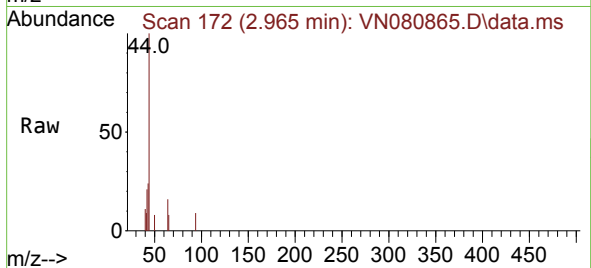




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

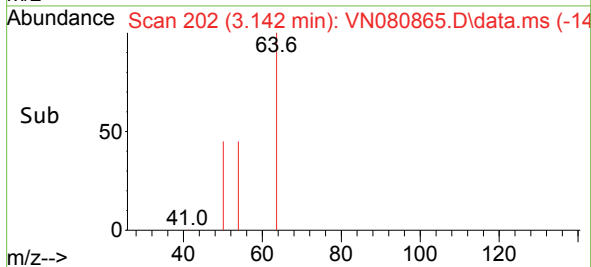
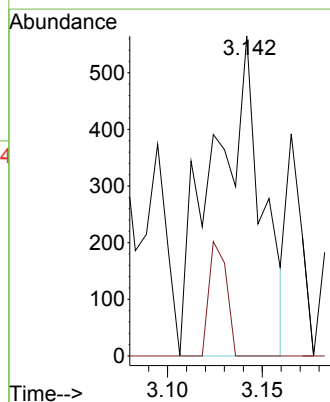
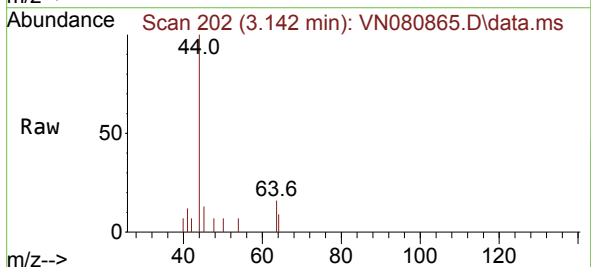
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

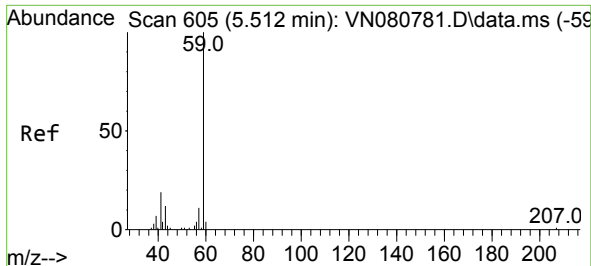
Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 1.248 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 64 Resp: 1009
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

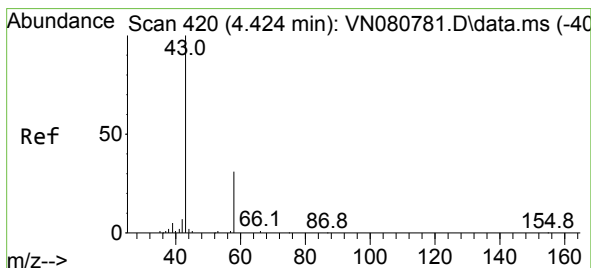
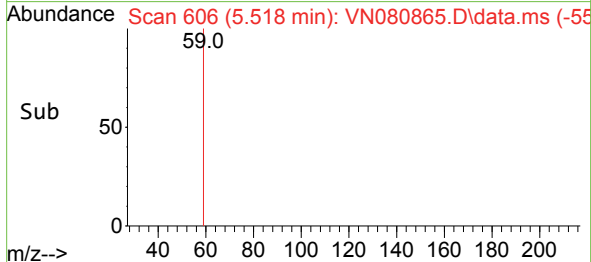
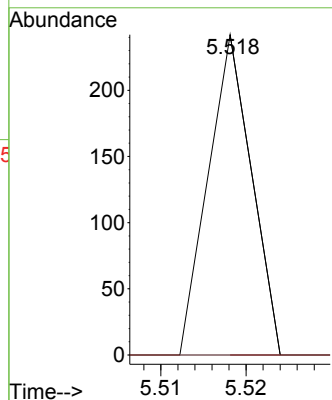
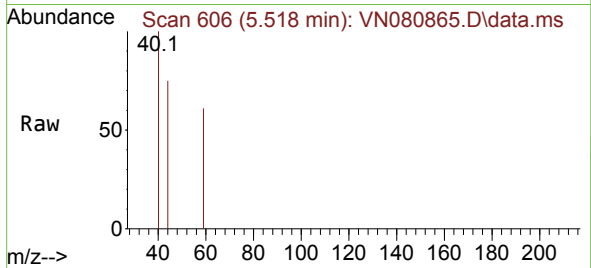




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

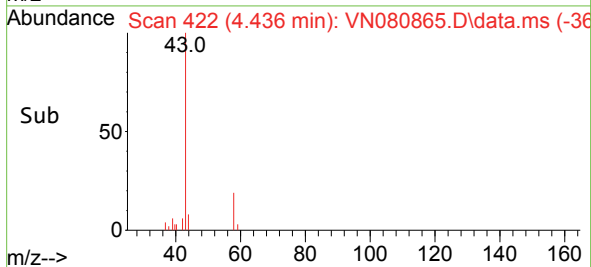
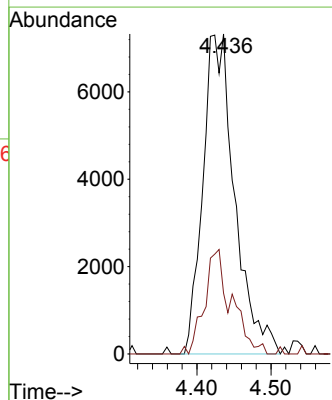
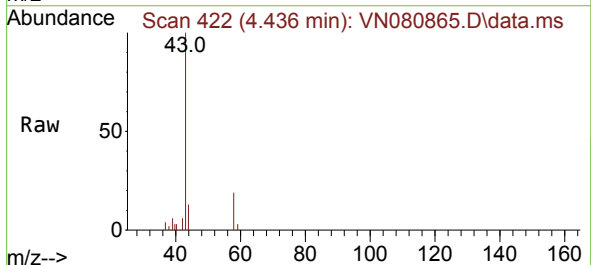
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

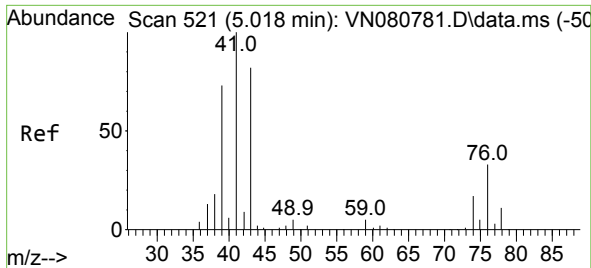
Tgt Ion: 59 Resp: 85
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 38.929 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 43 Resp: 21824
Ion Ratio Lower Upper
43 100
58 19.0 24.8 37.2#

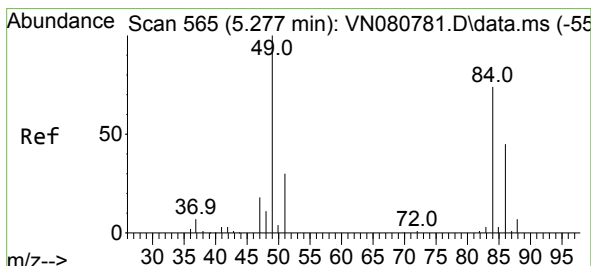
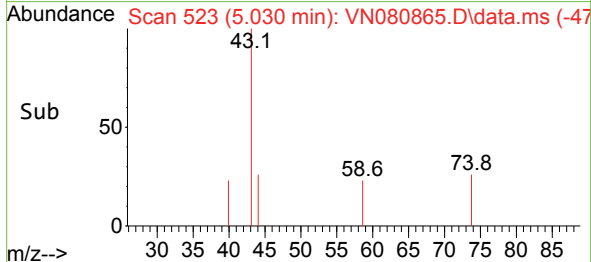
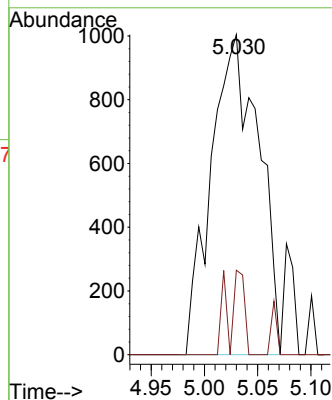
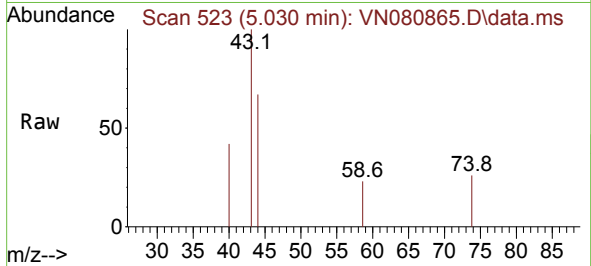




#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

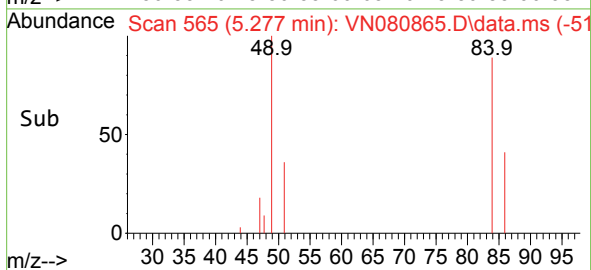
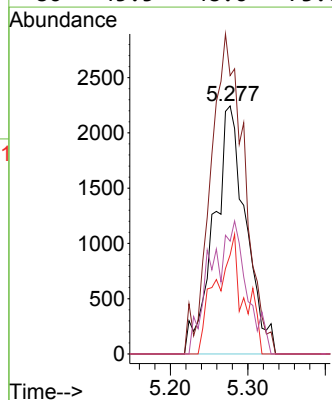
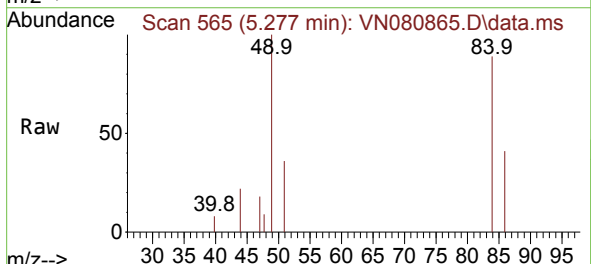
Instrument :
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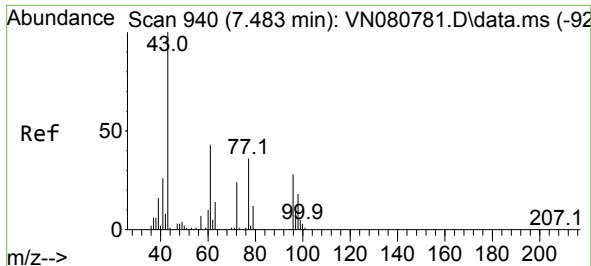
Tgt Ion: 43 Resp: 3123
Ion Ratio Lower Upper
43 100
74 8.8 17.3 25.9#



#20
Methylene Chloride
Concen: 4.360 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 84 Resp: 6416
Ion Ratio Lower Upper
84 100
49 112.3 108.1 162.1
51 39.9 32.9 49.3
86 45.5 48.6 73.0#

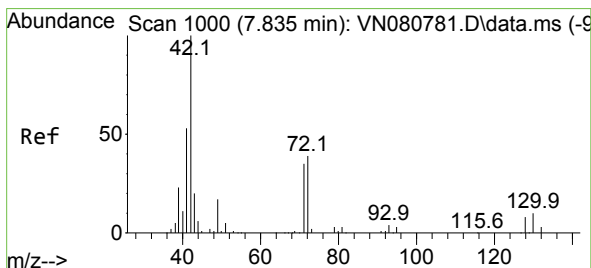
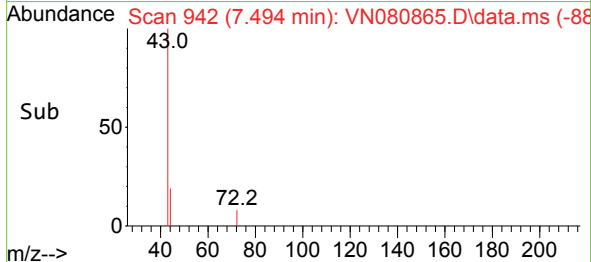
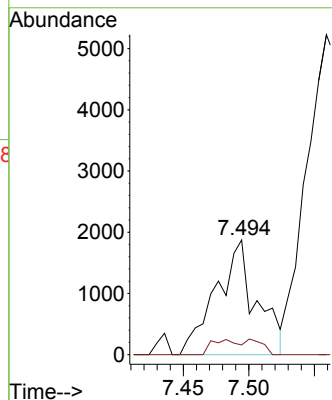
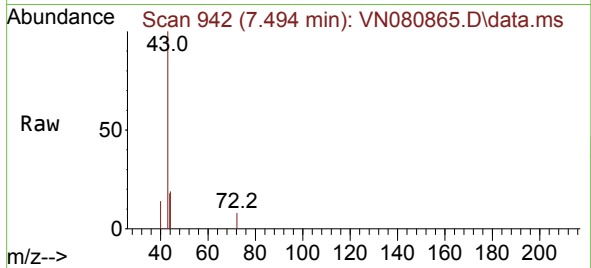




#25
2-Butanone
Concen: 3.750 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

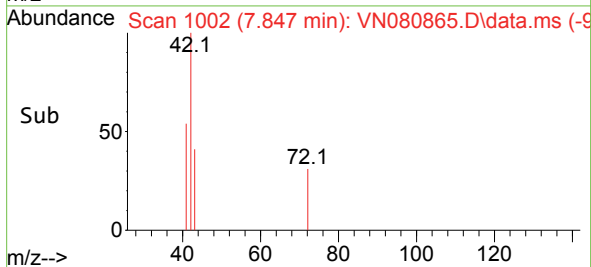
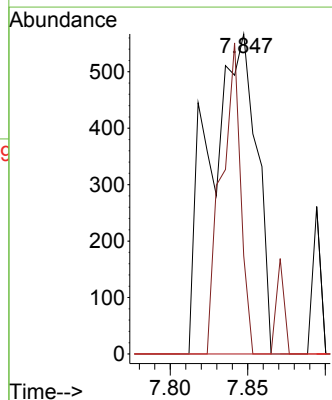
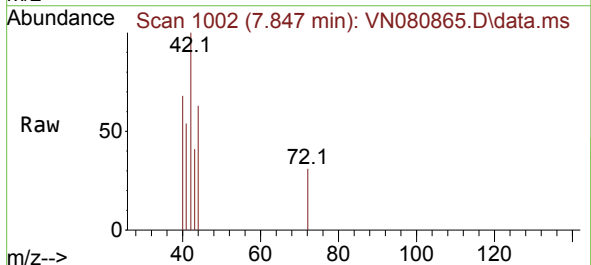
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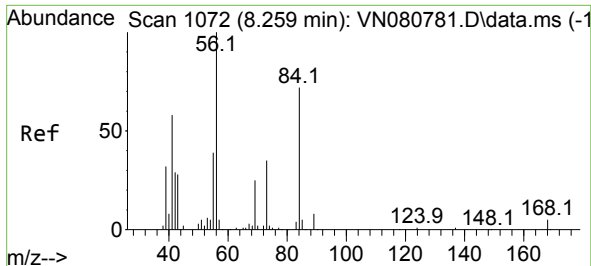
Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
72 8.5 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.654 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 42 Resp: 1192
Ion Ratio Lower Upper
42 100
72 40.0 31.1 46.7
71 0.0 28.3 42.5#

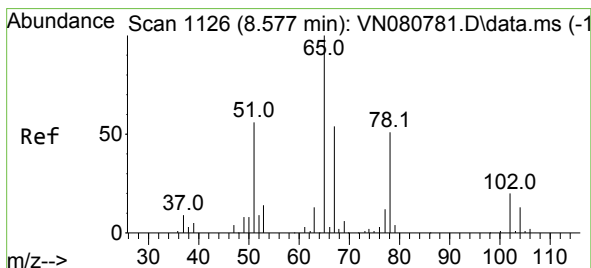
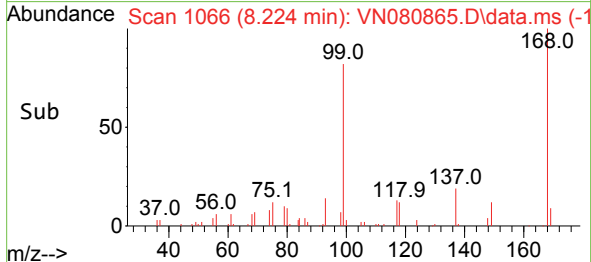
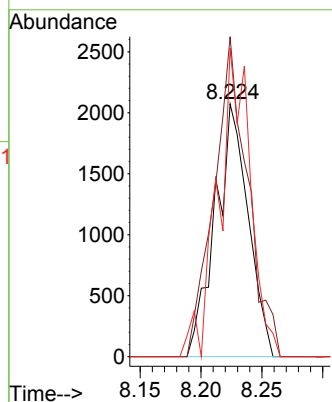
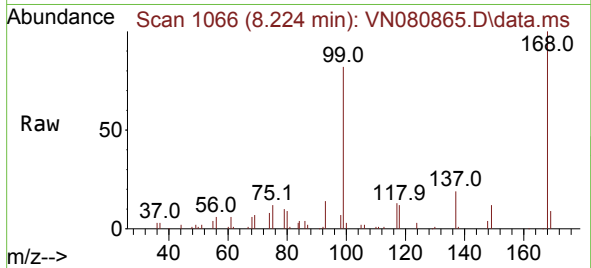




#31
Cyclohexane
Concen: 1.466 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

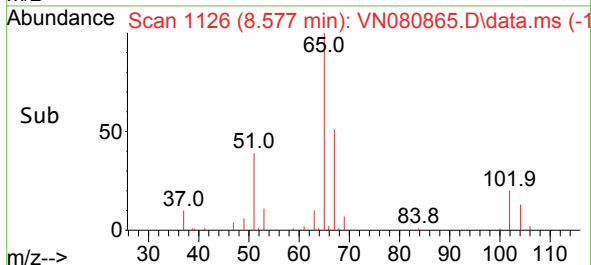
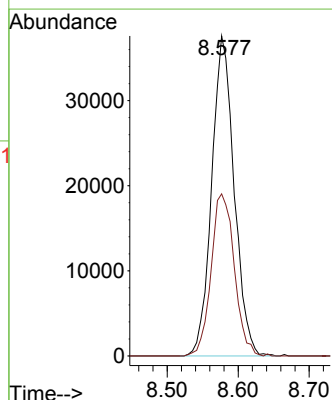
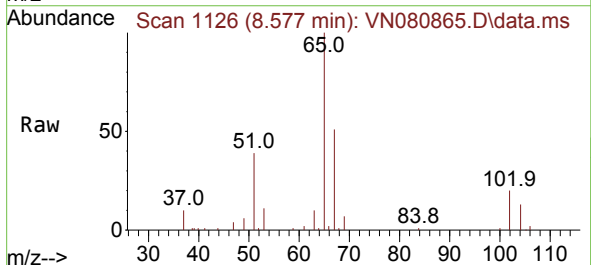
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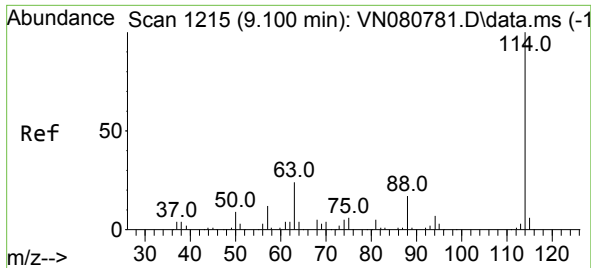
Tgt Ion: 56 Resp: 3885
Ion Ratio Lower Upper
56 100
69 126.6 20.1 30.1#
84 122.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 53.309 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 65 Resp: 82404
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.4

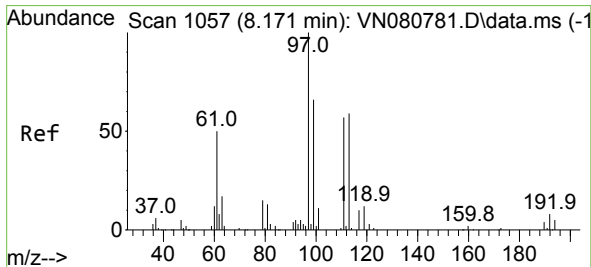
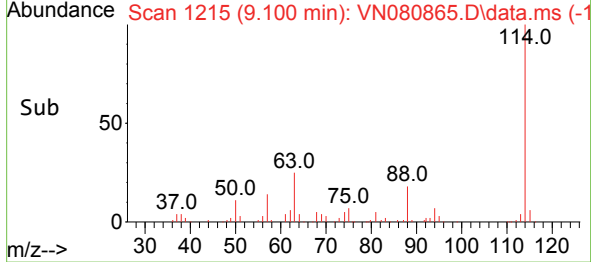
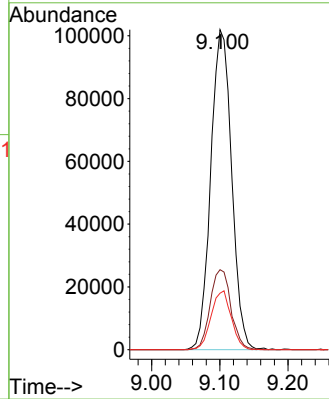
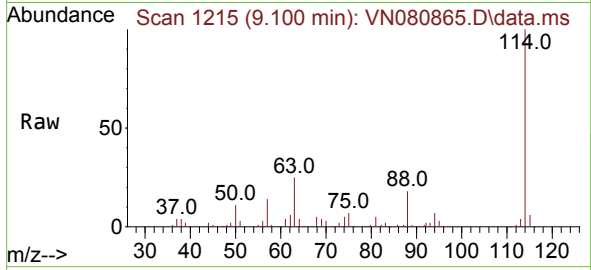




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

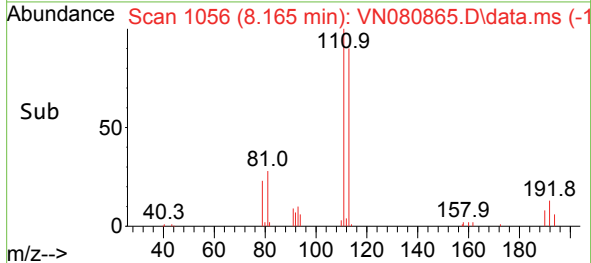
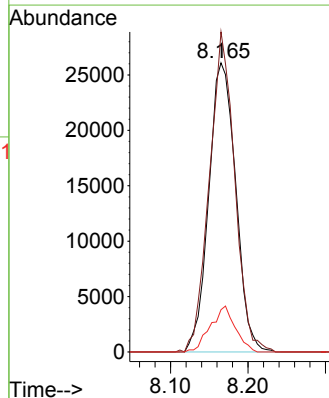
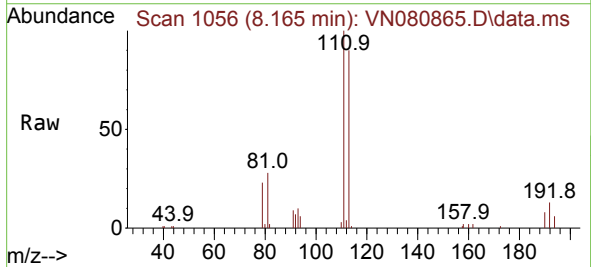
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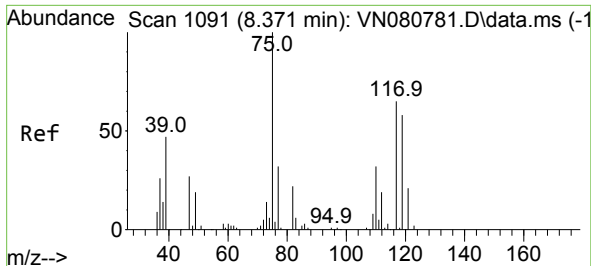
Tgt Ion:114 Resp: 217241
Ion Ratio Lower Upper
114 100
63 25.0 0.0 48.0
88 17.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 47.472 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

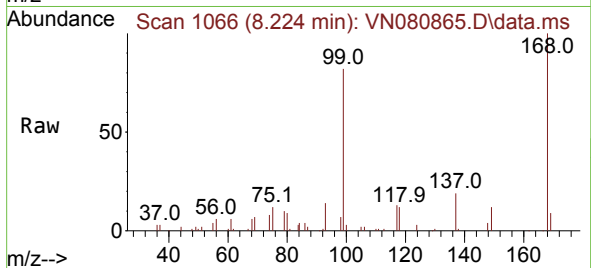
Tgt Ion:113 Resp: 63095
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 14.7 12.5 18.7



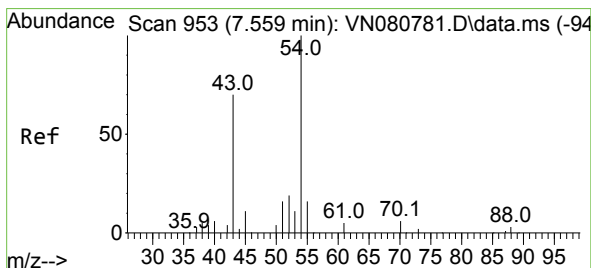
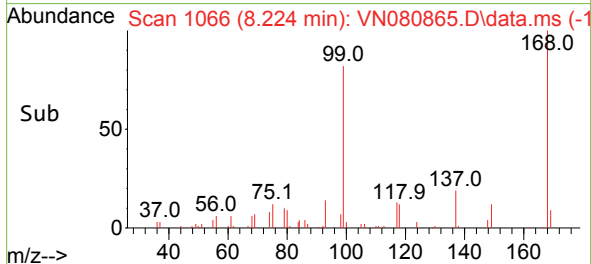
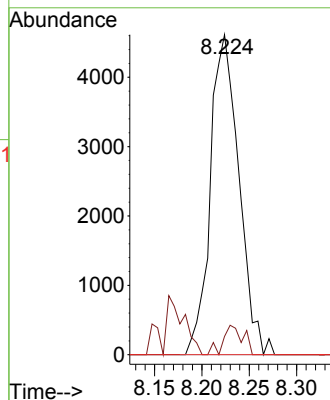


#36
1,1-Dichloropropene
Concen: 3.918 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

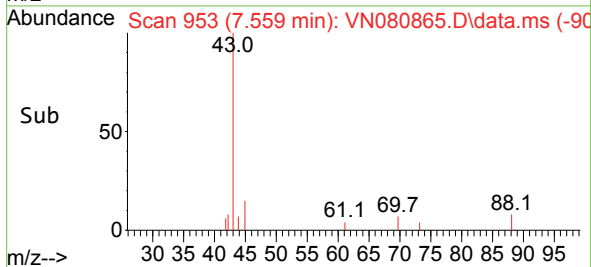
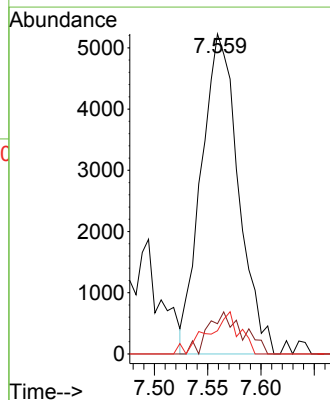
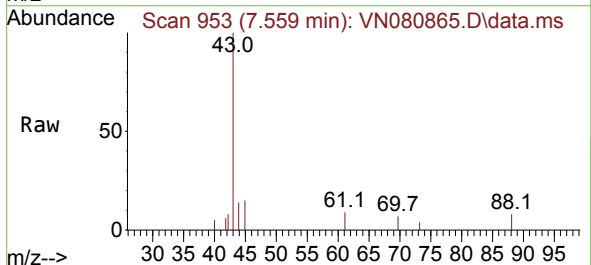


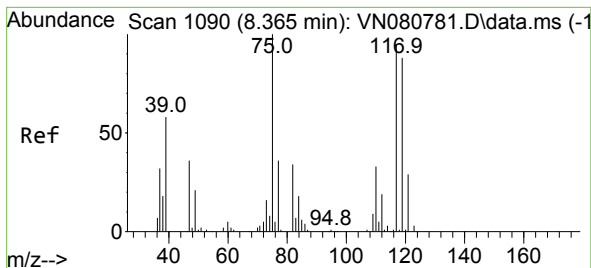
Tgt Ion: 75 Resp: 9679
Ion Ratio Lower Upper
75 100
110 6.4 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 4.991 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 43 Resp: 12693
Ion Ratio Lower Upper
43 100
61 12.3 10.6 15.8
70 11.0 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.161 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080865.D

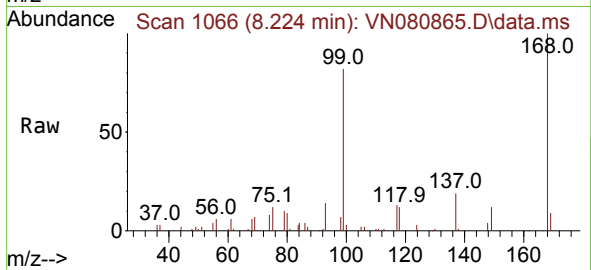
Acq: 01 Feb 2024 13:14

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-03



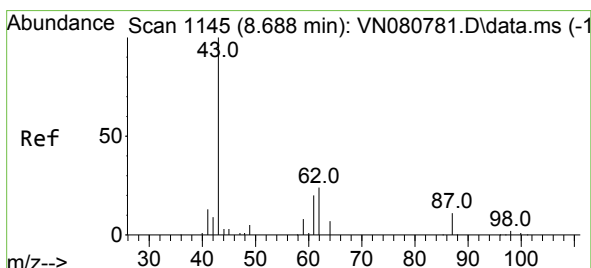
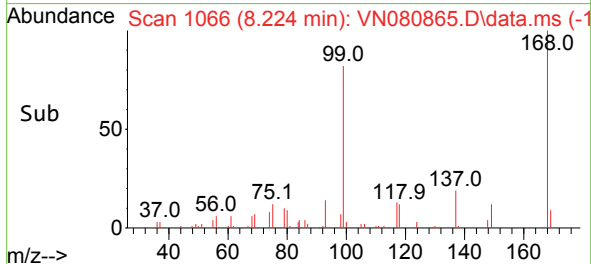
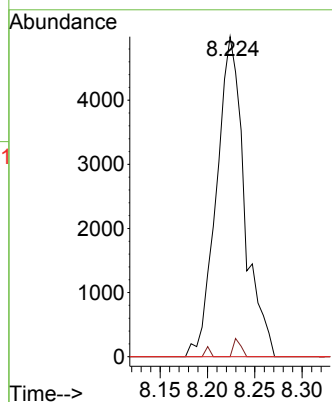
Tgt Ion:117 Resp: 10273

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 22.863 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN080865.D

Acq: 01 Feb 2024 13:14

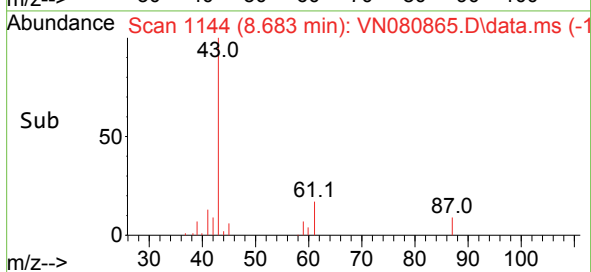
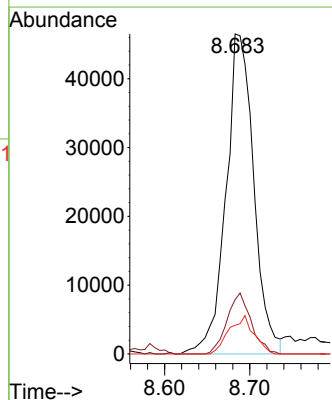
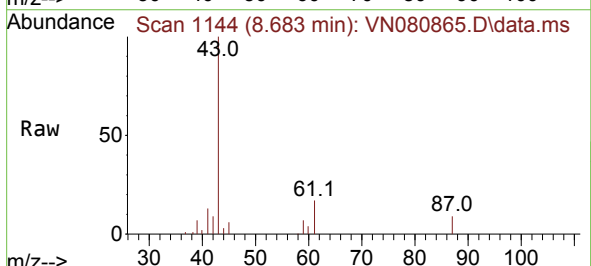
Tgt Ion: 43 Resp: 105856

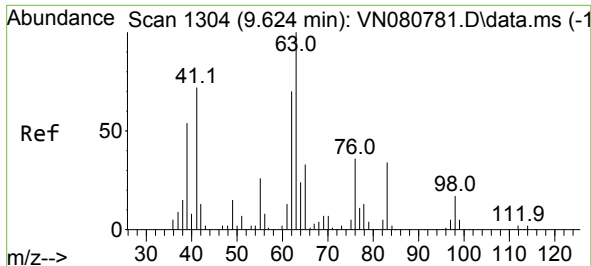
Ion Ratio Lower Upper

43 100

61 16.6 19.9 29.9#

87 10.6 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.343 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN080865.D

Acq: 01 Feb 2024 13:14

Instrument :

MSVOA_N

ClientSampleId :

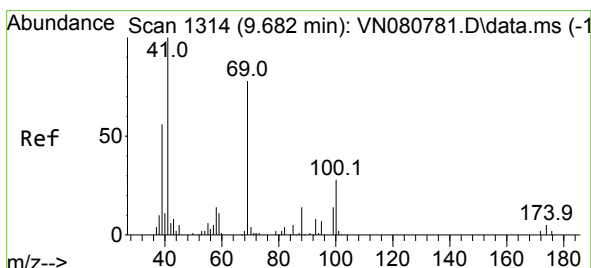
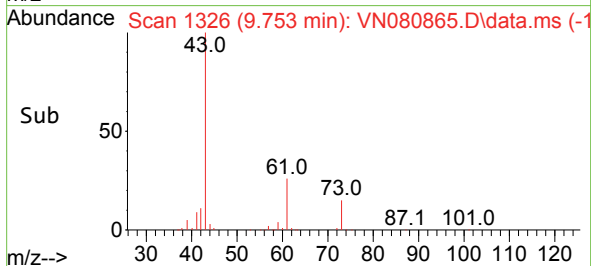
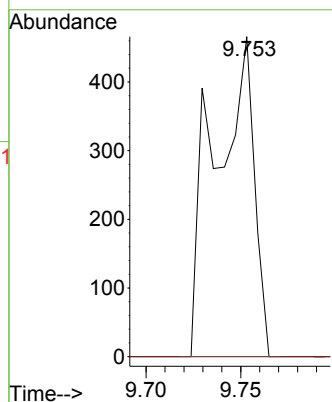
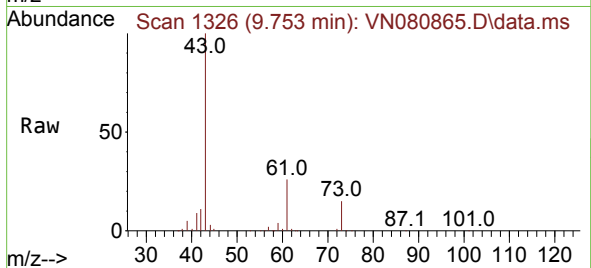
TR-614-VOC-03

Tgt Ion: 63 Resp: 674

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.278 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN080865.D

Acq: 01 Feb 2024 13:14

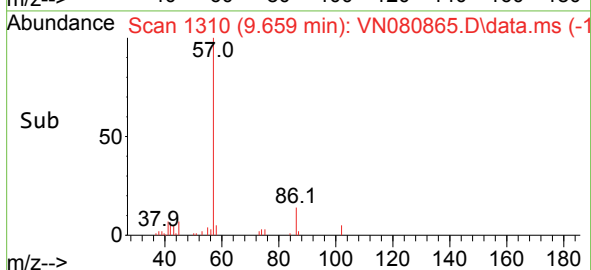
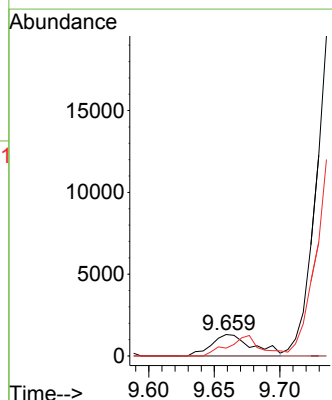
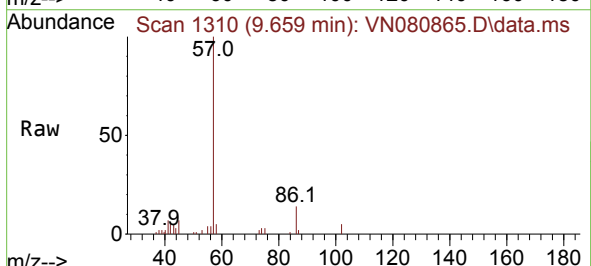
Tgt Ion: 41 Resp: 2869

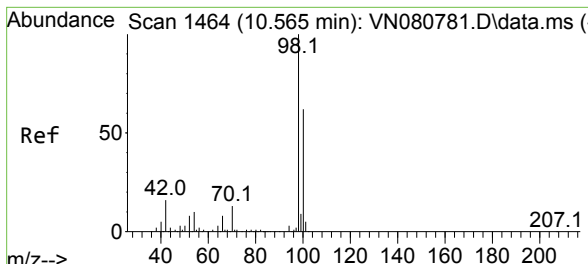
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 72.0 47.6 71.4#

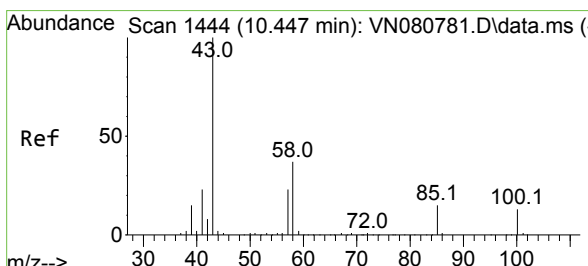
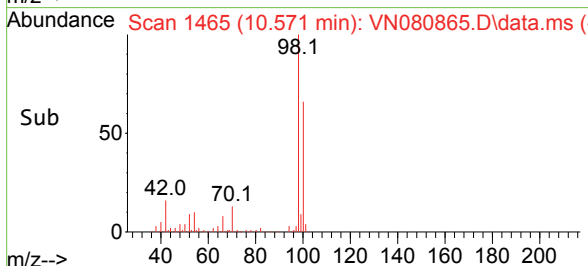
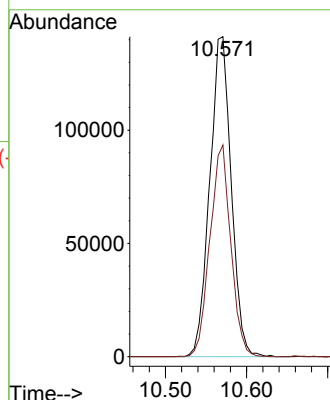
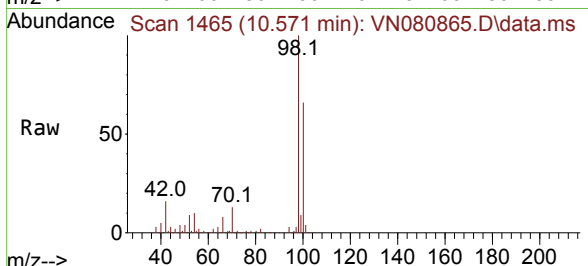




#50
Toluene-d8
Concen: 49.965 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

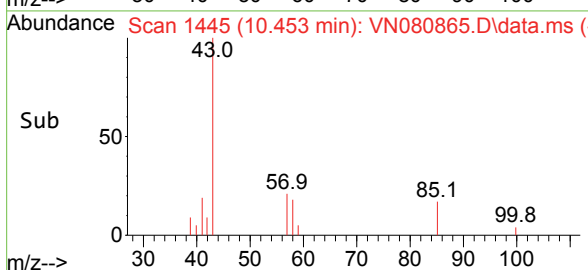
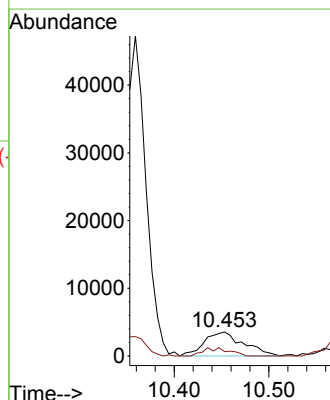
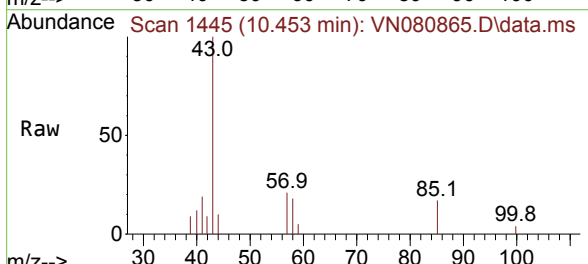
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

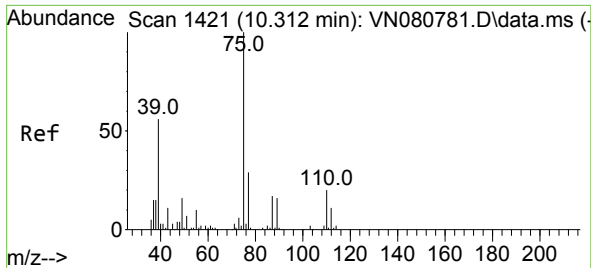
Tgt Ion: 98 Resp: 259914
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.942 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 43 Resp: 10202
Ion Ratio Lower Upper
43 100
58 22.4 29.4 44.0#

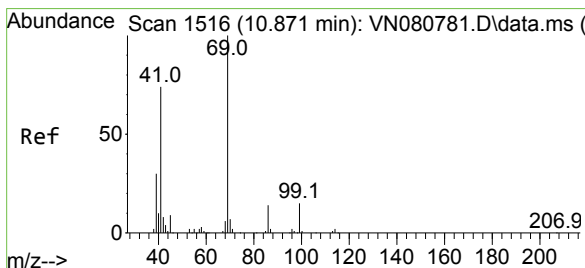
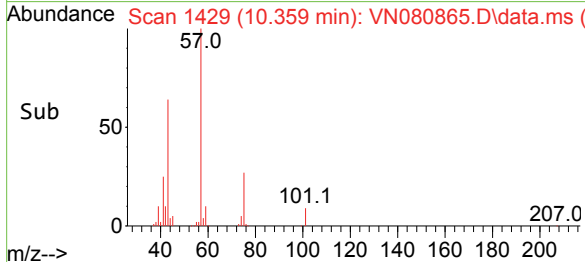
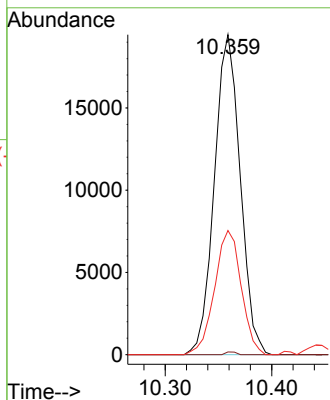
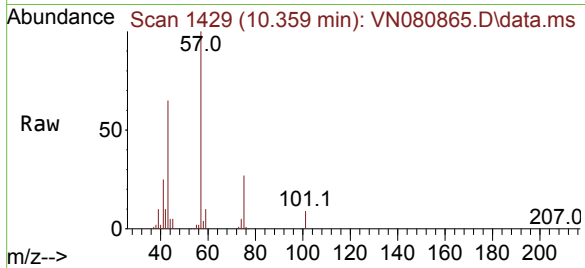




#54
cis-1,3-Dichloropropene
Concen: 10.932 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

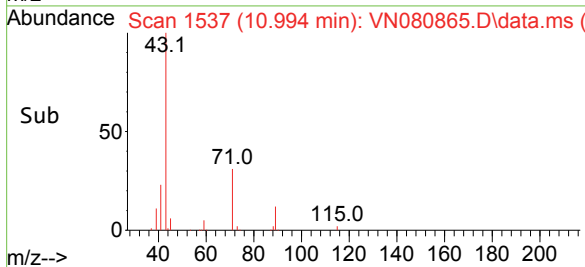
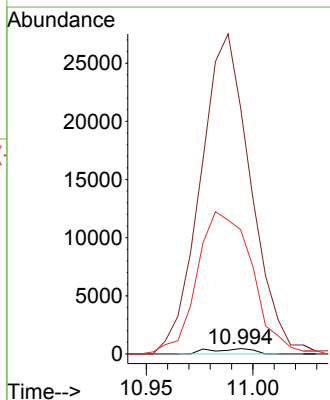
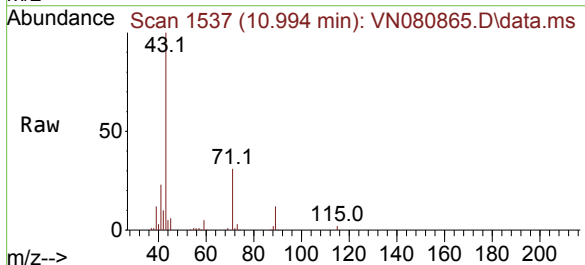
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

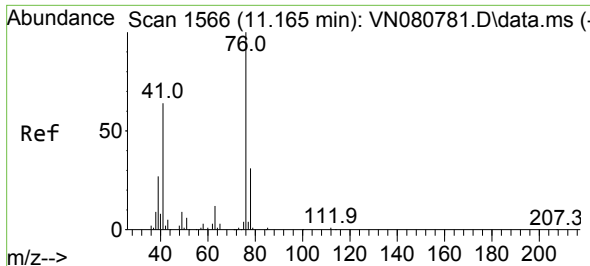
Tgt Ion: 75 Resp: 32751
Ion Ratio Lower Upper
75 100
77 0.8 23.3 34.9#
39 38.8 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.258 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.123 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 69 Resp: 635
Ion Ratio Lower Upper
69 100
41 7162.7 61.0 91.6#
39 3487.4 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 0.965 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN080865.D

Acq: 01 Feb 2024 13:14

Instrument :

MSVOA_N

ClientSampleId :

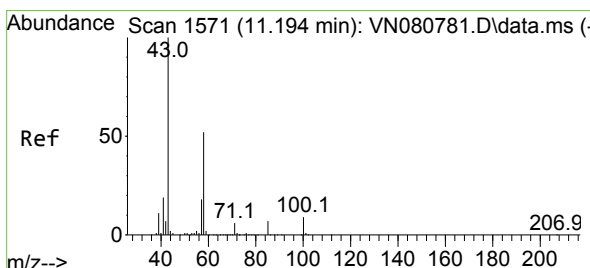
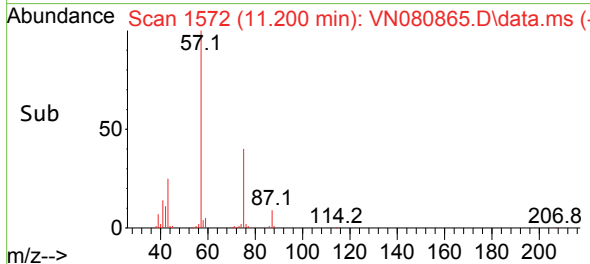
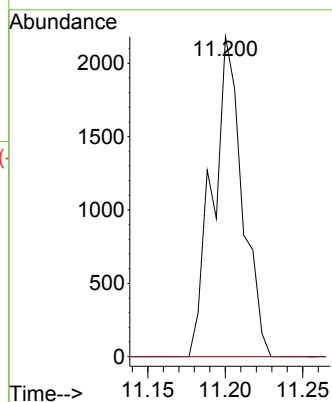
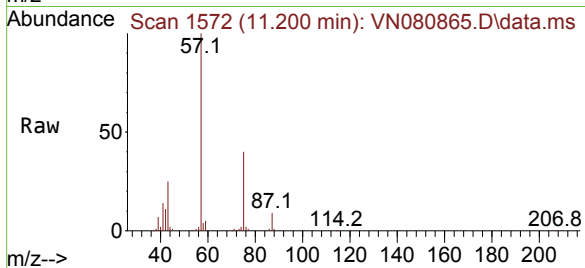
TR-614-VOC-03

Tgt Ion: 76 Resp: 2907

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 62.208 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080865.D

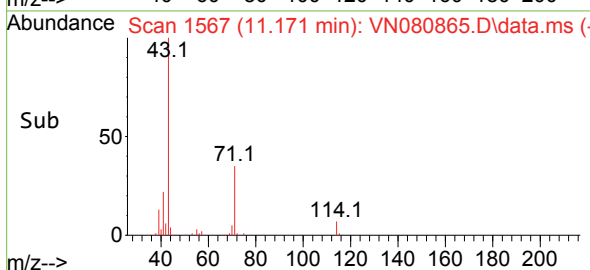
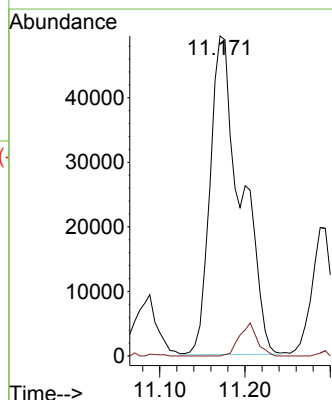
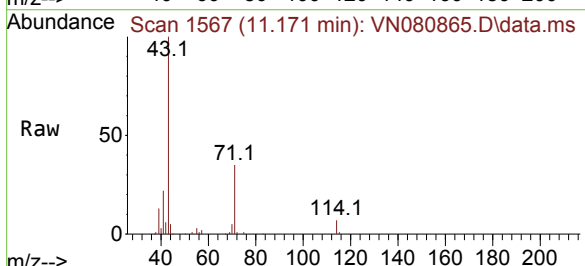
Acq: 01 Feb 2024 13:14

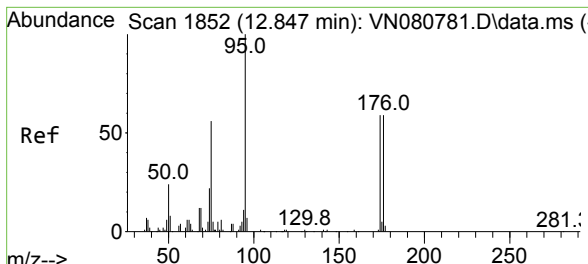
Tgt Ion: 43 Resp: 125068

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

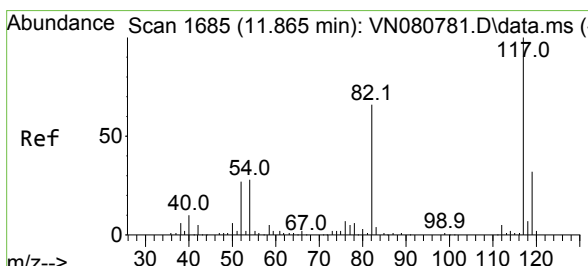
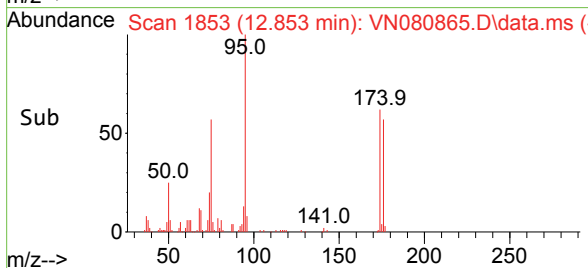
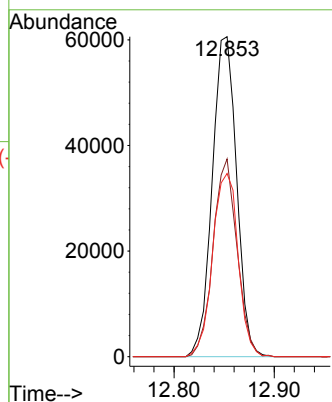
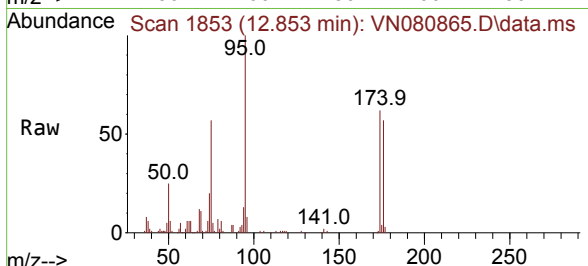




#62
4-Bromofluorobenzene
Concen: 56.500 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

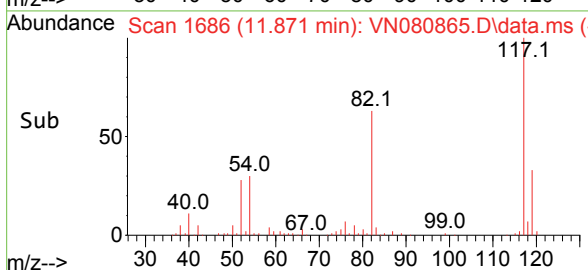
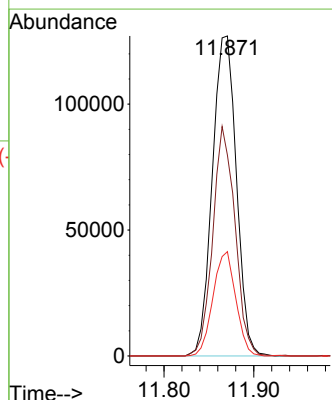
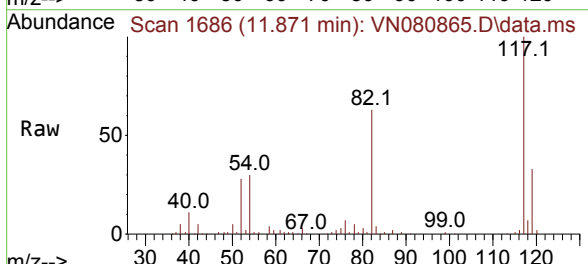
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

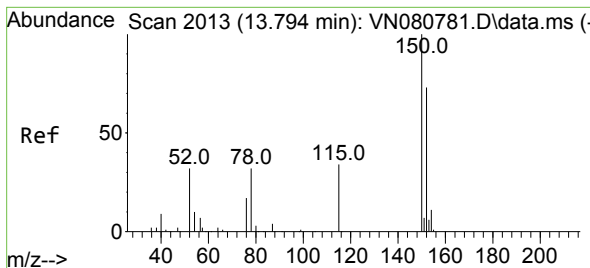
Tgt Ion: 95	Resp: 102420
Ion Ratio	Lower Upper
95	100
174	60.9 0.0 120.4
176	60.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Tgt Ion: 117	Resp: 236701
Ion Ratio	Lower Upper
117	100
82	62.8 52.7 79.1
119	32.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080865.D

Acq: 01 Feb 2024 13:14

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-03

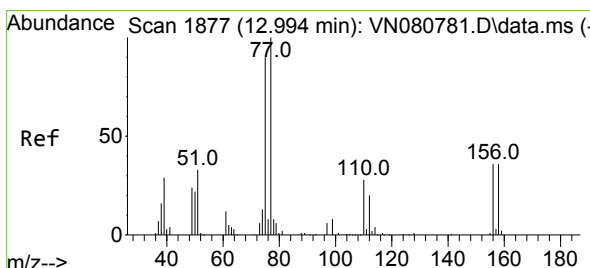
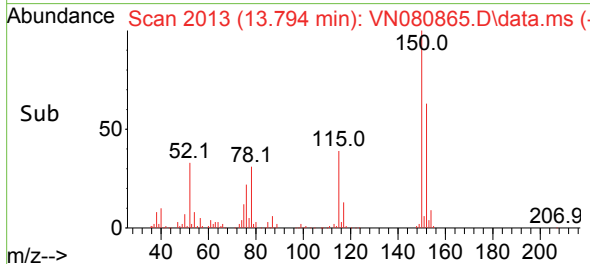
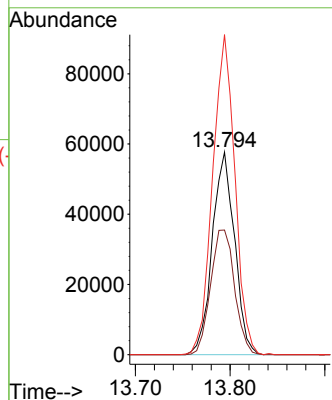
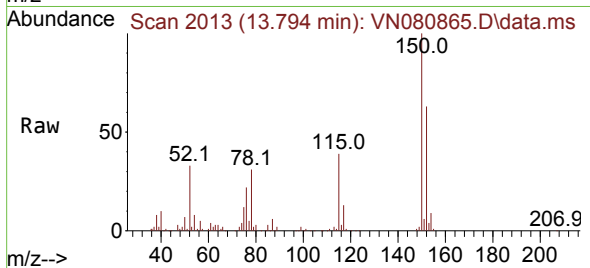
Tgt Ion:152 Resp: 94497

Ion Ratio Lower Upper

152 100

115 66.0 32.3 96.8

150 157.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.436 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080865.D

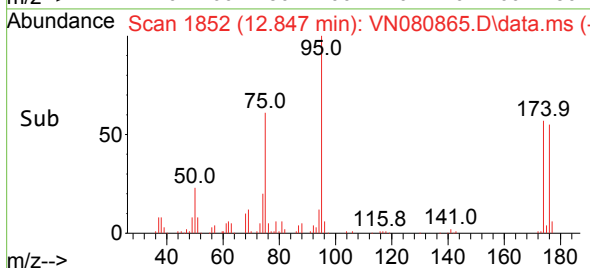
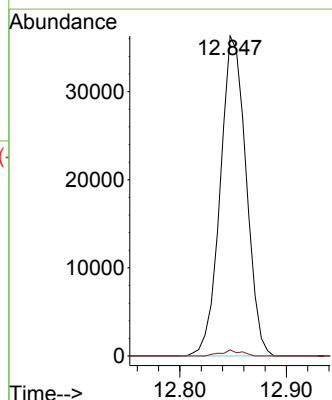
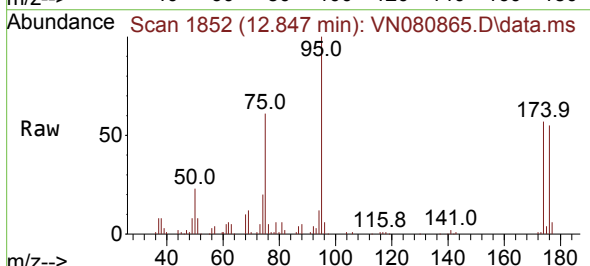
Acq: 01 Feb 2024 13:14

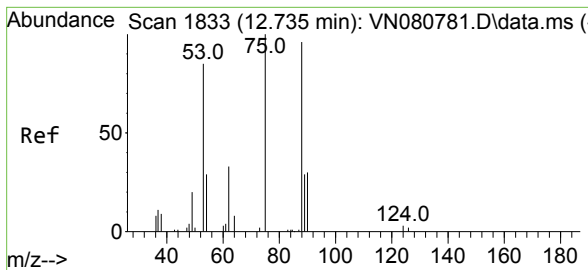
Tgt Ion: 75 Resp: 61094

Ion Ratio Lower Upper

75 100

77 1.5 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 55.224 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080865.D
Acq: 01 Feb 2024 13:14

Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-03

Tgt Ion: 75 Resp: 61094
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

