

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080863.D
 Acq On : 01 Feb 2024 12:26
 Operator : JC\MD
 Sample : P1307-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-01

Quant Time: Feb 02 03:37:10 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)

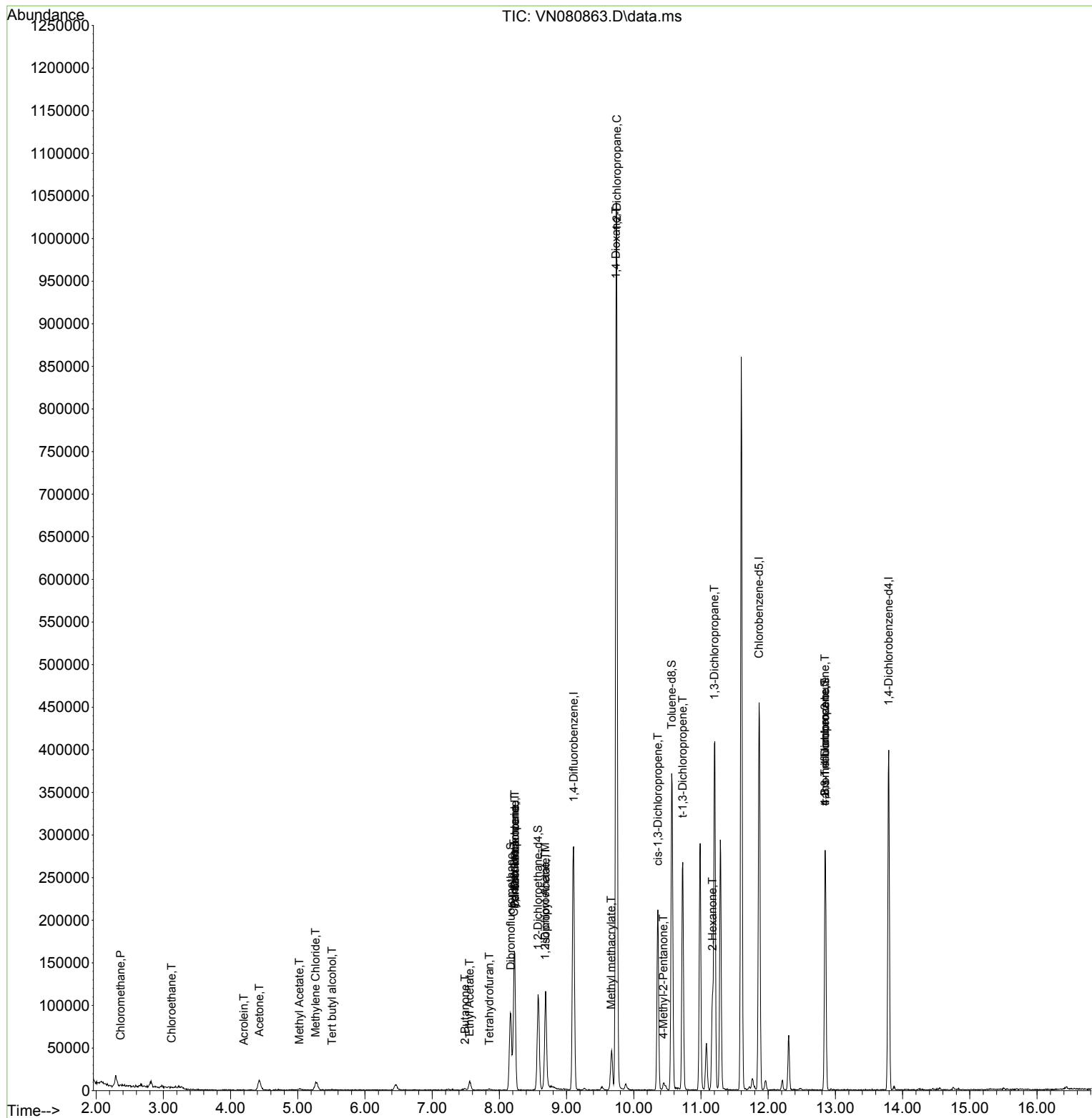
Internal Standards						
1) Pentafluorobenzene	8.230	168	97788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	212690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	93148	55.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.120%	
35) Dibromofluoromethane	8.171	113	62580	48.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.180%	
50) Toluene-d8	10.565	98	241120	47.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.680%	
62) 4-Bromofluorobenzene	12.847	95	96307	54.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2239	1.026	ug/l	95
6) Chloroethane	3.124	64	580	0.655	ug/l #	42
11) Tert butyl alcohol	5.512	59	71	0.257	ug/l #	72
13) Acrolein	4.200	56	280	0.805	ug/l #	15
16) Acetone	4.430	43	22394	36.500	ug/l #	79
18) Methyl Acetate	5.024	43	2607	1.219	ug/l #	66
20) Methylene Chloride	5.265	84	6265	3.890	ug/l #	84
25) 2-Butanone	7.488	43	3102	2.662	ug/l #	51
29) Tetrahydrofuran	7.853	42	1301	1.650	ug/l #	51
31) Cyclohexane	8.218	56	4150	1.431	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	13492	5.578	ug/l #	51
37) Ethyl Acetate	7.559	43	16102	6.467	ug/l #	89
38) Carbon Tetrachloride	8.230	117	12016	6.166	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	604	0.261	ug/l #	75
43) Isopropyl Acetate	8.688	43	132556	29.243	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1440	0.749	ug/l #	42
48) Methyl methacrylate	9.665	41	3736	1.700	ug/l #	47
49) 1,4-Dioxane	9.735	88	85	3.211	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6545	2.583	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	631	0.234	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	35359	12.055	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	4115	1.396	ug/l #	43
59) 2-Hexanone	11.171	43	94068	47.790	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	55616	21.254	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55616	54.754	ug/l #	14

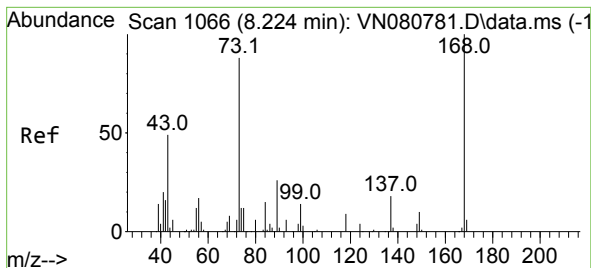
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080863.D

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Instrument :

MSVOA_N

ClientSampleId :

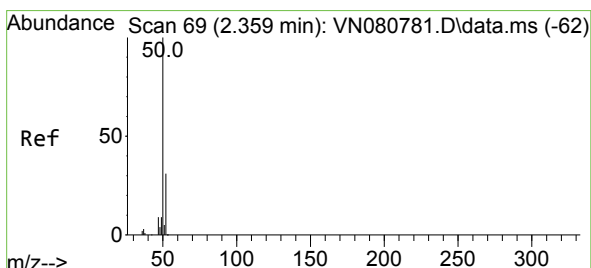
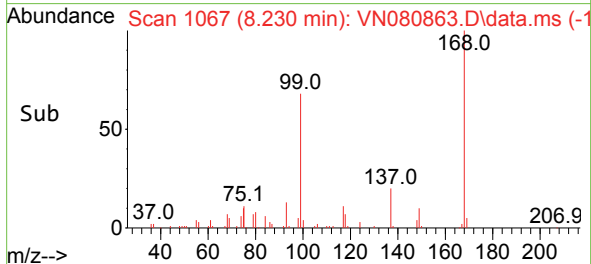
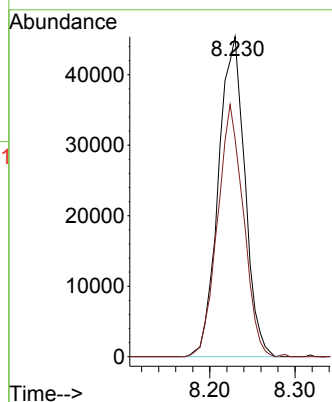
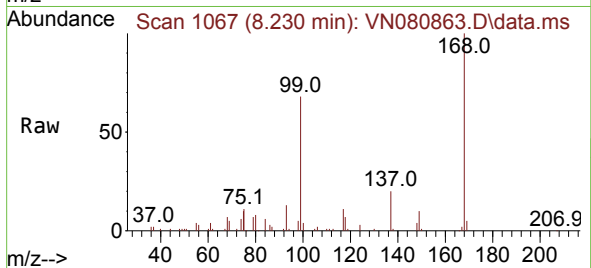
TR-614-VOC-01

Tgt Ion:168 Resp: 97788

Ion Ratio Lower Upper

168 100

99 68.1 59.9 89.9



#3

Chloromethane

Concen: 1.026 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080863.D

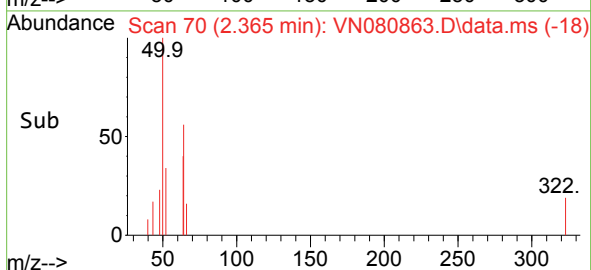
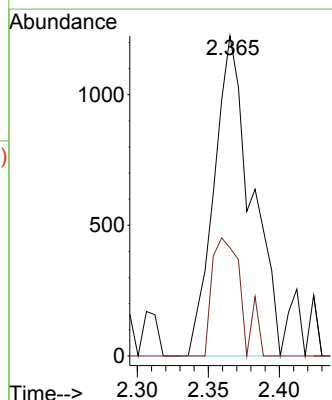
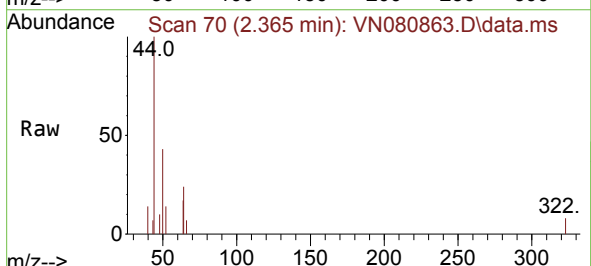
Acq: 01 Feb 2024 12:26

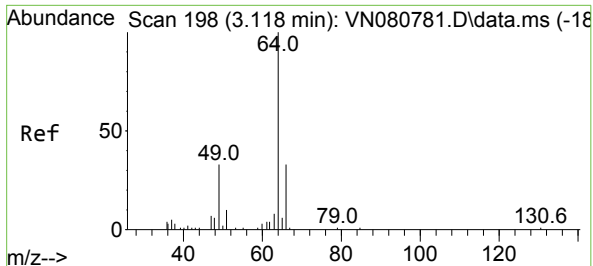
Tgt Ion: 50 Resp: 2239

Ion Ratio Lower Upper

50 100

52 33.8 25.0 37.4

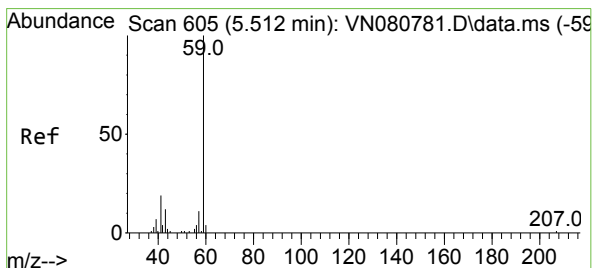
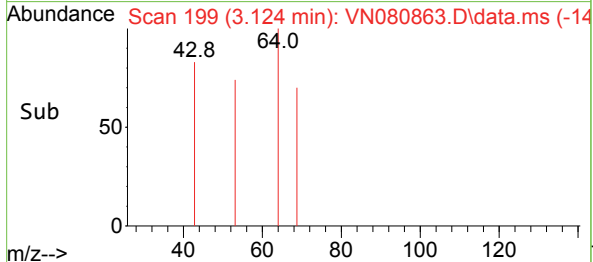
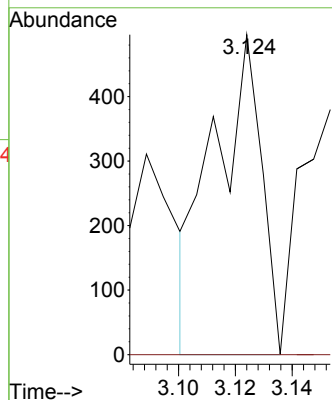
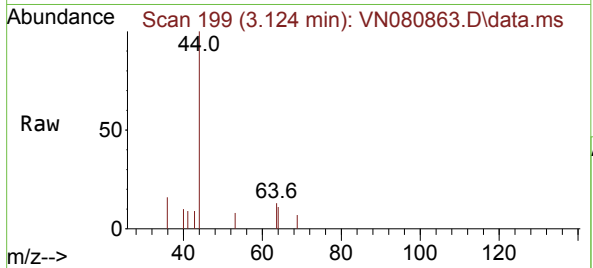




#6
Chloroethane
Concen: 0.655 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

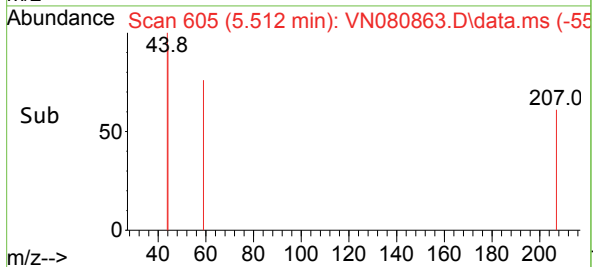
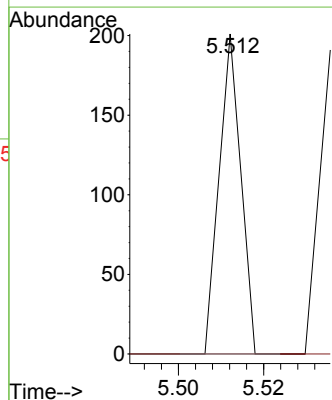
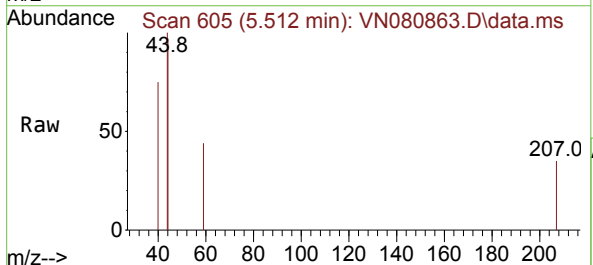
Instrument :
MSVOA_N
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TR-614-VOC-01

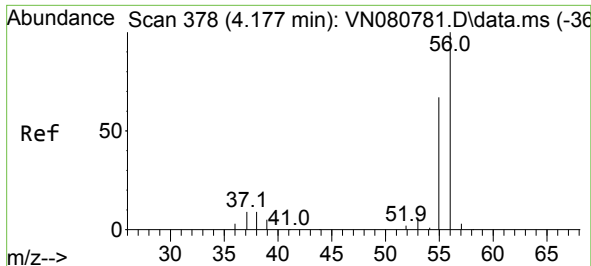
Tgt Ion: 64 Resp: 580
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.805 ug/l

RT: 4.200 min Scan# 31

Delta R.T. 0.024 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

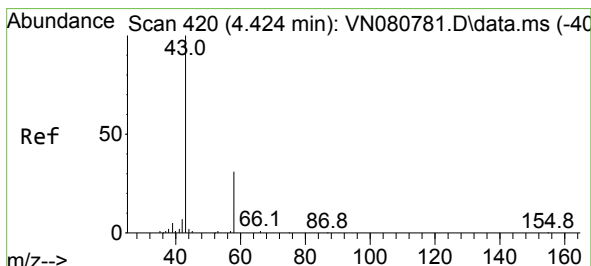
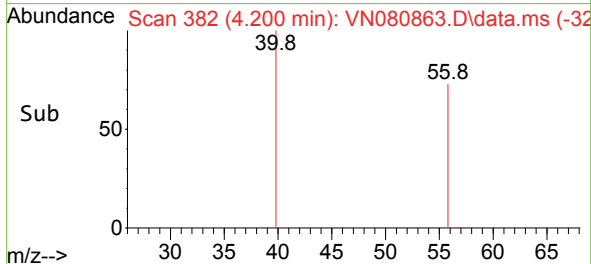
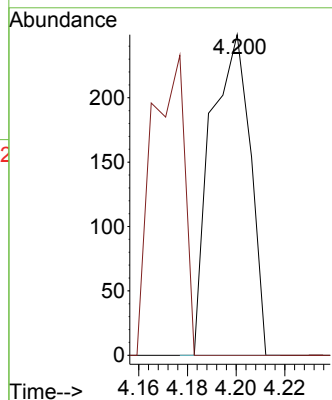
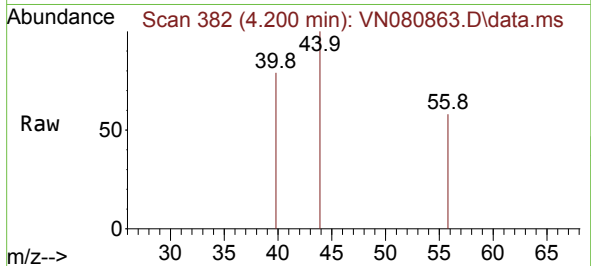
TR-614-VOC-01

Tgt Ion: 56 Resp: 280

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 36.500 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080863.D

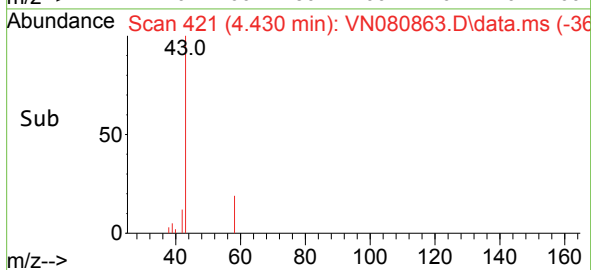
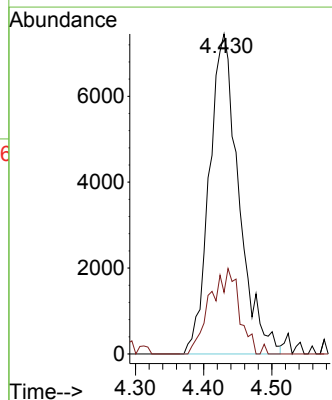
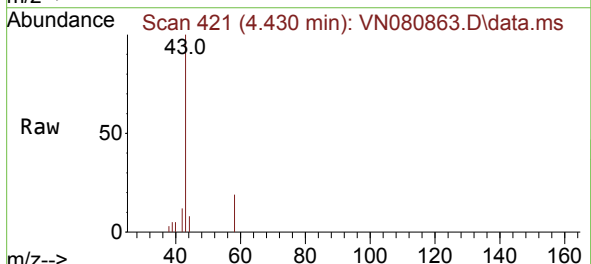
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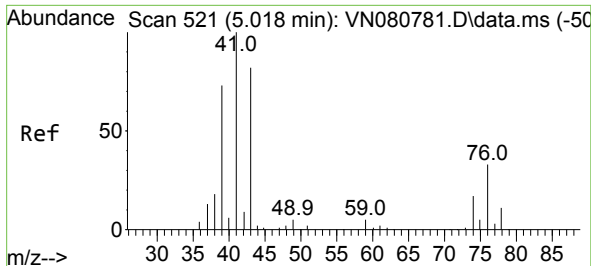
Tgt Ion: 43 Resp: 22394

Ion Ratio Lower Upper

43 100

58 19.3 24.8 37.2#

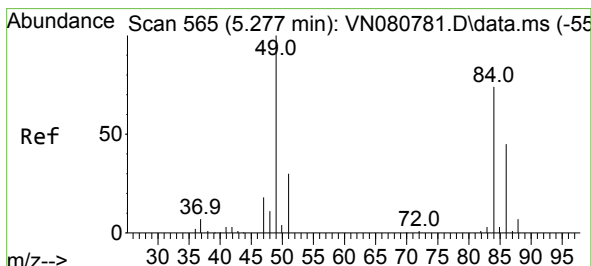
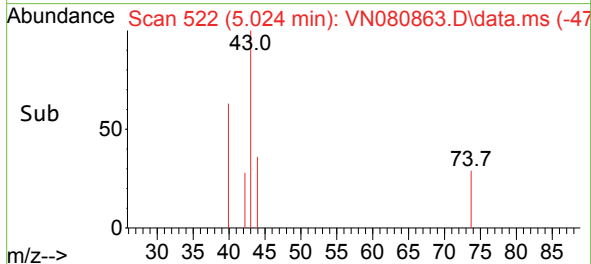
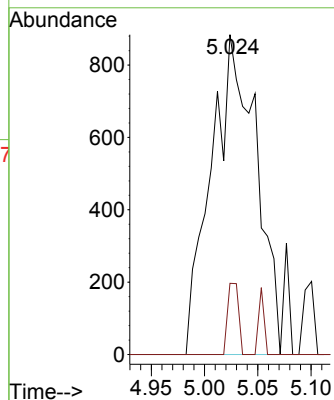
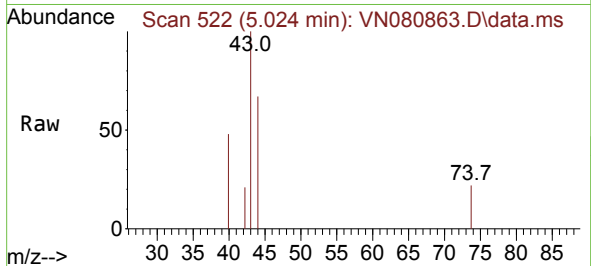




#18
Methyl Acetate
Concen: 1.219 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

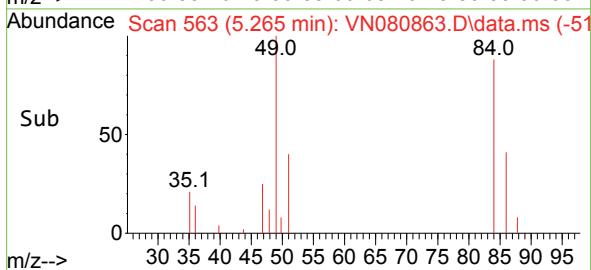
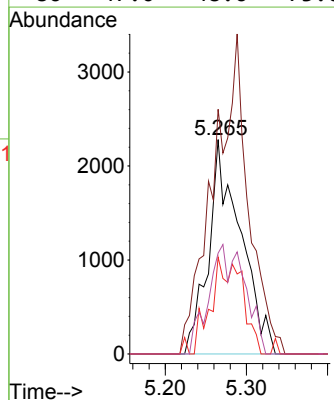
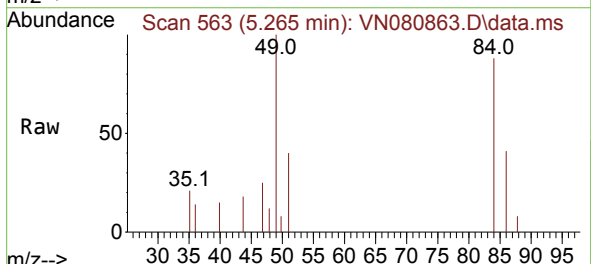
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

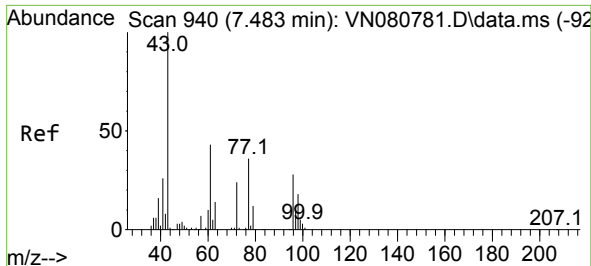
Tgt Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
74 5.3 17.3 25.9#



#20
Methylene Chloride
Concen: 3.890 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 84 Resp: 6265
Ion Ratio Lower Upper
84 100
49 114.1 108.1 162.1
51 45.2 32.9 49.3
86 47.0 48.6 73.0#

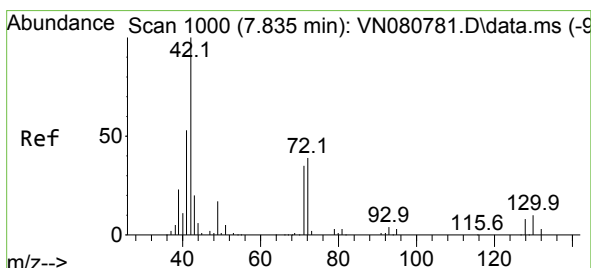
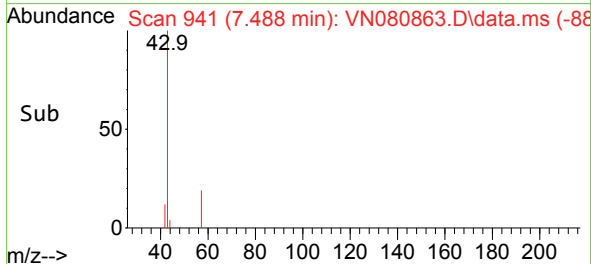
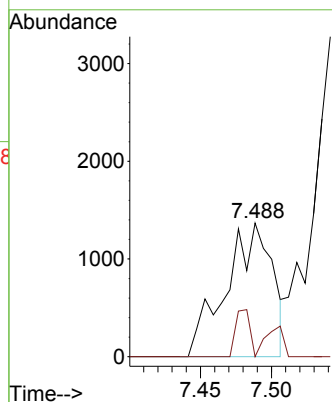
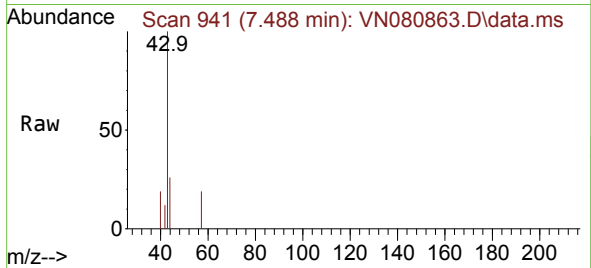




#25
2-Butanone
Concen: 2.662 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

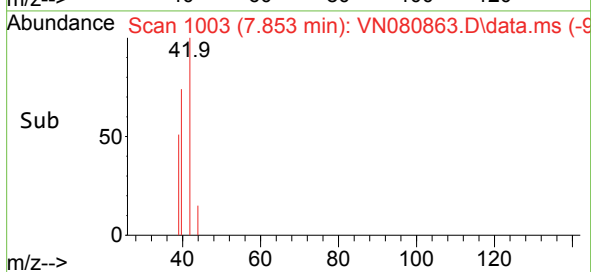
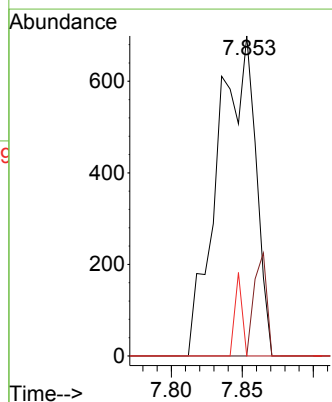
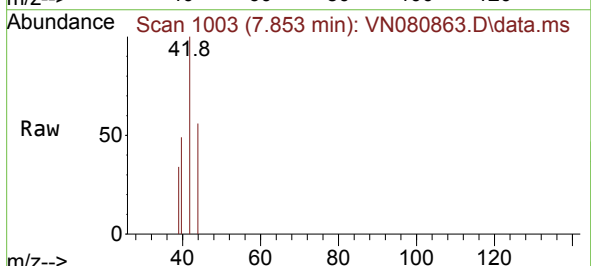
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

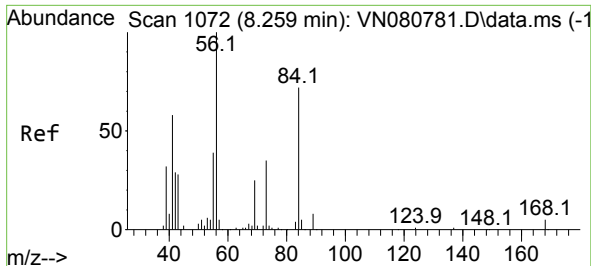
Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.650 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

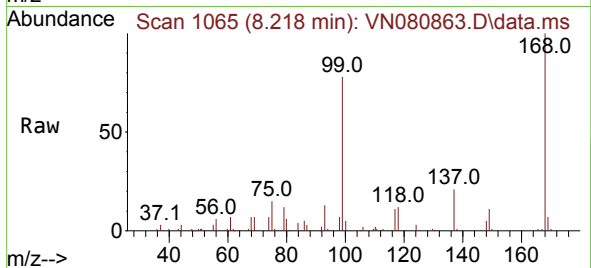
Tgt Ion: 42 Resp: 1301
Ion Ratio Lower Upper
42 100
72 10.7 31.1 46.7#
71 4.9 28.3 42.5#



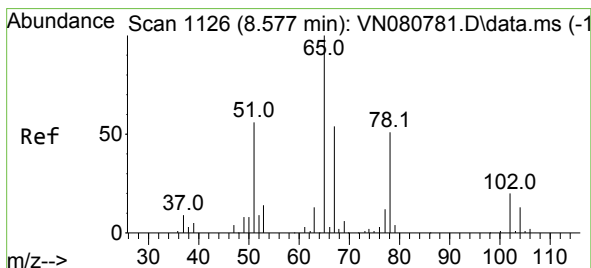
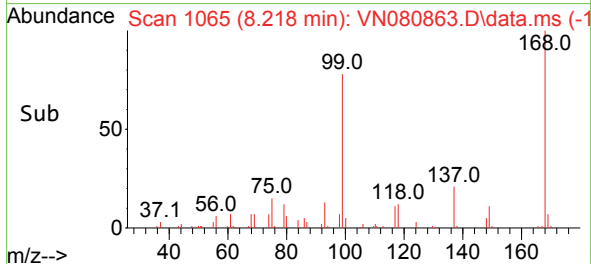
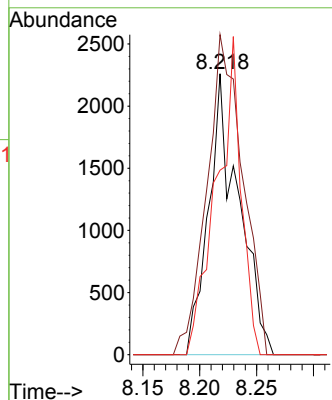


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080863.D
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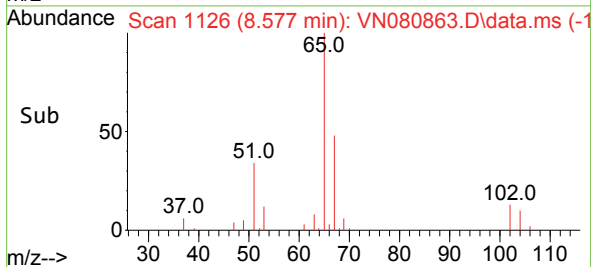
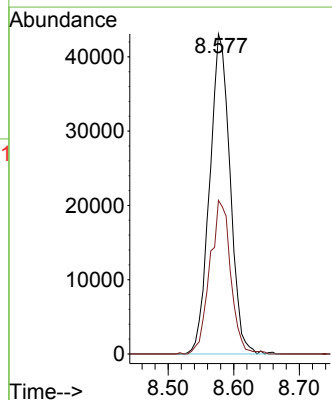
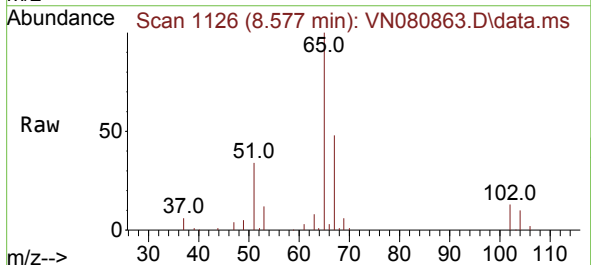


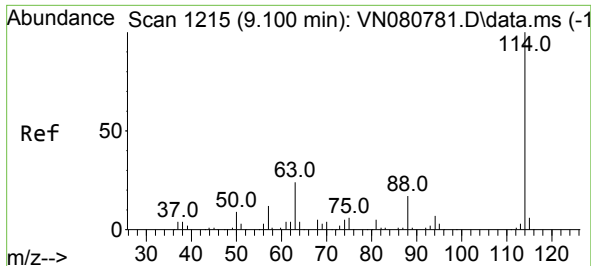
Tgt Ion: 56 Resp: 4150
Ion Ratio Lower Upper
56 100
69 113.9 20.1 30.1#
84 65.7 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 55.061 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 65 Resp: 93148
Ion Ratio Lower Upper
65 100
67 49.0 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: VN080863.D

Acq: 01 Feb 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-01

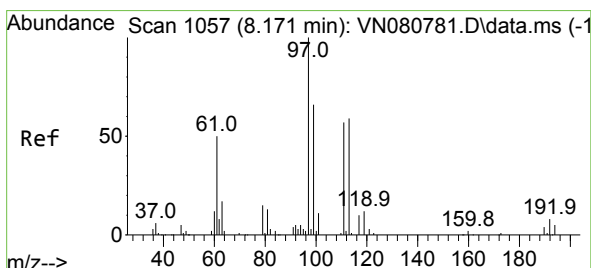
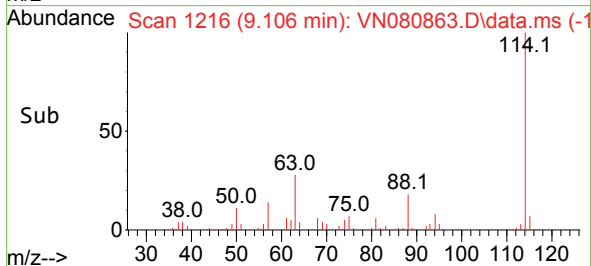
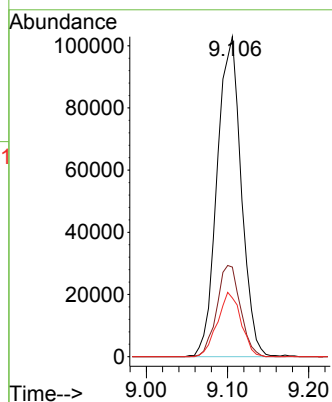
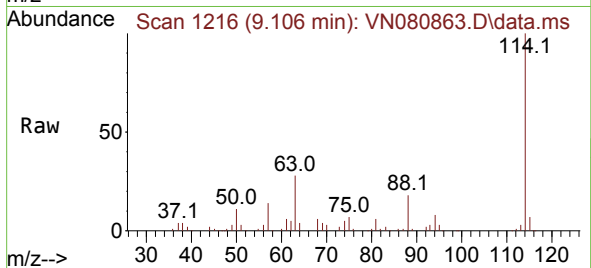
Tgt Ion:114 Resp: 212690

Ion Ratio Lower Upper

114 100

63 28.0 0.0 48.0

88 18.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.092 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

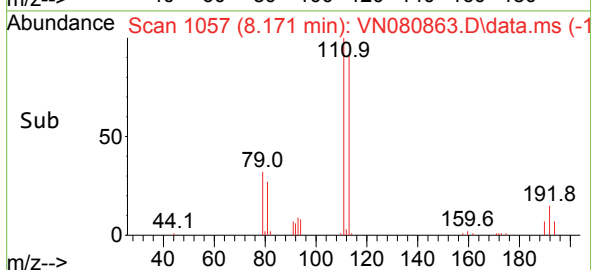
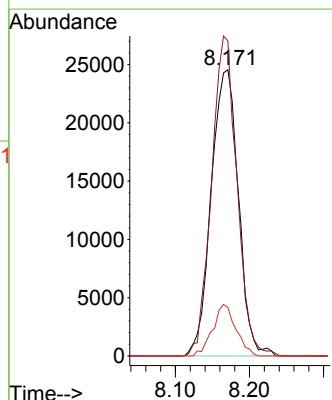
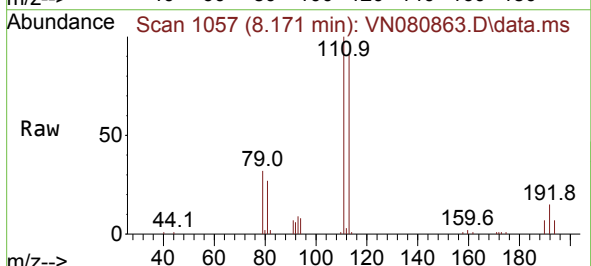
Tgt Ion:113 Resp: 62580

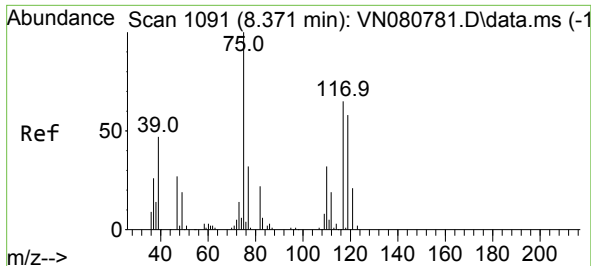
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

192 15.3 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.578 ug/l

RT: 8.230 min Scan# 1091

Delta R.T. -0.141 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-01

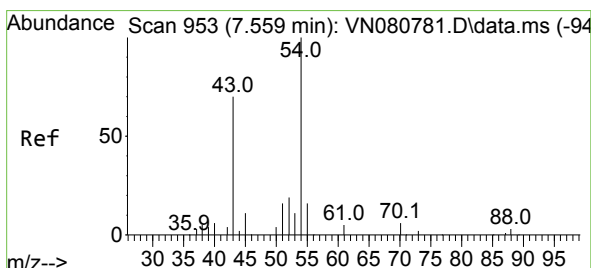
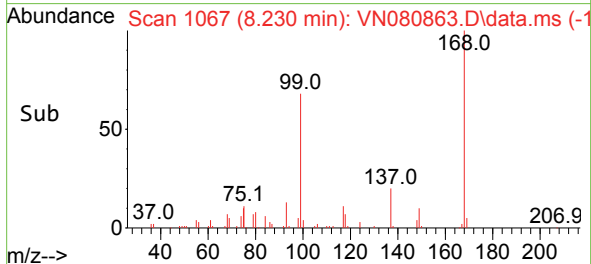
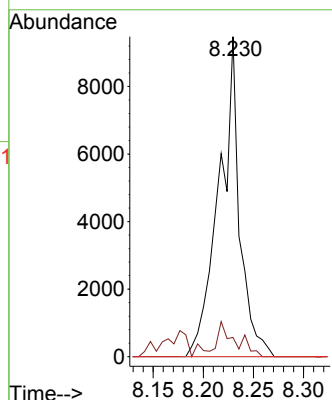
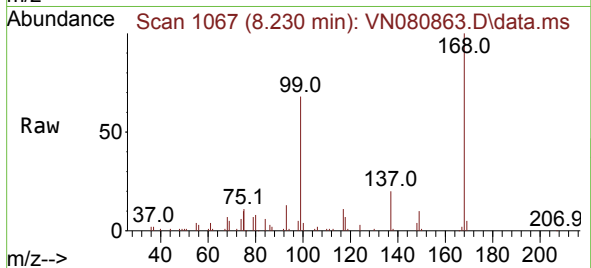
Tgt Ion: 75 Resp: 13492

Ion Ratio Lower Upper

75 100

110 9.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 6.467 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

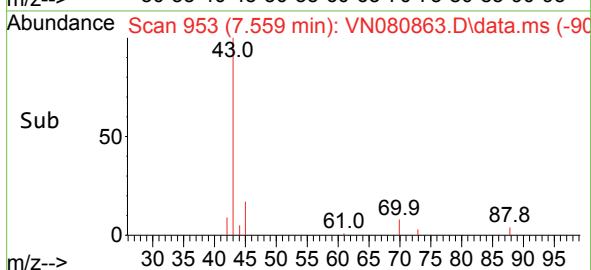
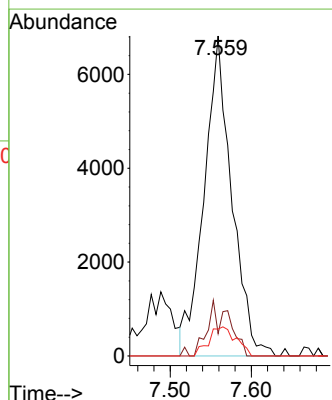
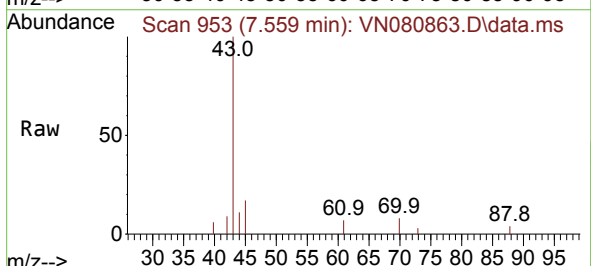
Tgt Ion: 43 Resp: 16102

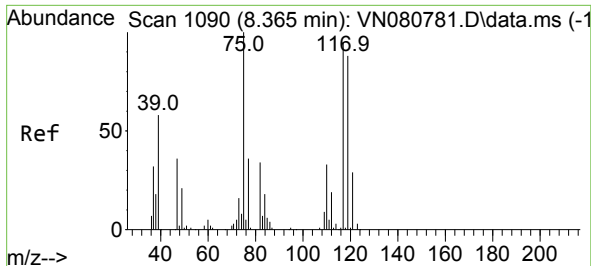
Ion Ratio Lower Upper

43 100

61 6.5 10.6 15.8#

70 9.0 8.0 12.0

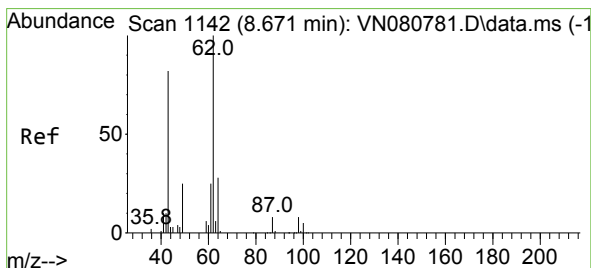
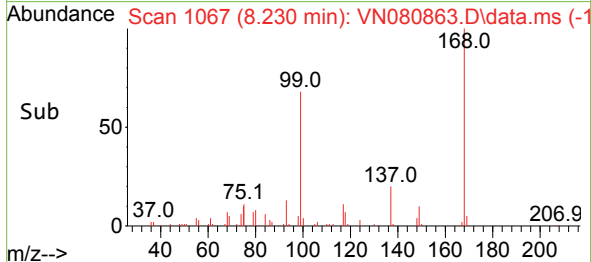
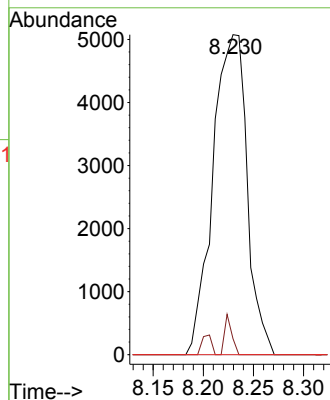
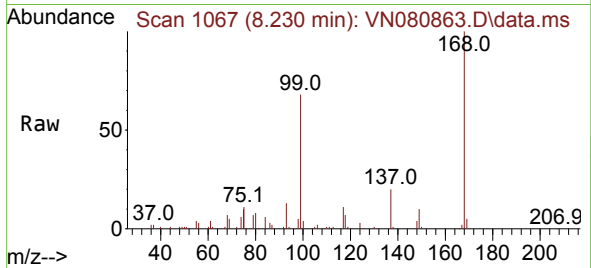




#38
Carbon Tetrachloride
Concen: 6.166 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

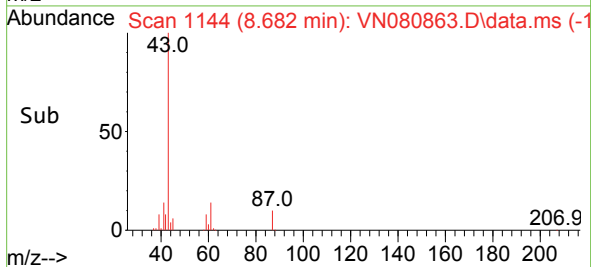
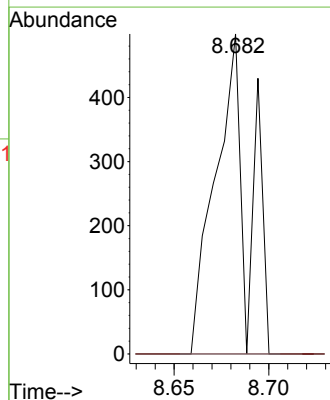
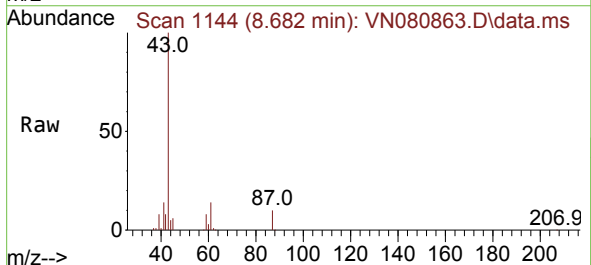
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

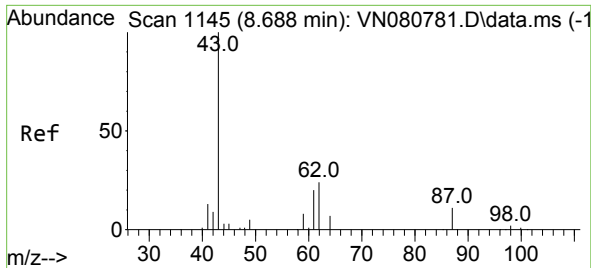
Tgt Ion:117 Resp: 12016
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.261 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 62 Resp: 604
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

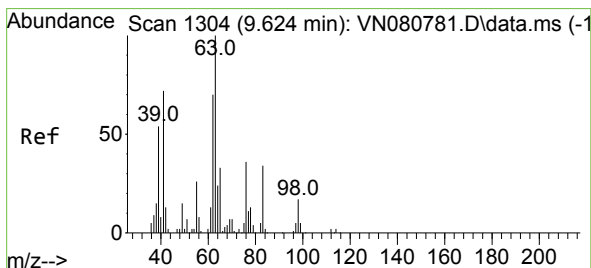
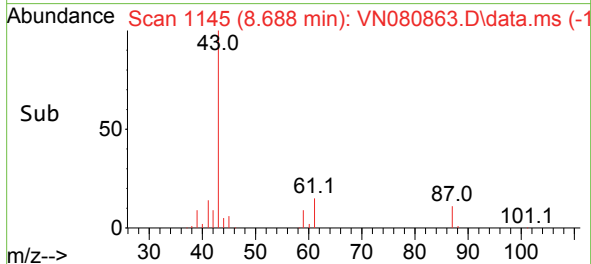
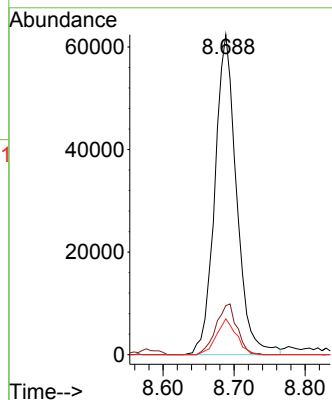
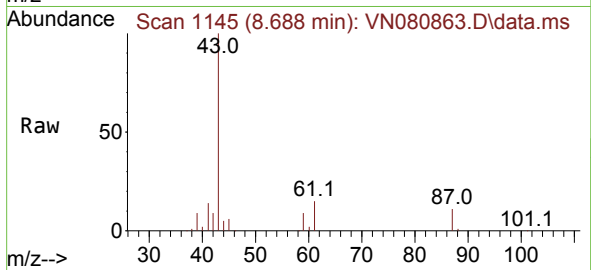




#43
Isopropyl Acetate
Concen: 29.243 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

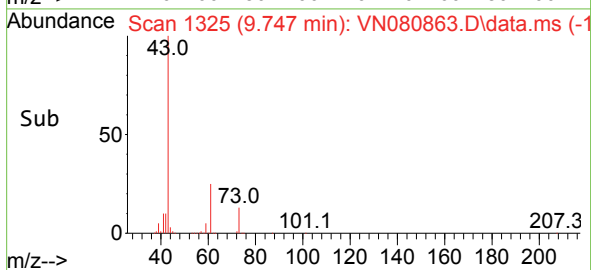
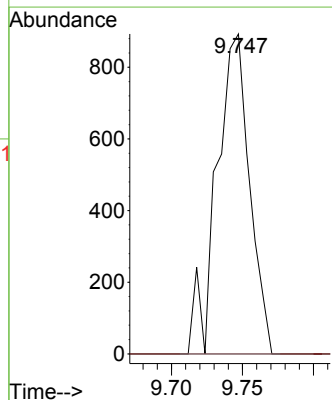
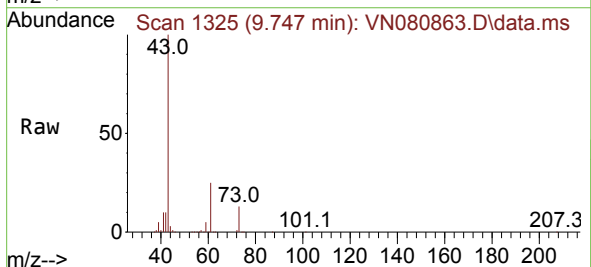
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

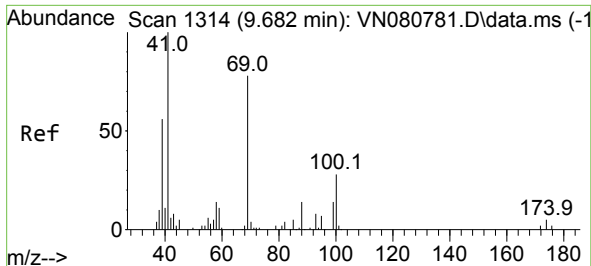
Tgt Ion: 43 Resp: 132556
Ion Ratio Lower Upper
43 100
61 15.3 19.9 29.9#
87 10.2 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.749 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 63 Resp: 1440
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

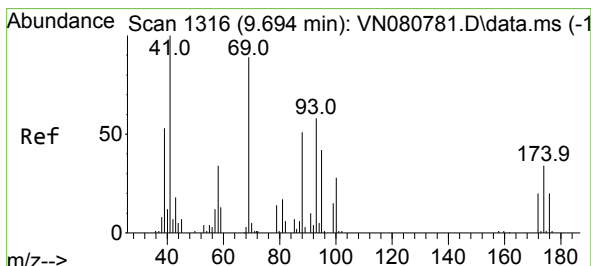
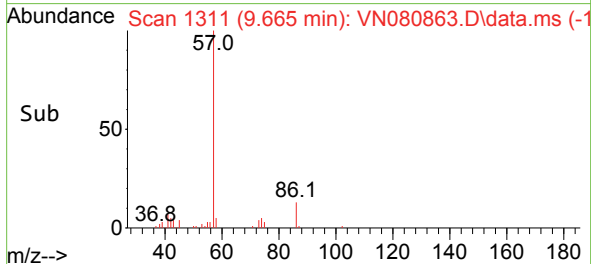
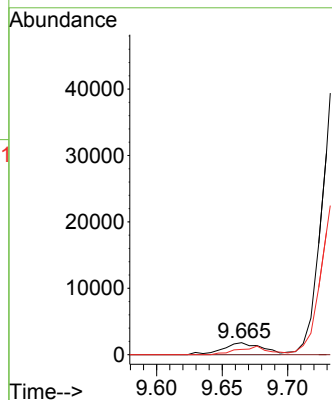
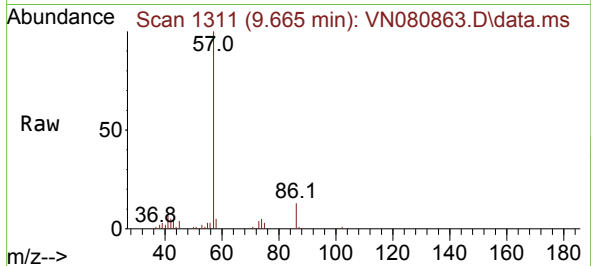




#48
Methyl methacrylate
Concen: 1.700 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

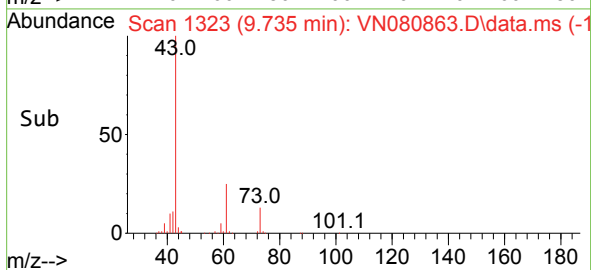
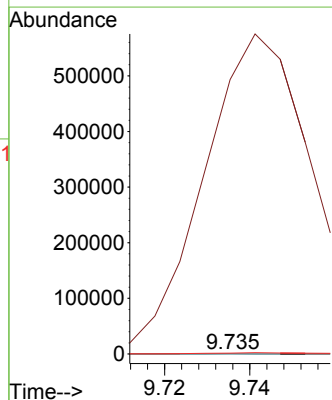
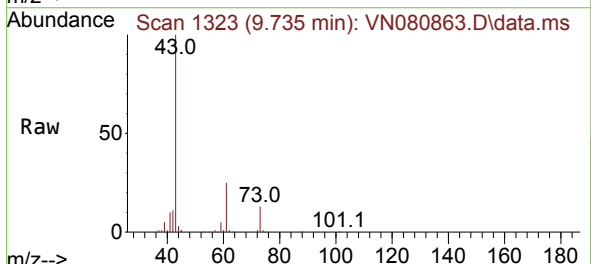
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

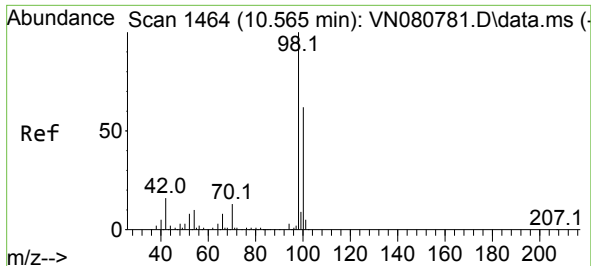
Tgt Ion: 41 Resp: 3736
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 55.6 47.6 71.4



#49
1,4-Dioxane
Concen: 3.211 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 1222736.5 30.1 45.1#
58 4804.7 63.9 95.9#

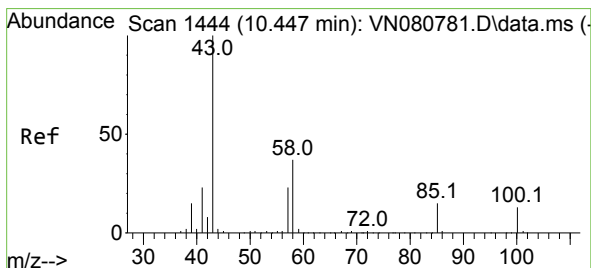
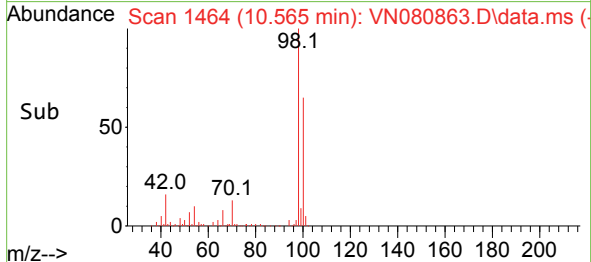
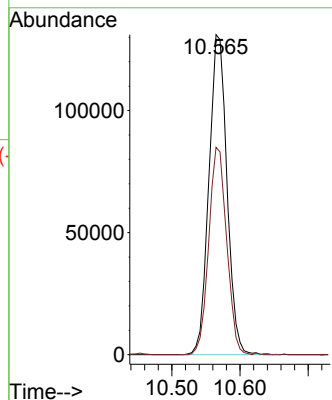
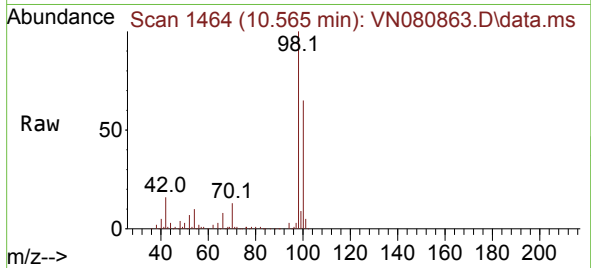




#50
Toluene-d8
Concen: 47.344 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

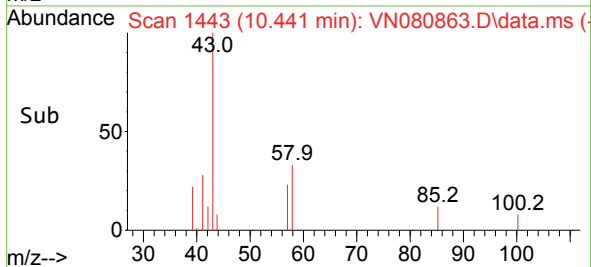
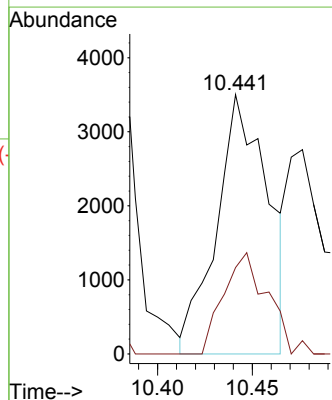
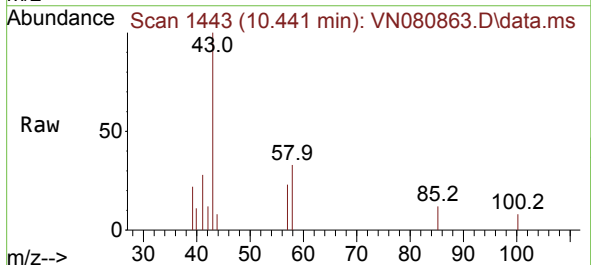
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

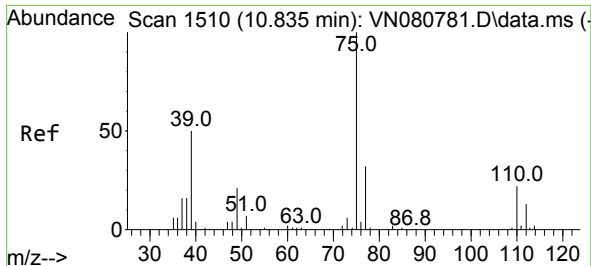
Tgt Ion: 98 Resp: 241120
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.583 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 43 Resp: 6545
Ion Ratio Lower Upper
43 100
58 34.0 29.4 44.0

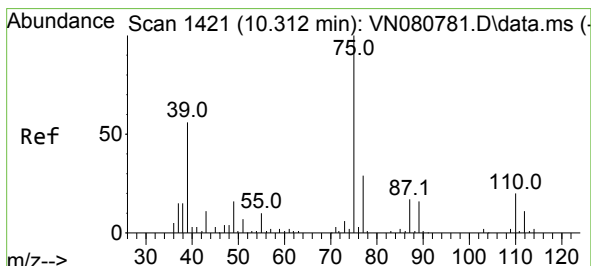
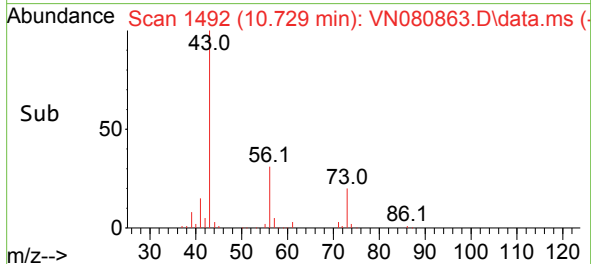
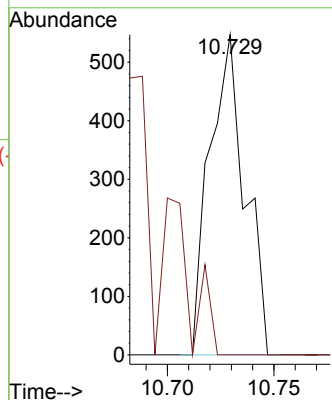
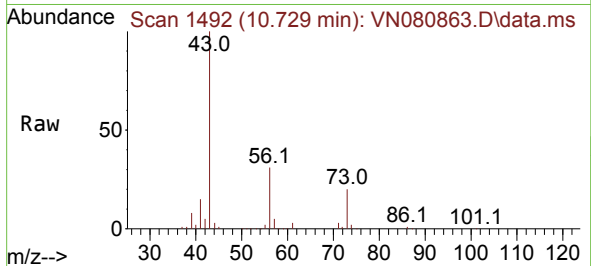




#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

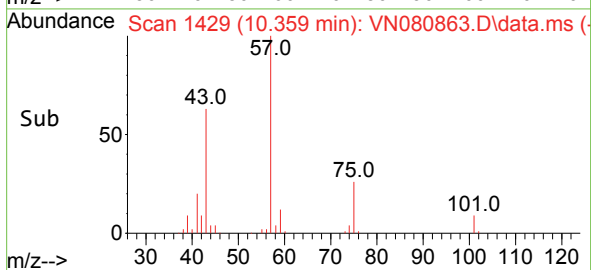
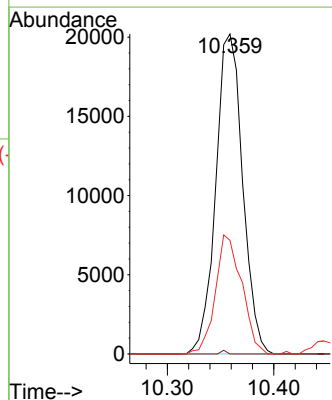
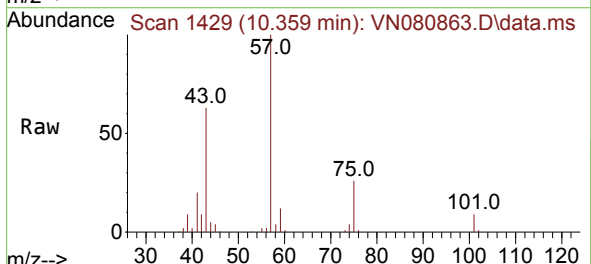
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

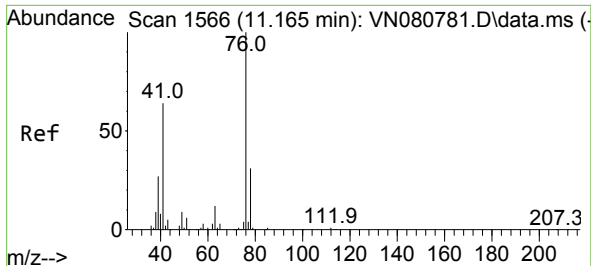
Tgt Ion: 75 Resp: 631
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 12.055 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 75 Resp: 35359
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 35.5 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.396 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

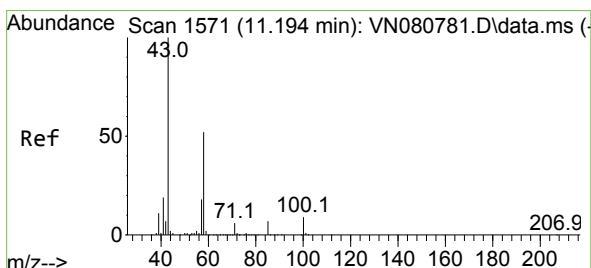
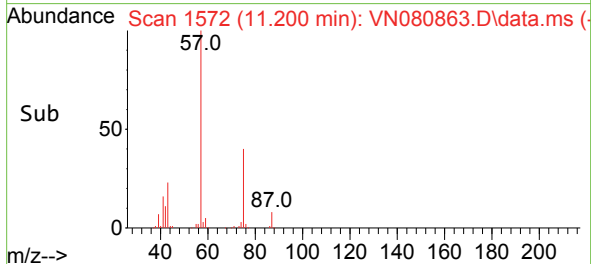
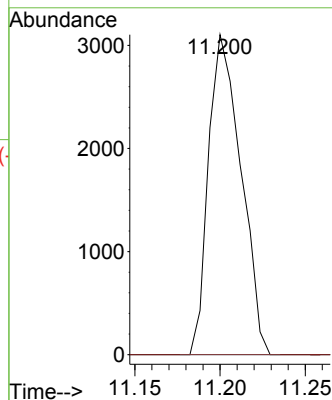
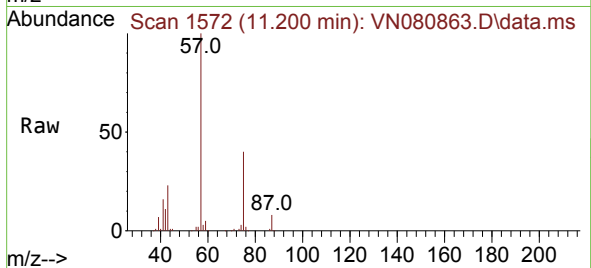
TR-614-VOC-01

Tgt Ion: 76 Resp: 4115

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 47.790 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080863.D

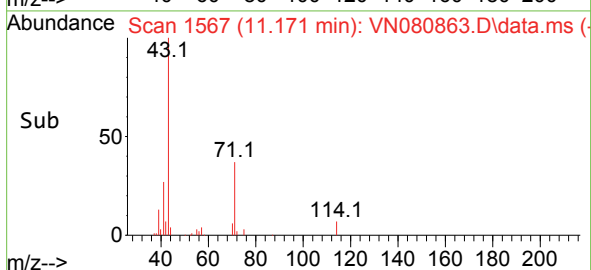
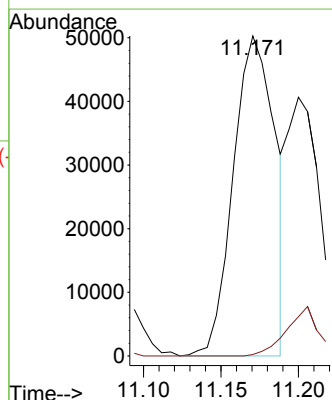
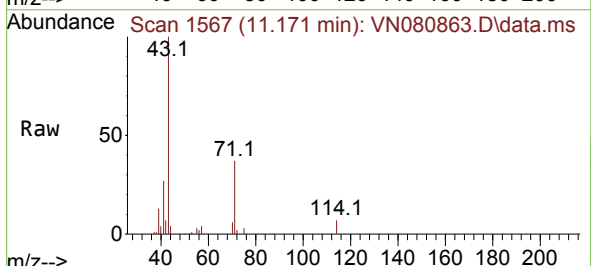
Acq: 01 Feb 2024 12:26

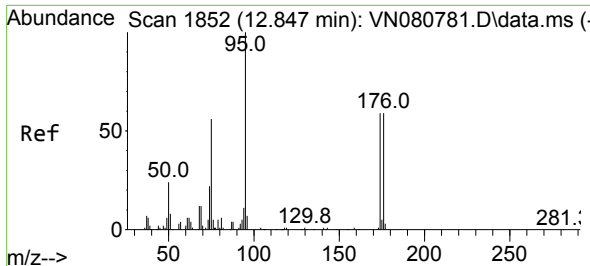
Tgt Ion: 43 Resp: 94068

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

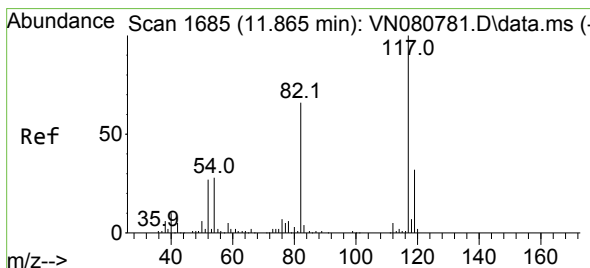
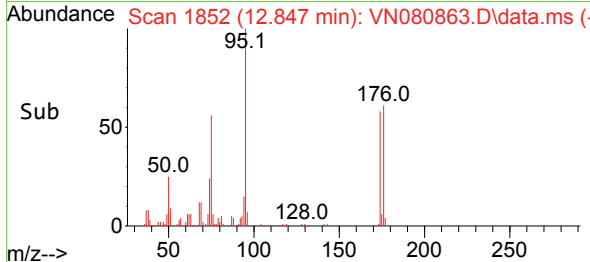
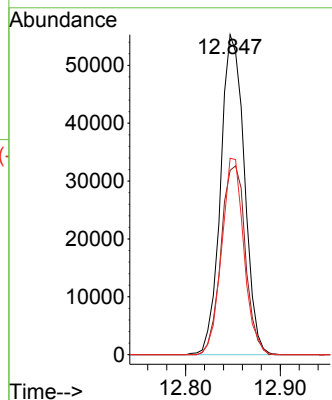
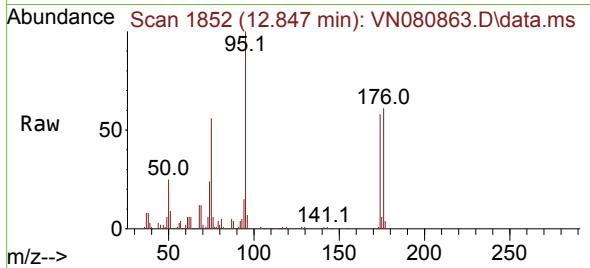




#62
4-Bromofluorobenzene
Concen: 54.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

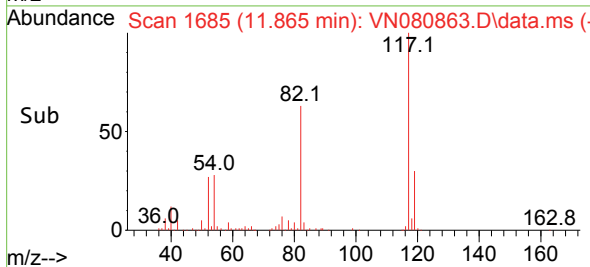
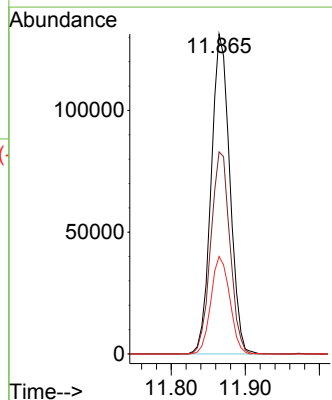
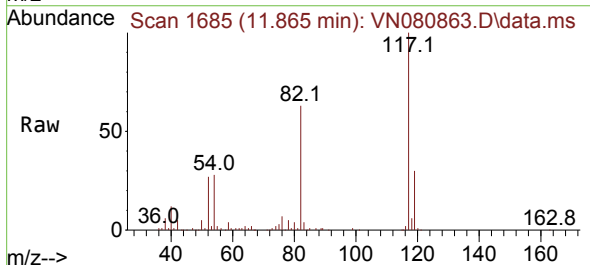
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-01

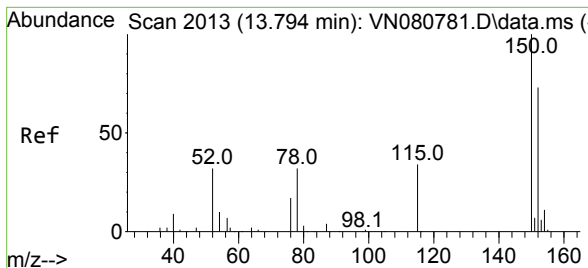
Tgt Ion: 95 Resp: 96307
Ion Ratio Lower Upper
95 100
174 60.7 0.0 120.4
176 57.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080863.D
Acq: 01 Feb 2024 12:26

Tgt Ion: 117 Resp: 229328
Ion Ratio Lower Upper
117 100
82 63.2 52.7 79.1
119 30.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080863.D

Acq: 01 Feb 2024 12:26

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-01

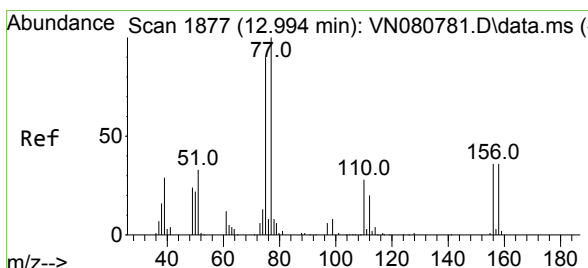
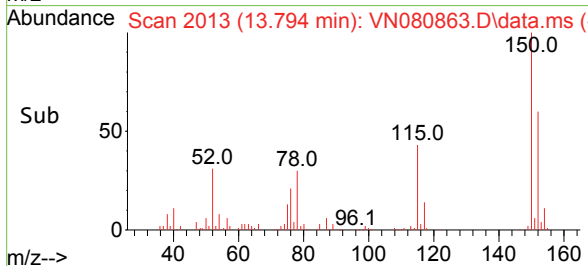
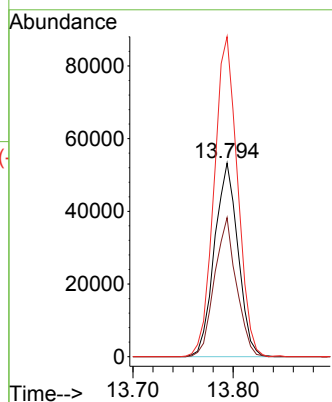
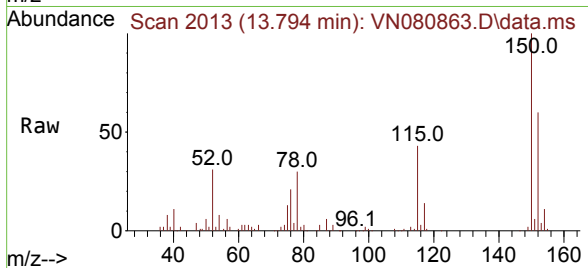
Tgt Ion:152 Resp: 86761

Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 164.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.254 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080863.D

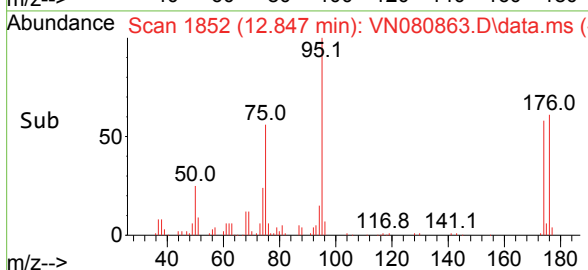
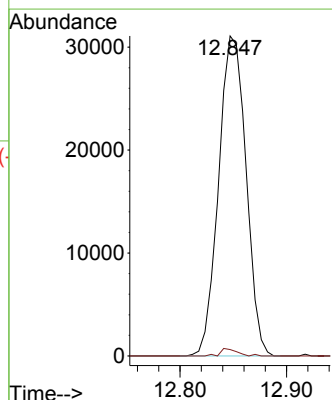
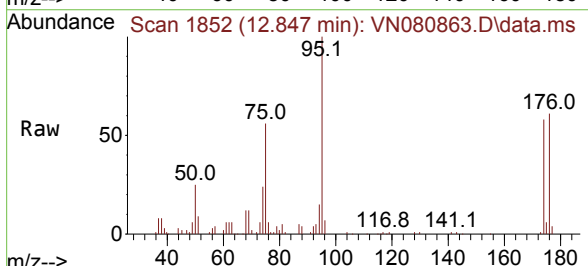
Acq: 01 Feb 2024 12:26

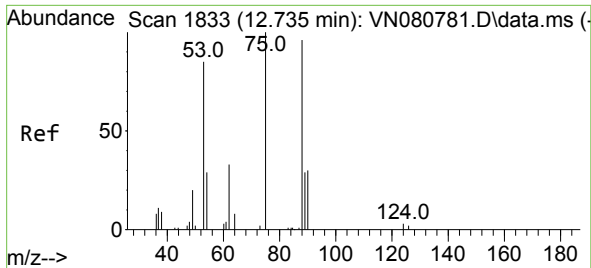
Tgt Ion: 75 Resp: 55616

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.754 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080863.D
 Acq: 01 Feb 2024 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-01

Tgt Ion: 75 Resp: 55616
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

