

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
 Data File : VN080864.D
 Acq On : 01 Feb 2024 12:50
 Operator : JC\MD
 Sample : P1307-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-02

Quant Time: Feb 02 03:37:35 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)

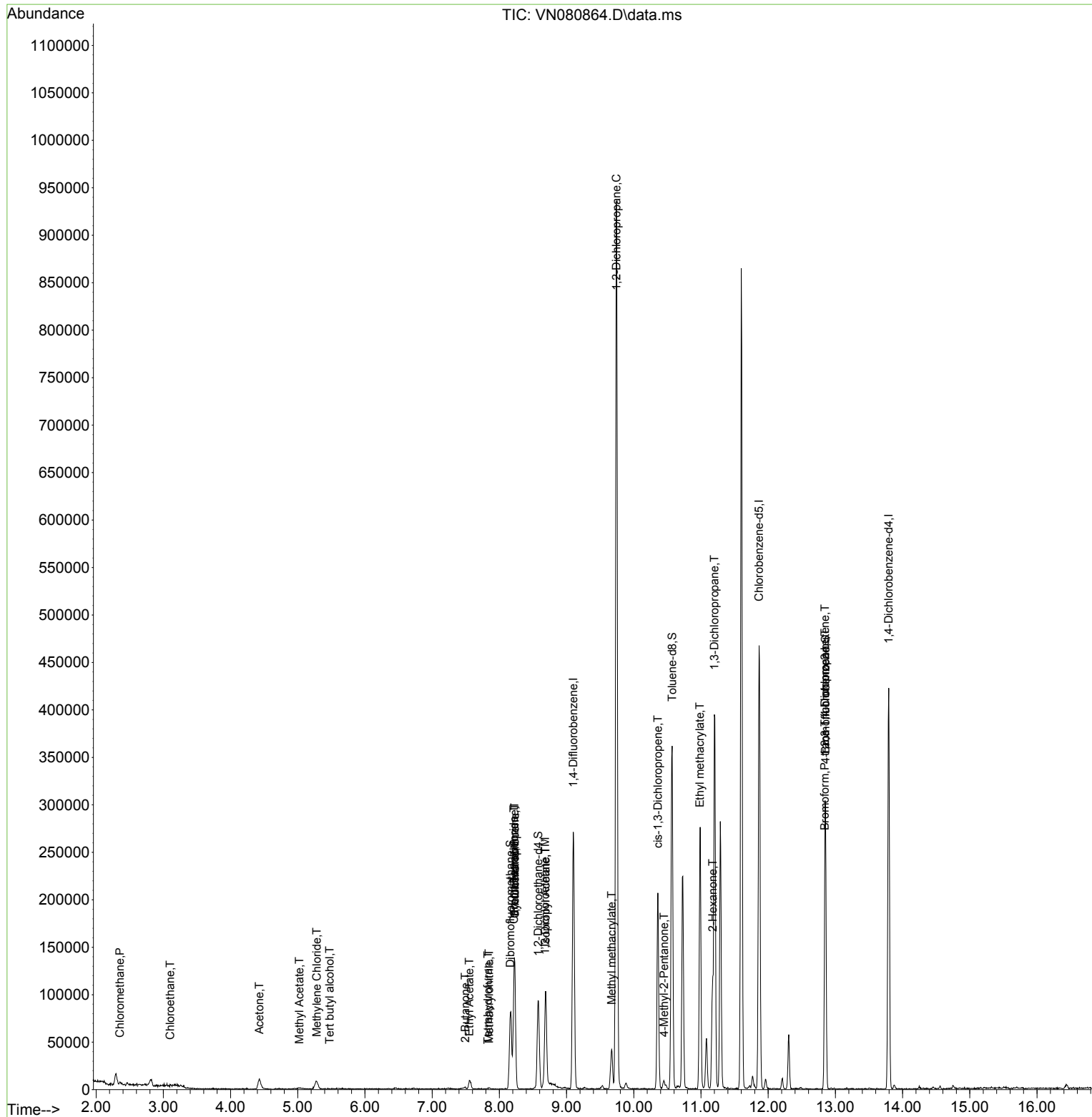
Internal Standards						
1) Pentafluorobenzene	8.224	168	88351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	206786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72368	47.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	8.165	113	58881	46.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.080%		
50) Toluene-d8	10.571	98	238900	48.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.853	95	101177	58.636	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.280%		
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	1560	0.791	ug/l	93
6) Chloroethane	3.100	64	586	0.733	ug/l #	42
11) Tert butyl alcohol	5.477	59	64	0.257	ug/l #	72
16) Acetone	4.430	43	19929	35.952	ug/l	94
18) Methyl Acetate	5.024	43	922	0.477	ug/l	97
20) Methylene Chloride	5.283	84	5226	3.591	ug/l #	88
25) 2-Butanone	7.494	43	3319	3.152	ug/l #	69
29) Tetrahydrofuran	7.830	42	297	0.417	ug/l #	77
31) Cyclohexane	8.229	56	3587	1.369	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	11126	4.732	ug/l #	48
37) Ethyl Acetate	7.553	43	13805	5.703	ug/l	99
38) Carbon Tetrachloride	8.218	117	10604	5.597	ug/l #	14
41) Methacrylonitrile	7.847	41	589	0.413	ug/l #	34
42) 1,2-Dichloroethane	8.682	62	566	0.251	ug/l #	75
43) Isopropyl Acetate	8.688	43	126014	28.593	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1058	0.566	ug/l #	42
48) Methyl methacrylate	9.671	41	3453	1.616	ug/l #	42
51) 4-Methyl-2-Pentanone	10.453	43	6700	2.720	ug/l #	87
54) cis-1,3-Dichloropropene	10.359	75	33344	11.693	ug/l #	61
56) Ethyl methacrylate	10.982	69	587	0.251	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4561	1.591	ug/l #	43
59) 2-Hexanone	11.176	43	92687	48.433	ug/l #	26
71) Bromoform	12.841	173	416	0.392	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65700	24.377	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65700	62.800	ug/l #	14

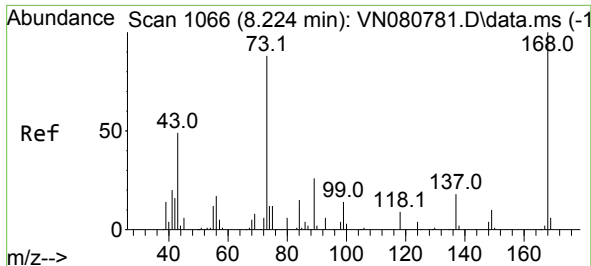
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020124\
Data File : VN080864.D
Acq On : 01 Feb 2024 12:50
Operator : JC\MD
Sample : P1307-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

Quant Time: Feb 02 03:37:35 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

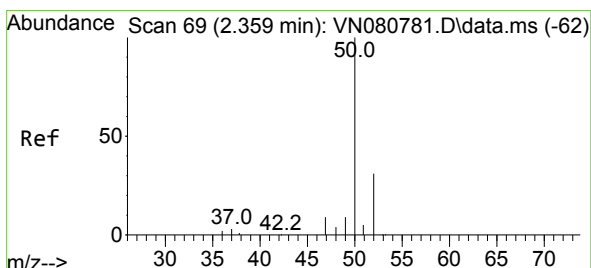
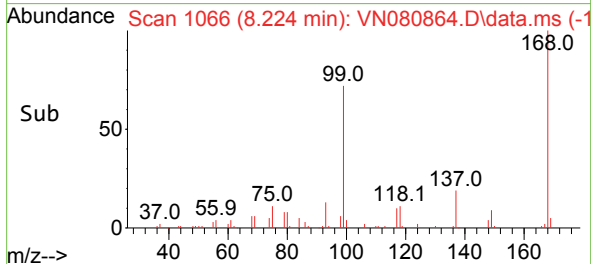
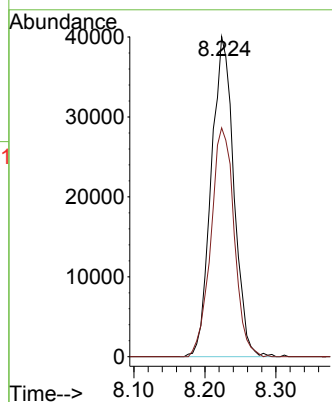
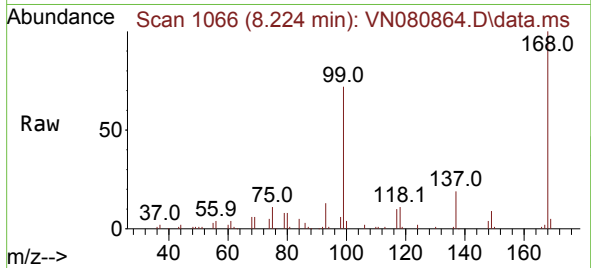




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

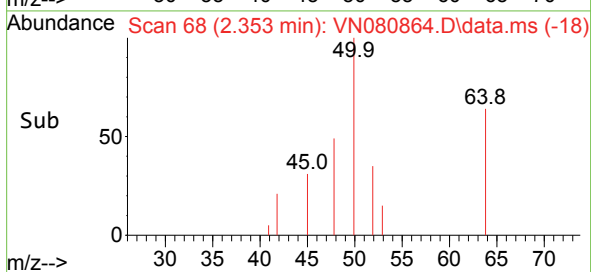
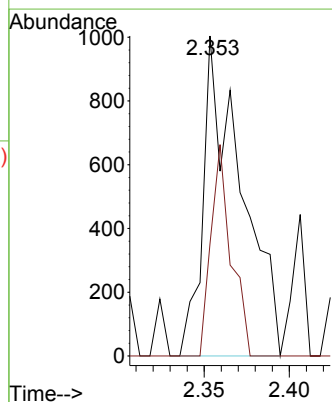
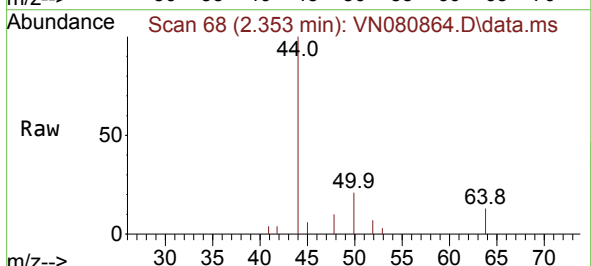
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

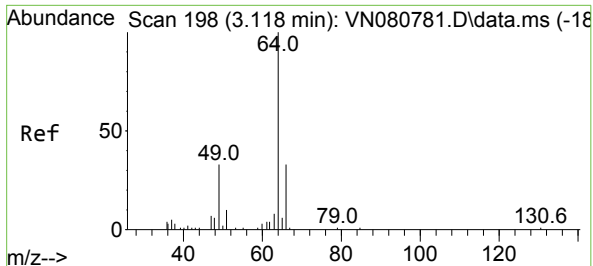
Tgt Ion:168 Resp: 88351
Ion Ratio Lower Upper
168 100
99 71.5 59.9 89.9



#3
Chloromethane
Concen: 0.791 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 35.0 25.0 37.4

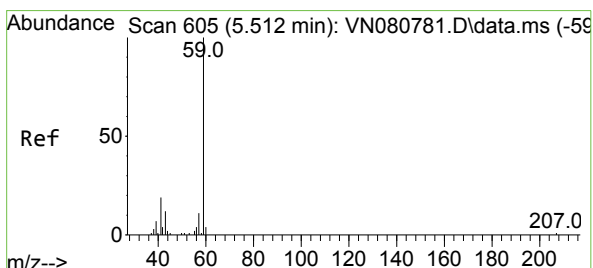
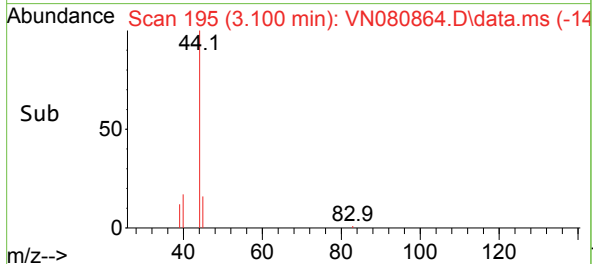
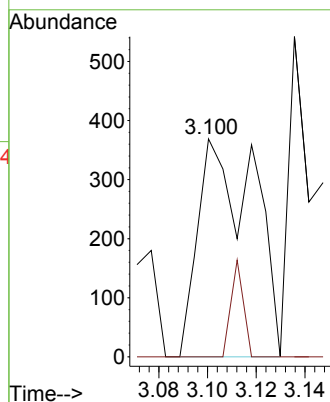
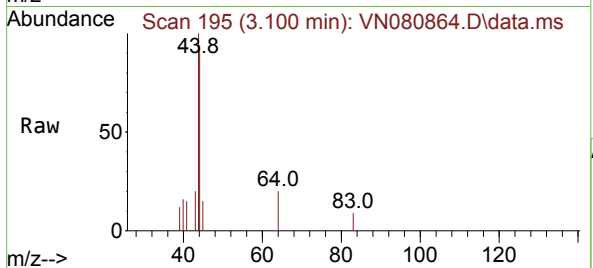




#6
Chloroethane
Concen: 0.733 ug/l
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

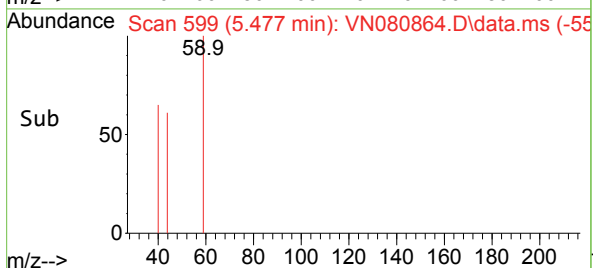
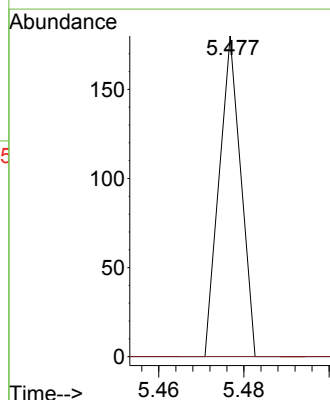
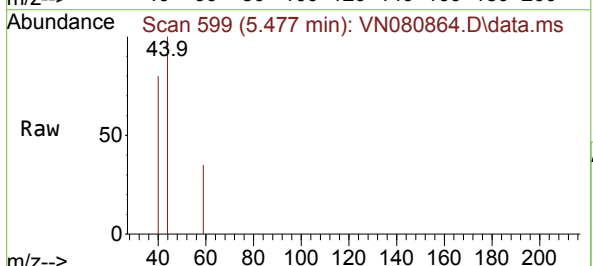
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

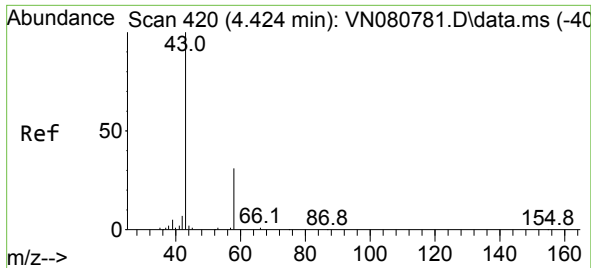
Tgt Ion: 64 Resp: 586
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.035 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

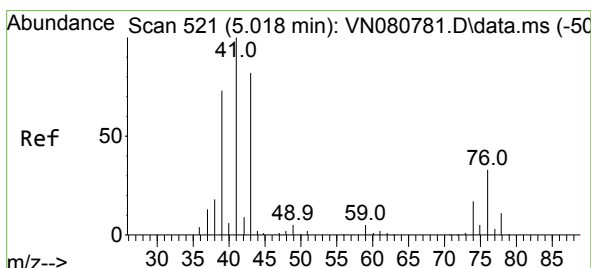
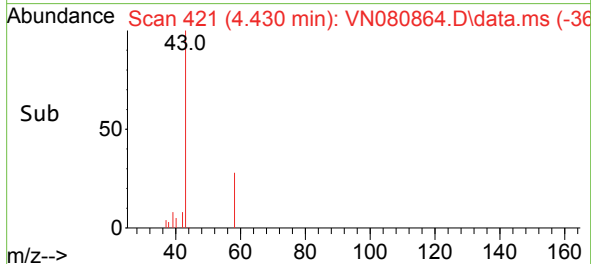
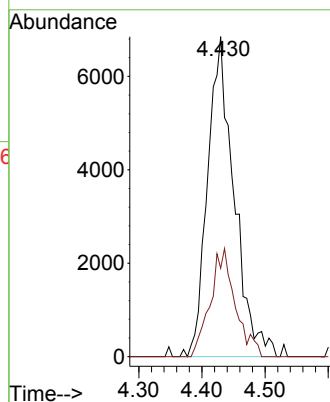
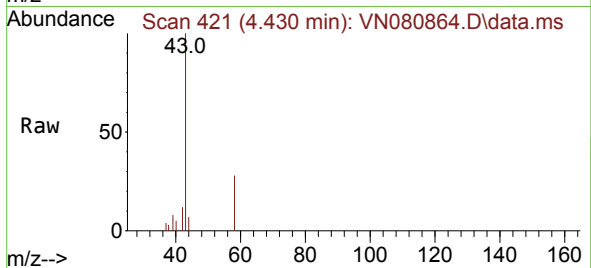




#16
Acetone
Concen: 35.952 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

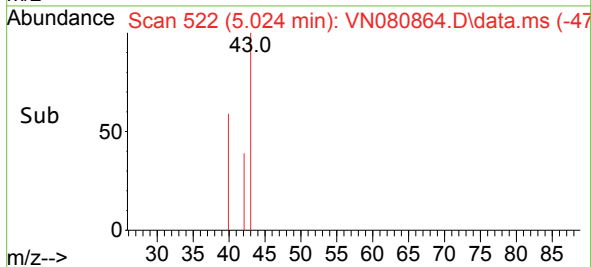
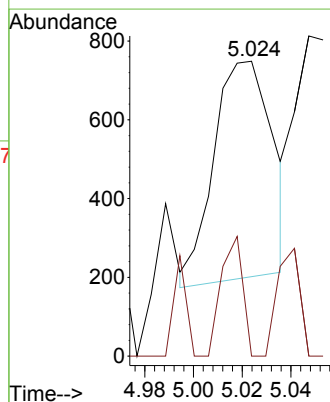
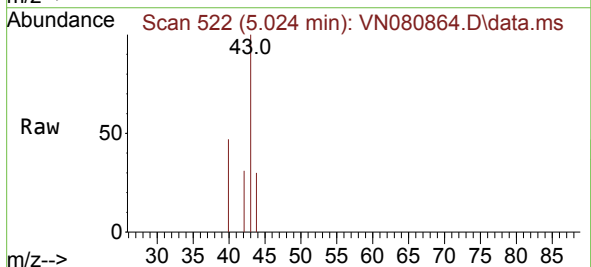
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

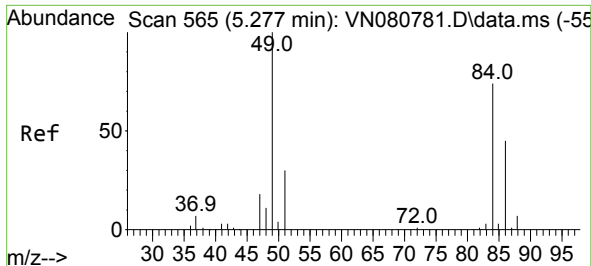
Tgt Ion: 43 Resp: 19929
Ion Ratio Lower Upper
43 100
58 27.6 24.8 37.2



#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
74 20.4 17.3 25.9

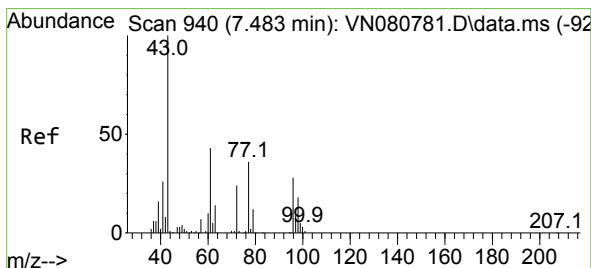
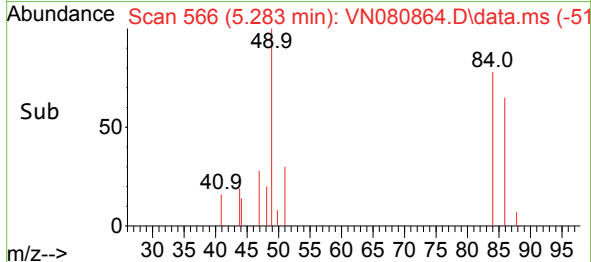
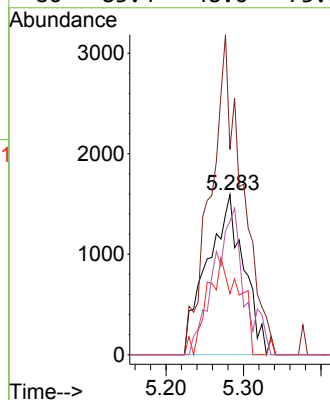
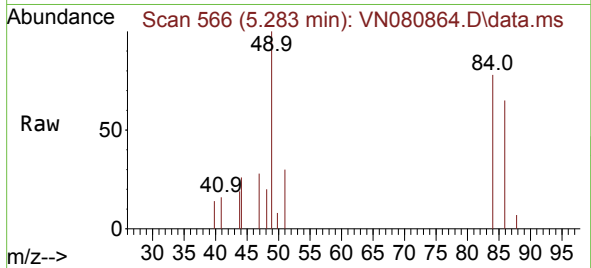




#20
Methylene Chloride
Concen: 3.591 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

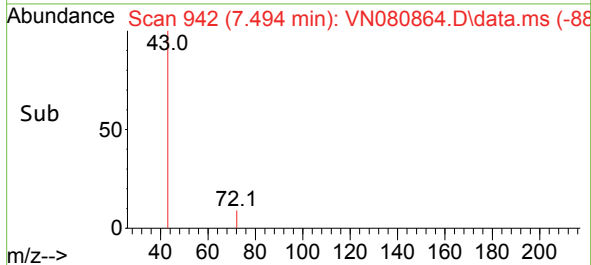
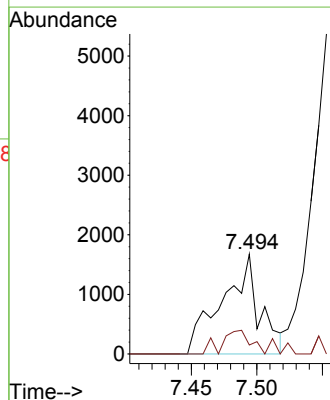
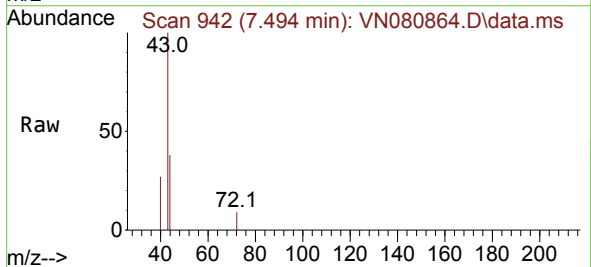
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

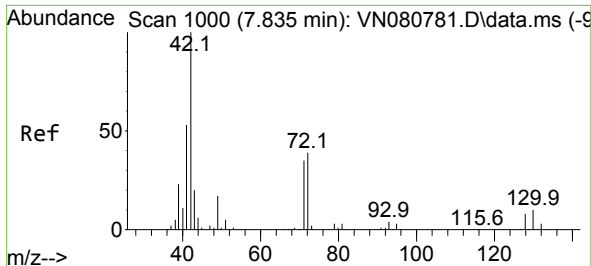
Tgt Ion: 84 Resp: 5226
Ion Ratio Lower Upper
84 100
49 128.2 108.1 162.1
51 38.0 32.9 49.3
86 83.4 48.6 73.0#



#25
2-Butanone
Concen: 3.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 43 Resp: 3319
Ion Ratio Lower Upper
43 100
72 8.9 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.417 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN080864.D

Acq: 01 Feb 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

TR-614-VOC-02

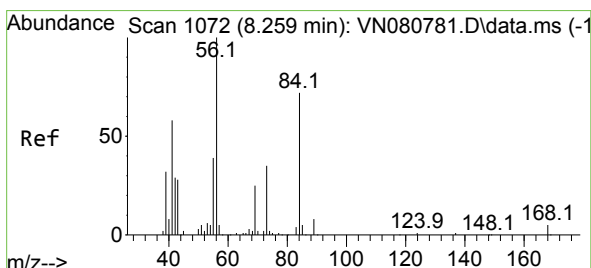
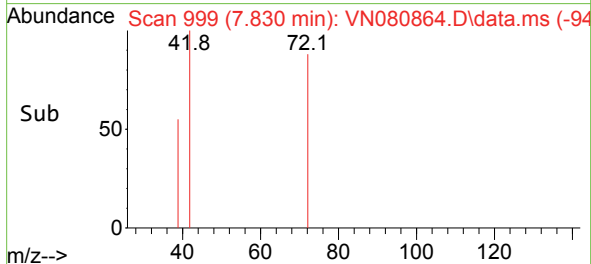
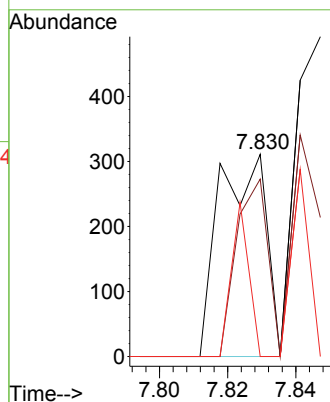
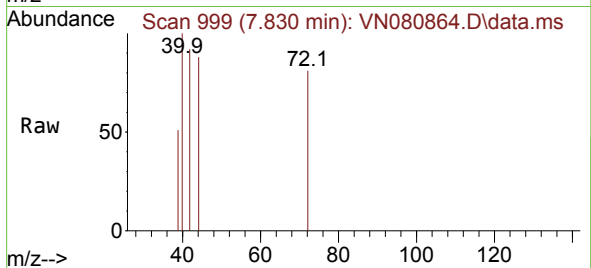
Tgt Ion: 42 Resp: 297

Ion Ratio Lower Upper

42 100

72 58.6 31.1 46.7#

71 28.3 28.3 42.5#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN080864.D

Acq: 01 Feb 2024 12:50

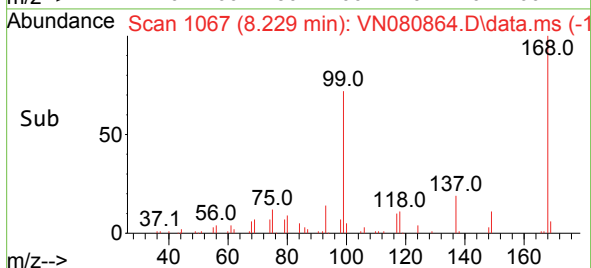
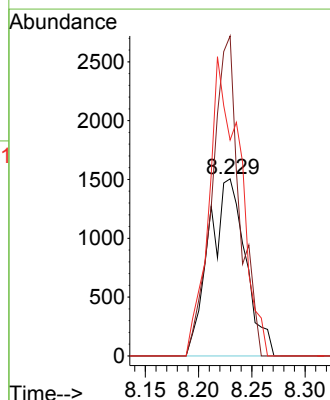
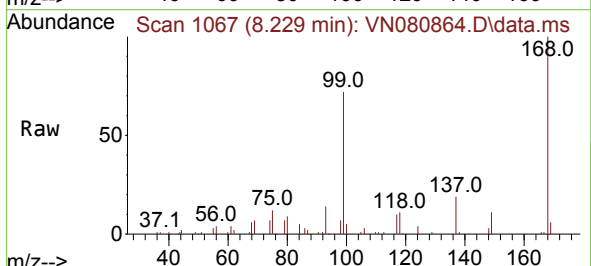
Tgt Ion: 56 Resp: 3587

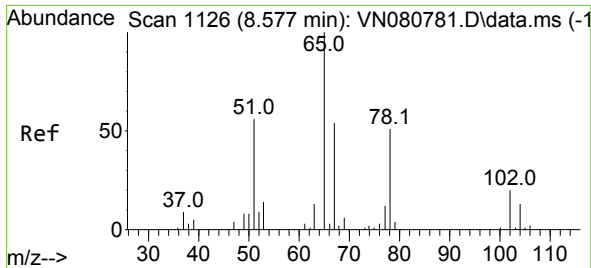
Ion Ratio Lower Upper

56 100

69 180.7 20.1 30.1#

84 121.9 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.347 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080864.D

Acq: 01 Feb 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

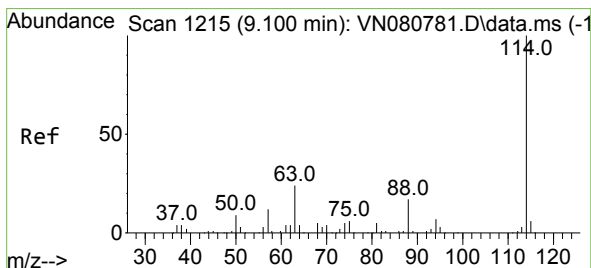
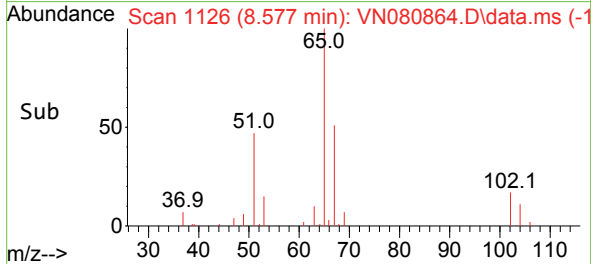
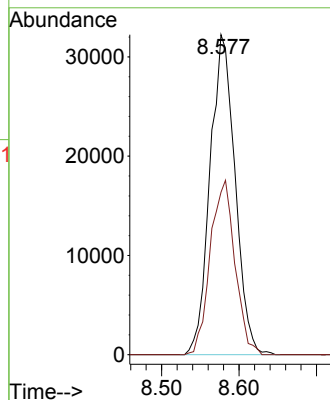
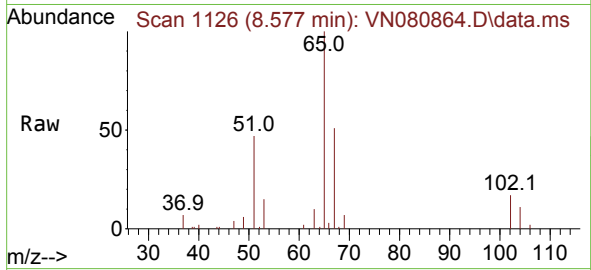
TR-614-VOC-02

Tgt Ion: 65 Resp: 72368

Ion Ratio Lower Upper

65 100

67 53.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN080864.D

Acq: 01 Feb 2024 12:50

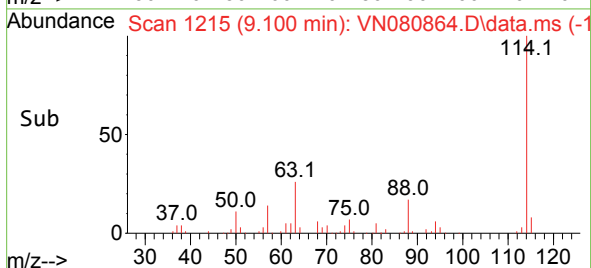
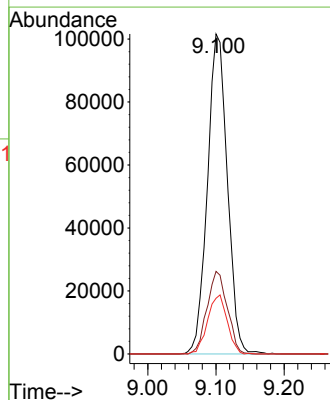
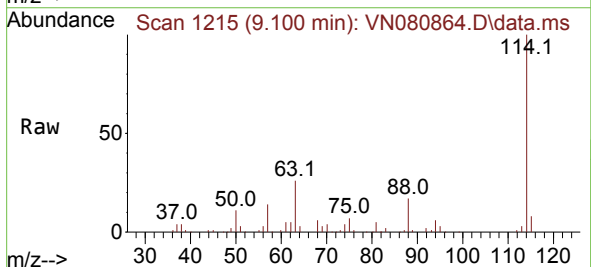
Tgt Ion: 114 Resp: 206786

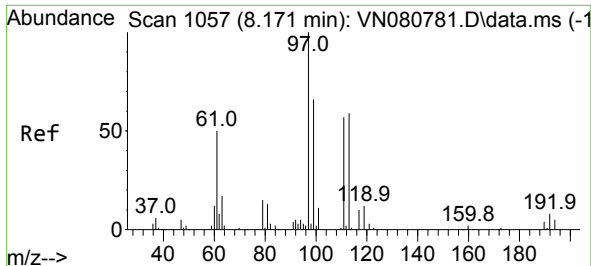
Ion Ratio Lower Upper

114 100

63 25.8 0.0 48.0

88 17.4 0.0 34.8

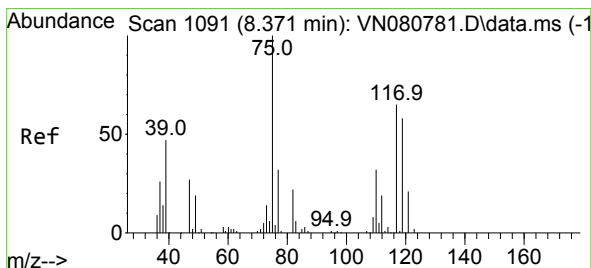
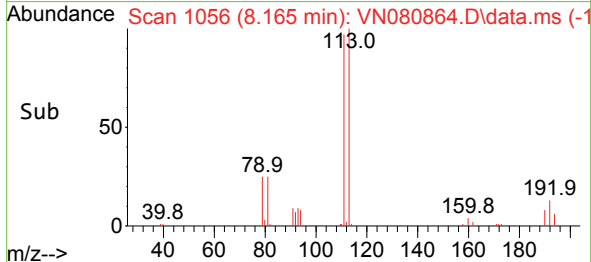
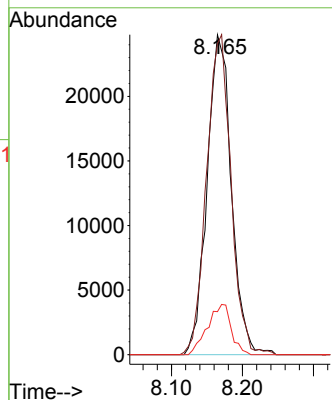
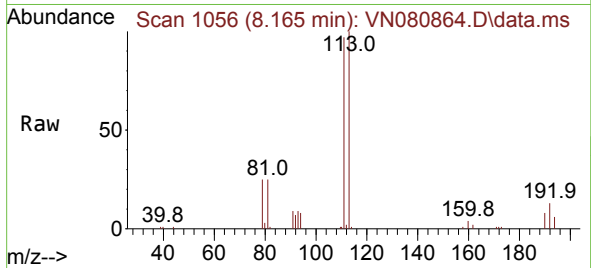




#35
Dibromofluoromethane
Concen: 46.542 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

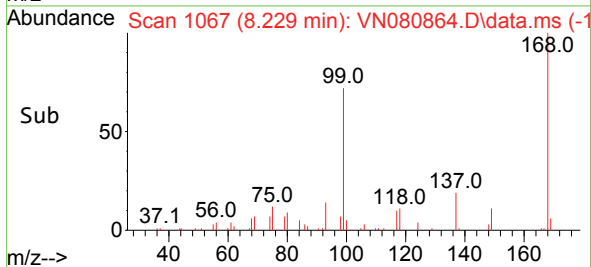
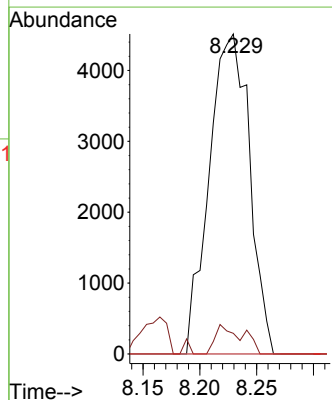
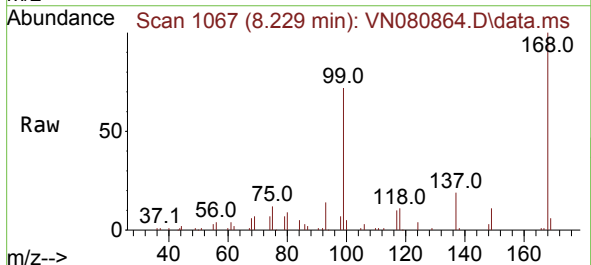
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

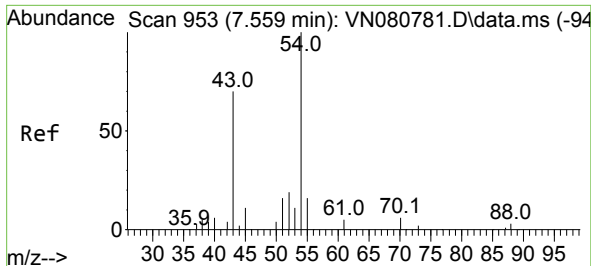
Tgt Ion:113 Resp: 58881
Ion Ratio Lower Upper
113 100
111 100.4 82.2 123.4
192 15.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 75 Resp: 11126
Ion Ratio Lower Upper
75 100
110 6.2 16.0 48.0#
77 0.0 25.8 38.6#

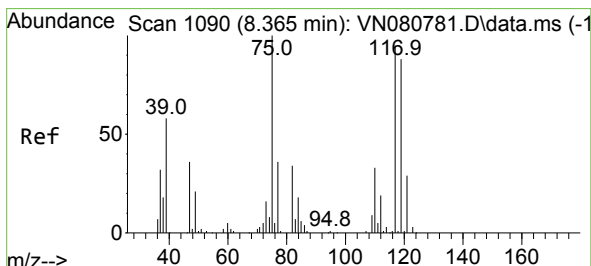
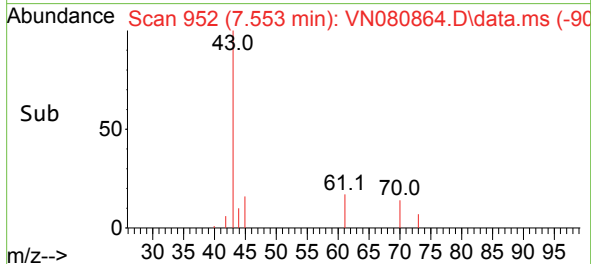
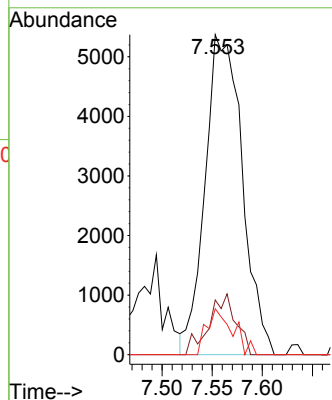
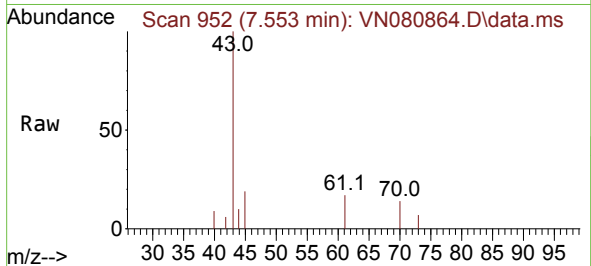




#37
Ethyl Acetate
Concen: 5.703 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

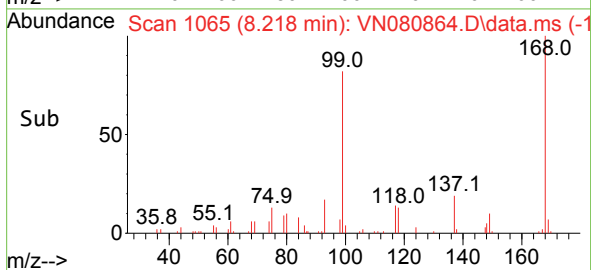
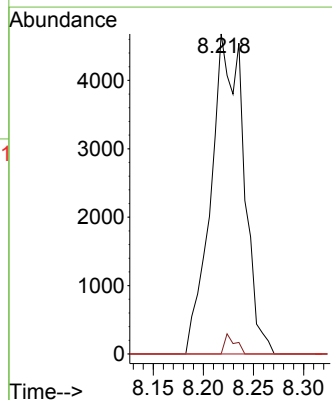
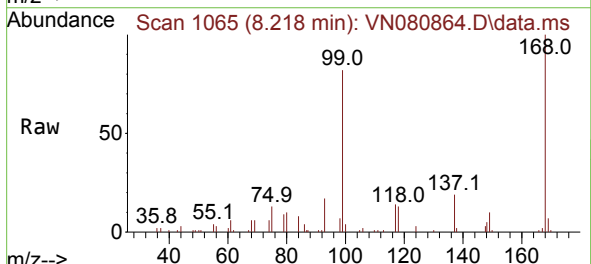
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

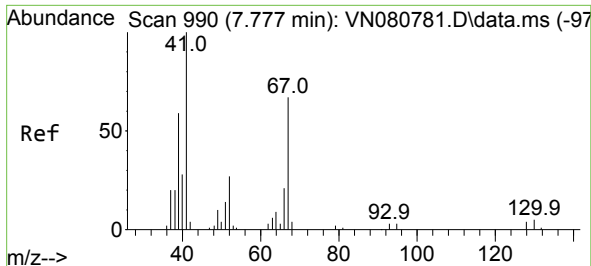
Tgt Ion:	43	Resp:	13805
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	15.8
70	10.1	8.0	12.0



#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion:	117	Resp:	10604
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	24.4	36.6#

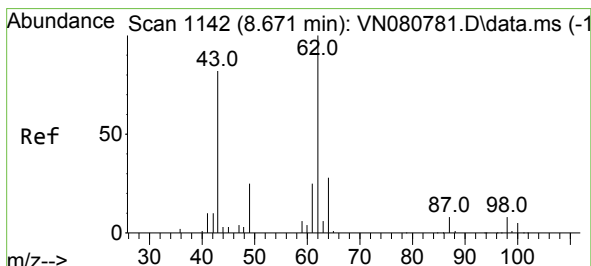
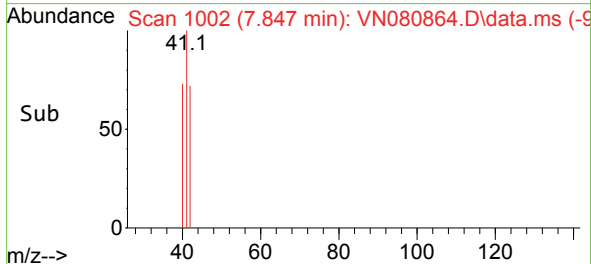
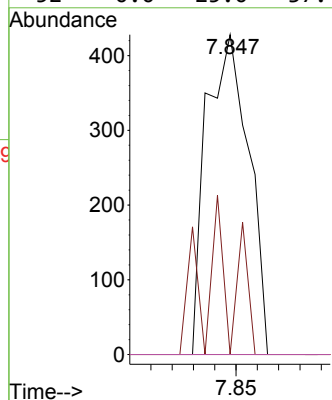
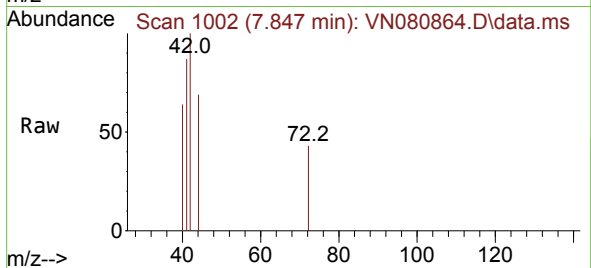




#41
Methacrylonitrile
Concen: 0.413 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

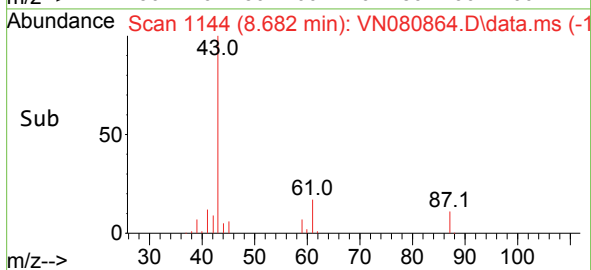
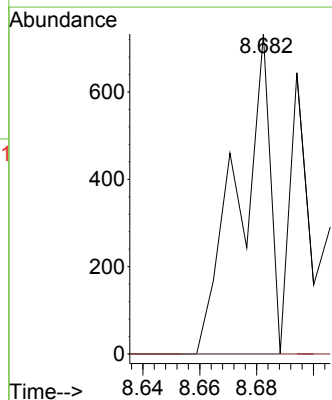
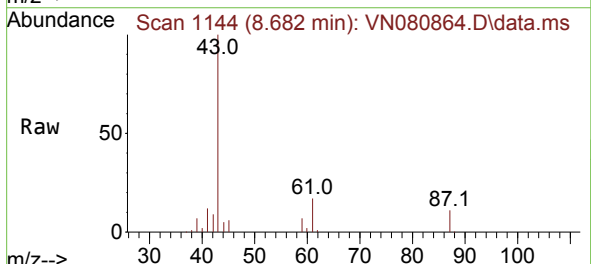
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

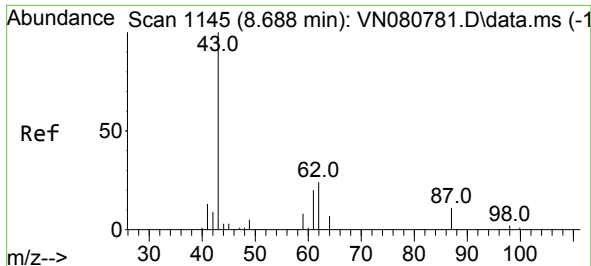
Tgt Ion: 41	Resp:	589
Ion	Ratio	Lower Upper
41	100	
39	23.4	48.4 72.6#
67	0.0	56.8 85.2#
52	0.0	25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 62	Resp:	566
Ion	Ratio	Lower Upper
62	100	
98	0.0	0.0 18.0

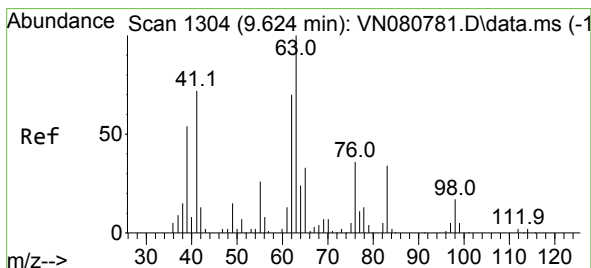
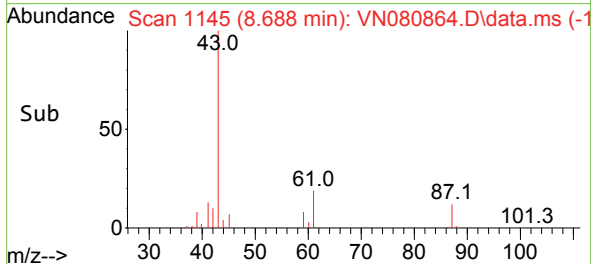
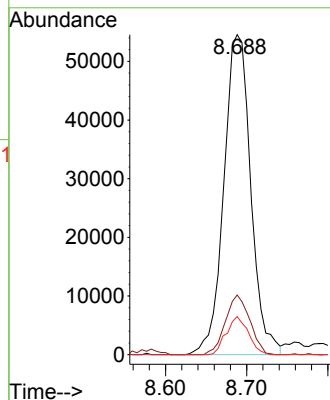
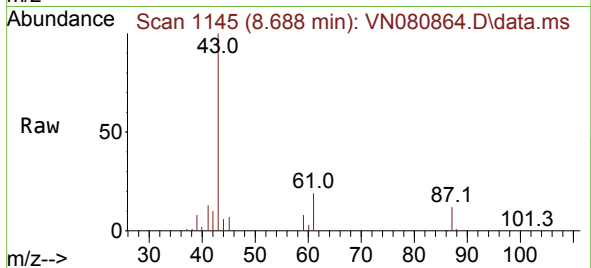




#43
Isopropyl Acetate
Concen: 28.593 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

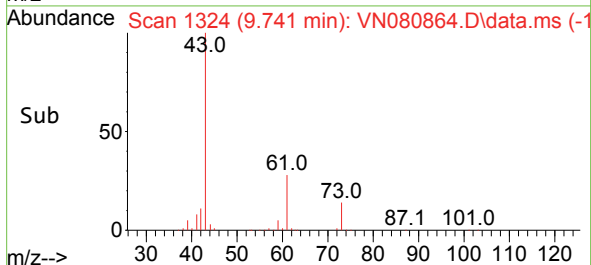
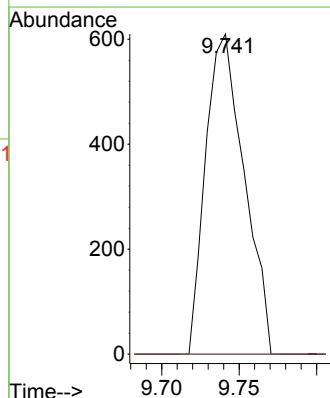
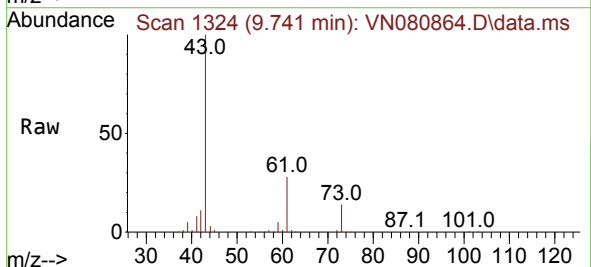
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

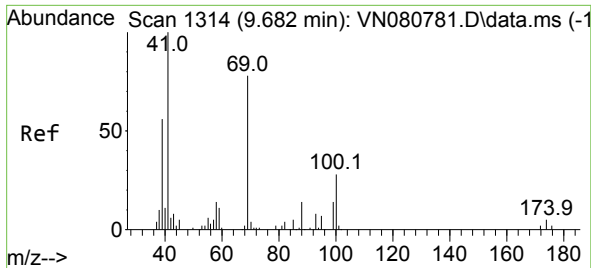
Tgt Ion: 43 Resp: 126014
Ion Ratio Lower Upper
43 100
61 16.9 19.9 29.9#
87 9.7 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.566 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 63 Resp: 1058
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

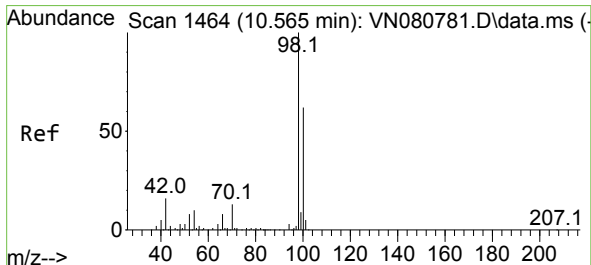
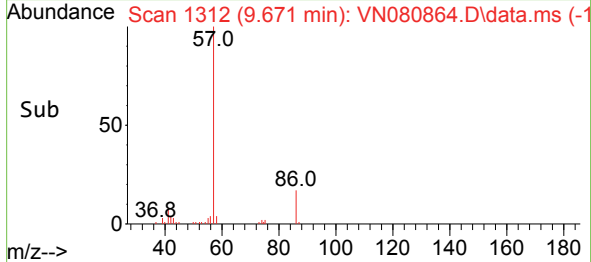
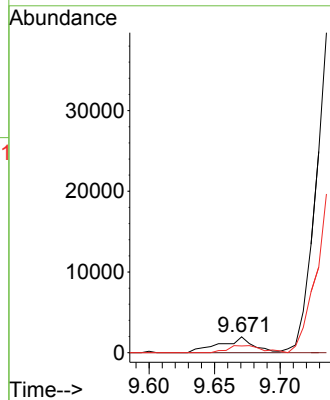
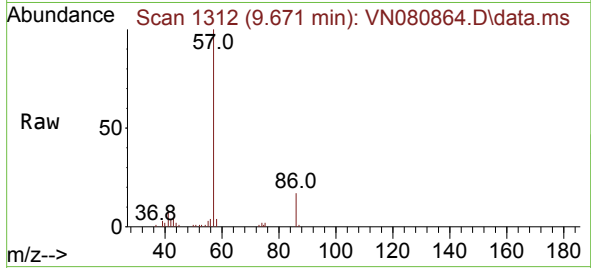




#48
Methyl methacrylate
Concen: 1.616 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

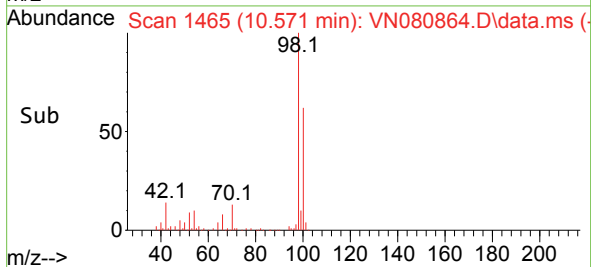
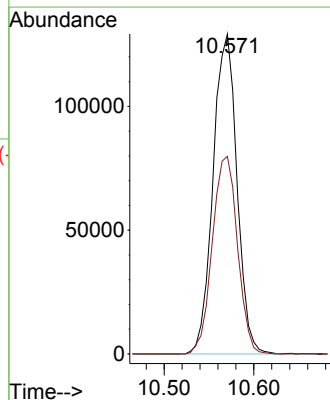
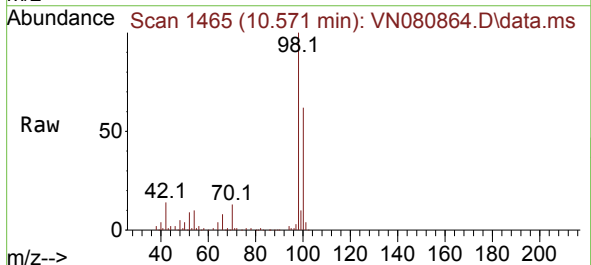
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

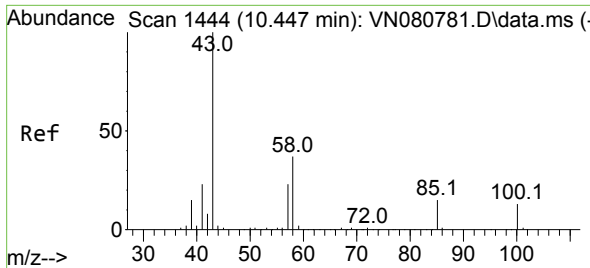
Tgt Ion: 41 Resp: 3453
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 46.4 47.6 71.4#



#50
Toluene-d8
Concen: 48.247 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 98 Resp: 238900
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

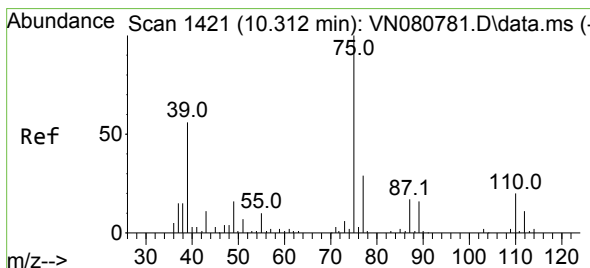
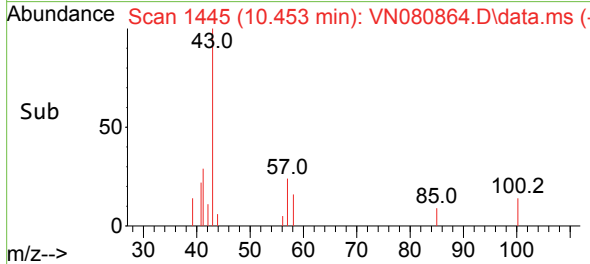
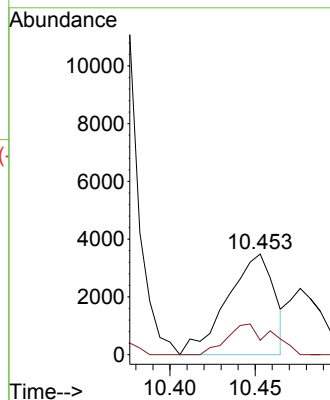
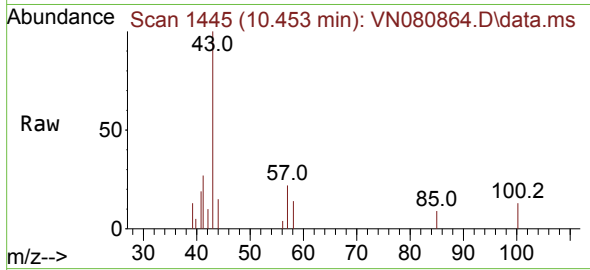




#51
4-Methyl-2-Pentanone
Concen: 2.720 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

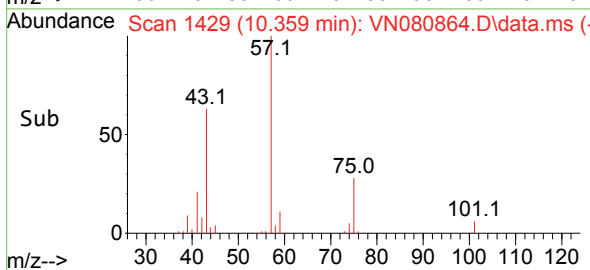
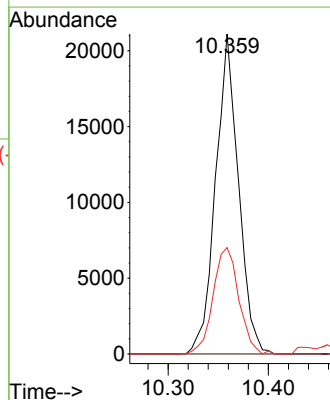
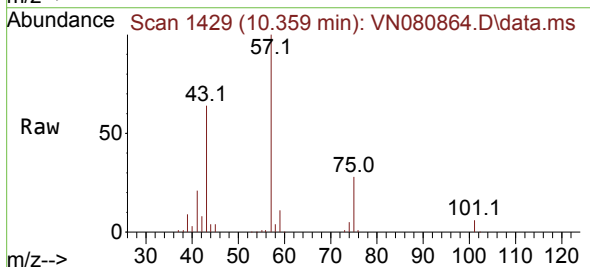
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

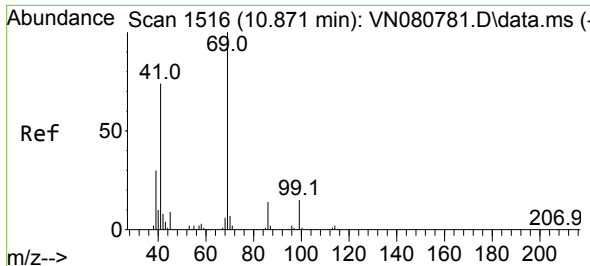
Tgt Ion: 43 Resp: 6700
Ion Ratio Lower Upper
43 100
58 29.0 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 11.693 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 75 Resp: 33344
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 33.3 44.6 66.8#

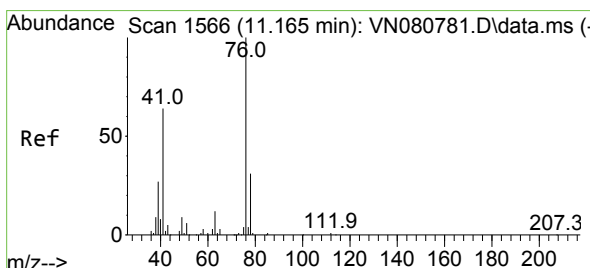
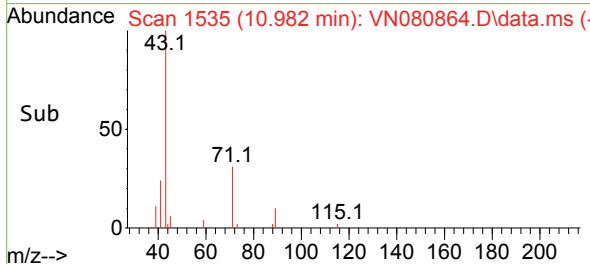
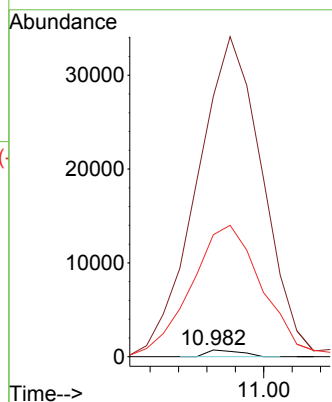
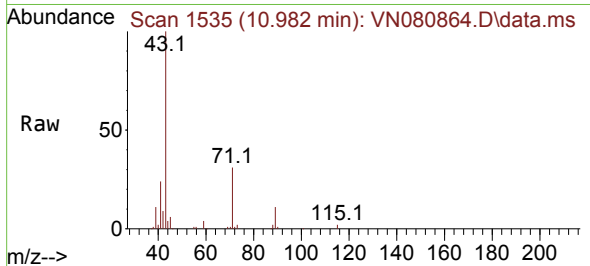




#56
Ethyl methacrylate
Concen: 0.251 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

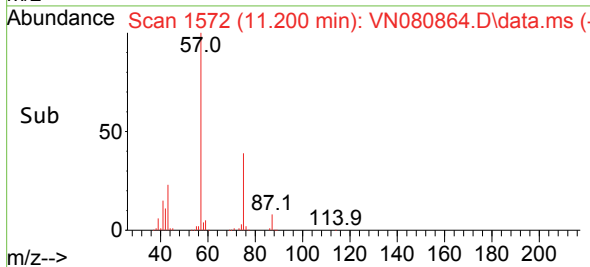
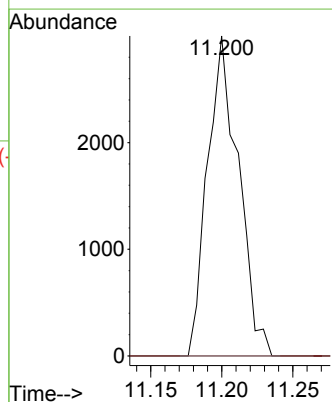
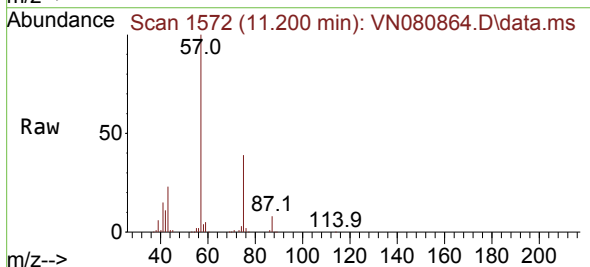
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

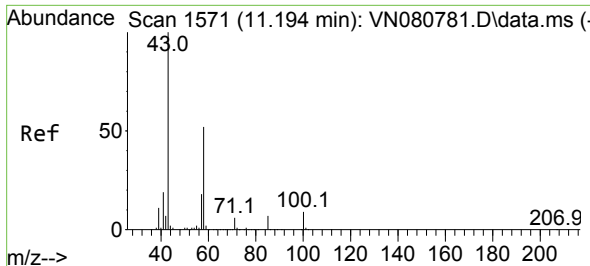
Tgt Ion: 69 Resp: 587
Ion Ratio Lower Upper
69 100
41 9467.3 61.0 91.6#
39 4222.7 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.591 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 76 Resp: 4561
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

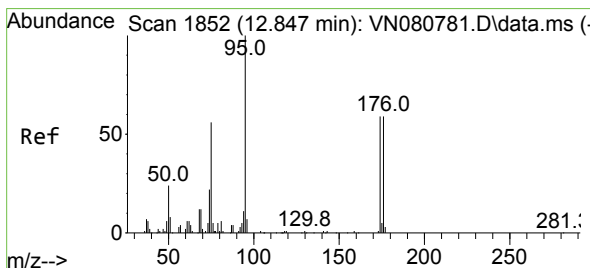
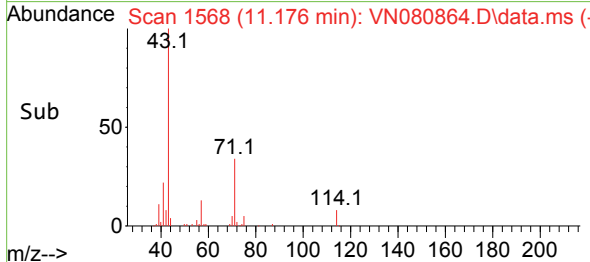
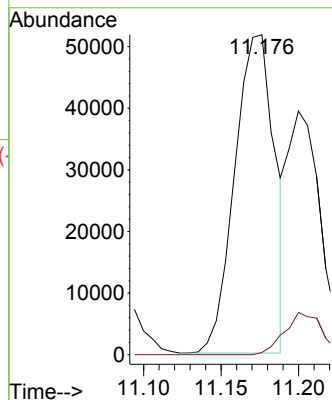
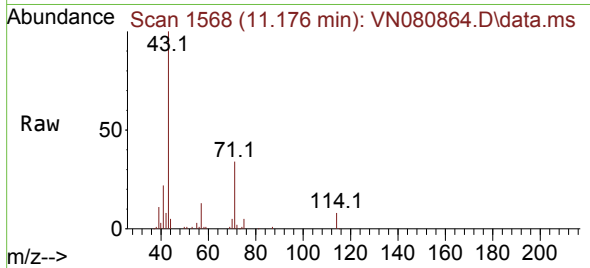




#59
2-Hexanone
Concen: 48.433 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

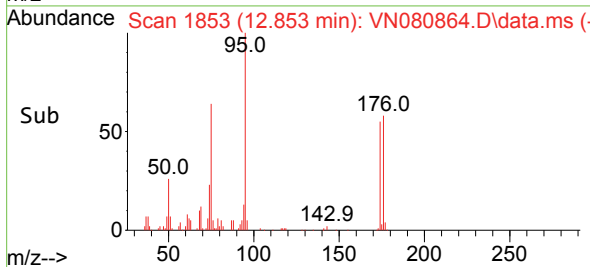
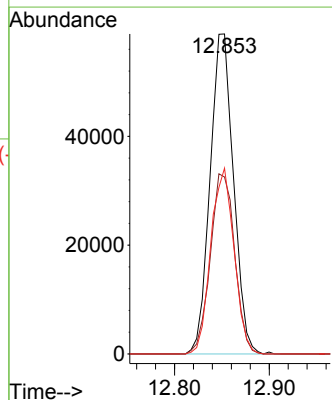
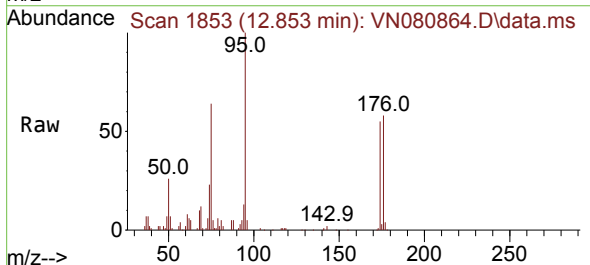
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

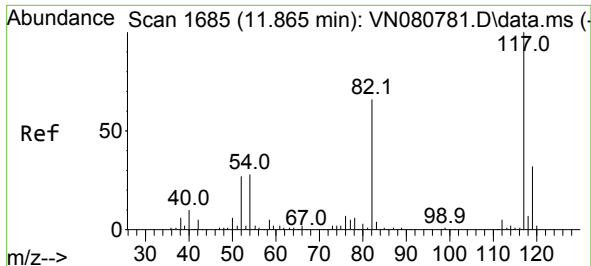
Tgt Ion: 43 Resp: 92687
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 58.636 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion: 95 Resp: 101177
Ion Ratio Lower Upper
95 100
174 58.5 0.0 120.4
176 57.5 0.0 121.0

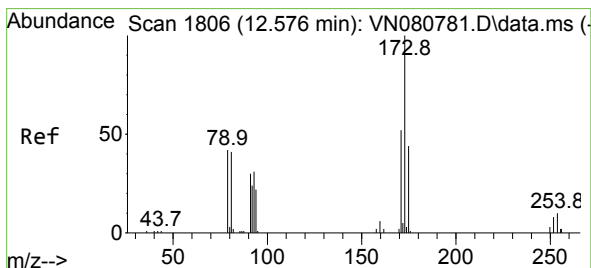
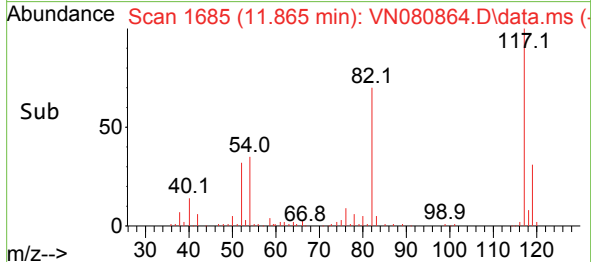
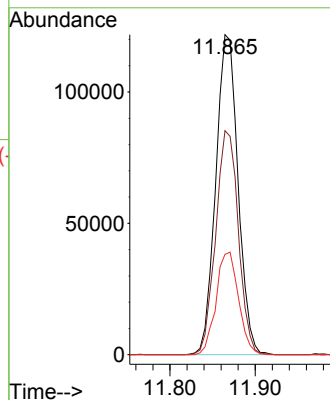
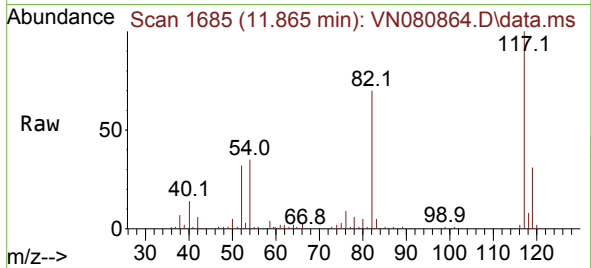




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

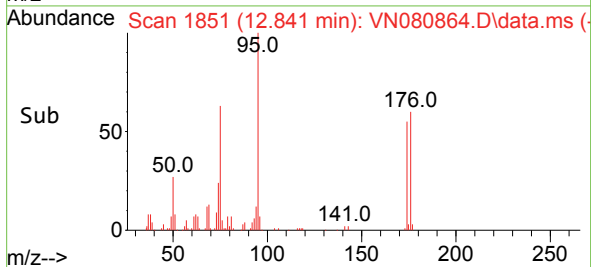
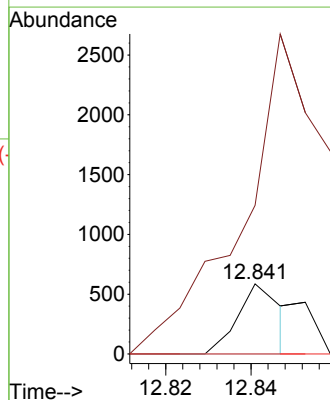
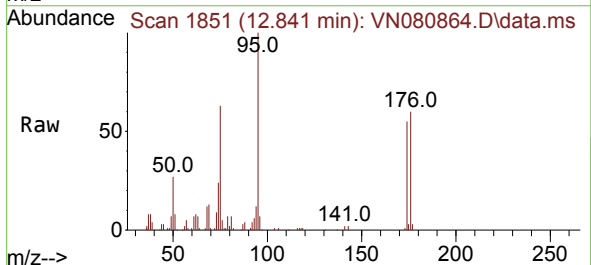
Instrument :
MSVOA_N
ClientSampleId :
TR-614-VOC-02

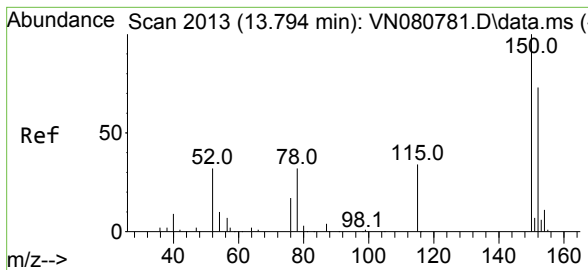
Tgt Ion:117 Resp: 221246
Ion Ratio Lower Upper
117 100
82 70.0 52.7 79.1
119 31.3 25.3 37.9



#71
Bromoform
Concen: 0.392 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN080864.D
Acq: 01 Feb 2024 12:50

Tgt Ion:173 Resp: 416
Ion Ratio Lower Upper
173 100
175 688.9 23.1 69.2#
254 0.0 0.0 0.0

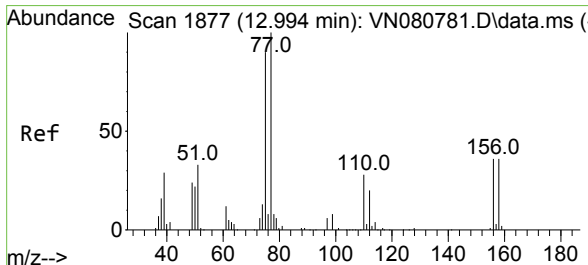
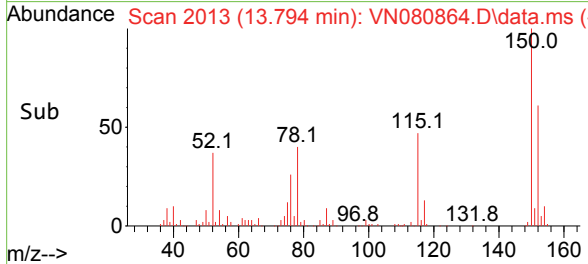
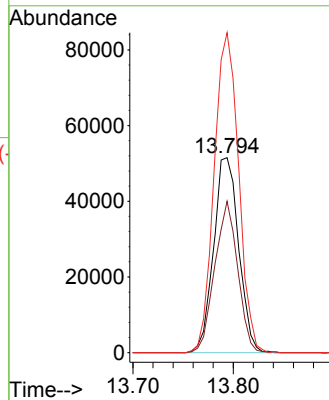
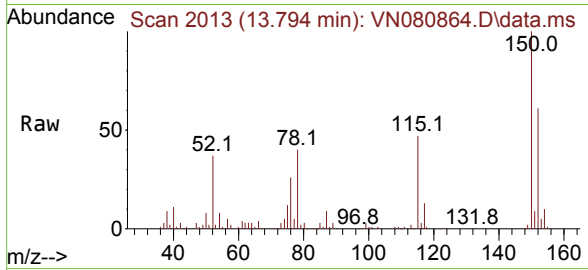




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080864.D
 Acq: 01 Feb 2024 12:50

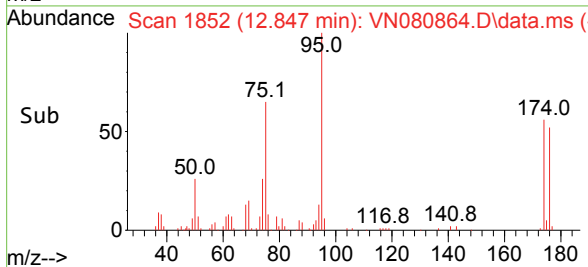
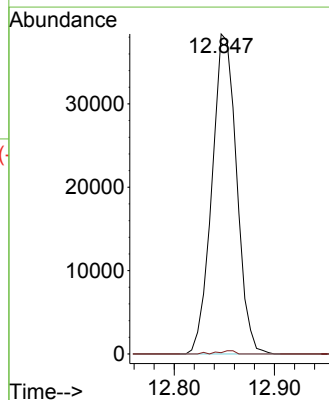
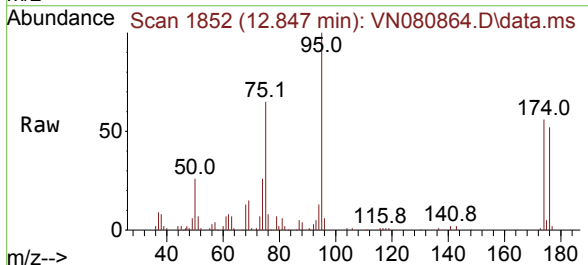
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-02

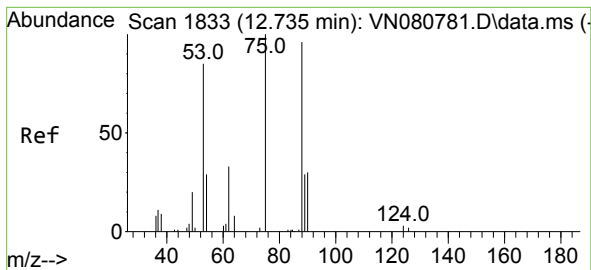
Tgt Ion:152 Resp: 89362
 Ion Ratio Lower Upper
 152 100
 115 71.2 32.3 96.8
 150 160.2 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.377 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080864.D
 Acq: 01 Feb 2024 12:50

Tgt Ion: 75 Resp: 65700
 Ion Ratio Lower Upper
 75 100
 77 0.7 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.800 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080864.D
 Acq: 01 Feb 2024 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-614-VOC-02

Tgt Ion: 75 Resp: 65700
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

