

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080678.D
 Acq On : 11 Jan 2024 16:03
 Operator : JC\MD
 Sample : P1102-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240110061-02-VOA

Quant Time: Jan 12 05:24:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

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

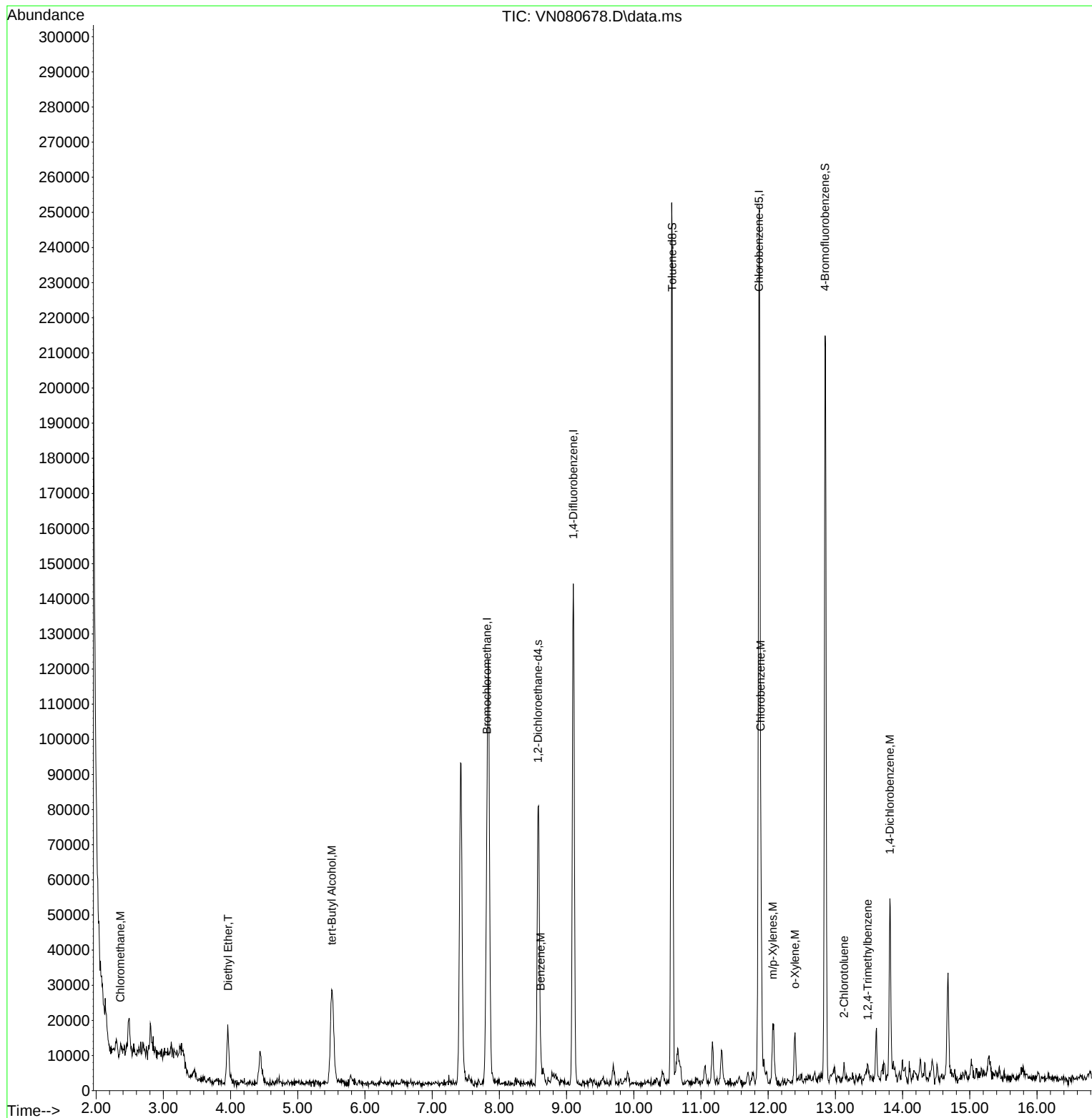
Internal Standards						
1) Bromochloromethane	7.818	128	12949	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	117961	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125857	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	62785	30.025	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.067%
60) 4-Bromofluorobenzene	12.847	95	78710	28.271	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.233%
63) Toluene-d8	10.570	98	165361	29.938	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2520	0.841	ug/l	92
8) Diethyl Ether	3.965	74	8884	5.603	ug/l	79
23) tert-Butyl Alcohol	5.506	59	52074	134.294	ug/l #	100
34) Benzene	8.612	78	7634	0.718	ug/l #	65
64) Chlorobenzene	11.888	112	24597	4.363	ug/l #	87
67) m/p-Xylenes	12.070	106	5512	1.440	ug/l	91
68) o-Xylene	12.400	106	3362	0.881	ug/l	88
75) 2-Chlorotoluene	13.129	91	1894	0.268	ug/l	90
80) 1,2,4-Trimethylbenzene	13.482	105	2397	0.316	ug/l	72
84) 1,4-Dichlorobenzene	13.811	146	18158	5.228	ug/l	96

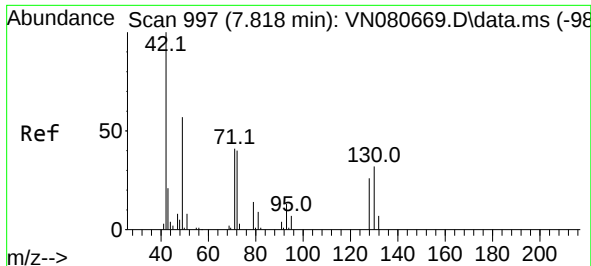
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
Data File : VN080678.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240110061-02-VOA

Quant Time: Jan 12 05:24:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 12 05:20:11 2024
Response via : Initial Calibration

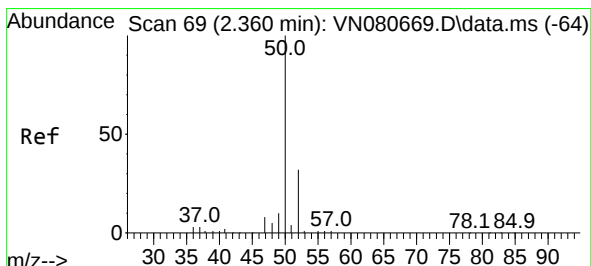
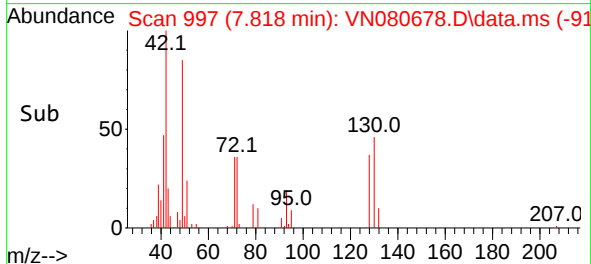
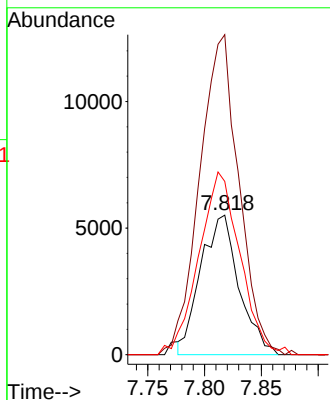
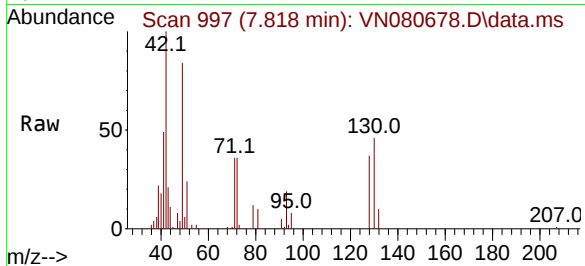




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

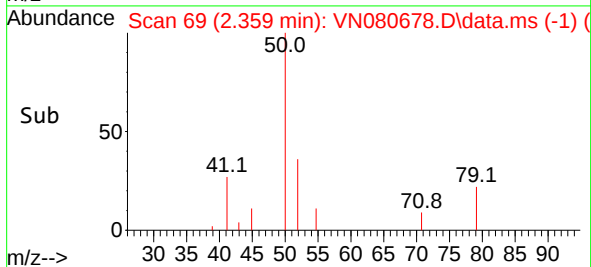
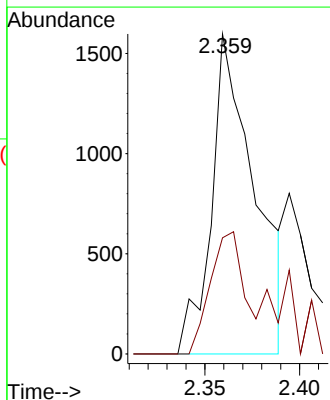
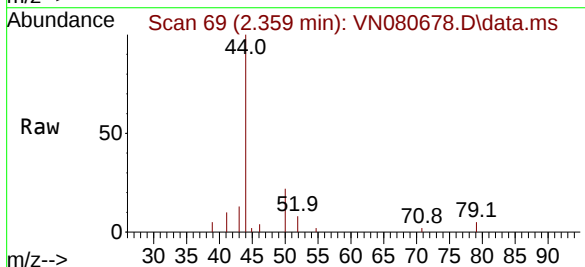
Instrument :
MSVOA_N
ClientSampleId :
240110061-02-VOA

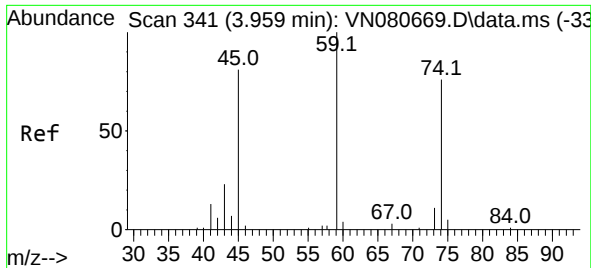
Tgt Ion:128 Resp: 12949
Ion Ratio Lower Upper
128 100
49 234.5 0.0 403.7
130 139.6 0.0 323.3



#3
Chloromethane
Concen: 0.841 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.001 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

Tgt Ion: 50 Resp: 2520
Ion Ratio Lower Upper
50 100
52 36.3 25.4 38.0





#8

Diethyl Ether

Concen: 5.603 ug/l

RT: 3.965 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN080678.D

Acq: 11 Jan 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

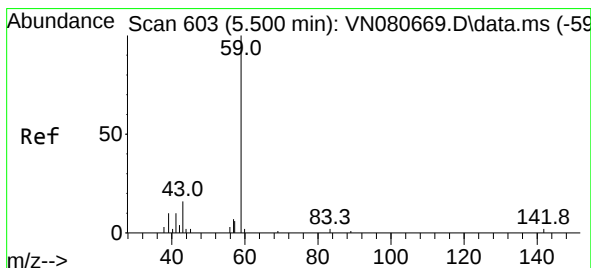
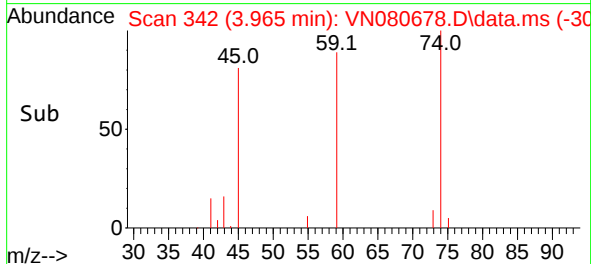
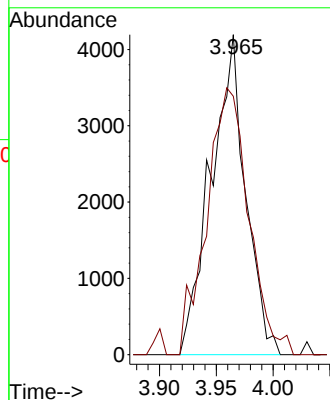
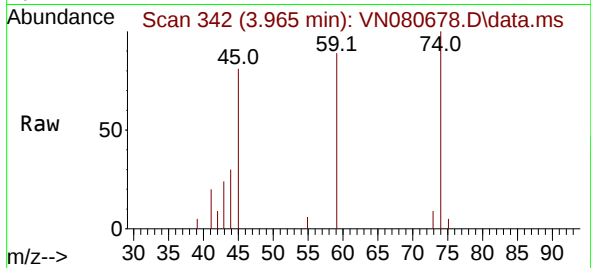
240110061-02-VOA

Tgt Ion: 74 Resp: 8884

Ion Ratio Lower Upper

74 100

45 100.2 16.4 147.4



#23

tert-Butyl Alcohol

Concen: 134.294 ug/l

RT: 5.506 min Scan# 604

Delta R.T. 0.006 min

Lab File: VN080678.D

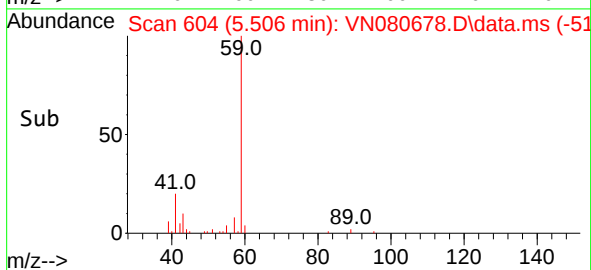
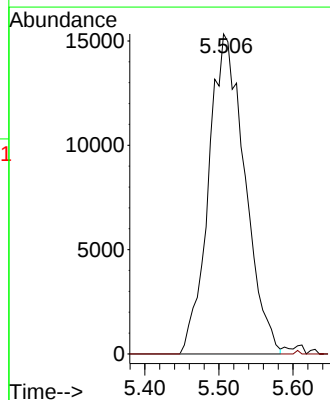
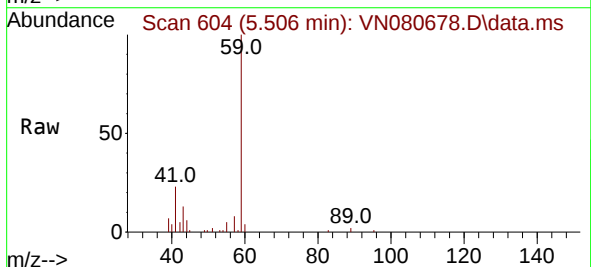
Acq: 11 Jan 2024 16:03

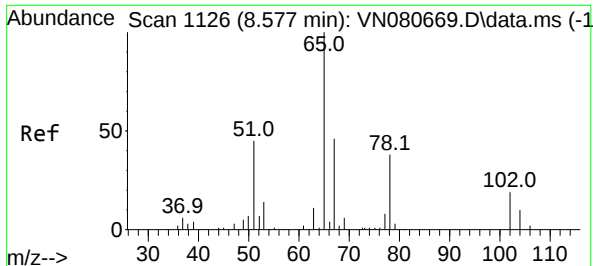
Tgt Ion: 59 Resp: 52074

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

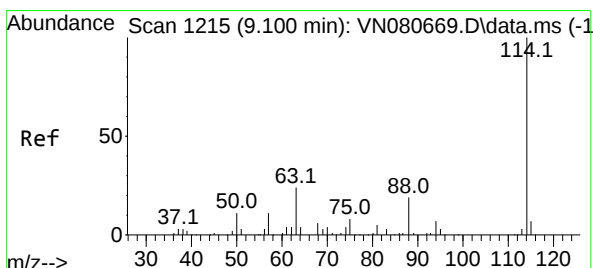
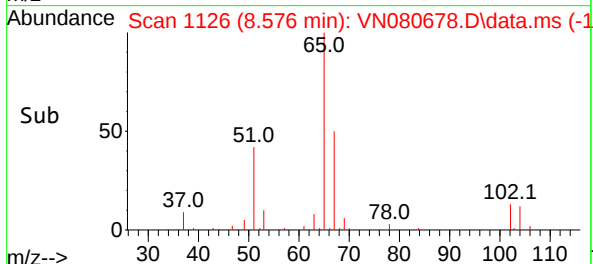
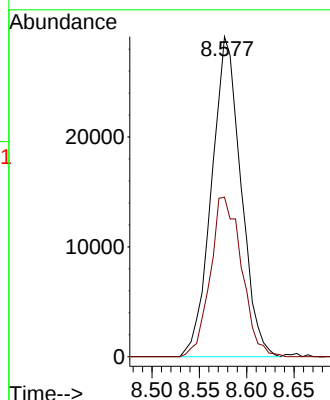
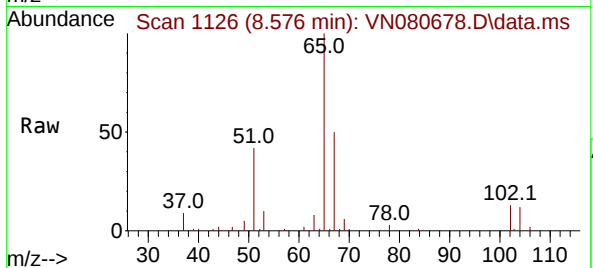




#27
 1,2-Dichloroethane-d4
 Concen: 30.025 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.001 min
 Lab File: VN080678.D
 Acq: 11 Jan 2024 16:03

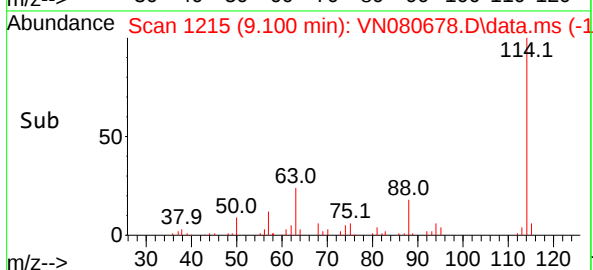
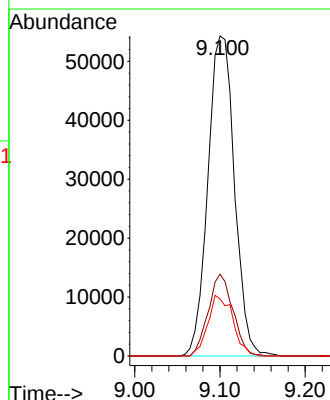
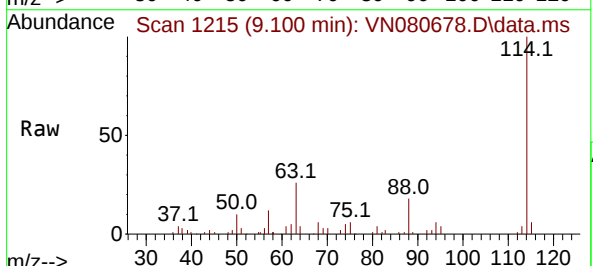
Instrument :
 MSVOA_N
 ClientSampleId :
 240110061-02-VOA

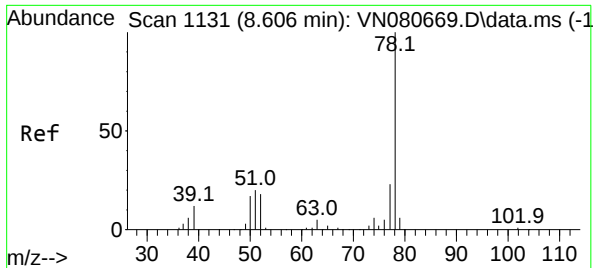
Tgt Ion: 65 Resp: 62785
 Ion Ratio Lower Upper
 65 100
 67 53.2 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080678.D
 Acq: 11 Jan 2024 16:03

Tgt Ion: 114 Resp: 117961
 Ion Ratio Lower Upper
 114 100
 63 23.6 15.9 23.9
 88 17.8 12.7 19.1





#34

Benzene

Concen: 0.718 ug/l

RT: 8.612 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN080678.D

Acq: 11 Jan 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

240110061-02-VOA

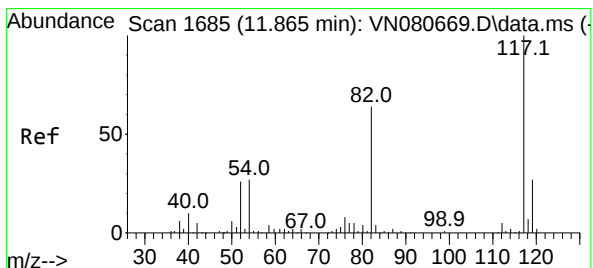
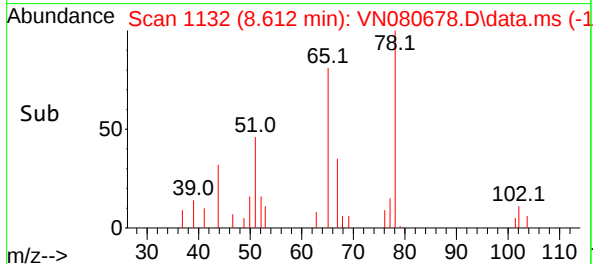
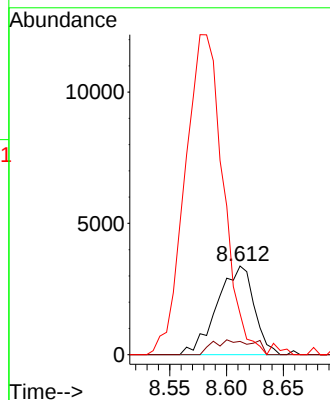
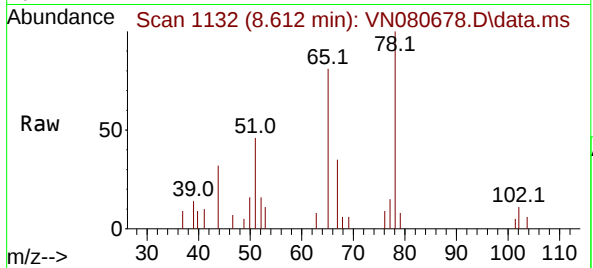
Tgt Ion: 78 Resp: 7634

Ion Ratio Lower Upper

78 100

77 15.0 19.2 28.8#

51 41.7 13.3 19.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN080678.D

Acq: 11 Jan 2024 16:03

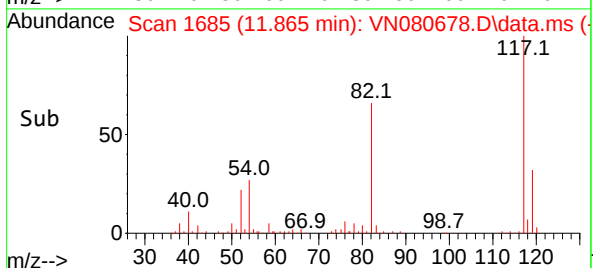
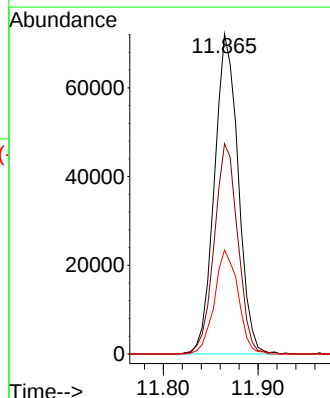
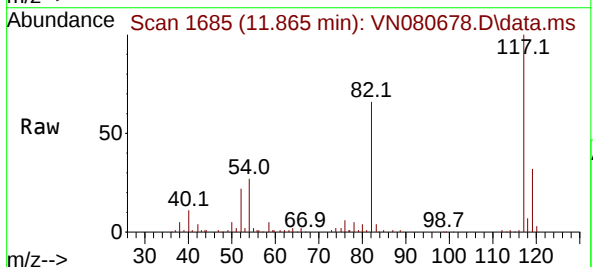
Tgt Ion: 117 Resp: 125857

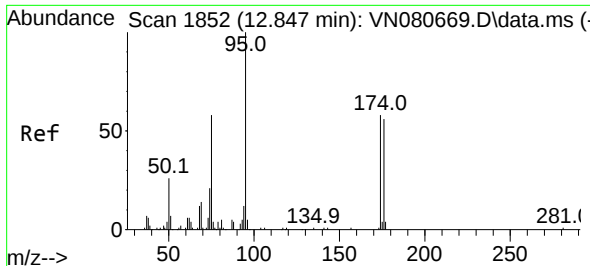
Ion Ratio Lower Upper

117 100

82 65.3 46.6 69.8

119 32.3 25.4 38.2

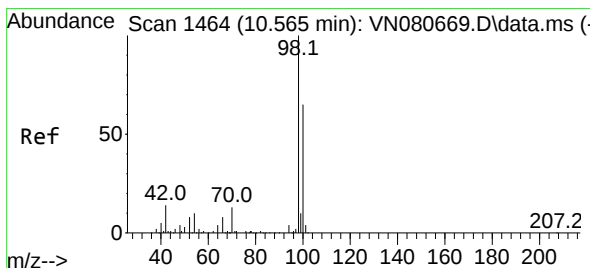
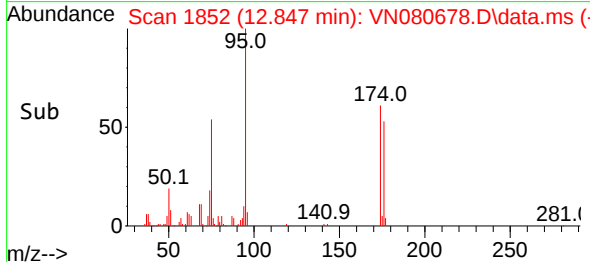
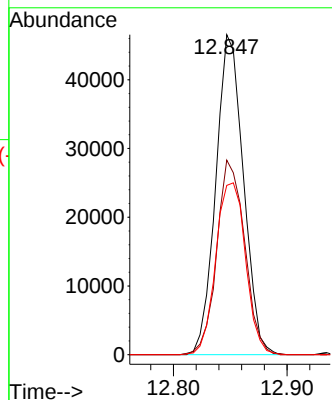
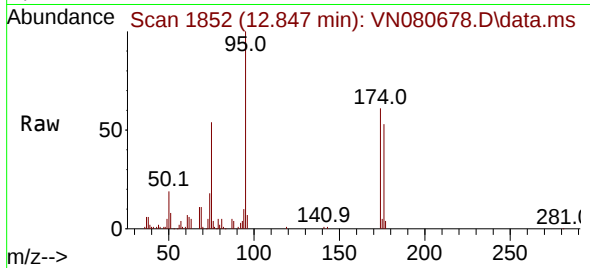




#60
4-Bromofluorobenzene
Concen: 28.271 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

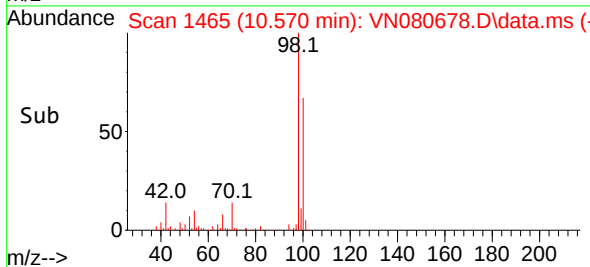
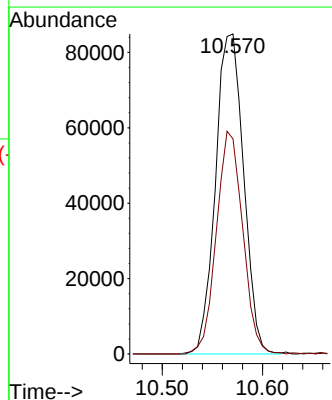
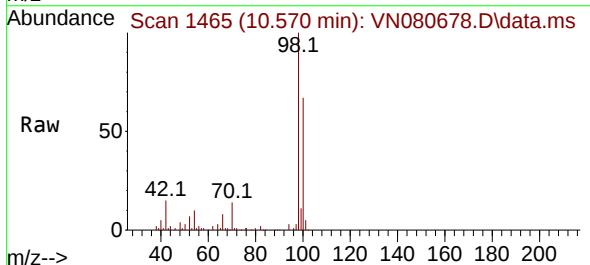
Instrument :
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ClientSampleId :
240110061-02-VOA

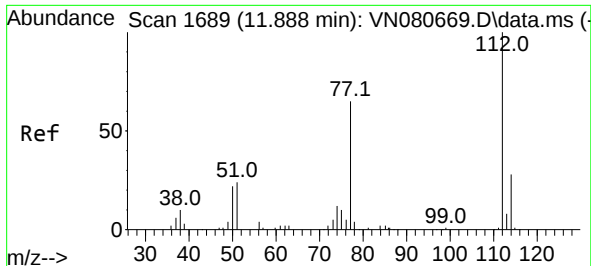
Tgt Ion: 95 Resp: 78710
Ion Ratio Lower Upper
95 100
174 61.5 60.5 90.7
176 57.8 57.8 86.6



#63
Toluene-d8
Concen: 29.938 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

Tgt Ion: 98 Resp: 165361
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1

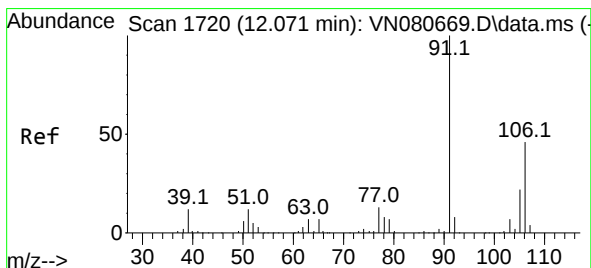
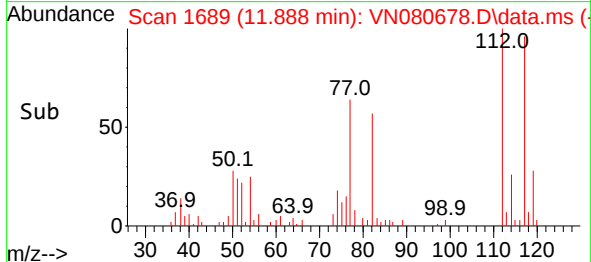
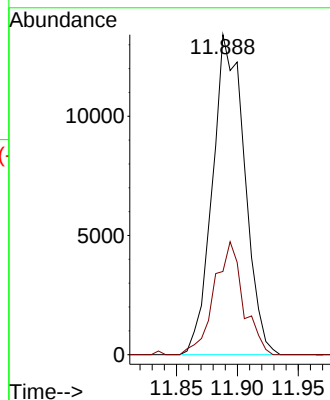
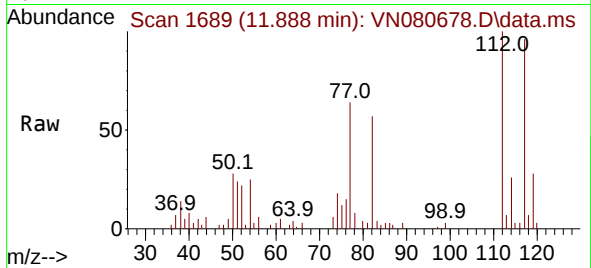




#64
Chlorobenzene
Concen: 4.363 ug/l
RT: 11.888 min Scan# 1120
Delta R.T. 0.000 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

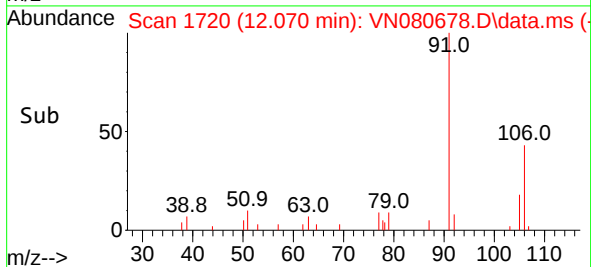
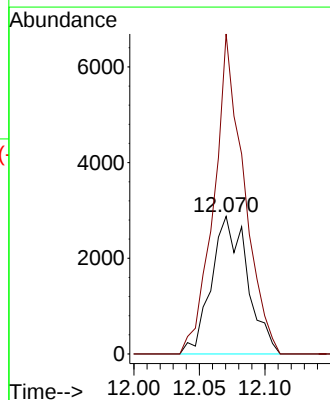
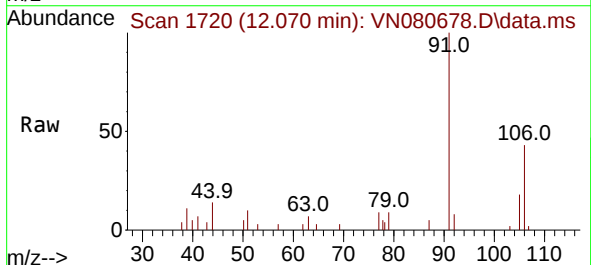
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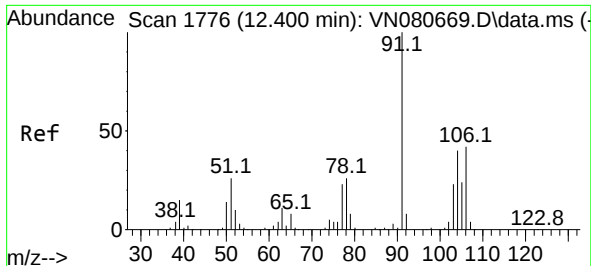
Tgt Ion:112 Resp: 24597
Ion Ratio Lower Upper
112 100
114 26.0 26.6 39.8#



#67
m/p-Xylenes
Concen: 1.440 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.001 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

Tgt Ion:106 Resp: 5512
Ion Ratio Lower Upper
106 100
91 193.8 166.6 249.8

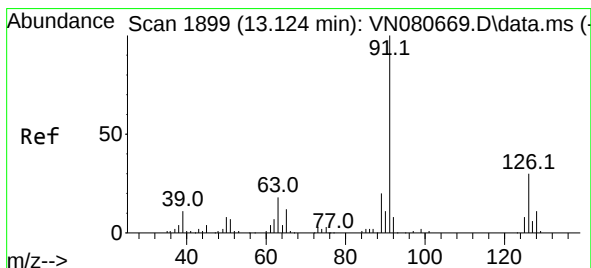
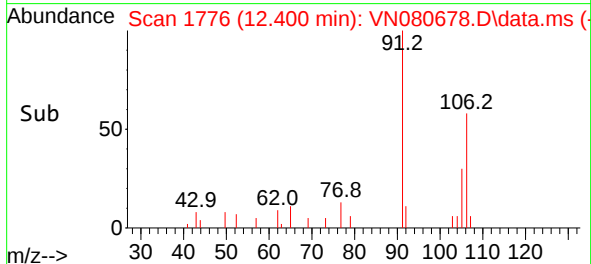
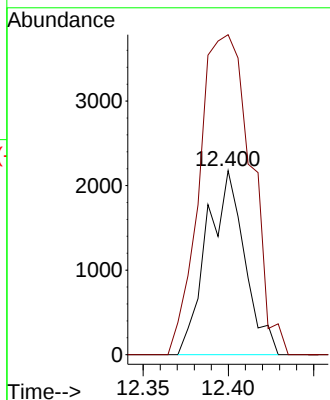
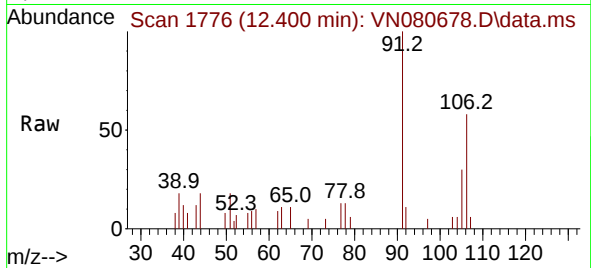




#68
o-Xylene
Concen: 0.881 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

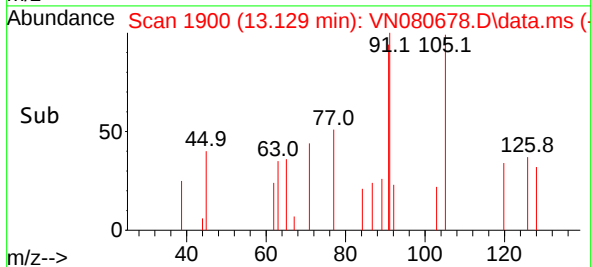
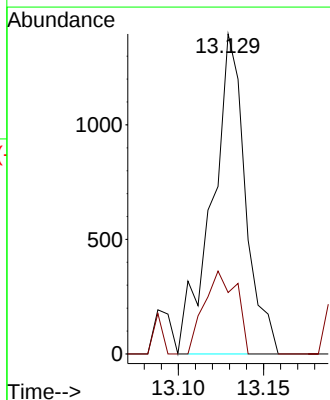
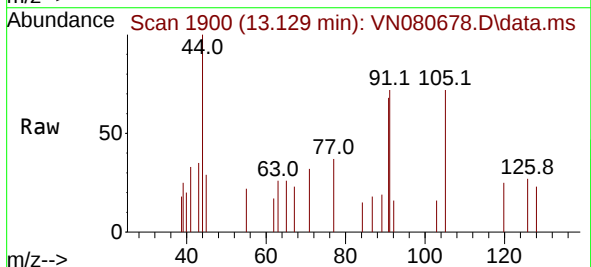
Instrument :
MSVOA_N
ClientSampleId :
240110061-02-VOA

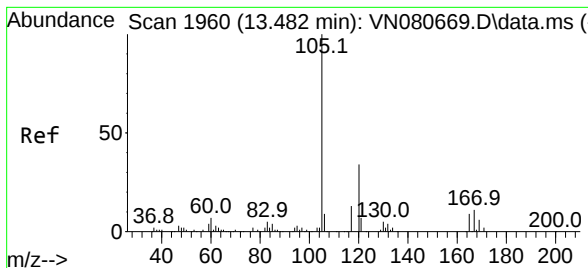
Tgt Ion:106 Resp: 3362
Ion Ratio Lower Upper
106 100
91 238.5 110.0 330.0



#75
2-Chlorotoluene
Concen: 0.268 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.005 min
Lab File: VN080678.D
Acq: 11 Jan 2024 16:03

Tgt Ion: 91 Resp: 1894
Ion Ratio Lower Upper
91 100
126 25.2 0.0 61.2





#80

1,2,4-Trimethylbenzene

Concen: 0.316 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080678.D

Acq: 11 Jan 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

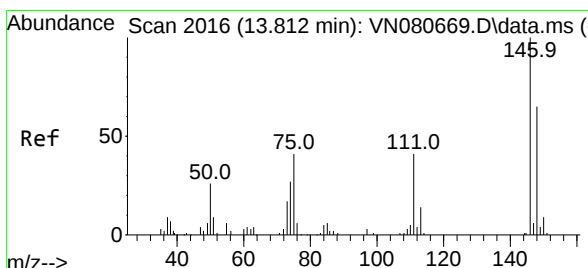
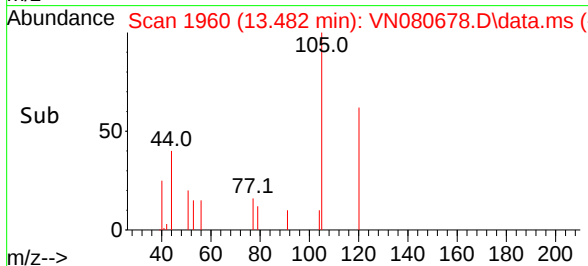
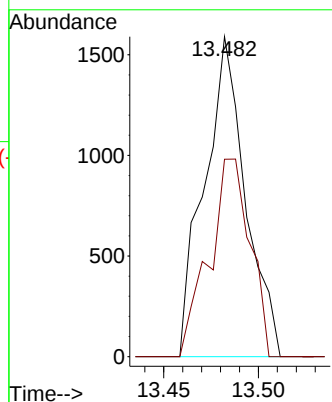
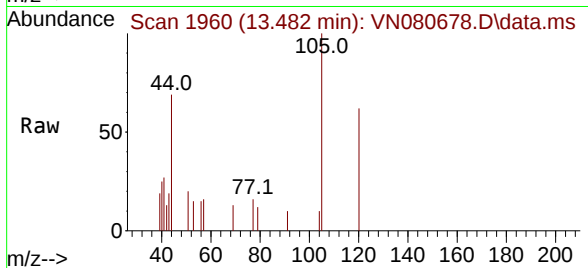
240110061-02-VOA

Tgt Ion:105 Resp: 2397

Ion Ratio Lower Upper

105 100

120 61.6 0.0 86.8



#84

1,4-Dichlorobenzene

Concen: 5.228 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. -0.001 min

Lab File: VN080678.D

Acq: 11 Jan 2024 16:03

Tgt Ion:146 Resp: 18158

Ion Ratio Lower Upper

146 100

111 43.8 21.3 63.9

148 59.9 31.9 95.5

