

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121621\
 Data File : VW024012.D
 Acq On : 16 Dec 2021 14:52
 Operator : SY/MD
 Sample : M5090-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3C7

Quant Time: Dec 17 02:01:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

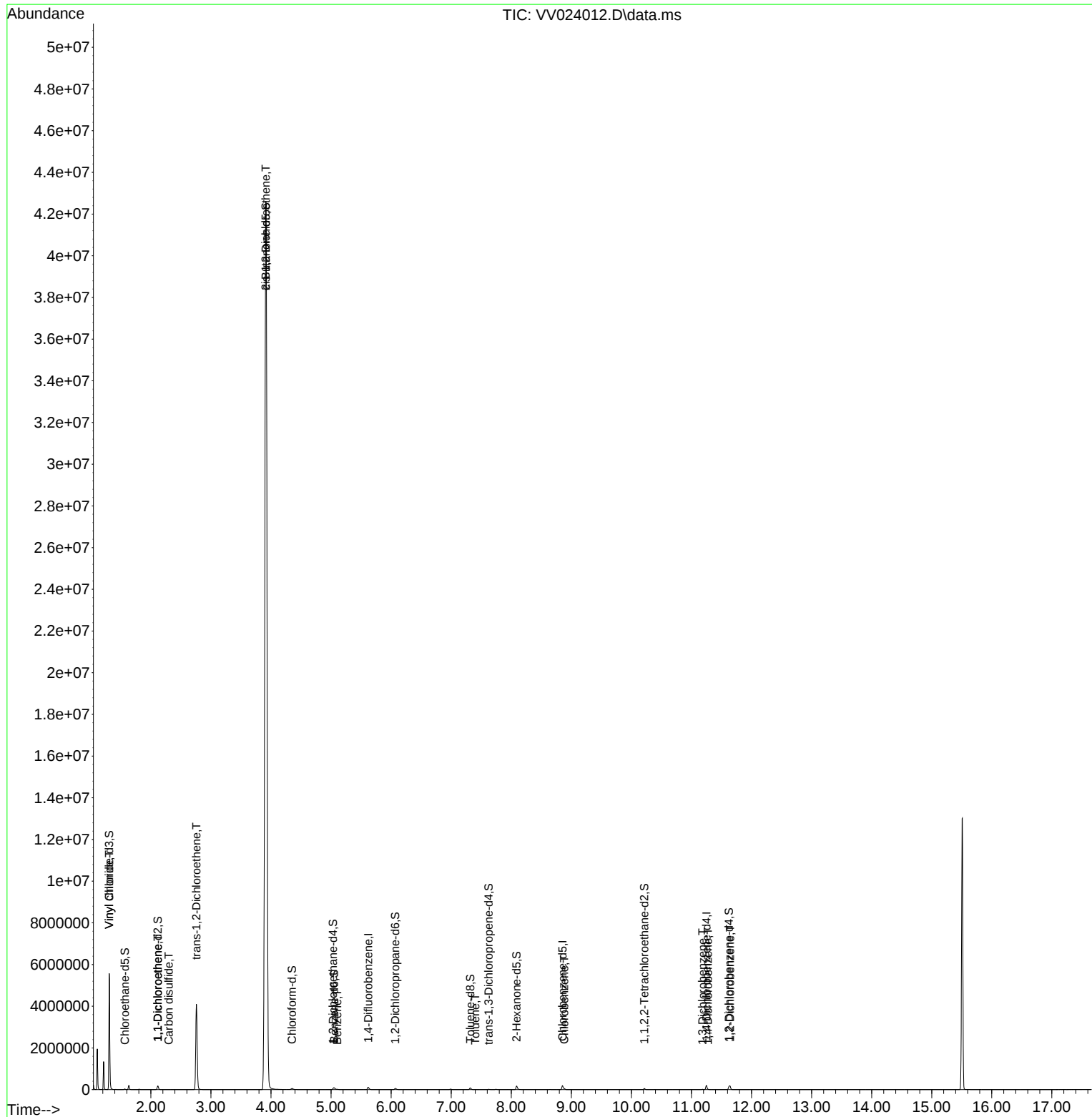
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	99907	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	104014	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54505	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36461	6.789	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.800%#
7) Chloroethane-d5	1.568	69	16207	3.617	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.400%
11) 1,1-Dichloroethene-d2	2.114	63	44309	4.226	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	3.912	46	97096	92.533	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	185.060%#
24) Chloroform-d	4.349	84	50489	4.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.034	65	26751	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.053	84	77518	3.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.200%
36) 1,2-Dichloropropane-d6	6.069	67	26826	4.316	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.317	98	59051	3.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.600%#
43) trans-1,3-Dichloroprop...	7.625	79	9587	3.718	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.088	63	58748	50.895	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24502	4.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	30919	4.247	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	2718607	337.356	ug/L	98
12) 1,1-Dichloroethene	2.118	96	44470	6.634	ug/L #	85
14) Carbon disulfide	2.298	76	1424	0.073	ug/L #	71
18) trans-1,2-Dichloroethene	2.757	96	1492184	201.101	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	23246951	2959.767	ug/L	83
33) Benzene	5.105	78	15320	0.521	ug/L	100
42) Toluene	7.400	91	3286	0.099	ug/L	98
51) Chlorobenzene	8.883	112	27764	1.254	ug/L	96
64) 1,3-Dichlorobenzene	11.185	146	5915	0.361	ug/L	92
65) 1,4-Dichlorobenzene	11.275	146	5010	0.305	ug/L	95
67) 1,2-Dichlorobenzene	11.645	146	60841	4.058	ug/L	99

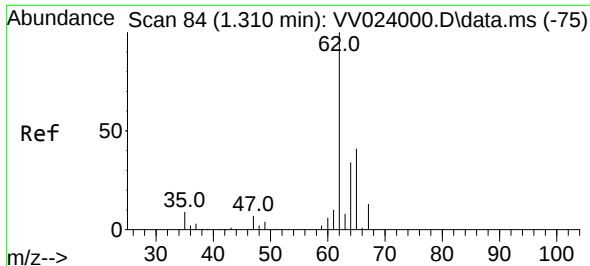
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121621\
Data File : VV024012.D
Acq On : 16 Dec 2021 14:52
Operator : SY/MD
Sample : M5090-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3C7

Quant Time: Dec 17 02:01:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 16 04:44:29 2021
Response via : Initial Calibration

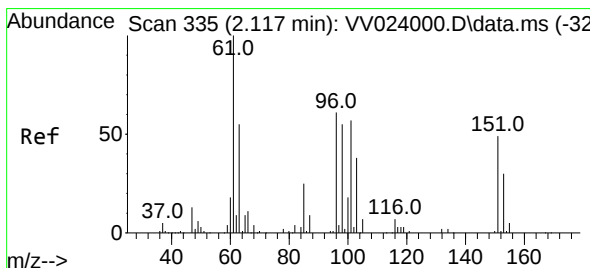
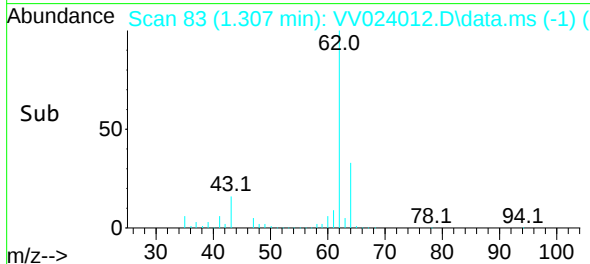
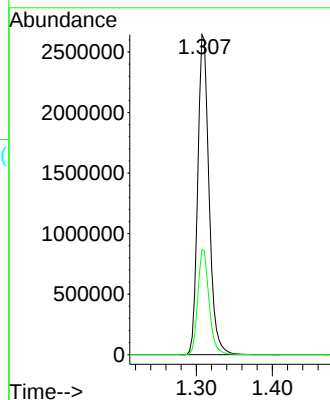
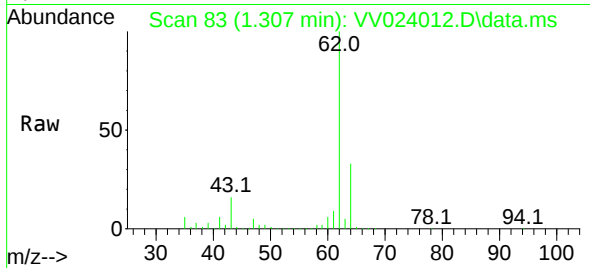




#5
 Vinyl chloride
 Concen: 337.356 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV024012.D
 Acq: 16 Dec 2021 14:52

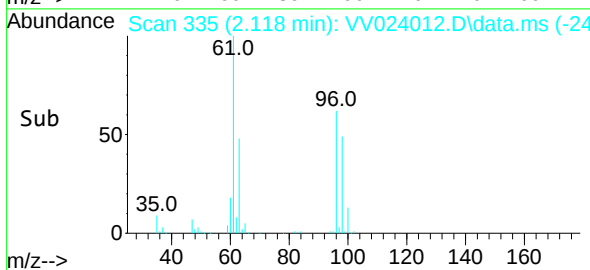
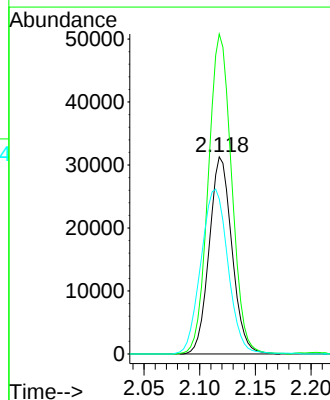
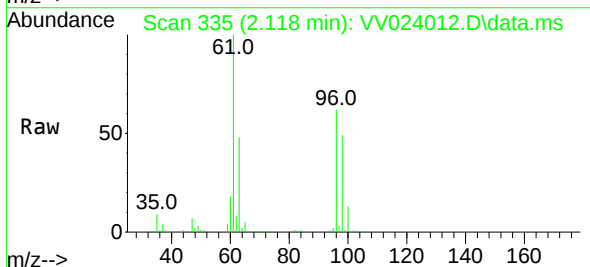
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3C7

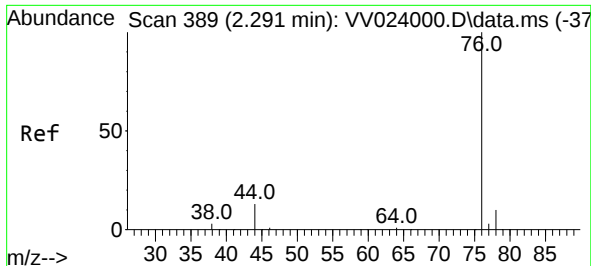
Tgt Ion: 62 Resp: 2718607
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6



#12
 1,1-Dichloroethene
 Concen: 6.634 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV024012.D
 Acq: 16 Dec 2021 14:52

Tgt Ion: 96 Resp: 44470
 Ion Ratio Lower Upper
 96 100
 61 162.3 116.1 215.5
 63 78.7 79.4 147.4#

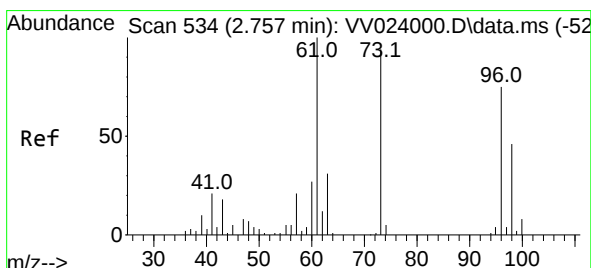
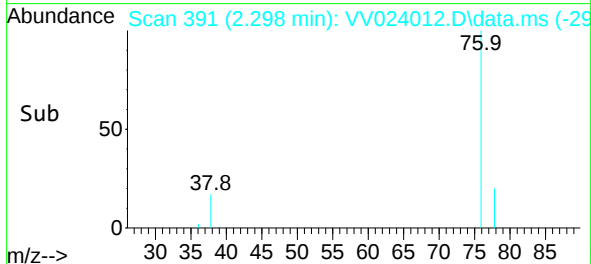
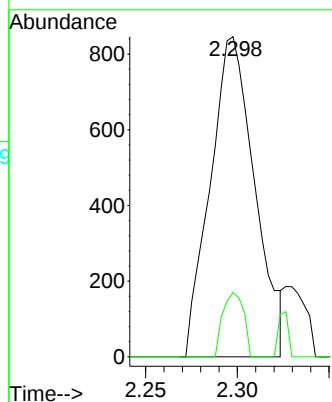
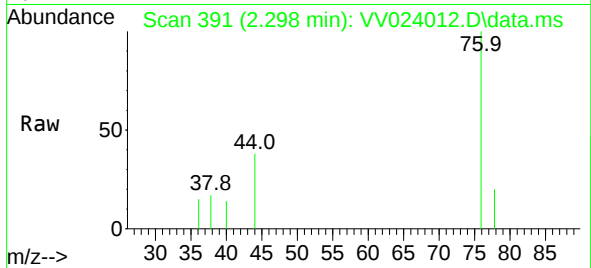




#14
Carbon disulfide
Concen: 0.073 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV024012.D
Acq: 16 Dec 2021 14:52

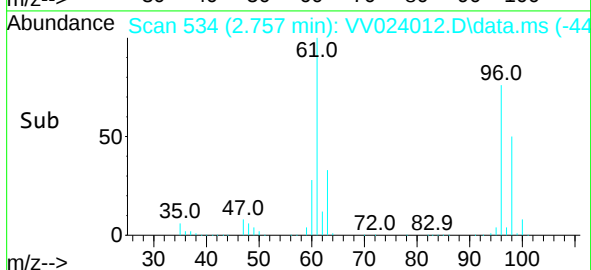
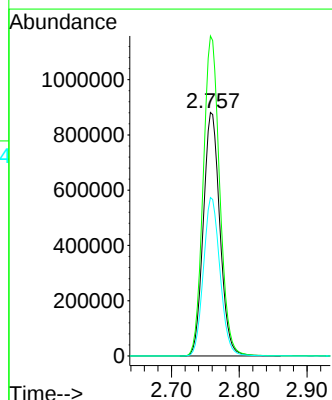
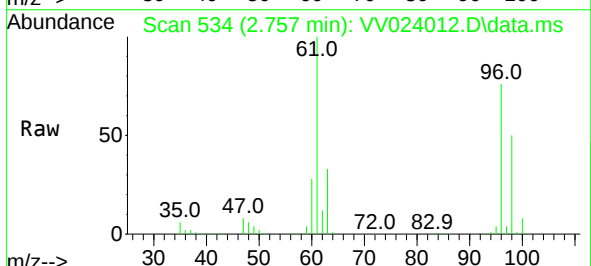
Instrument :
MSVOA_V
ClientSampleId :
BG3C7

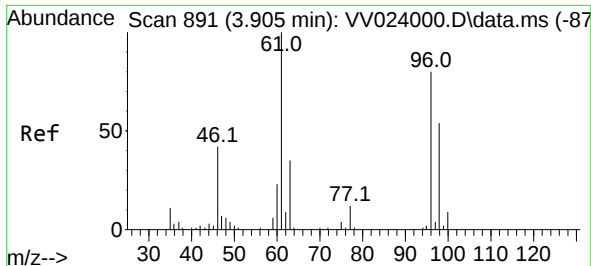
Tgt Ion: 76 Resp: 1424
Ion Ratio Lower Upper
76 100
78 20.1 7.5 11.3#



#18
trans-1,2-Dichloroethene
Concen: 201.101 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV024012.D
Acq: 16 Dec 2021 14:52

Tgt Ion: 96 Resp: 1492184
Ion Ratio Lower Upper
96 100
61 131.4 88.2 163.8
98 65.1 44.9 83.5



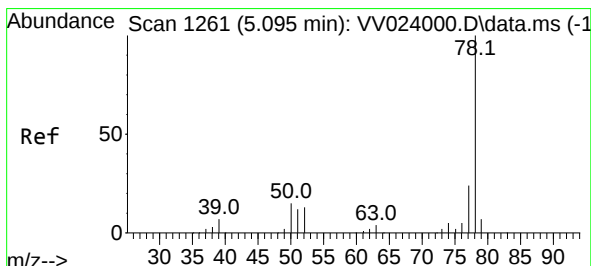
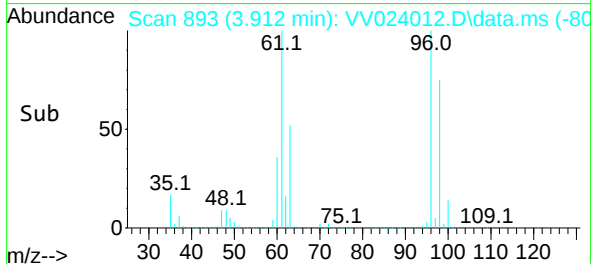
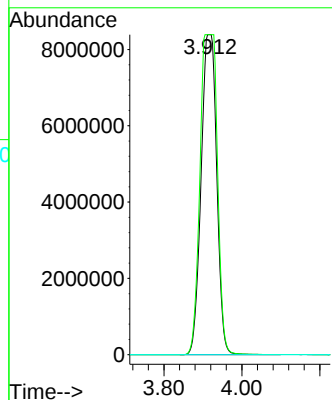
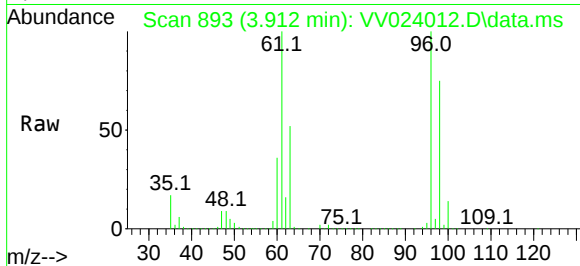


#22
 cis-1,2-Dichloroethene
 Concen: 2959.767 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.000 min
 Lab File: VV024012.D
 Acq: 16 Dec 2021 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3C7

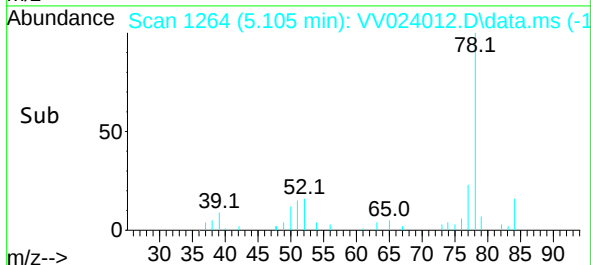
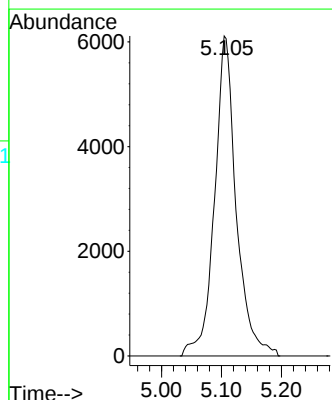
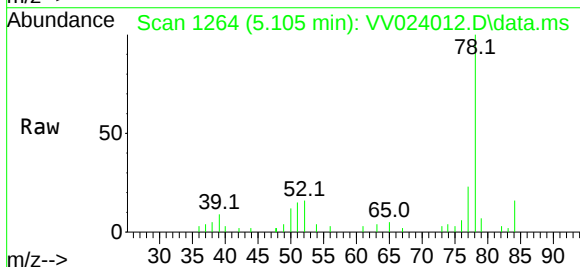
Tgt Ion: 96 Resp:23246951

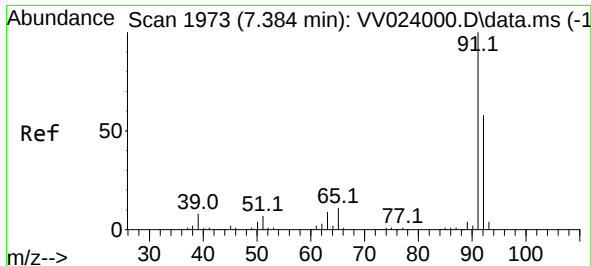
Ion	Ratio	Lower	Upper
96	100		
61	100.0	83.4	154.8
68	0.0	0.0	0.0



#33
 Benzene
 Concen: 0.521 ug/L
 RT: 5.105 min Scan# 1264
 Delta R.T. 0.007 min
 Lab File: VV024012.D
 Acq: 16 Dec 2021 14:52

Tgt Ion: 78 Resp: 15320





#42

Toluene

Concen: 0.099 ug/L

RT: 7.400 min Scan# 1973

Delta R.T. 0.016 min

Lab File: VV024012.D

Acq: 16 Dec 2021 14:52

Instrument :

MSVOA_V

ClientSampleId :

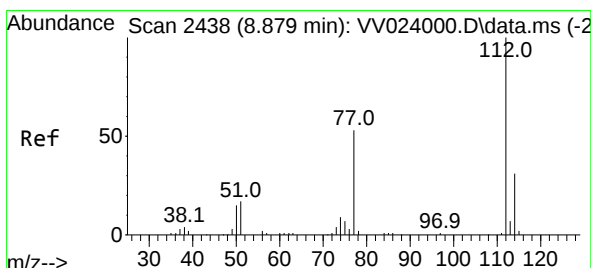
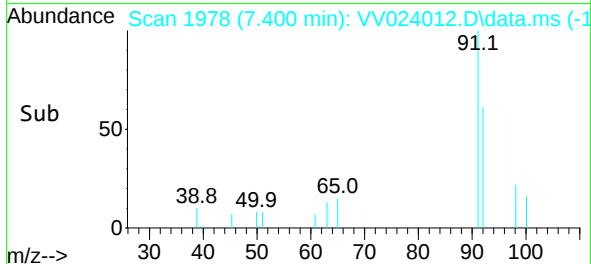
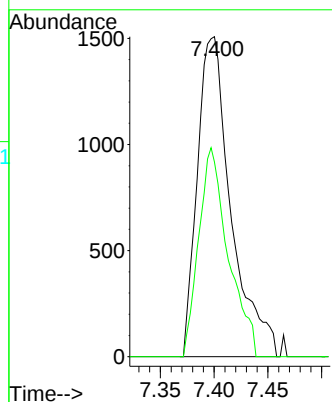
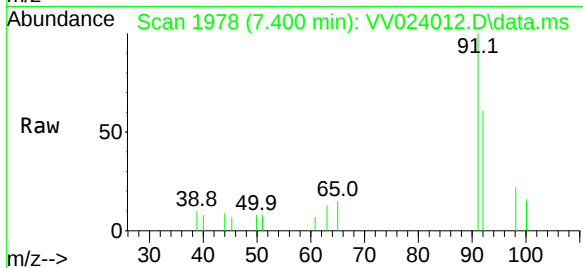
BG3C7

Tgt Ion: 91 Resp: 3286

Ion Ratio Lower Upper

91 100

92 60.9 41.5 77.1



#51

Chlorobenzene

Concen: 1.254 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV024012.D

Acq: 16 Dec 2021 14:52

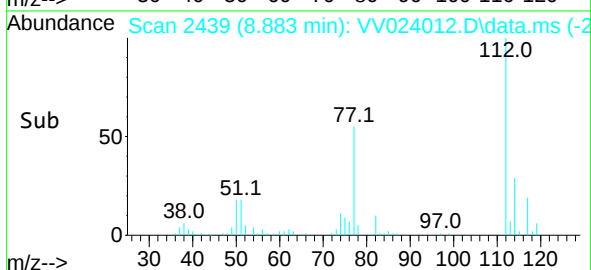
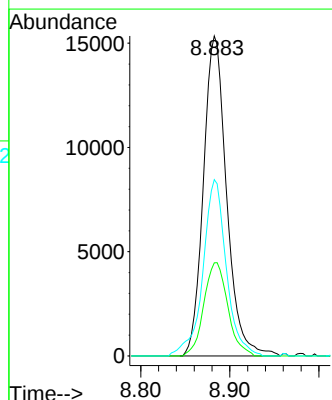
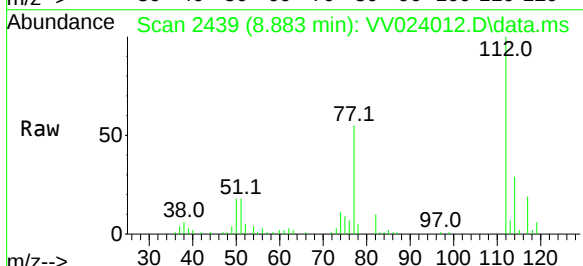
Tgt Ion: 112 Resp: 27764

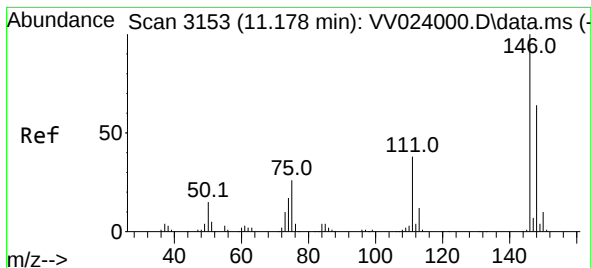
Ion Ratio Lower Upper

112 100

114 29.1 23.3 43.3

77 55.1 43.3 64.9





#64

1,3-Dichlorobenzene

Concen: 0.361 ug/L

RT: 11.185 min Scan# 3153

Delta R.T. 0.006 min

Lab File: VV024012.D

Acq: 16 Dec 2021 14:52

Instrument :

MSVOA_V

ClientSampleId :

BG3C7

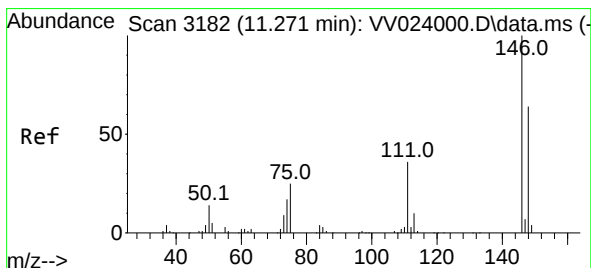
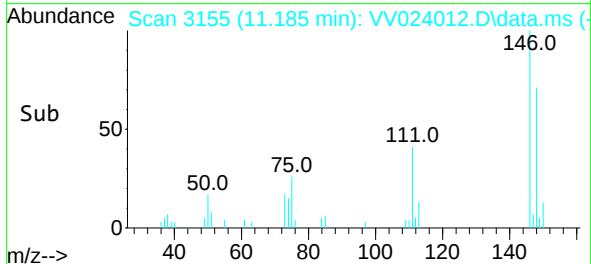
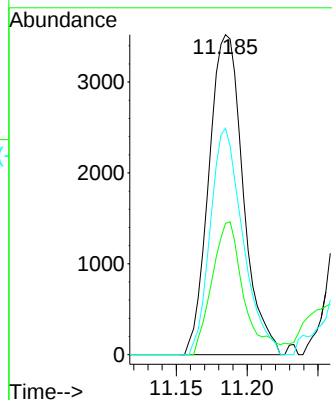
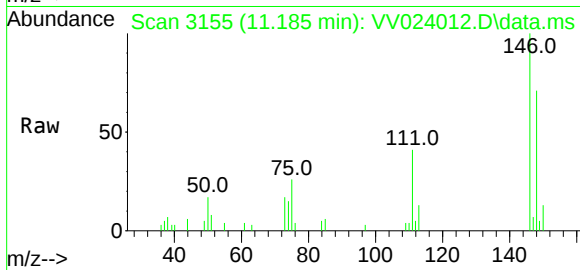
Tgt Ion:146 Resp: 5915

Ion Ratio Lower Upper

146 100

111 41.0 26.3 48.9

148 70.8 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 0.305 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.003 min

Lab File: VV024012.D

Acq: 16 Dec 2021 14:52

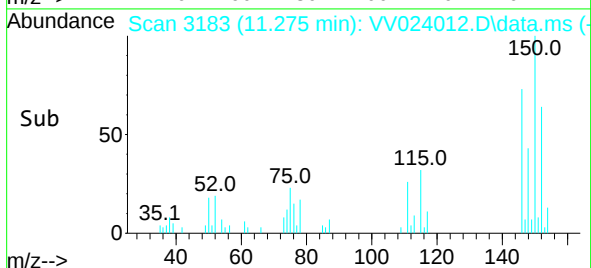
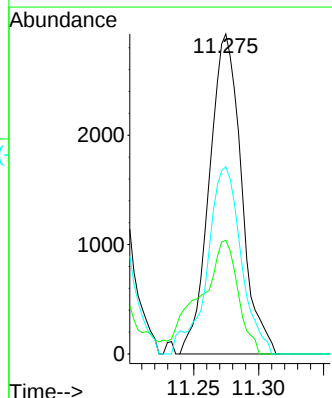
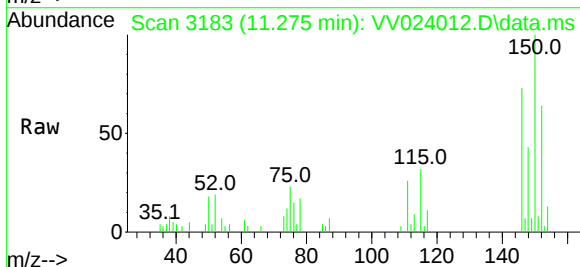
Tgt Ion:146 Resp: 5010

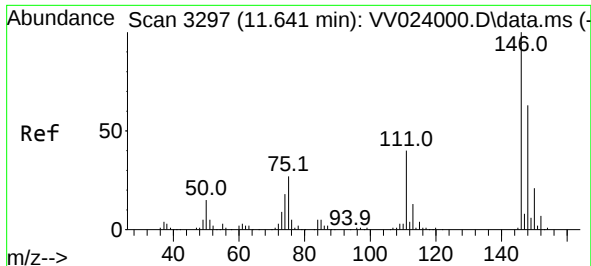
Ion Ratio Lower Upper

146 100

111 35.5 25.6 47.6

148 58.5 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.058 ug/L

RT: 11.645 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV024012.D

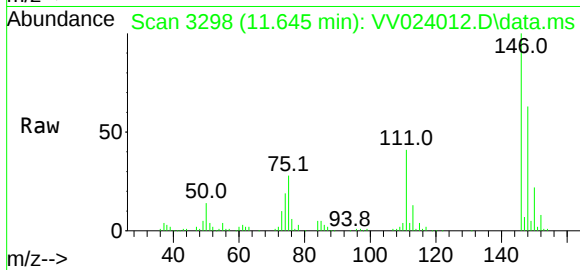
Acq: 16 Dec 2021 14:52

Instrument :

MSVOA_V

ClientSampleId :

BG3C7



Tgt Ion:146 Resp: 60841

Ion Ratio Lower Upper

146 100

111 40.8 31.9 47.9

148 62.7 50.5 75.7

