

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
 Data File : VV019118.D
 Acq On : 26 Oct 2020 14:45
 Operator : SY/MD
 Sample : L4502-04 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG452

Quant Time: Oct 27 07:16:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 07:08:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	270784	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	268098	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	128930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92141	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.92%
7) Chloroethane-d5	1.58	69	78093	39.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.88%
11) 1,1-Dichloroethene-d2	2.12	63	151757	32.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.88%
21) 2-Butanone-d5	3.91	46	137870	83.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.33%
24) Chloroform-d	4.38	84	188326	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
26) 1,2-Dichloroethane-d4	5.06	65	132619	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.70%
32) Benzene-d6	5.07	84	355747	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
36) 1,2-Dichloropropane-d6	6.09	67	113015	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.08%
41) Toluene-d8	7.34	98	317005	43.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.46%
43) trans-1,3-Dichloropropene-	7.64	79	57759	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.86%
47) 2-Hexanone-d5	8.11	63	102330	88.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147773	41.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	131595	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%

Target Compounds

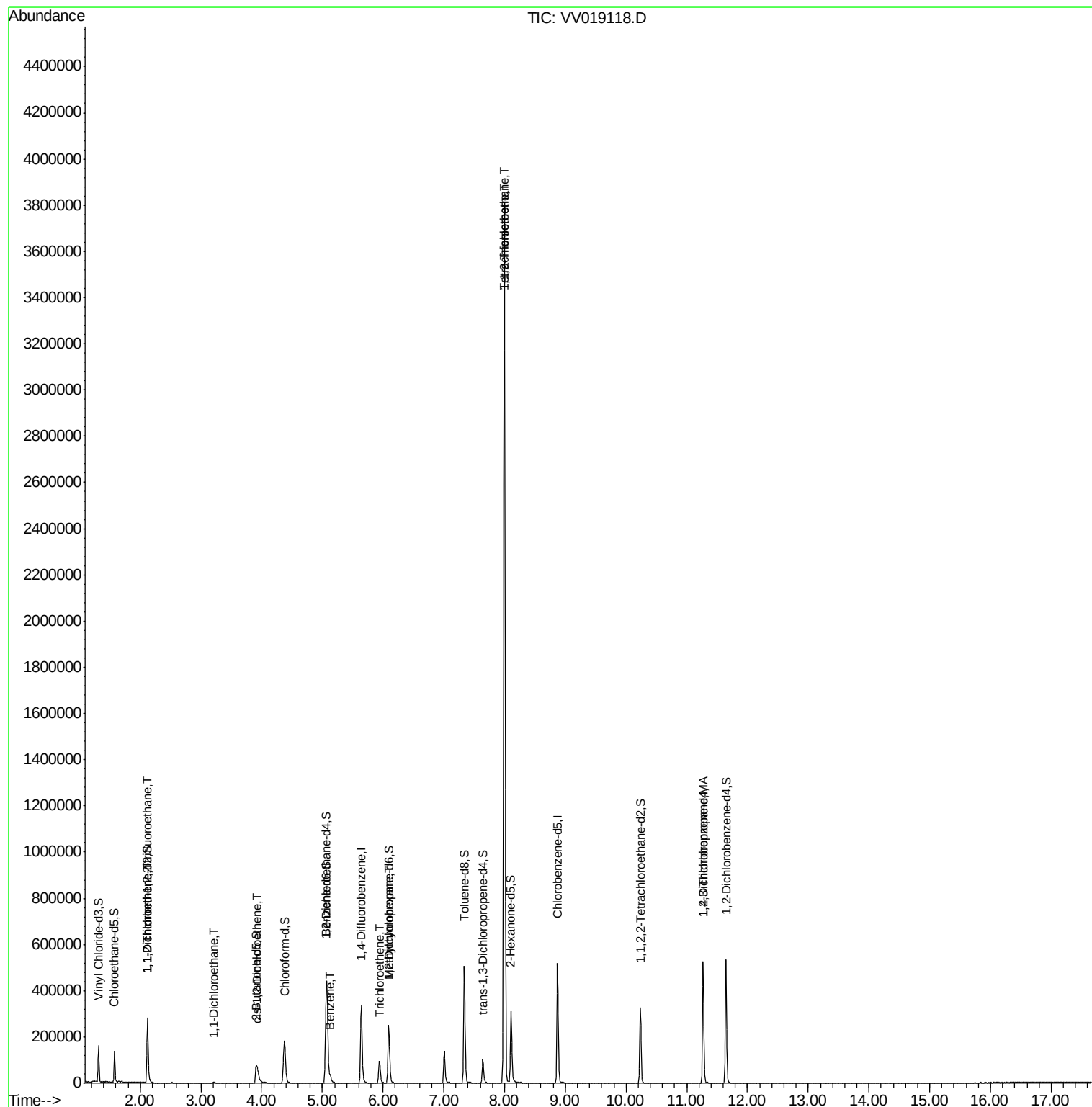
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1343	0.743	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	3955	2.187	ug/L #	1
19) 1,1-Dichloroethane	3.21	63	2937	0.761	ug/L	88
20) cis-1,2-Dichloroethene	3.94	96	7479	3.660	ug/L	98
33) Benzene	5.13	78	29653	3.613	ug/L	100
34) Trichloroethene	5.94	95	32599	15.718	ug/L	96
35) Methylcyclohexane	6.09	83	27587	9.722	ug/L #	16
45) 1,1,2-Trichloroethane	8.00	97	7333	3.675	ug/L #	12
46) Tetrachloroethene	8.00	164	815748	512.551	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	15115	5.721	ug/L #	88

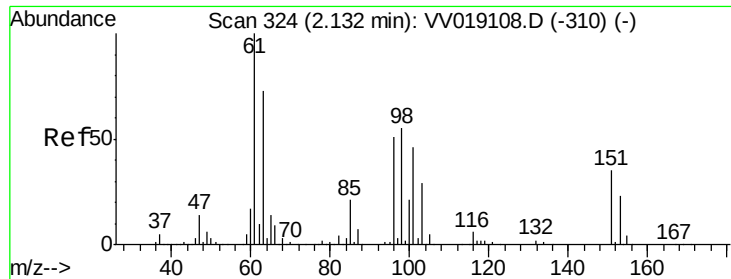
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.743 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019118.D

Acq: 26 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleId :

BG452

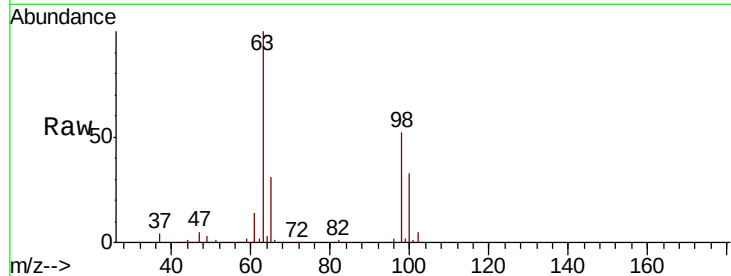
Tot Ion:101 Resp: 1343

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

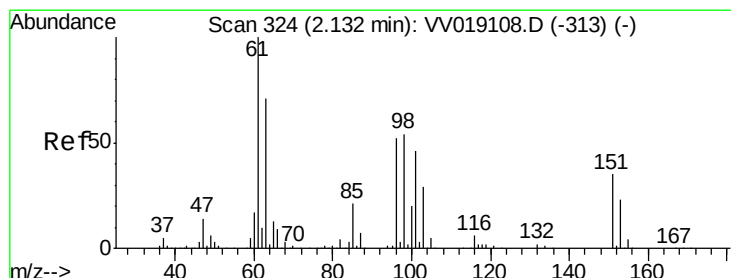
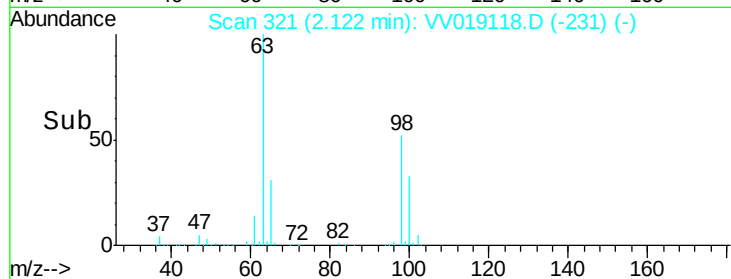
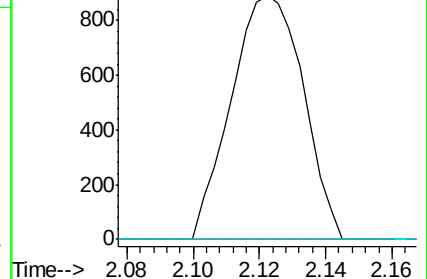
151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.187 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019118.D

Acq: 26 Oct 2020 14:45

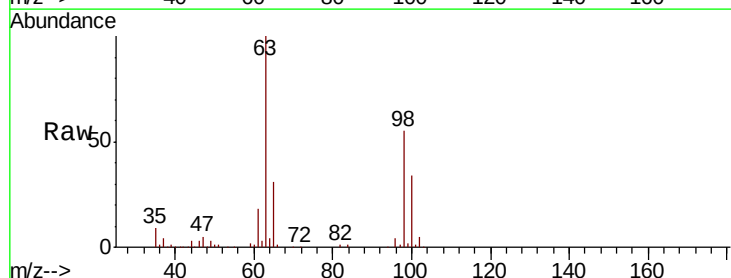
Tgt Ion: 96 Resp: 3955

Ion Ratio Lower Upper

96 100

61 482.1 138.7 257.7#

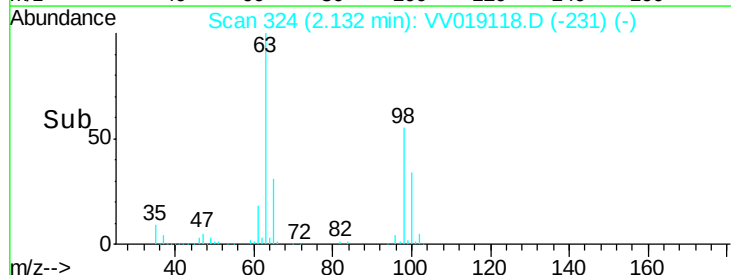
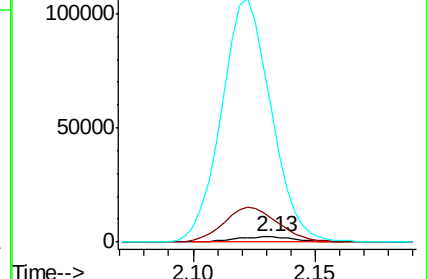
63 2629.1 126.3 234.6#

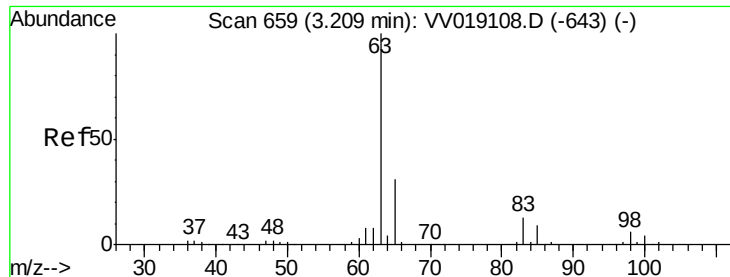


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

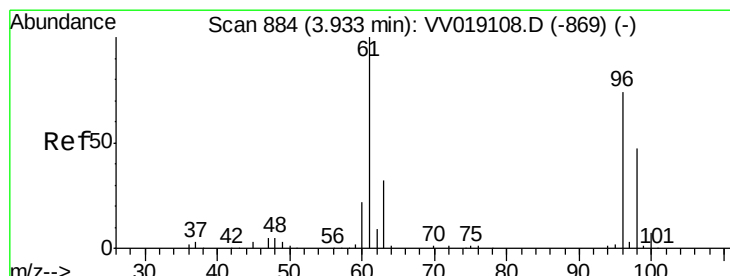
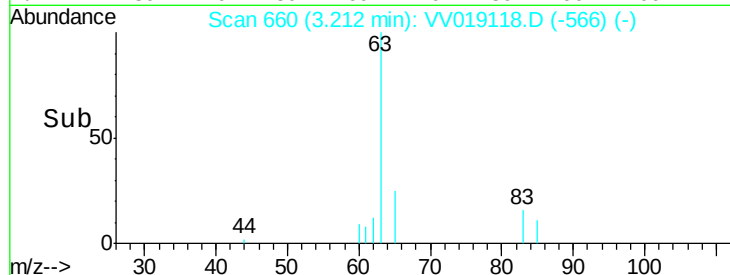
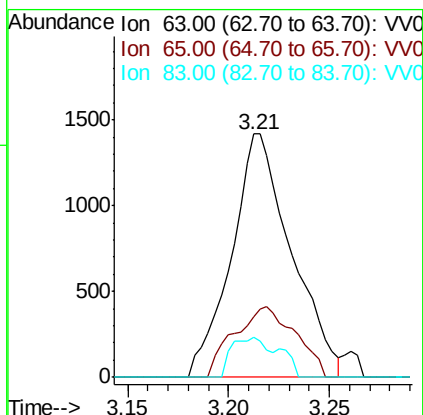
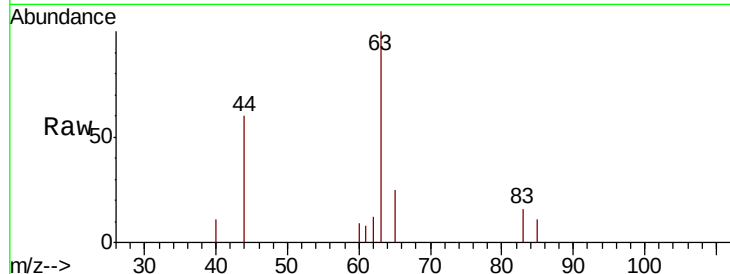




#19
 1,1-Dichloroethane
 Concen: 0.761 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019118.D
 Acq: 26 Oct 2020 14:45

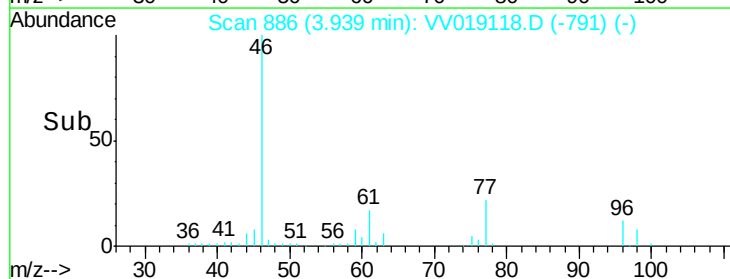
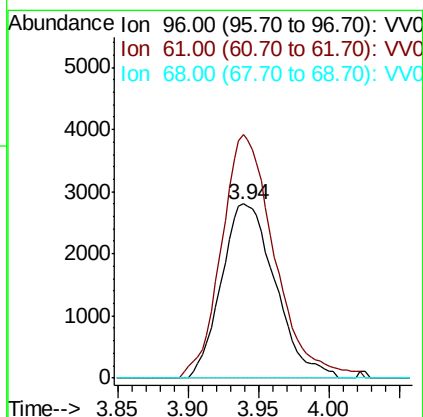
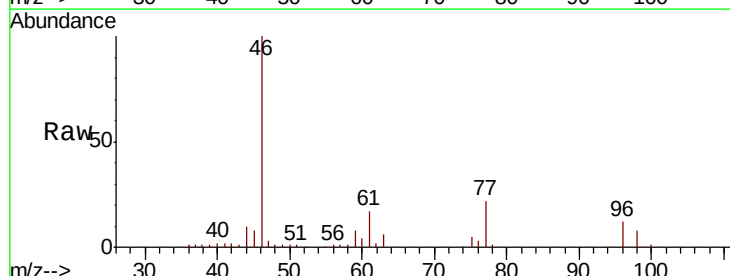
Instrument :
 MSVOA_V
 ClientSampleId :
 BG452

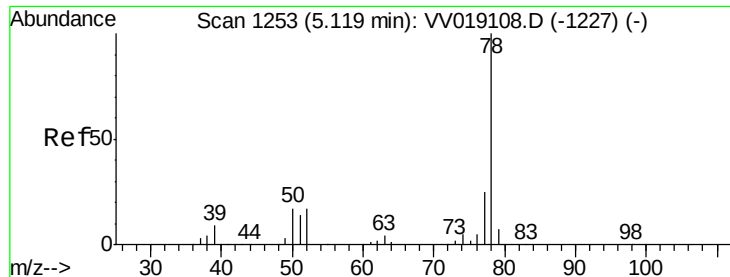
Tot Ion: 63 Resp: 2937
 Ion Ratio Lower Upper
 63 100
 65 24.9 22.7 42.1
 83 16.5 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 3.660 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019118.D
 Acq: 26 Oct 2020 14:45

Tgt Ion: 96 Resp: 7479
 Ion Ratio Lower Upper
 96 100
 61 140.0 99.4 184.6
 68 0.0 0.0 0.0





#33

Benzene

Concen: 3.613 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV019118.D

Acq: 26 Oct 2020 14:45

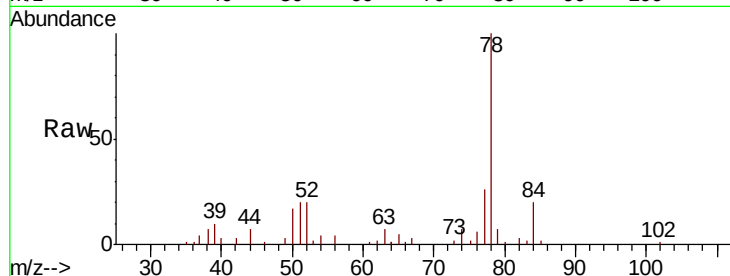
Instrument :

MSVOA_V

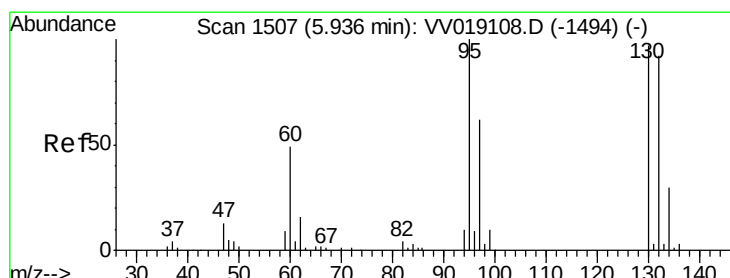
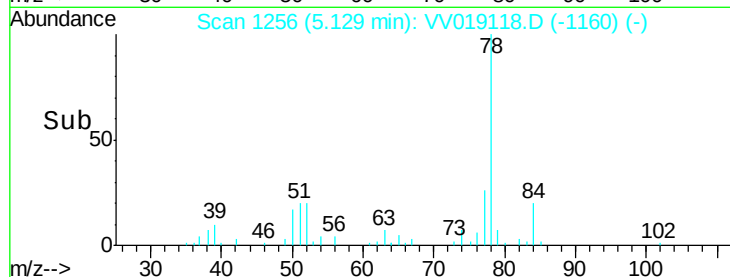
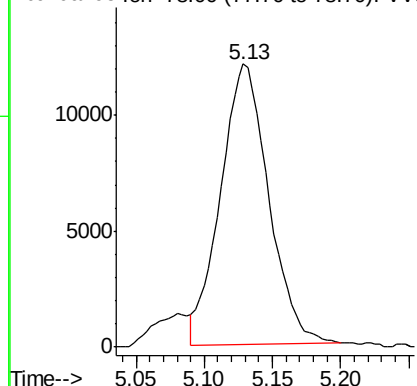
ClientSampleId :

BG452

Tgt Ion: 78 Resp: 29653



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 15.718 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019118.D

Acq: 26 Oct 2020 14:45

Tgt Ion: 95 Resp: 32599

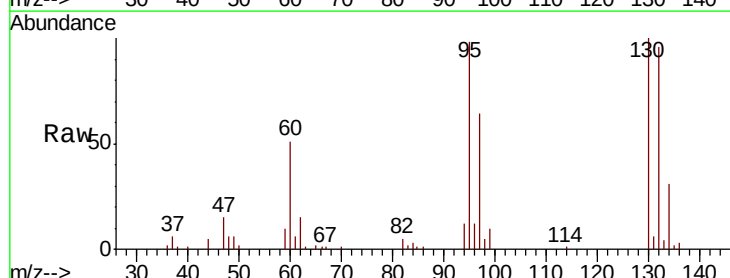
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.6	82.8
132	97.8	66.0	122.6
130	102.1	67.6	125.6

95 100

97 65.5 44.6 82.8

132 97.8 66.0 122.6

130 102.1 67.6 125.6

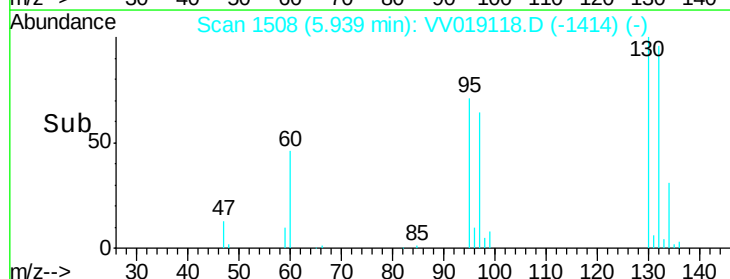
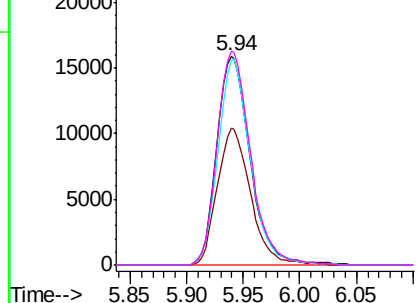


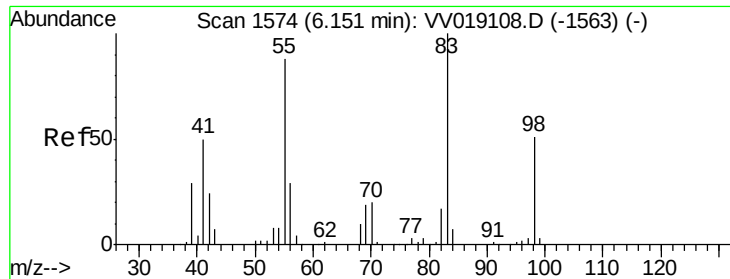
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

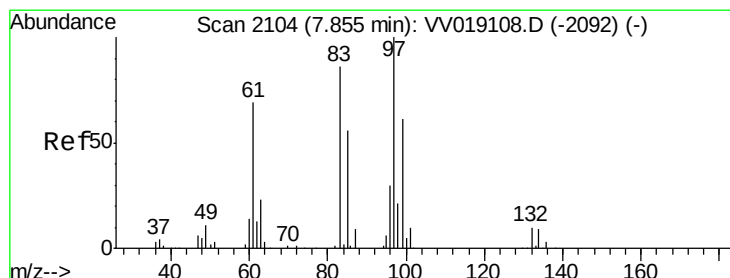
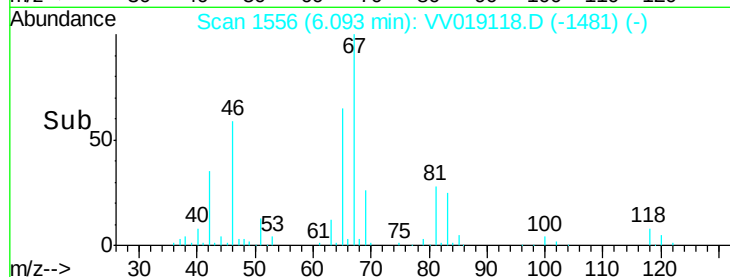
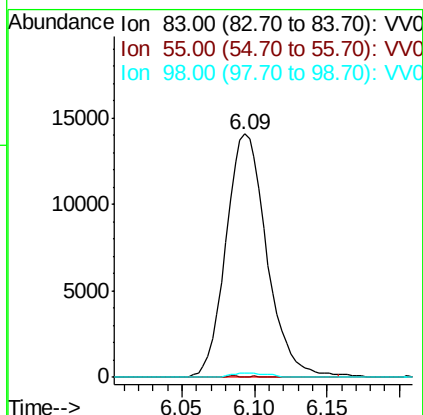
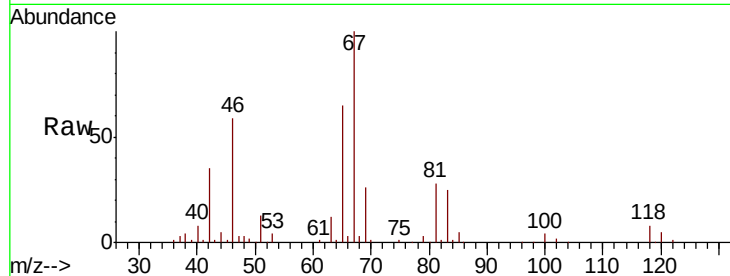




#35
Methylcyclohexane
Concen: 9.722 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019118.D
Acq: 26 Oct 2020 14:45

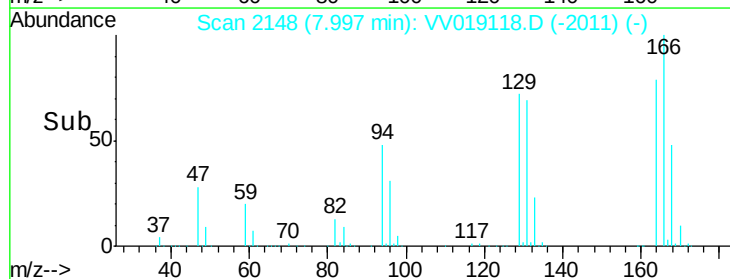
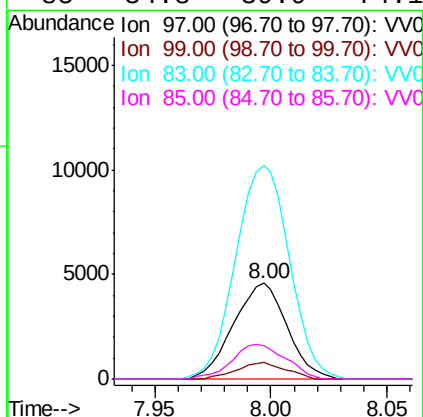
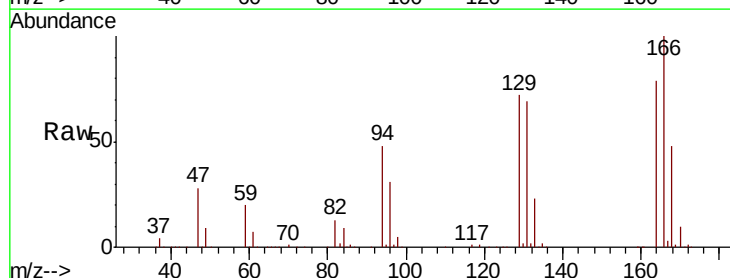
Instrument :
MSVOA_V
ClientSampleId :
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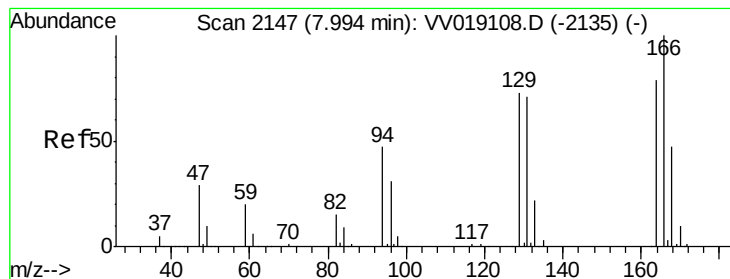
Tot Ion: 83 Resp: 27587
Ion Ratio Lower Upper
83 100
55 0.2 68.1 102.1#
98 1.5 37.9 56.9#



#45
1,1,2-Trichloroethane
Concen: 3.675 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.14 min
Lab File: VV019118.D
Acq: 26 Oct 2020 14:45

Tgt Ion: 97 Resp: 7333
Ion Ratio Lower Upper
97 100
99 16.8 43.5 80.9#
83 223.9 62.2 115.4#
85 34.8 39.9 74.1#





#46

Tetrachloroethene

Concen: 512.551 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019118.D

Acq: 26 Oct 2020 14:45

Instrument :

MSVOA_V

ClientSampleID :

BG452

Tot Ion:164 Resp: 815748

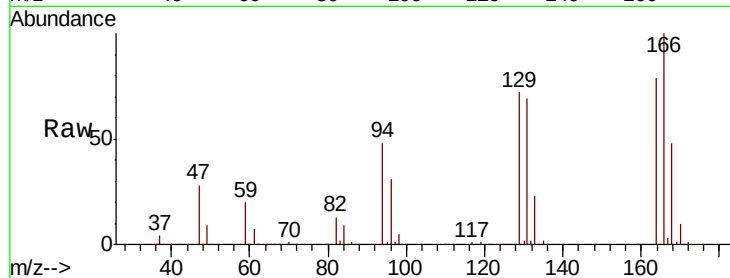
Ion Ratio Lower Upper

164 100

129 90.8 65.5 121.6

131 88.0 62.4 115.8

166 126.6 90.0 167.2

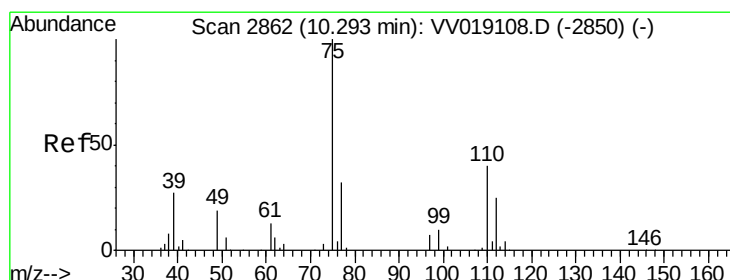
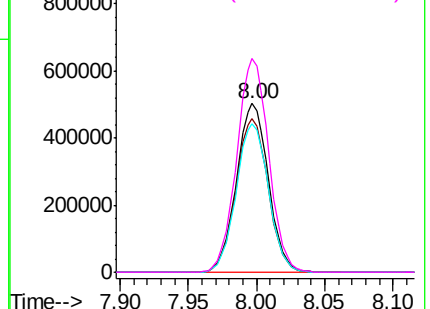
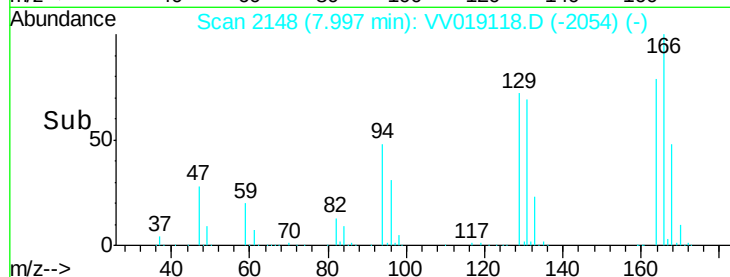


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.721 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019118.D

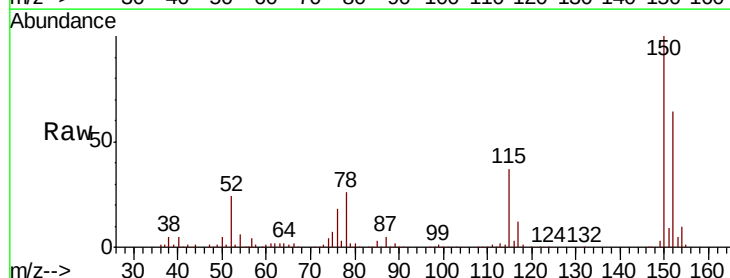
Acq: 26 Oct 2020 14:45

Tgt Ion: 75 Resp: 15115

Ion Ratio Lower Upper

75 100

77 39.1 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

