

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
 Data File : VV019122.D
 Acq On : 26 Oct 2020 16:20
 Operator : SY/MD
 Sample : L4502-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG453

Quant Time: Oct 27 07:17:06 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	230545	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	228893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77833	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.32%
7) Chloroethane-d5	1.58	69	64370	38.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.36%
11) 1,1-Dichloroethene-d2	2.12	63	122043	31.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.22%
21) 2-Butanone-d5	3.91	46	118928	84.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.43%
24) Chloroform-d	4.37	84	153964	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.06%
26) 1,2-Dichloroethane-d4	5.06	65	110123	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
32) Benzene-d6	5.07	84	291254	41.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.09	67	93139	41.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.14%
41) Toluene-d8	7.34	98	257024	41.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.10%
43) trans-1,3-Dichloropropene-	7.64	79	47681	41.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.06%
47) 2-Hexanone-d5	8.11	63	81611	82.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	124227	41.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	107852	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

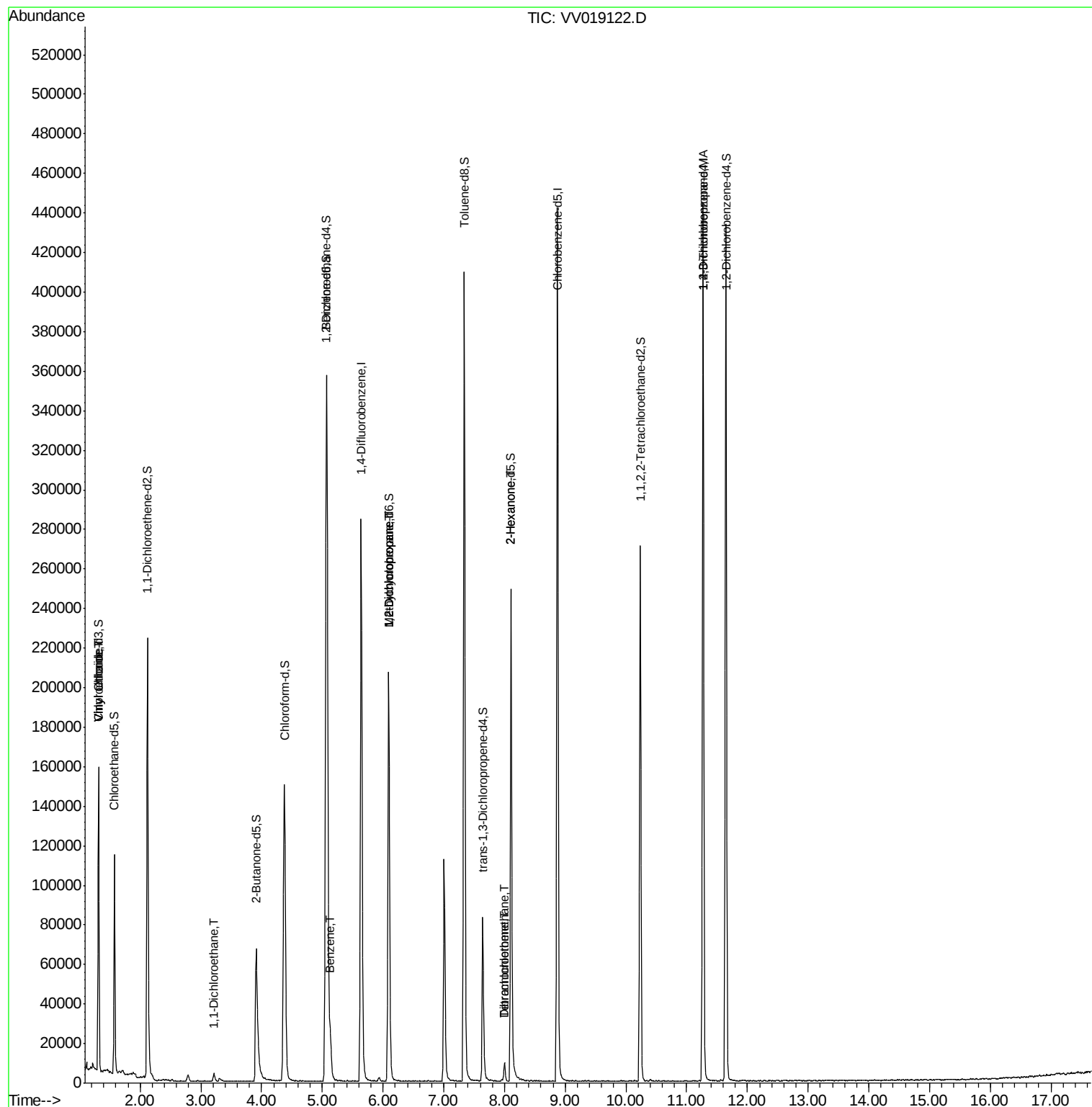
					Ovalue
5) Vinyl chloride	1.32	62	14930	6.786	ug/L 92
8) Chloroethane	1.32	64	5897	4.274	ug/L 94
19) 1,1-Dichloroethane	3.22	63	4134	1.258	ug/L 95
33) Benzene	5.13	78	23343	3.331	ug/L 100
35) Methylcyclohexane	6.09	83	23518	9.707	ug/L # 16
37) 1,2-Dichloropropane	6.09	63	11784	6.109	ug/L # 87
46) Tetrachloroethene	8.00	164	2324	1.710	ug/L 87
48) 2-Hexanone	8.11	43	11080	5.517	ug/L # 70
49) Dibromochloromethane	8.00	129	1997	1.072	ug/L # 11
59) 1,2,3-Trichloropropane	11.27	75	12420	5.506	ug/L # 87

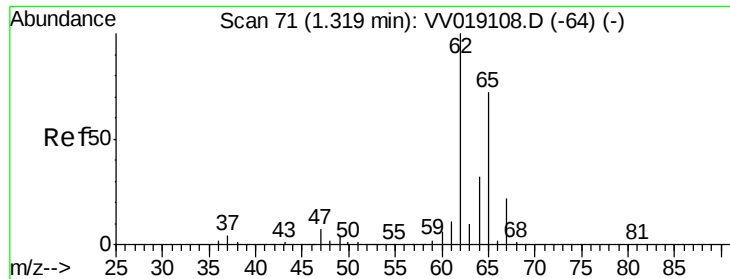
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Oct 27 07:08:20 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.786 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019122.D

Acq: 26 Oct 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

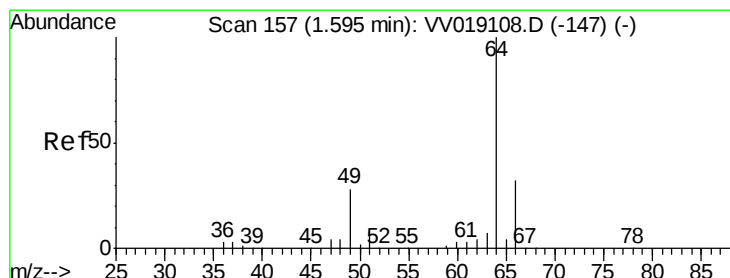
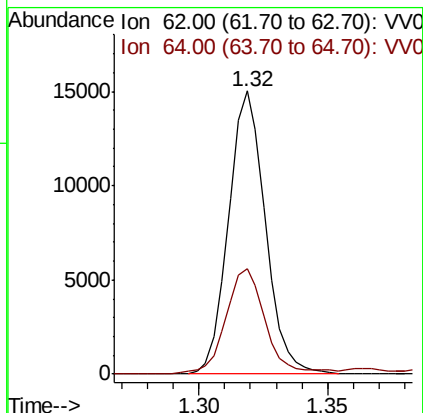
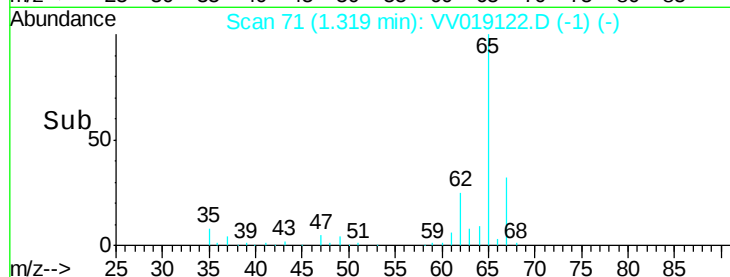
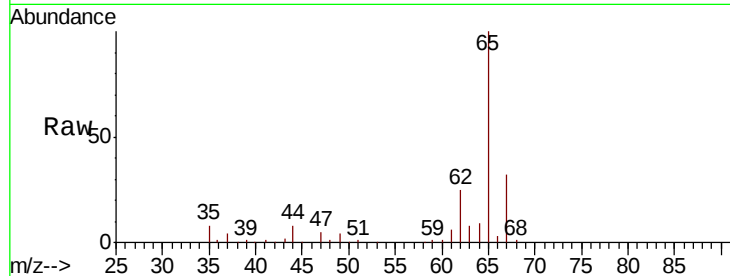
BG453

Tot Ion: 62 Resp: 14930

Ion Ratio Lower Upper

62 100

64 37.4 22.9 42.5



#8

Chloroethane

Concen: 4.274 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV019122.D

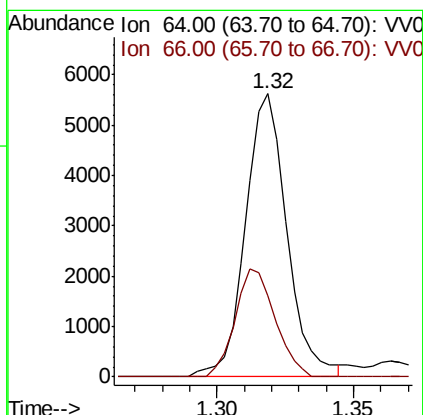
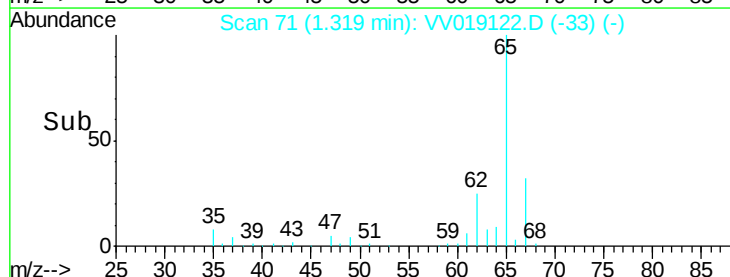
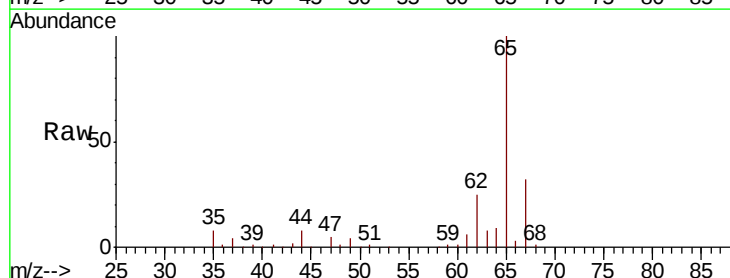
Acq: 26 Oct 2020 16:20

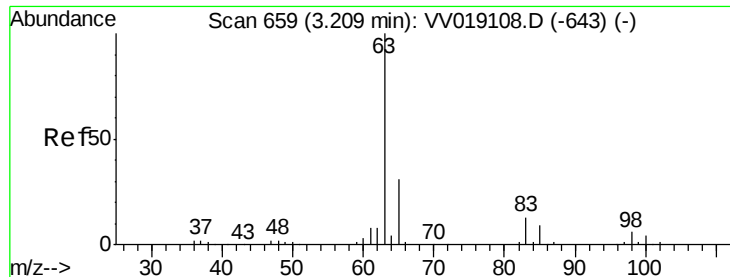
Tgt Ion: 64 Resp: 5897

Ion Ratio Lower Upper

64 100

66 28.6 22.5 41.9

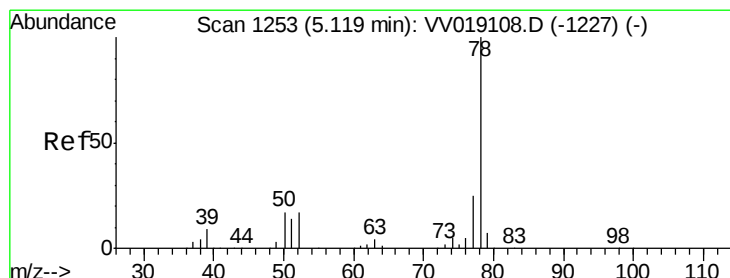
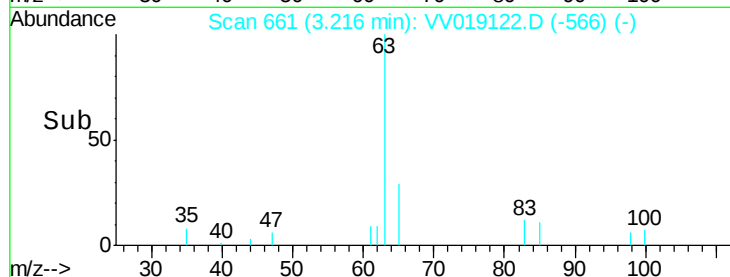
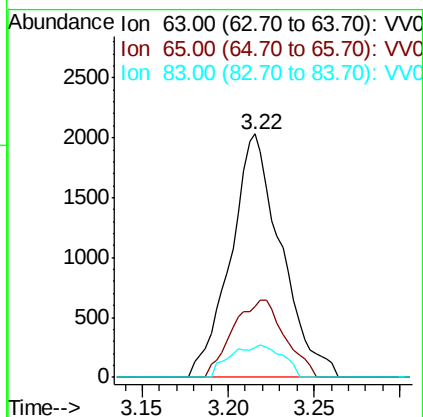
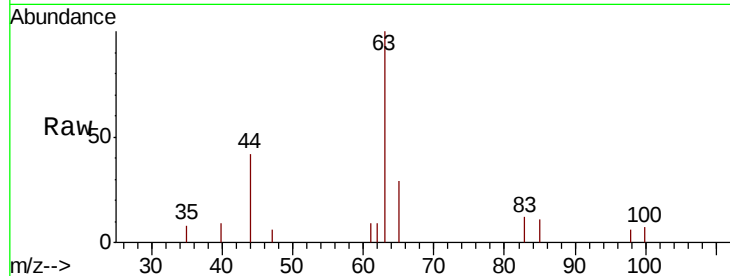




#19
 1,1-Dichloroethane
 Concen: 1.258 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV019122.D
 Acq: 26 Oct 2020 16:20

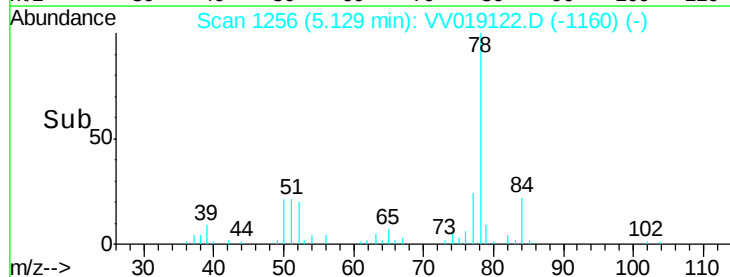
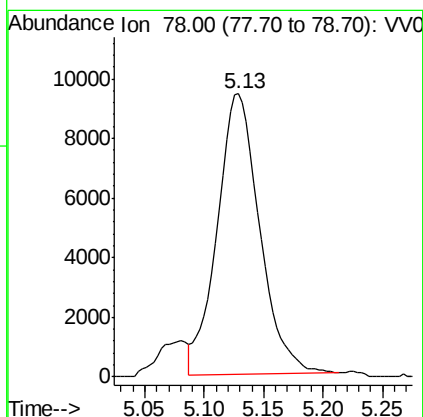
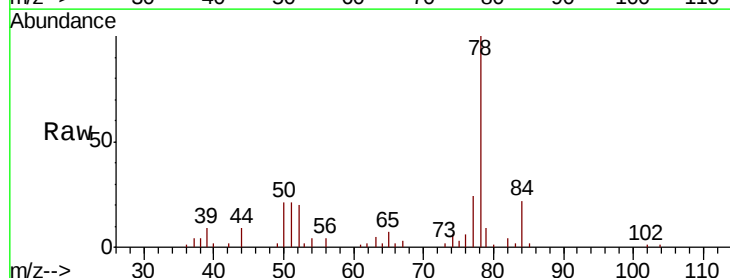
Instrument :
 MSVOA_V
 ClientSampled :
 BG453

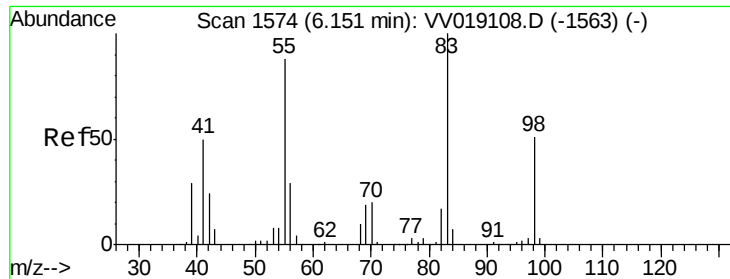
Tot Ion: 63 Resp: 4134
 Ion Ratio Lower Upper
 63 100
 65 29.0 22.7 42.1
 83 12.1 9.0 16.8



#33
 Benzene
 Concen: 3.331 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VV019122.D
 Acq: 26 Oct 2020 16:20

Tgt Ion: 78 Resp: 23343

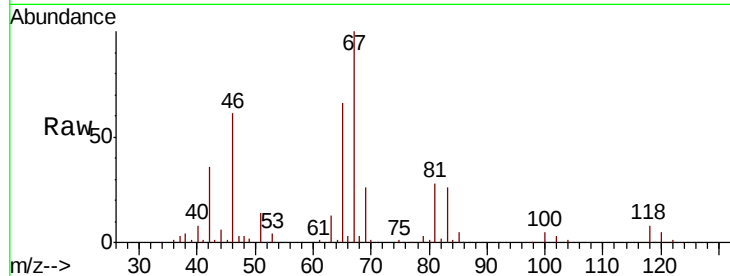




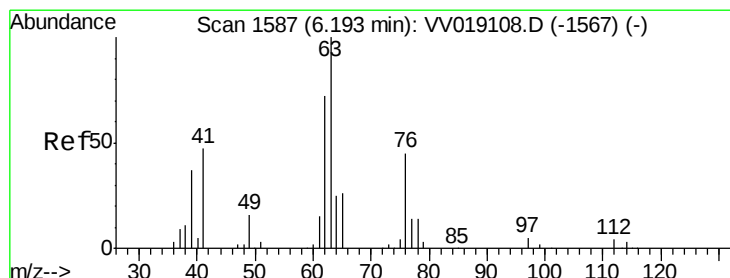
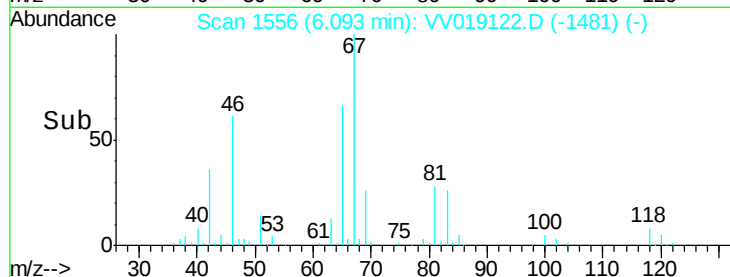
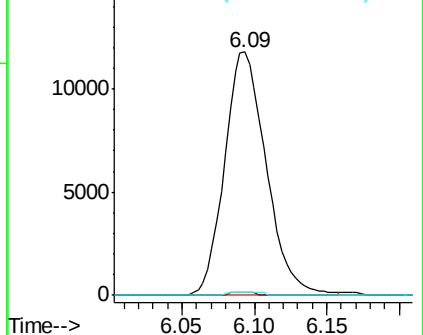
#35
Methvlcvclohexane
Concen: 9.707 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019122.D
Acq: 26 Oct 2020 16:20

Instrument :
MSVOA_V
ClientSampled :
BG453

Tot Ion: 83 Resp: 23518
Ion Ratio Lower Upper
83 100
55 0.3 68.1 102.1#
98 1.1 37.9 56.9#

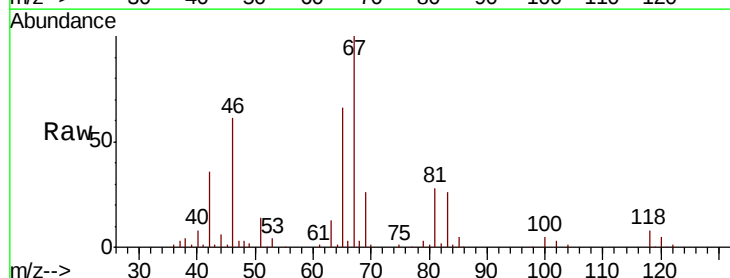


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

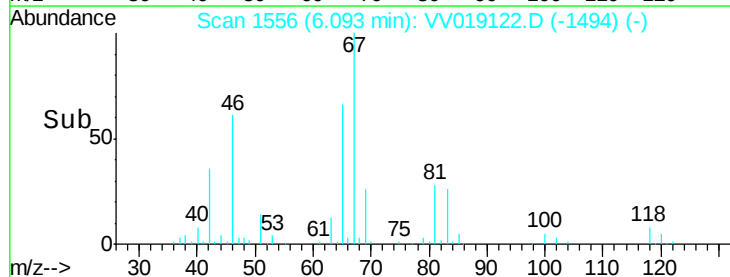
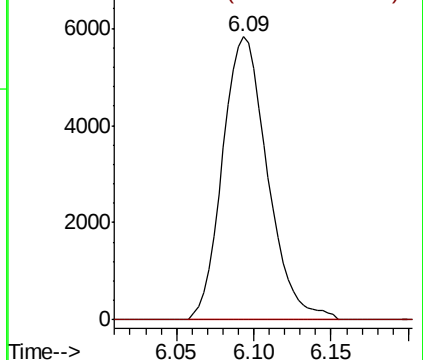


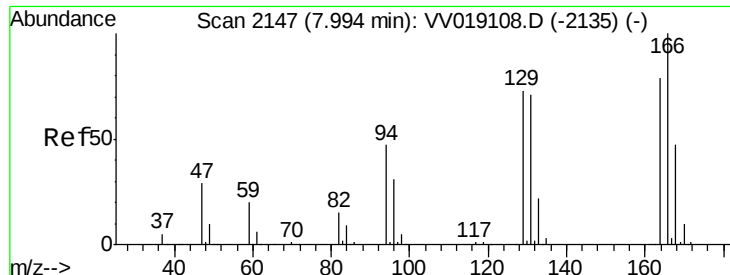
#37
1,2-Dichloropropane
Concen: 6.109 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV019122.D
Acq: 26 Oct 2020 16:20

Tgt Ion: 63 Resp: 11784
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#46

Tetrachloroethene

Concen: 1.710 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV019122.D

Acq: 26 Oct 2020 16:20

Instrument :

MSVOA_V

ClientSampleId :

BG453

Tot Ion:164 Resp: 2324

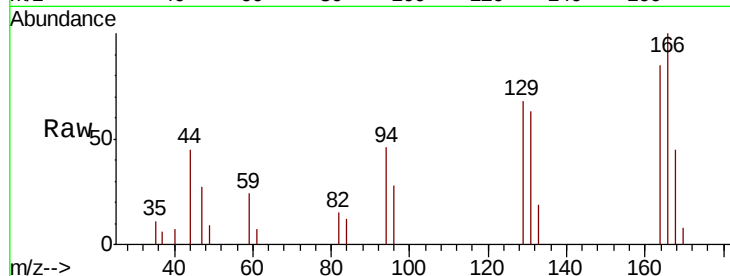
Ion Ratio Lower Upper

164 100

129 79.5 65.5 121.6

131 73.8 62.4 115.8

166 117.4 90.0 167.2



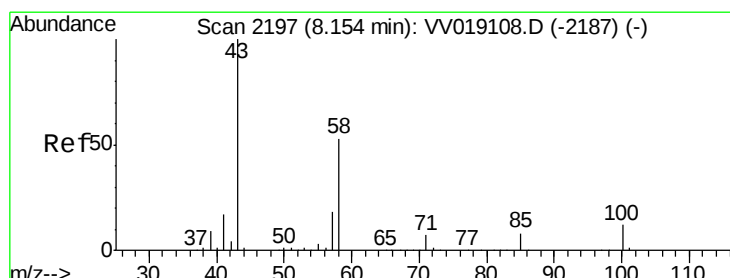
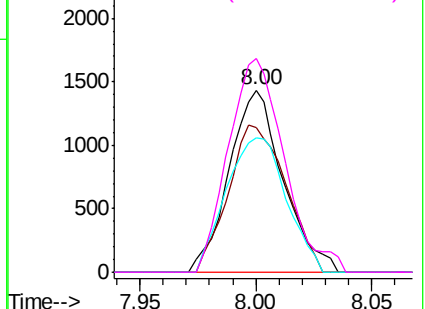
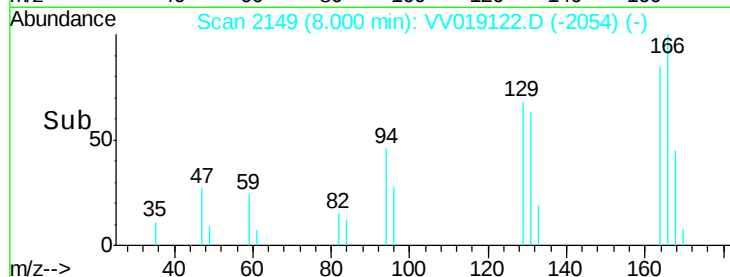
Abundance

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



#48

2-Hexanone

Concen: 5.517 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV019122.D

Acq: 26 Oct 2020 16:20

Tgt Ion: 43 Resp: 11080

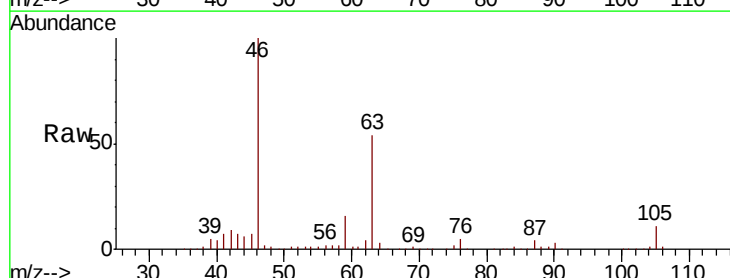
Ion Ratio Lower Upper

43 100

58 26.3 41.1 61.7#

57 25.5 14.7 22.1#

100 0.6 8.6 12.8#



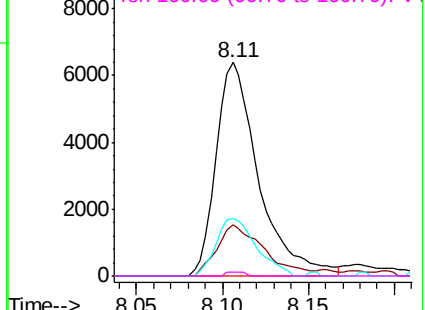
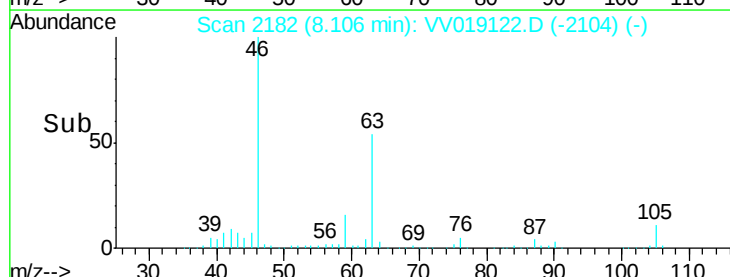
Abundance

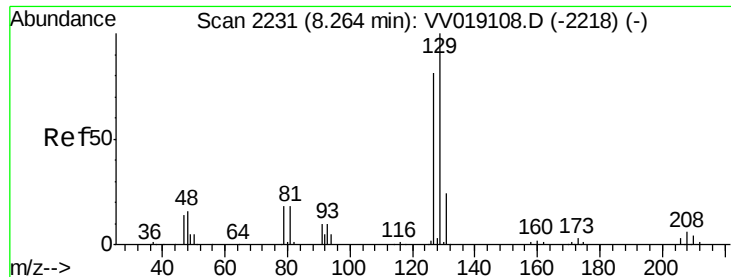
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 1.072 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV019122.D

Acq: 26 Oct 2020 16:20

Instrument :

MSVOA_V

ClientSampled :

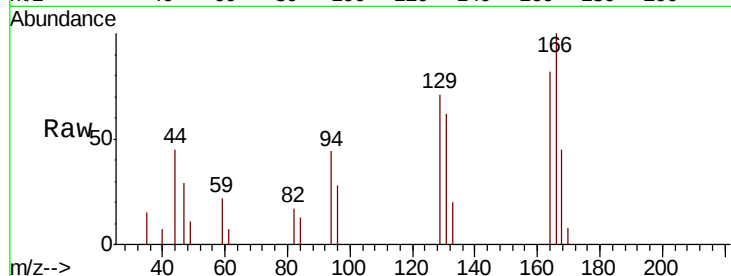
BG453

Tot Ion:129 Resp: 1997

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

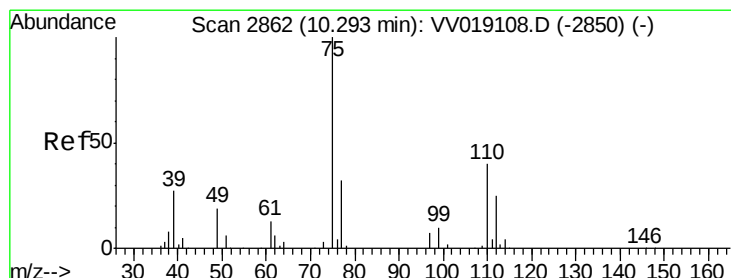
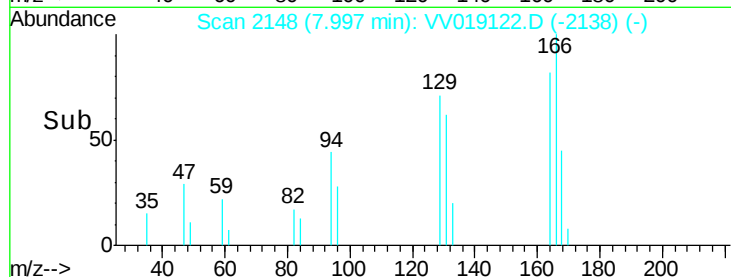
8.00

1000

500

0

Time--> 7.95 8.00



#59

1,2,3-Trichloropropane

Concen: 5.506 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019122.D

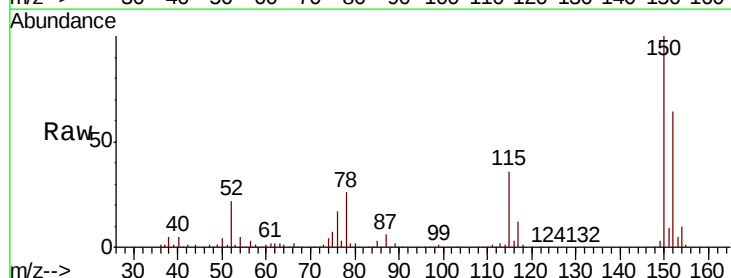
Acq: 26 Oct 2020 16:20

Tgt Ion: 75 Resp: 12420

Ion Ratio Lower Upper

75 100

77 39.6 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.27

8000

6000

4000

2000

0

Time--> 11.25 11.30

