

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 07:57:05 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

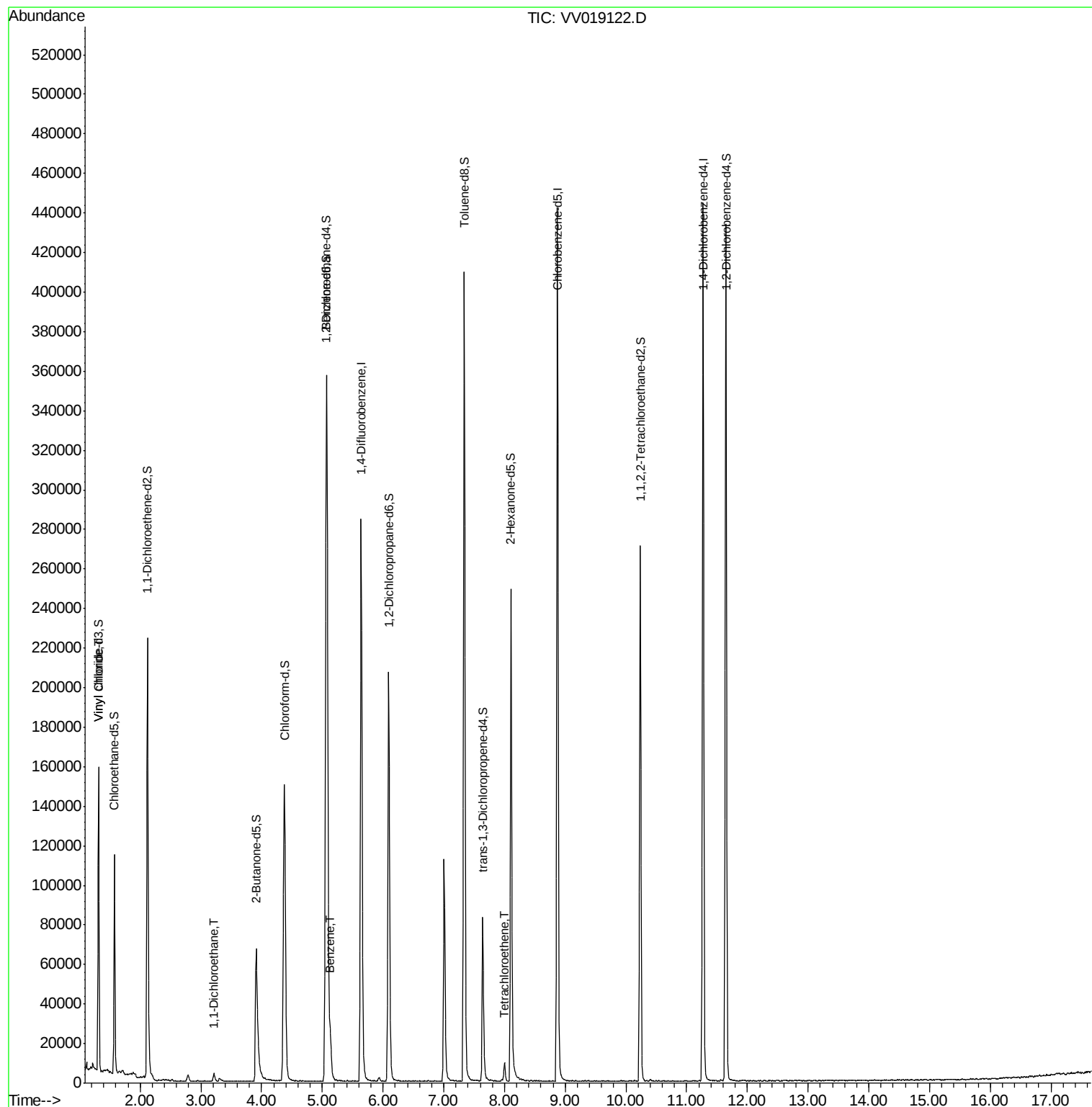
					Ovalue
5) Vinyl chloride	1.32	62	14930	6.786 ug/L	92
19) 1,1-Dichloroethane	3.22	63	4134	1.258 ug/L	95
33) Benzene	5.13	78	23343	3.331 ug/L	100
46) Tetrachloroethene	8.00	164	2324	1.710 ug/L	87

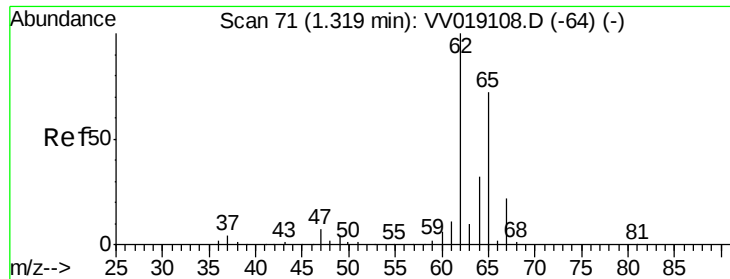
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

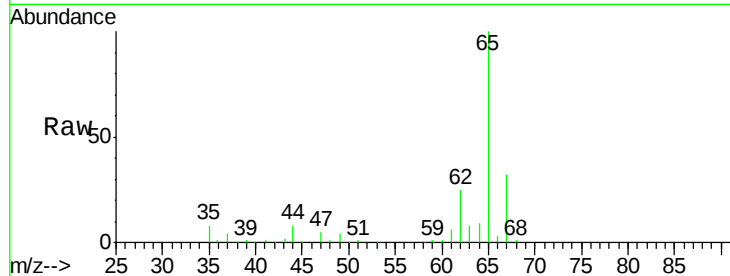
BG453

Tot Ion: 62 Resp: 14930

Ion Ratio Lower Upper

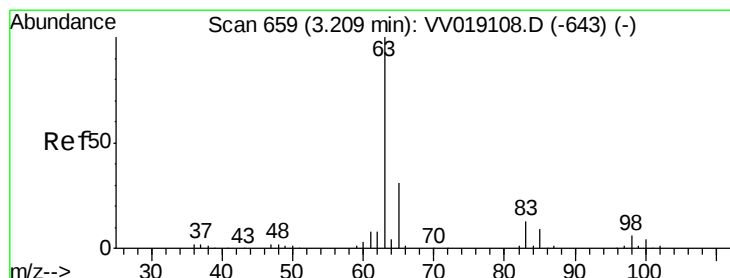
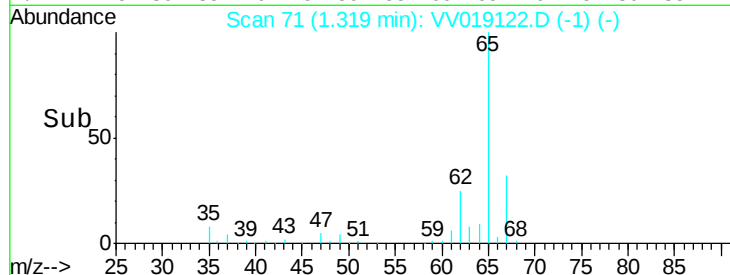
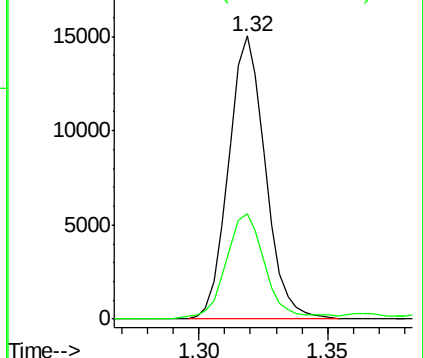
62 100

64 37.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#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

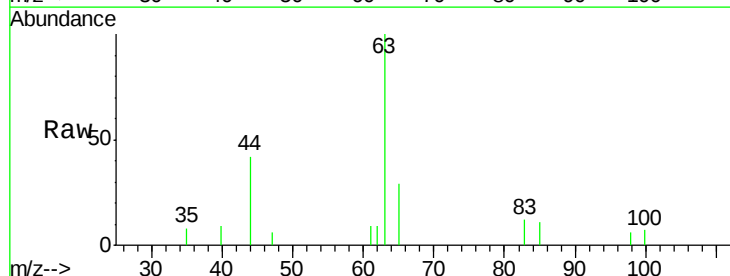
Tgt Ion: 63 Resp: 4134

Ion Ratio Lower Upper

63 100

65 29.0 22.7 42.1

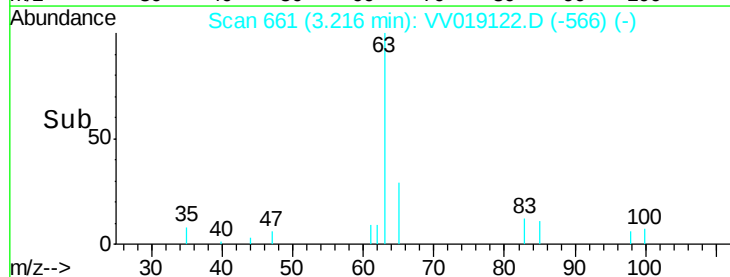
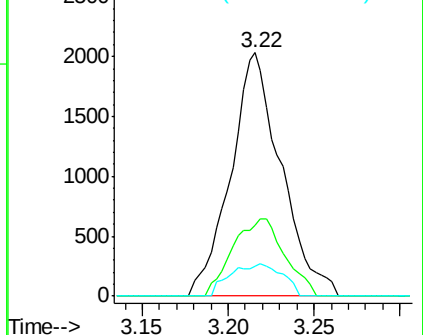
83 12.1 9.0 16.8

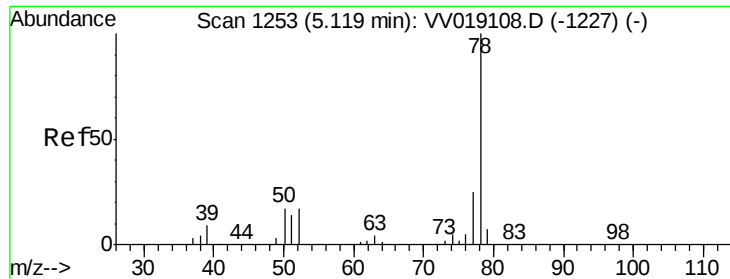


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0





#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

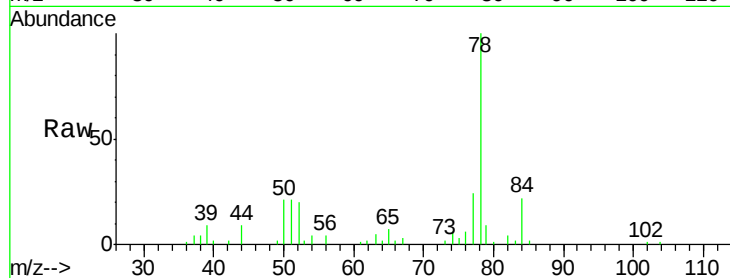
Instrument :

MSVOA_V

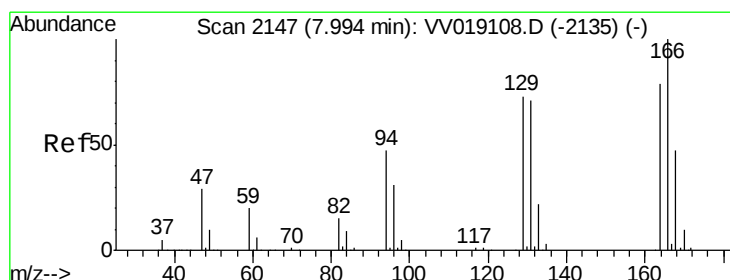
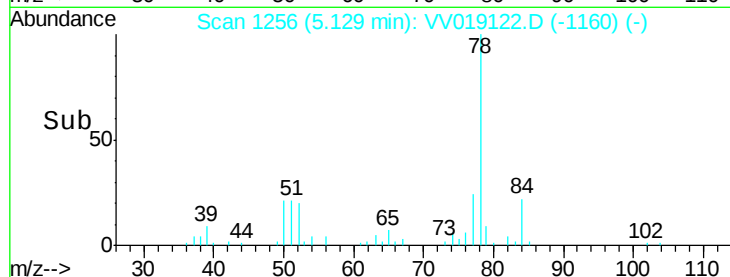
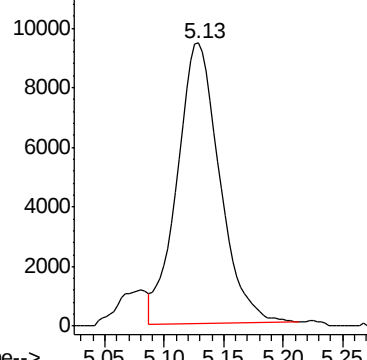
ClientSampleId :

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Tgt Ion: 78 Resp: 23343



Abundance Ion 78.00 (77.70 to 78.70): VV0



#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

Tgt 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

