

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082520\
 Data File : VV018096.D
 Acq On : 25 Aug 2020 17:59
 Operator : SY/MD
 Sample : L3800-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3F8

Quant Time: Aug 26 02:13:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 26 02:11:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	261947	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	259655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93444	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.50%
7) Chloroethane-d5	1.58	69	81985	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.28%
11) 1,1-Dichloroethene-d2	2.12	63	142075	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.32%
21) 2-Butanone-d5	3.91	46	128184	97.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.38	84	173751	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	5.06	65	118319	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.08	84	354427	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
36) 1,2-Dichloropropane-d6	6.09	67	115841	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.04%
41) Toluene-d8	7.34	98	312173	48.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.02%
43) trans-1,3-Dichloropropene-	7.64	79	52593	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.14%
47) 2-Hexanone-d5	8.11	63	72008	95.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	142272	46.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	130961	52.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.78%

Target Compounds

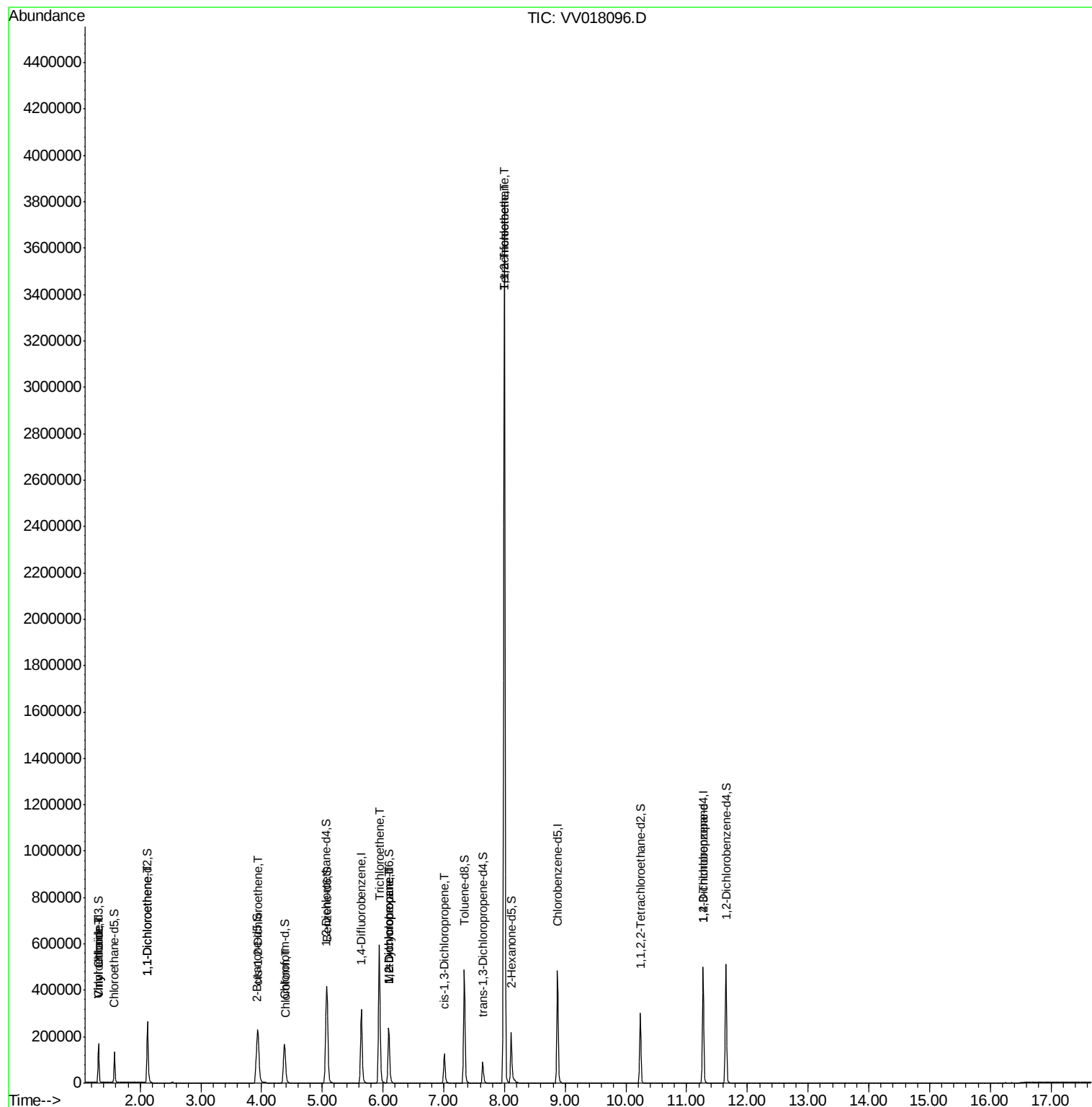
					Ovalue
5) Vinyl chloride	1.32	62	12055	5.179 ug/L #	72
8) Chloroethane	1.32	64	5403	3.637 ug/L	98
12) 1,1-Dichloroethene	2.12	96	1718	0.978 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	109129	54.980 ug/L	98
25) Chloroform	4.41	83	4725	1.276 ug/L	96
34) Trichloroethene	5.94	95	205401	96.731 ug/L	97
35) Methylcyclohexane	6.09	83	28159	8.918 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12553	5.730 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2999	0.966 ug/L #	67
45) 1,1,2-Trichloroethane	8.00	97	7208	3.553 ug/L #	1
46) Tetrachloroethene	8.00	164	842501	540.997 ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	14429	5.333 ug/L	92

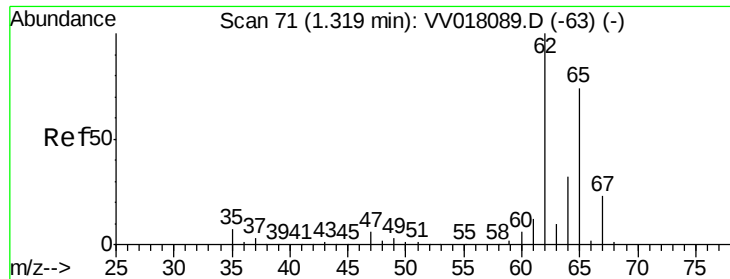
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.179 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

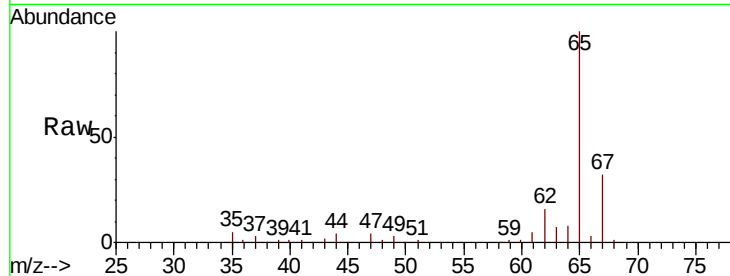
BG3F8

Tot Ion: 62 Resp: 12055

Ion Ratio Lower Upper

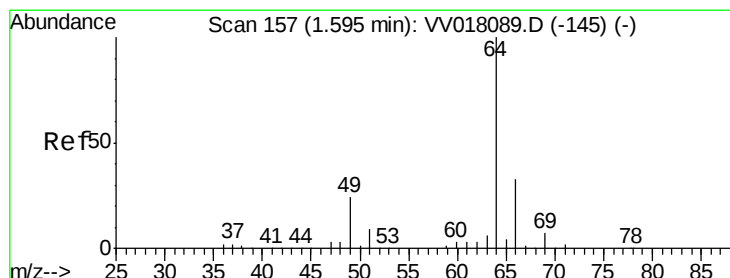
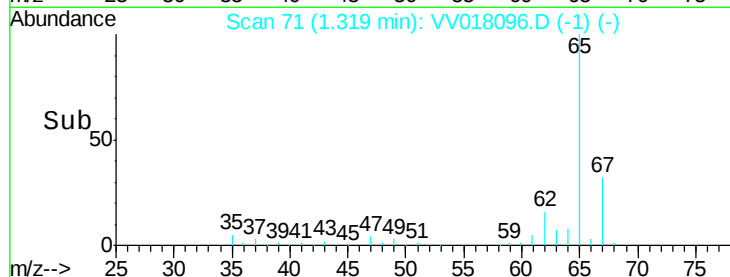
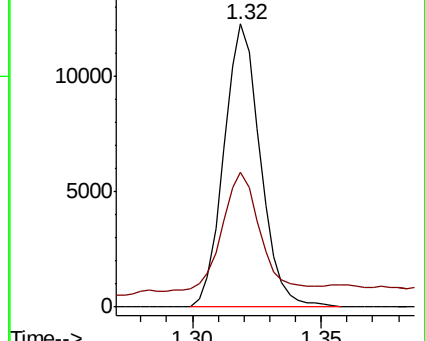
62 100

64 47.7 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 3.637 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018096.D

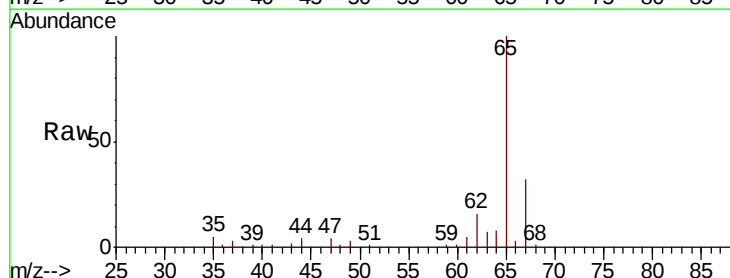
Acq: 25 Aug 2020 17:59

Tgt Ion: 64 Resp: 5403

Ion Ratio Lower Upper

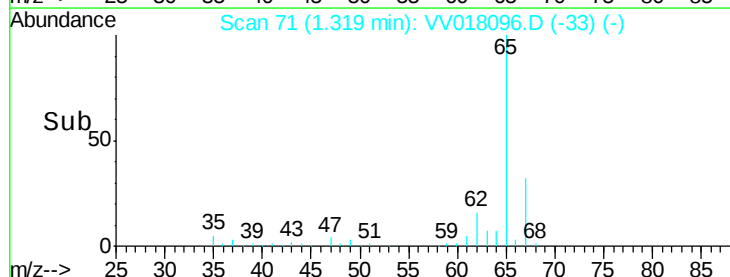
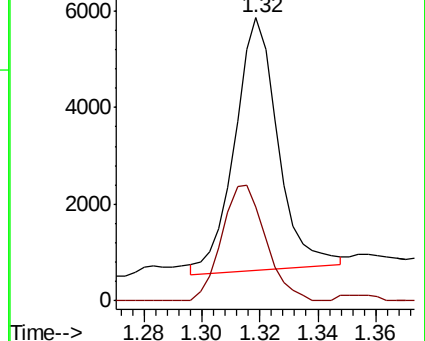
64 100

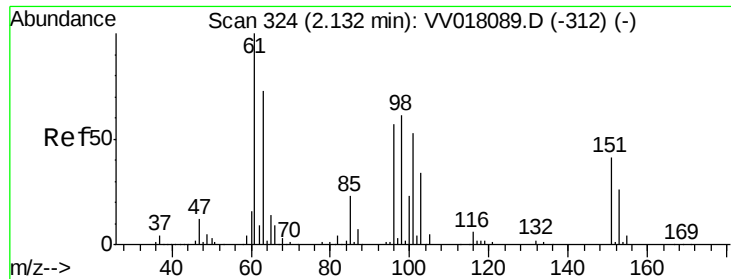
66 33.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 0.978 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

Instrument :

MSVOA_V

ClientSampled :

BG3F8

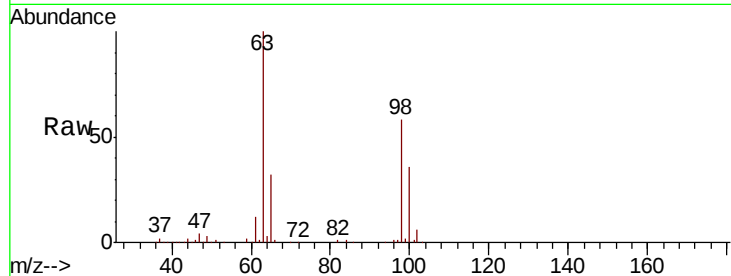
Tot Ion: 96 Resp: 1718

Ion Ratio Lower Upper

96 100

61 1192.0 127.1 236.0#

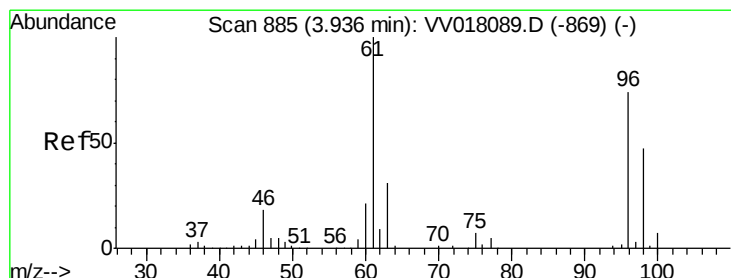
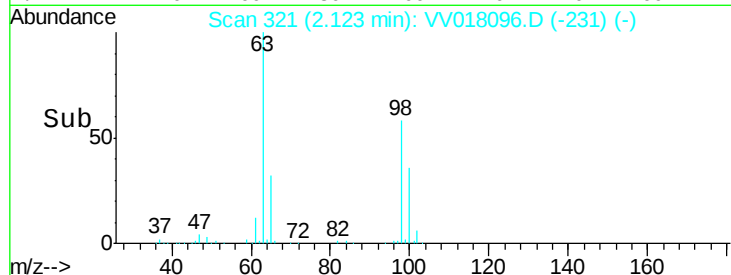
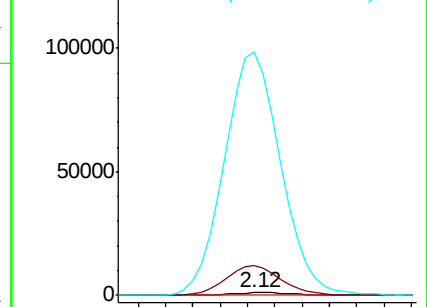
63 9825.7 95.2 176.8#



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



#20

cis-1,2-Dichloroethene

Concen: 54.980 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

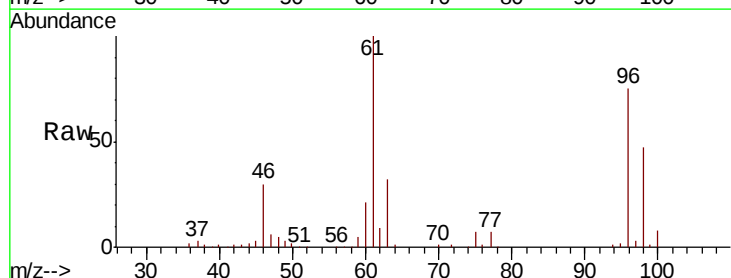
Tgt Ion: 96 Resp: 109129

Ion Ratio Lower Upper

96 100

61 133.3 95.0 176.4

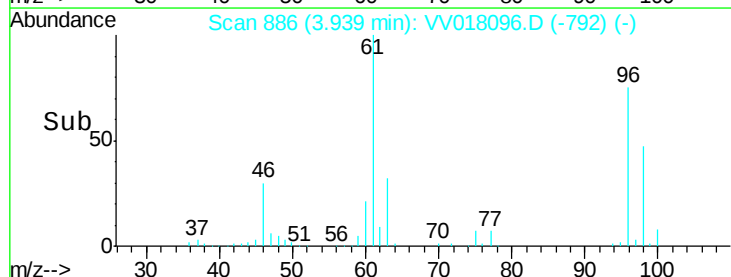
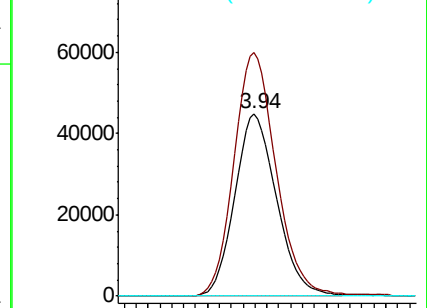
68 0.0 0.0 0.0

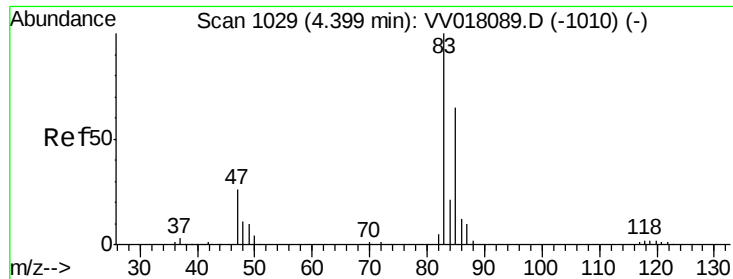


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#25

Chloroform

Concen: 1.276 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

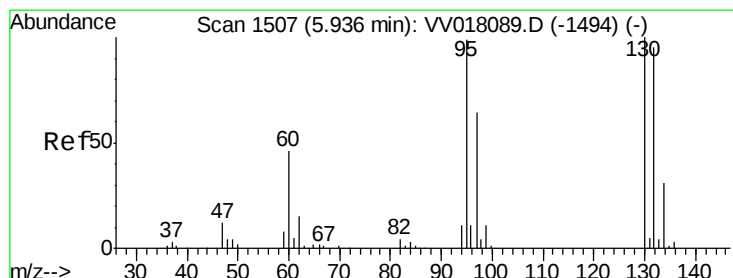
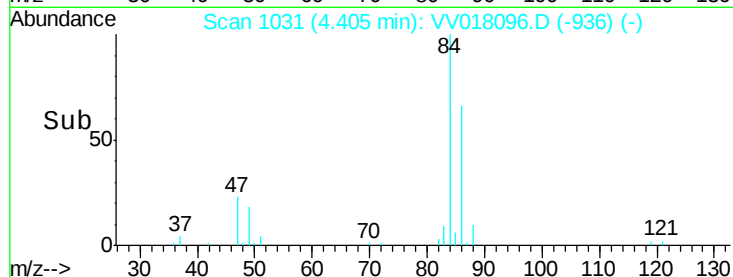
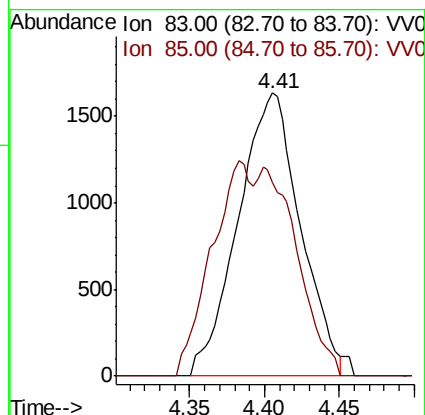
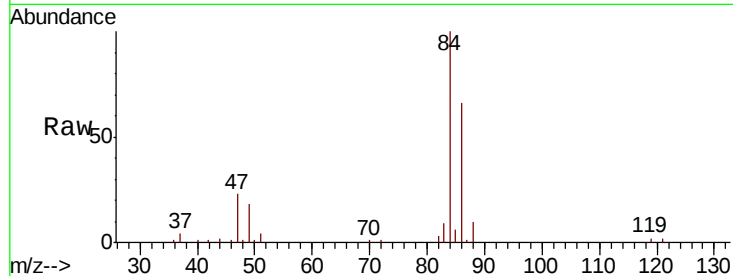
BG3F8

Tot Ion: 83 Resp: 4725

Ion Ratio Lower Upper

83 100

85 68.3 45.5 84.5



#34

Trichloroethene

Concen: 96.731 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

Tgt Ion: 95 Resp: 205401

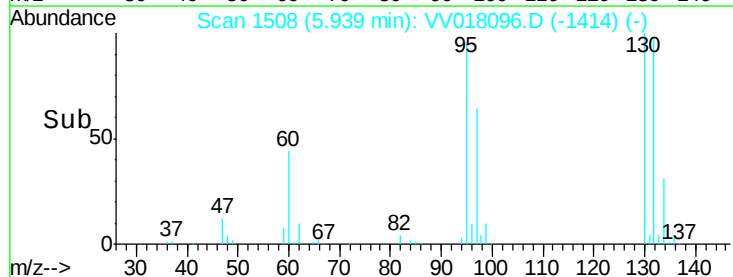
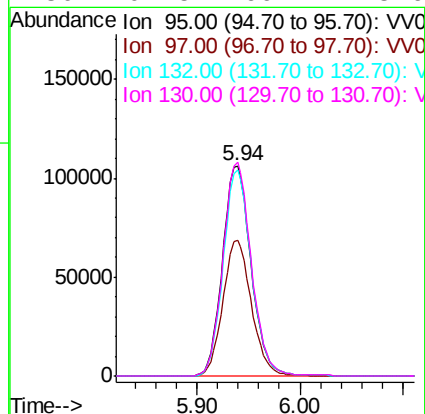
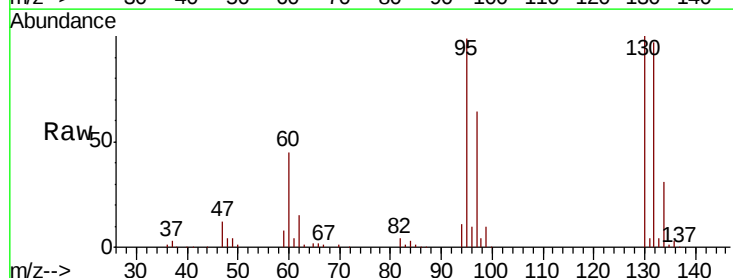
Ion Ratio Lower Upper

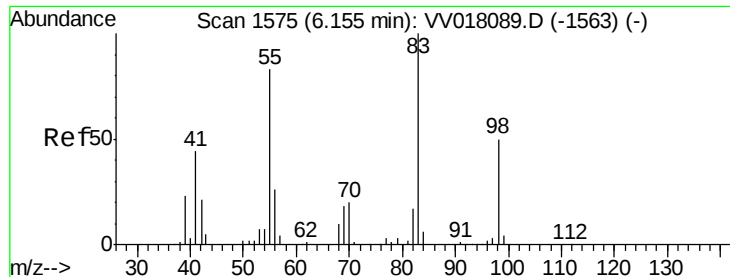
95 100

97 64.7 46.0 85.4

132 98.2 65.8 122.2

130 101.5 69.2 128.6

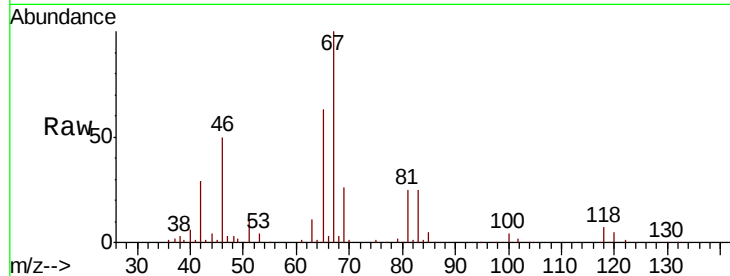




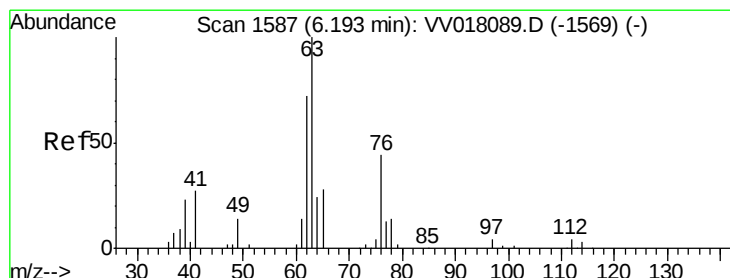
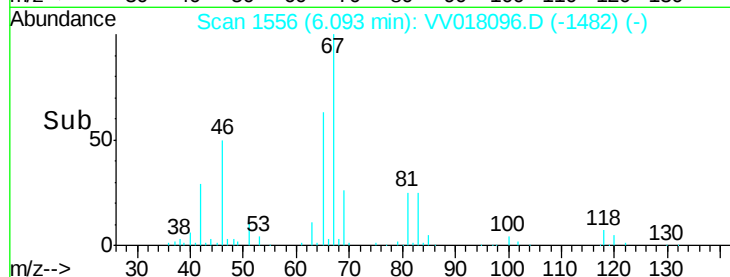
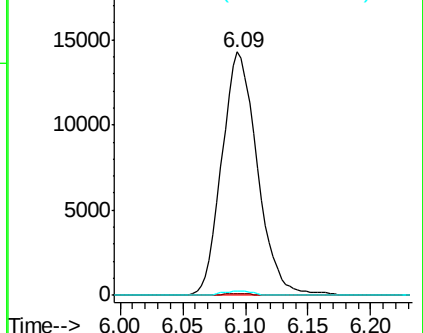
#35
Methvlcvclohexane
Concen: 8.918 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018096.D
Acq: 25 Aug 2020 17:59

Instrument :
MSVOA_V
ClientSampled :
BG3F8

Tot Ion: 83 Resp: 28159
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.4 38.7 58.1#

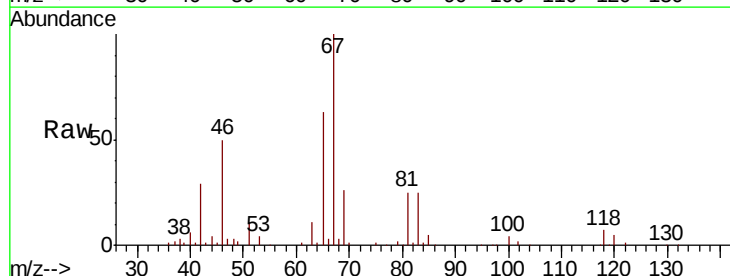


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

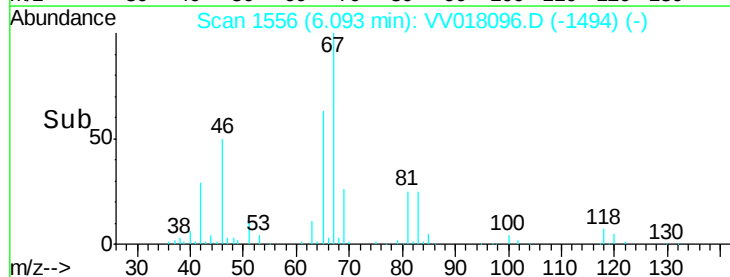
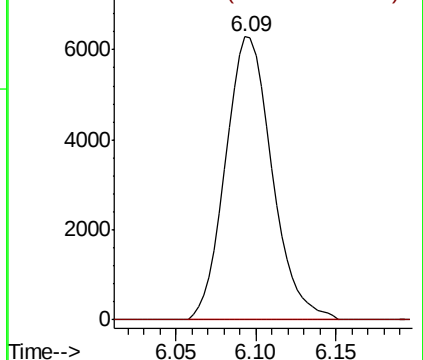


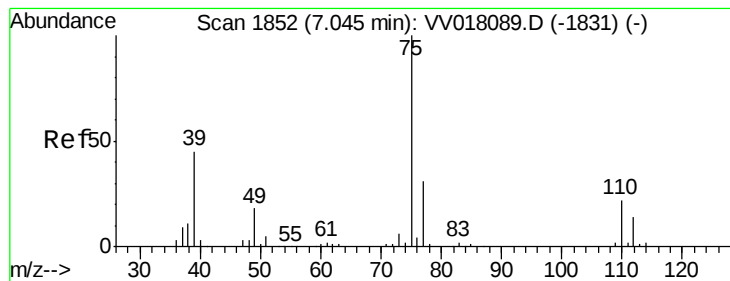
#37
1,2-Dichloropropane
Concen: 5.730 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018096.D
Acq: 25 Aug 2020 17:59

Tgt Ion: 63 Resp: 12553
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



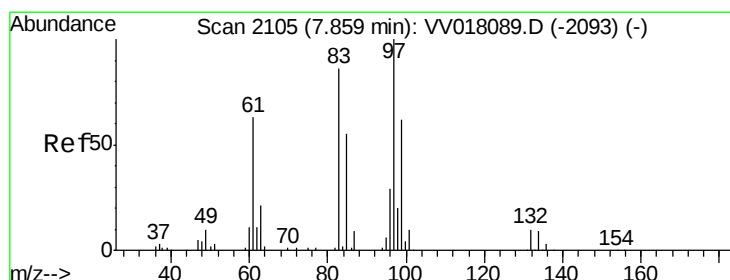
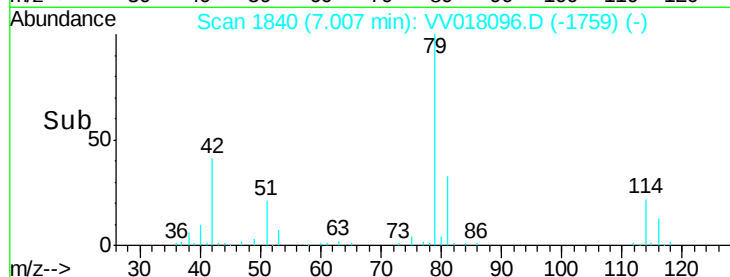
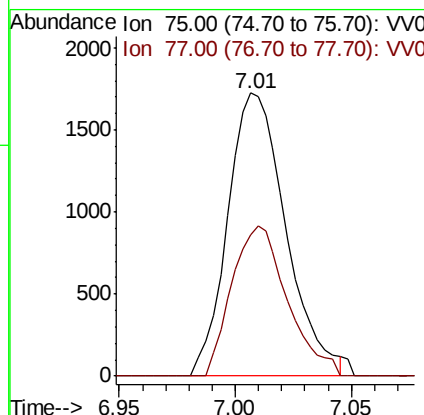
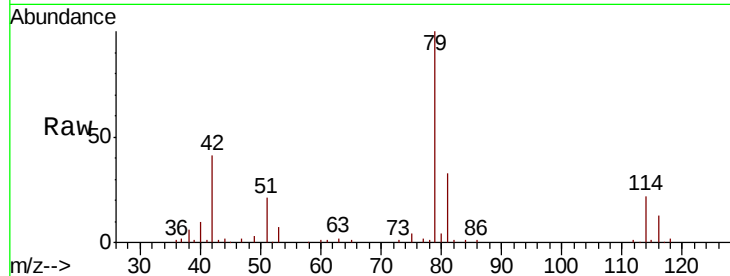


#39

cis-1,3-Dichloropropene
Concen: 0.966 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018096.D
Acq: 25 Aug 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
BG3F8

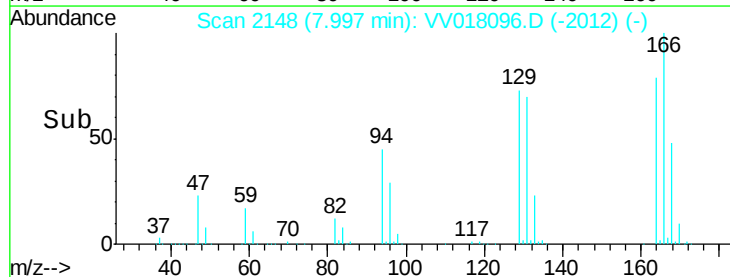
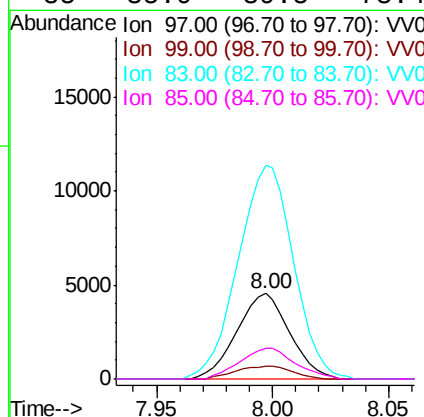
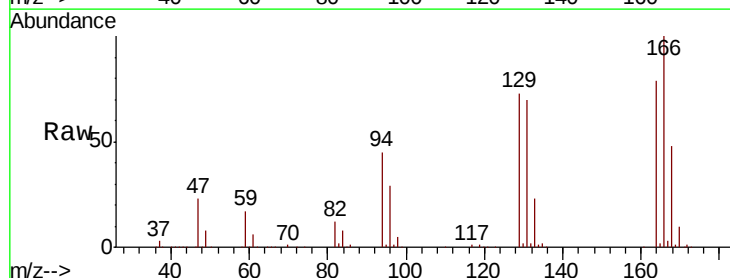
Tot Ion: 75 Resp: 2999
Ion Ratio Lower Upper
75 100
77 50.1 22.3 41.5#

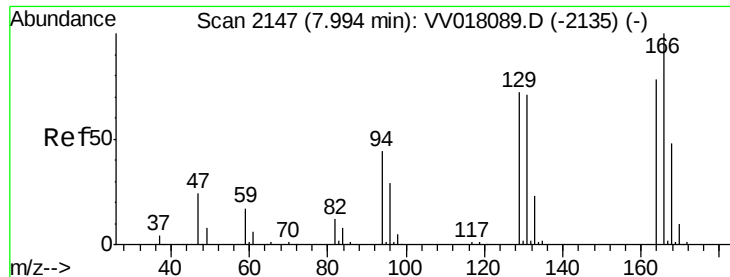


#45

1,1,2-Trichloroethane
Concen: 3.553 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.14 min
Lab File: VV018096.D
Acq: 25 Aug 2020 17:59

Tgt Ion: 97 Resp: 7208
Ion Ratio Lower Upper
97 100
99 14.5 44.2 82.2#
83 250.4 61.0 113.4#
85 35.9 39.5 73.4#





#46

Tetrachloroethene

Concen: 540.997 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018096.D

Acq: 25 Aug 2020 17:59

Instrument :

MSVOA_V

ClientSampled :

BG3F8

Tot Ion:164 Resp: 842501

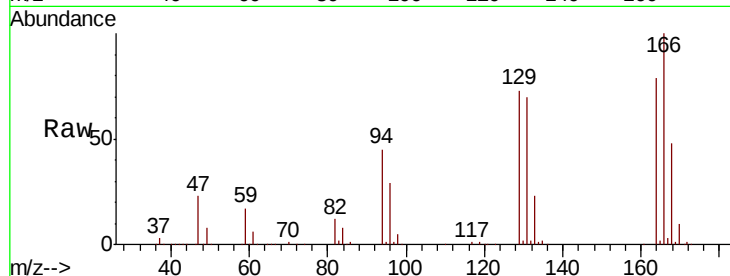
Ion Ratio Lower Upper

164 100

129 92.9 64.8 120.3

131 89.0 64.5 119.9

166 127.4 88.9 165.1

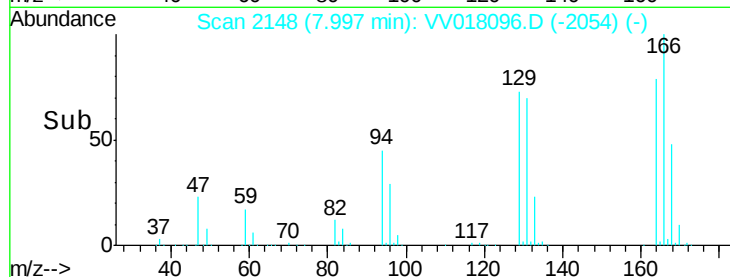


Abundance Ion 164.00 (163.70 to 164.70): V

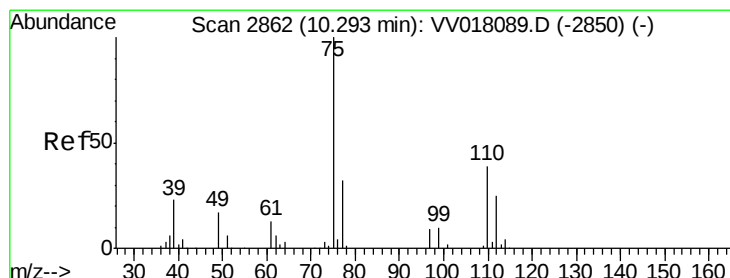
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 5.333 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018096.D

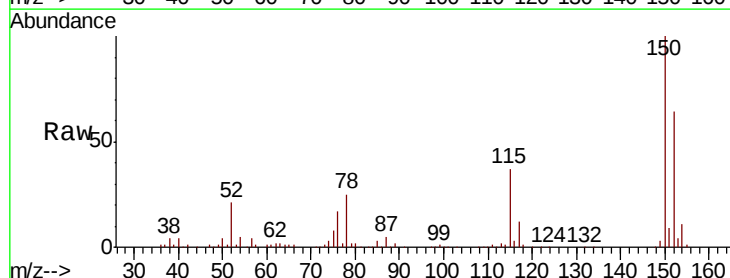
Acq: 25 Aug 2020 17:59

Tgt Ion: 75 Resp: 14429

Ion Ratio Lower Upper

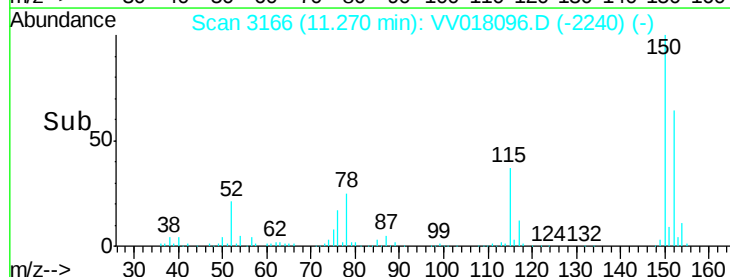
75 100

77 36.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->