

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017930.D
 Acq On : 12 Aug 2020 16:00
 Operator : SY/MD
 Sample : L3644-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L66

Quant Time: Aug 13 04:38:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	252662	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	245991	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107925	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	93387	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.88%
7) Chloroethane-d5	1.57	69	75978	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.34%
11) 1,1-Dichloroethene-d2	2.12	63	132312	35.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	3.91	46	137580	108.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.96%
24) Chloroform-d	4.37	84	170083	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
26) 1,2-Dichloroethane-d4	5.06	65	116225	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.07	84	339277	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
36) 1,2-Dichloropropane-d6	6.09	67	112599	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.60%
41) Toluene-d8	7.34	98	297154	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%
43) trans-1,3-Dichloropropene-	7.64	79	48975	48.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.44%
47) 2-Hexanone-d5	8.11	63	72776	102.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	140798	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	115397	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%

Target Compounds

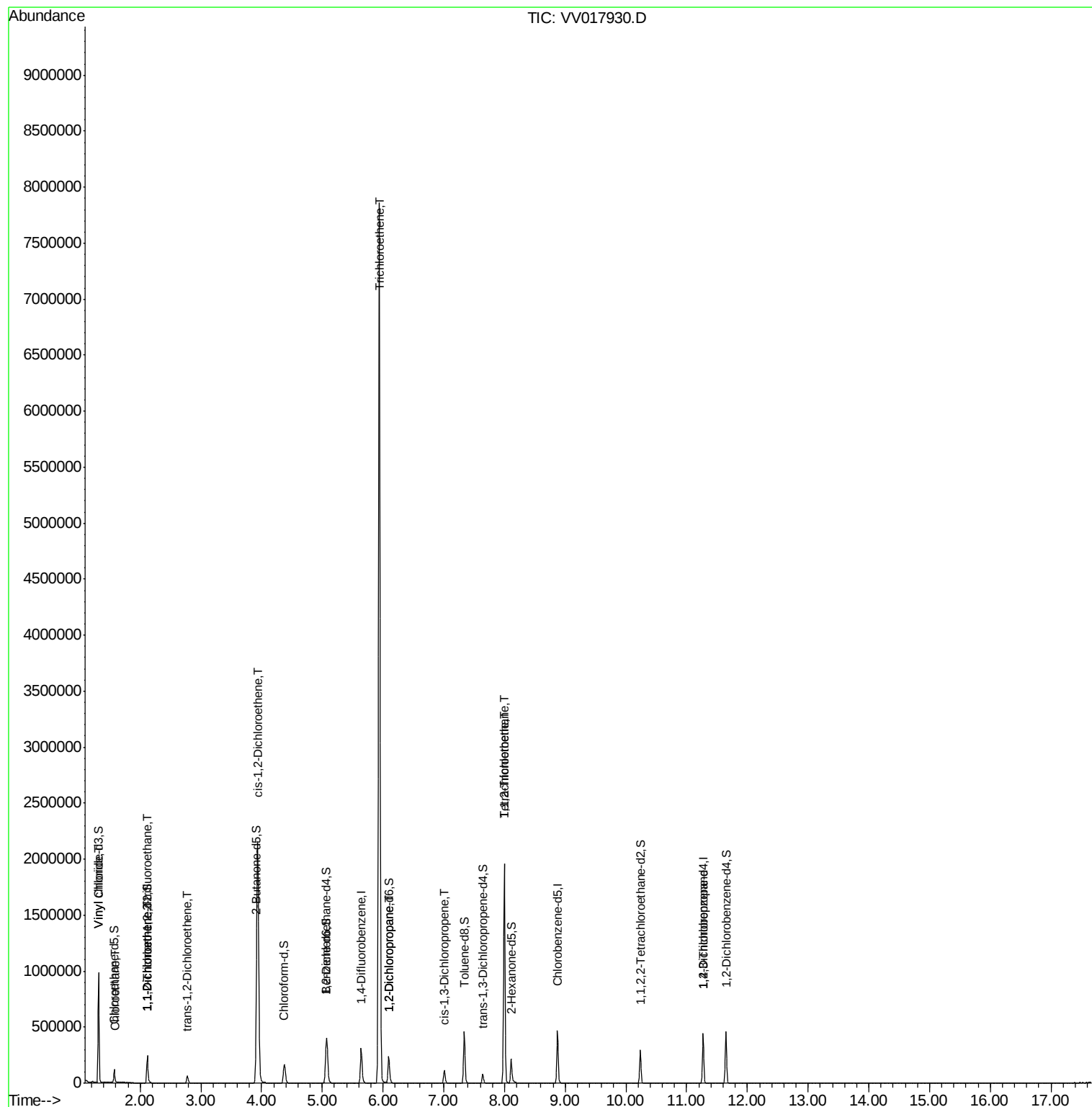
					Ovalue
5) Vinyl chloride	1.32	62	522738	232.840	ug/L 100
8) Chloroethane	1.59	64	1424	0.994	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1220	0.681	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	2354	1.389	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	23001	13.202	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	1163043	607.485	ug/L 99
34) Trichloroethene	5.94	95	2700917	1342.609	ug/L 99
37) 1,2-Dichloropropane	6.09	63	12237	5.896	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	2861	0.972	ug/L # 54
45) 1,1,2-Trichloroethane	8.00	97	3732	1.942	ug/L # 5
46) Tetrachloroethene	8.00	164	427489	289.752	ug/L 99
59) 1,2,3-Trichloropropane	11.27	75	13377	5.219	ug/L 91

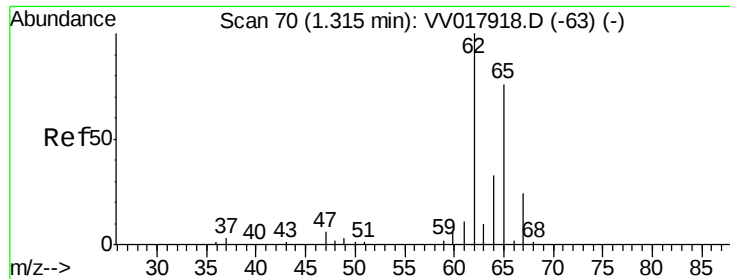
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 232.840 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

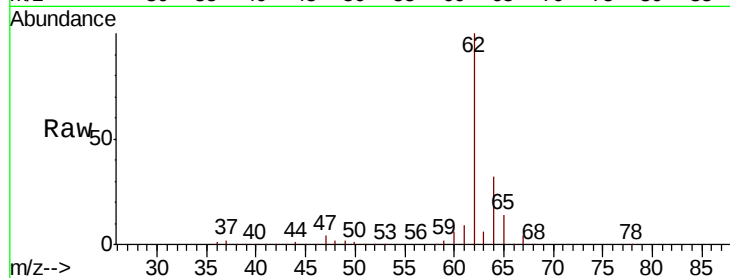
F2L66

Tot Ion: 62 Resp: 522738

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

600000

500000

400000

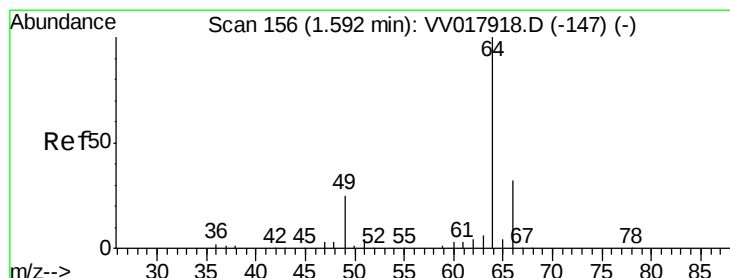
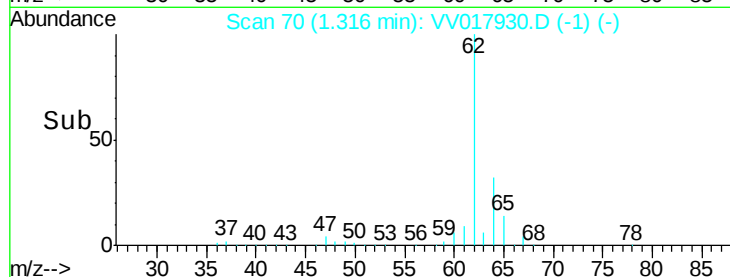
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 0.994 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017930.D

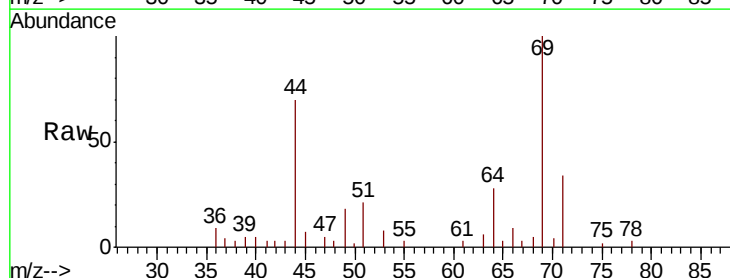
Acq: 12 Aug 2020 16:00

Tgt Ion: 64 Resp: 1424

Ion Ratio Lower Upper

64 100

66 31.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

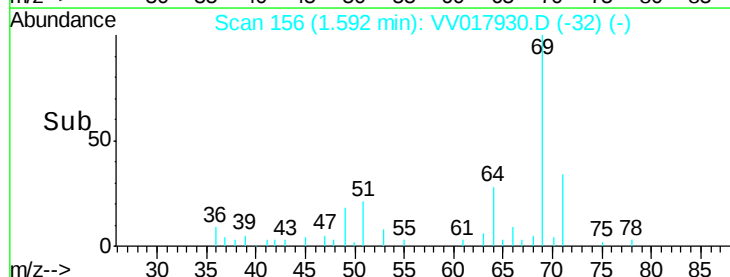
1500

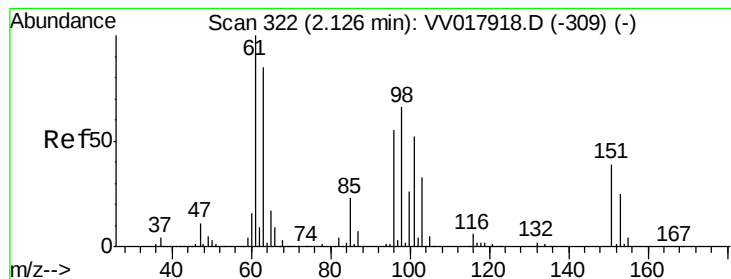
1000

500

0

Time-->





#10

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

Concen: 0.681 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

F2L66

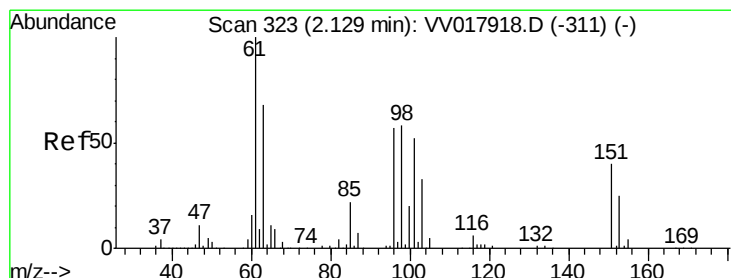
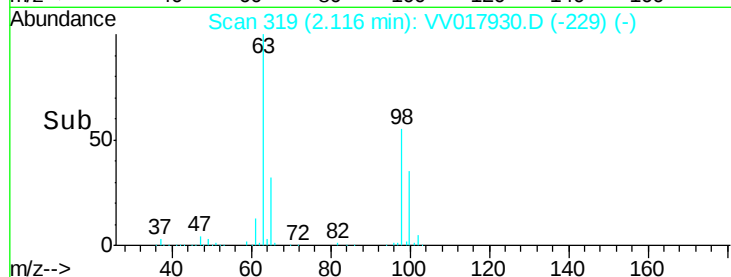
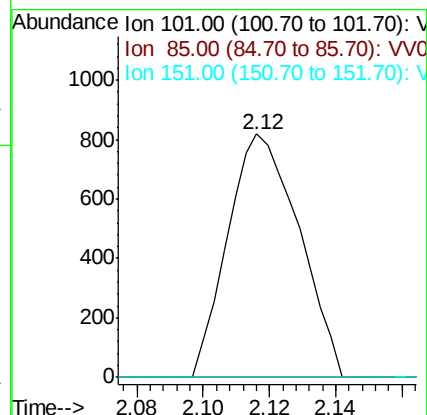
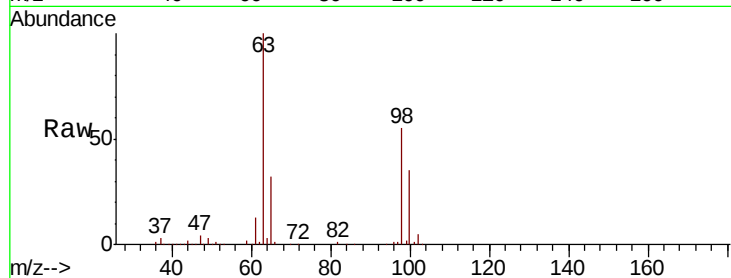
Tot Ion:101 Resp: 1220

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 1.389 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

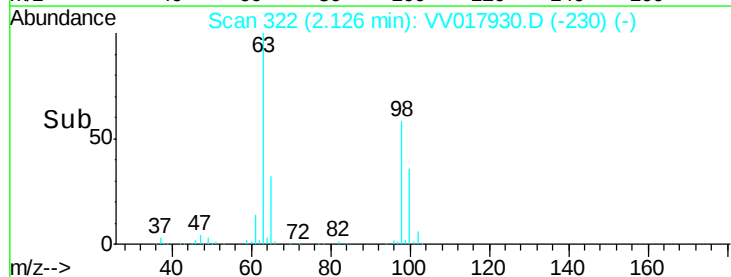
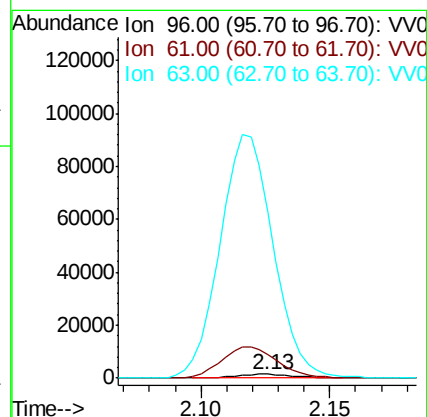
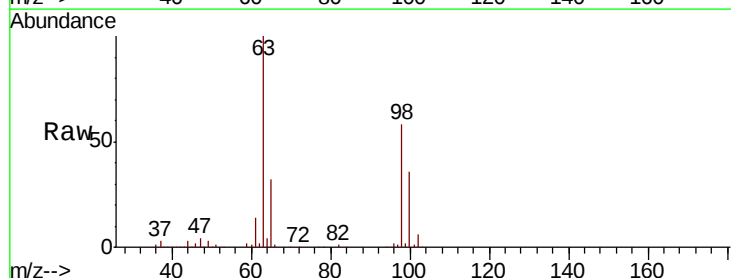
Tgt Ion: 96 Resp: 2354

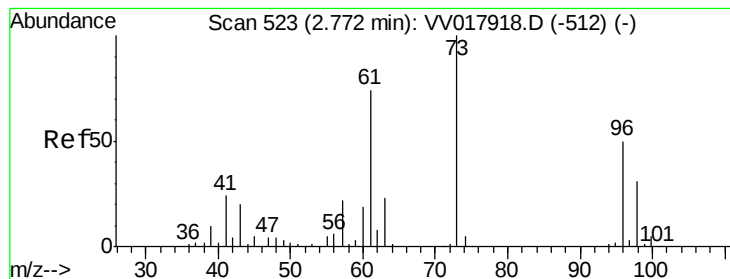
Ion Ratio Lower Upper

96 100

61 598.2 127.1 236.0#

63 4195.1 95.2 176.8#





#17

trans-1,2-Dichloroethene

Concen: 13.202 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampleId :

F2L66

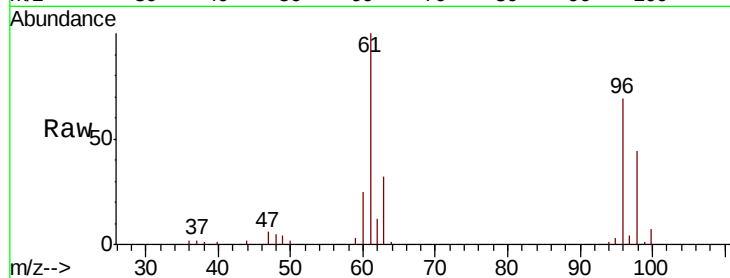
Tot Ion: 96 Resp: 23001

Ion Ratio Lower Upper

96 100

61 145.2 102.4 190.2

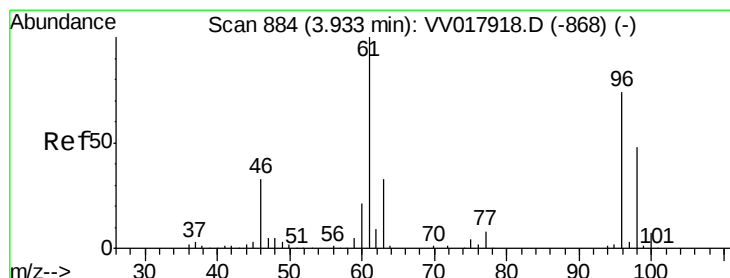
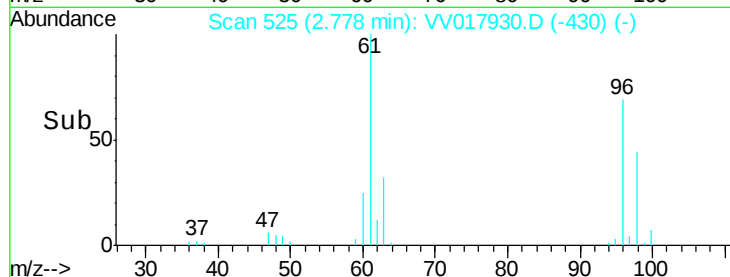
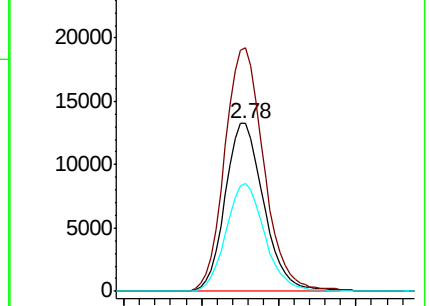
98 64.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV017918.D (-512) (-)



#20

cis-1,2-Dichloroethene

Concen: 607.485 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

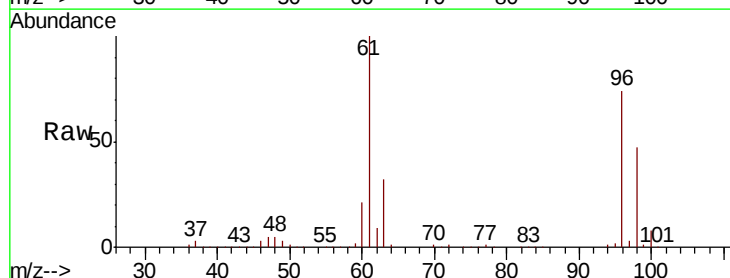
Tgt Ion: 96 Resp: 1163043

Ion Ratio Lower Upper

96 100

61 134.2 95.0 176.4

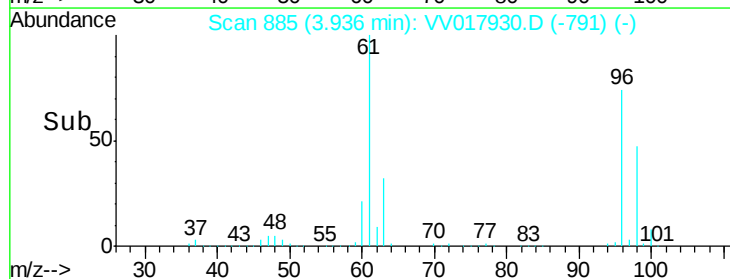
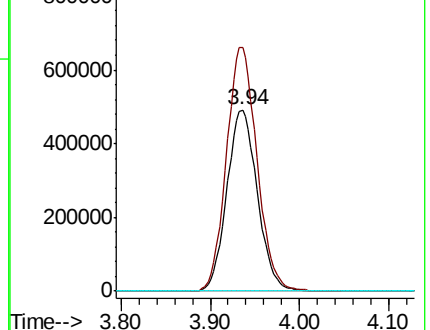
68 0.0 0.0 0.0

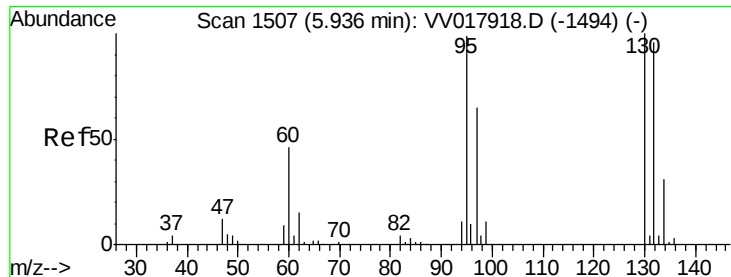


Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV017918.D (-868) (-)





#34

Trichloroethene

Concen: 1342.609 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

F2L66

Tot Ion: 95 Resp: 2700917

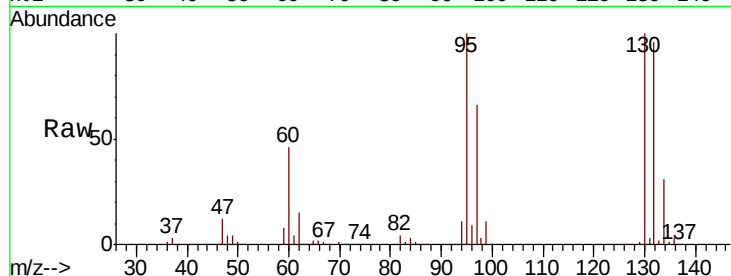
Ion Ratio Lower Upper

95 100

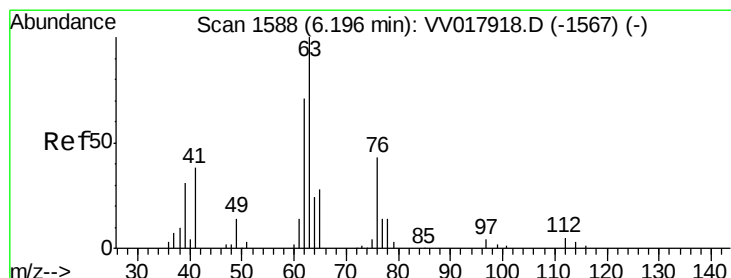
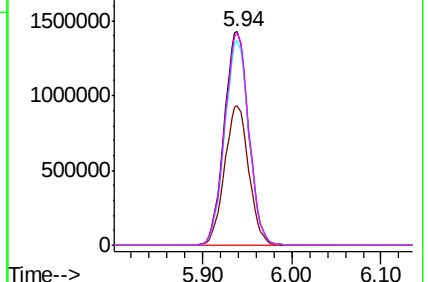
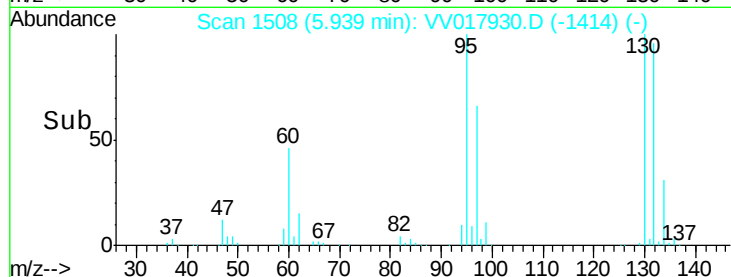
97 65.6 46.0 85.4

132 96.1 65.8 122.2

130 99.5 69.2 128.6



Abundance Ion 95.00 (94.70 to 95.70): VV017918.D (-1494) (-)



#37

1,2-Dichloropropane

Concen: 5.896 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017930.D

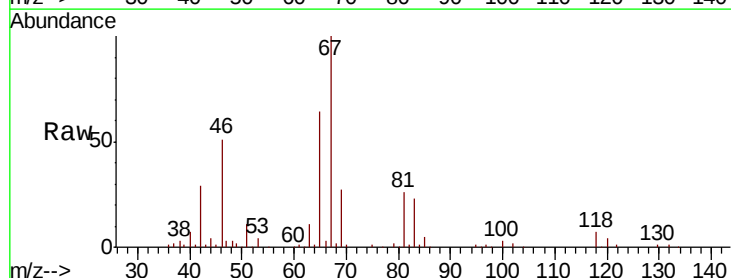
Acq: 12 Aug 2020 16:00

Tgt Ion: 63 Resp: 12237

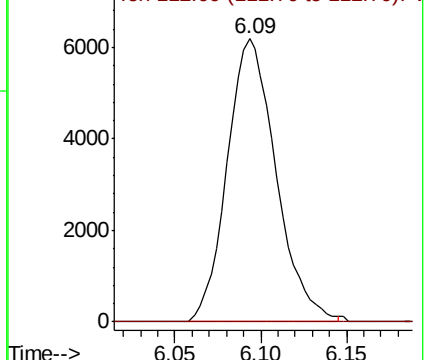
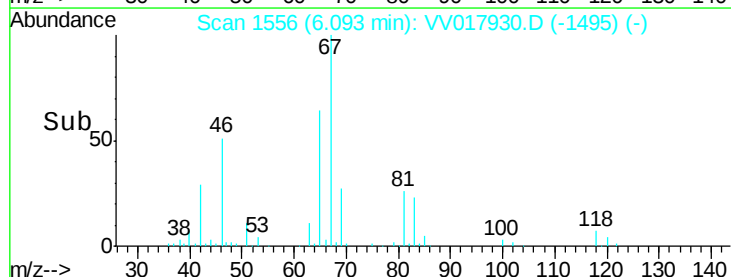
Ion Ratio Lower Upper

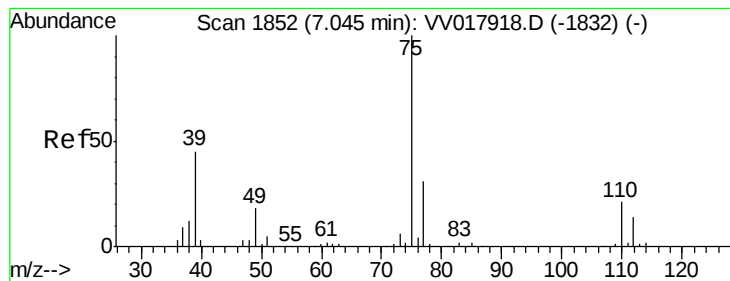
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017918.D (-1567) (-)



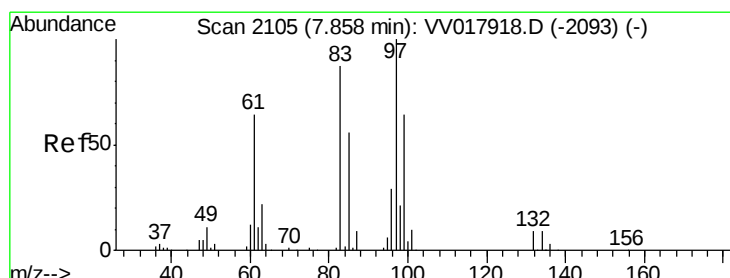
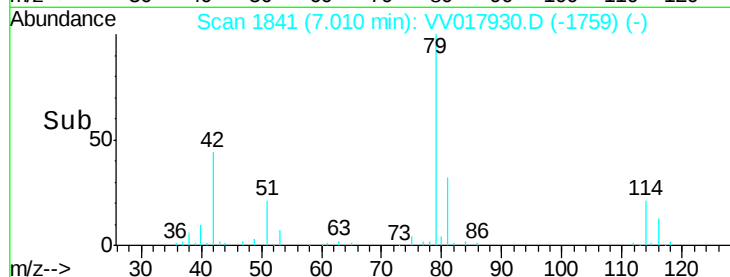
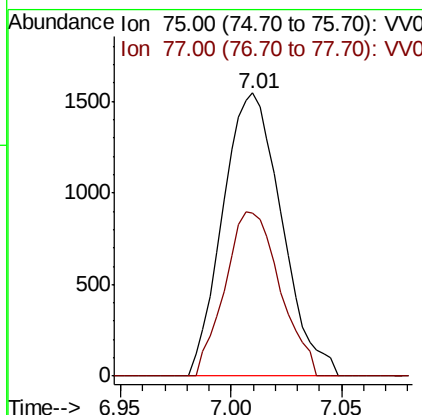
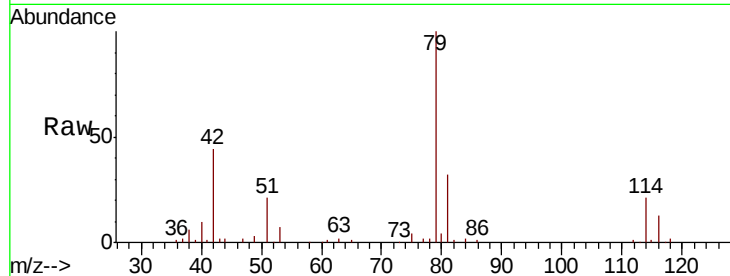


#39

cis-1,3-Dichloropropene
 Concen: 0.972 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017930.D
 Acq: 12 Aug 2020 16:00

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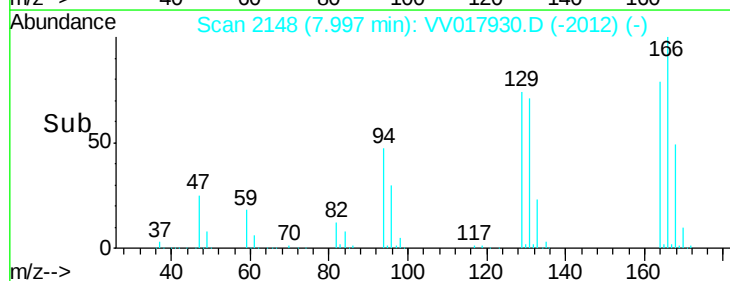
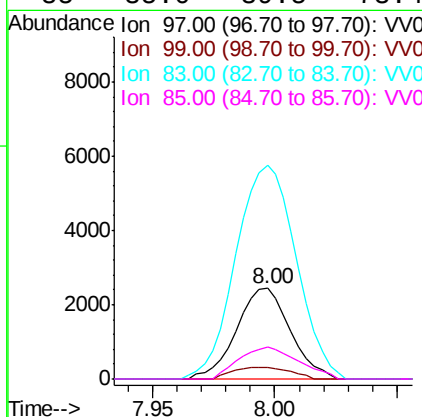
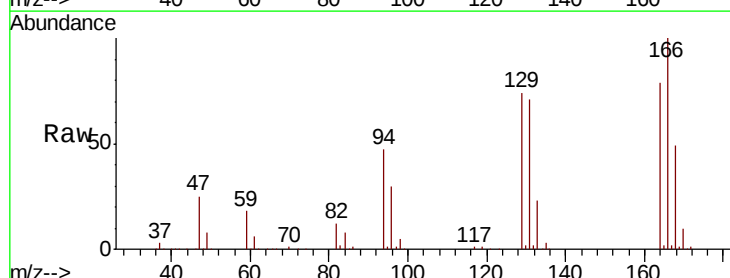
Tot Ion: 75 Resp: 2861
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.3 41.5#

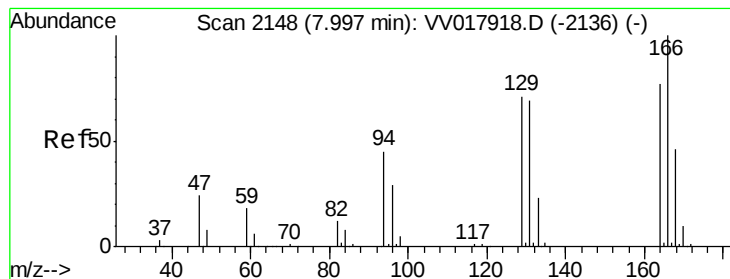


#45

1,1,2-Trichloroethane
 Concen: 1.942 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV017930.D
 Acq: 12 Aug 2020 16:00

Tgt Ion: 97 Resp: 3732
 Ion Ratio Lower Upper
 97 100
 99 13.3 44.2 82.2#
 83 236.2 61.0 113.4#
 85 35.0 39.5 73.4#





#46

Tetrachloroethene

Concen: 289.752 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017930.D

Acq: 12 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampleId :

F2L66

Tot Ion:164 Resp: 427489

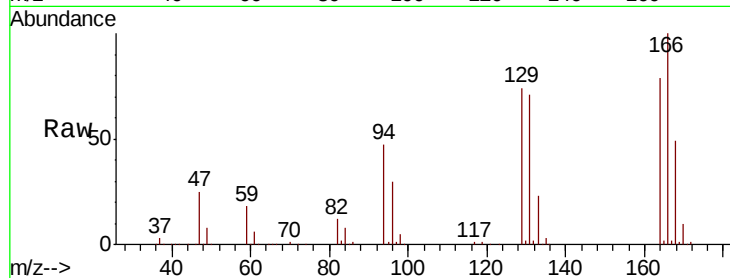
Ion Ratio Lower Upper

164 100

129 93.5 64.8 120.3

131 90.0 64.5 119.9

166 126.3 88.9 165.1

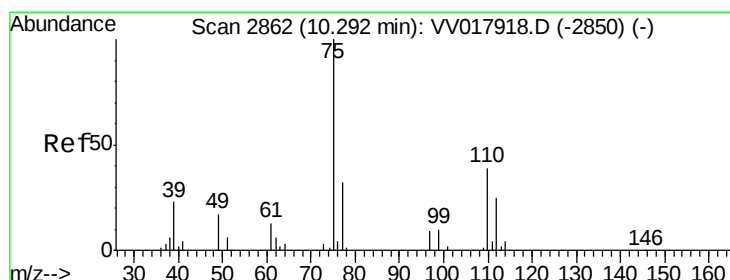
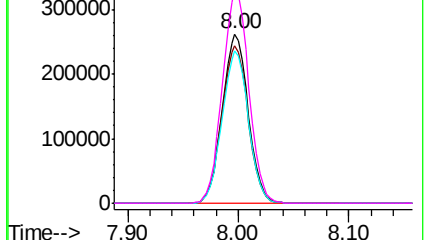
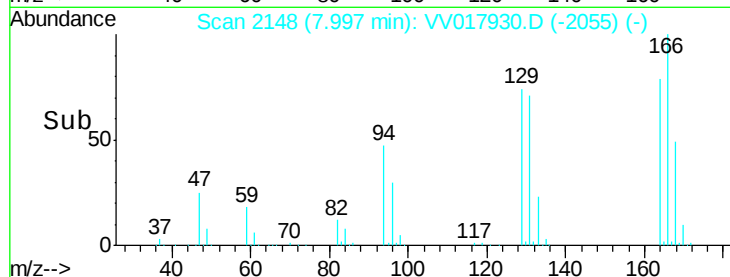


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.219 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017930.D

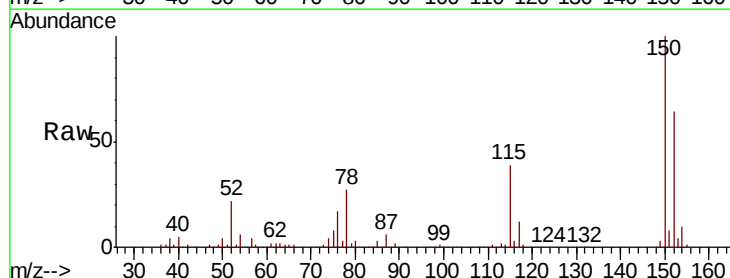
Acq: 12 Aug 2020 16:00

Tgt Ion: 75 Resp: 13377

Ion Ratio Lower Upper

75 100

77 37.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

