

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018550.D
 Acq On : 30 Sep 2020 04:54
 Operator : SY/MD
 Sample : L4165-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA8

Quant Time: Sep 30 06:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 04:50:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352842	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174103	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88986	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	86645	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.28%
11) 1,1-Dichloroethene-d2	2.12	63	151501	35.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.86%
21) 2-Butanone-d5	3.92	46	150908	97.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.77%
24) Chloroform-d	4.38	84	203587	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.06	65	136454	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.07	84	409786	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.66%
36) 1,2-Dichloropropane-d6	6.10	67	131611	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.54%
41) Toluene-d8	7.34	98	377680	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	7.64	79	62276	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.20%
47) 2-Hexanone-d5	8.11	63	96353	95.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	167808	47.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	166057	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

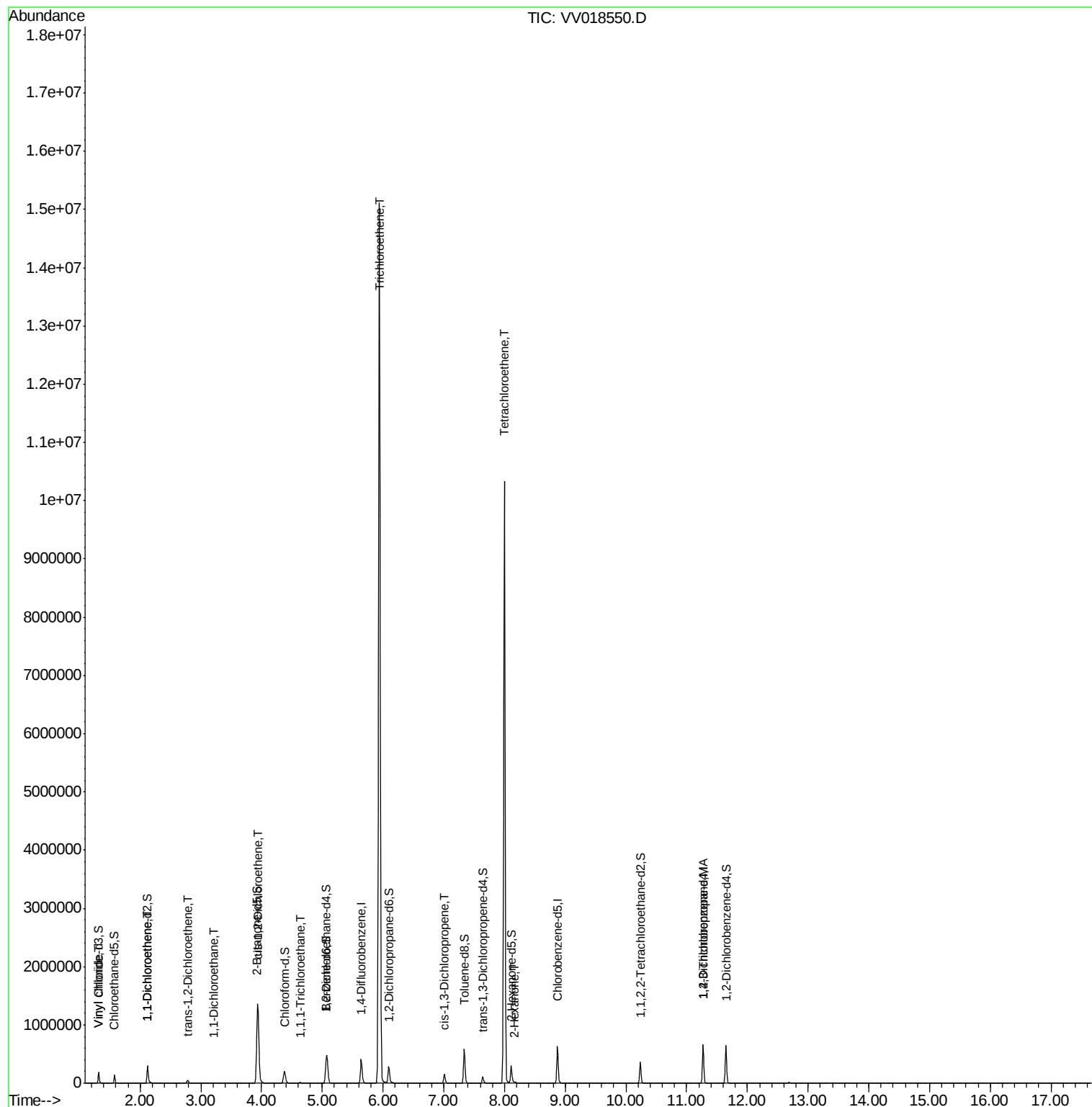
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	29290	10.852	ug/L	95
12) 1,1-Dichloroethene	2.13	96	8142	3.697	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	16867	6.692	ug/L	97
19) 1,1-Dichloroethane	3.22	63	3955	0.896	ug/L #	92
20) cis-1,2-Dichloroethene	3.94	96	746033	278.522	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	7509	1.751	ug/L #	68
34) Trichloroethene	5.94	95	5183628	1759.088	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	4196	1.027	ug/L #	75
46) Tetrachloroethene	8.00	164	2326556	973.188	ug/L	98
48) 2-Hexanone	8.17	43	5232	1.996	ug/L #	40
59) 1,2,3-Trichloropropane	11.27	75	18877	5.959	ug/L #	86

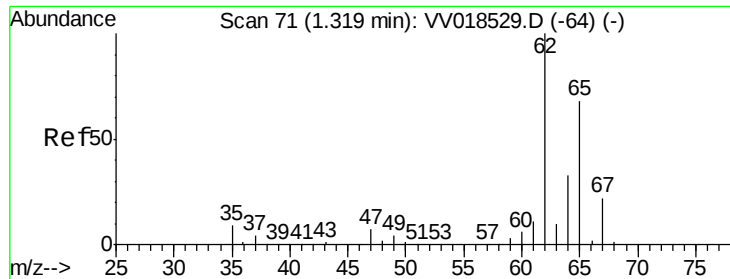
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 04:50:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.852 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

Instrument :

MSVOA_V

ClientSampleId :

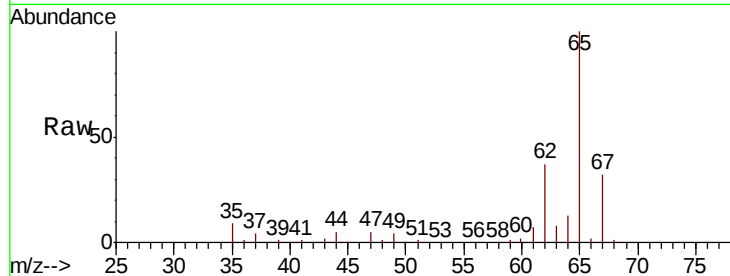
C0AA8

Tot Ion: 62 Resp: 29290

Ion Ratio Lower Upper

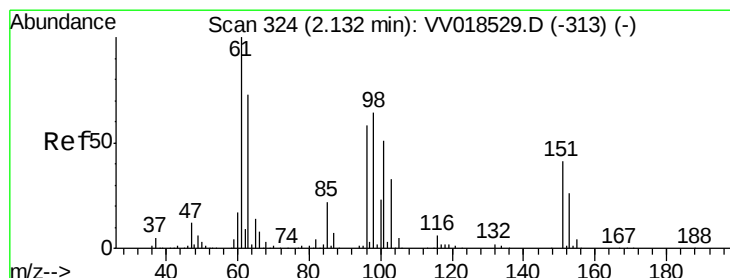
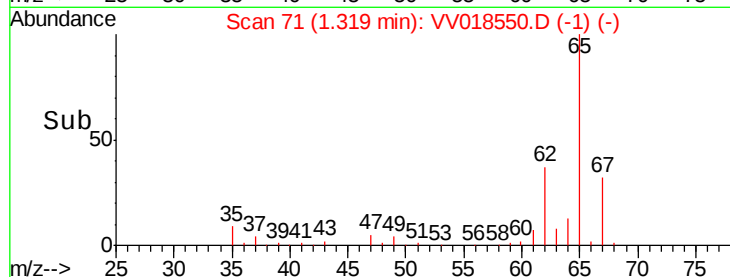
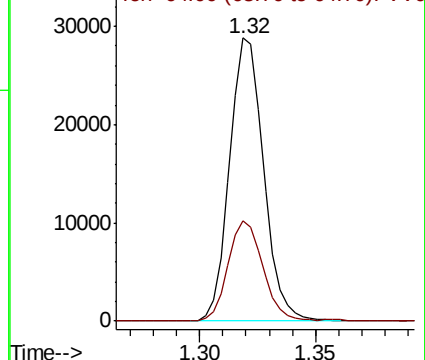
62 100

64 35.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 3.697 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

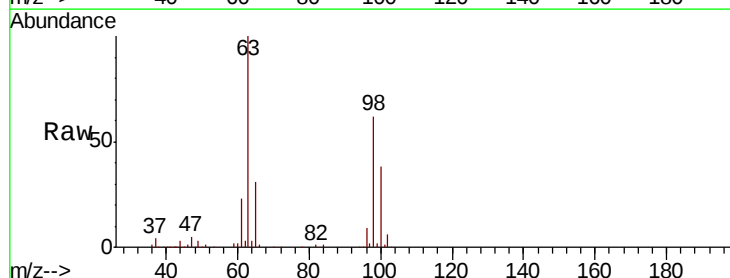
Tgt Ion: 96 Resp: 8142

Ion Ratio Lower Upper

96 100

61 270.4 122.8 228.1#

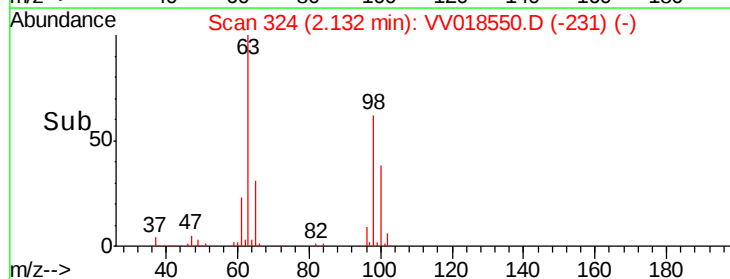
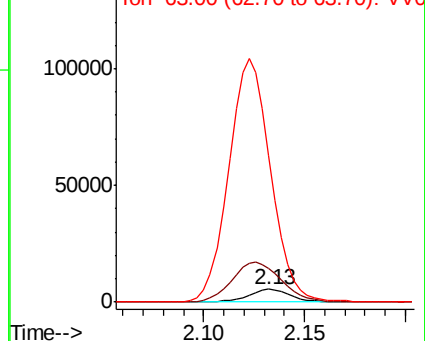
63 1160.2 91.9 170.7#

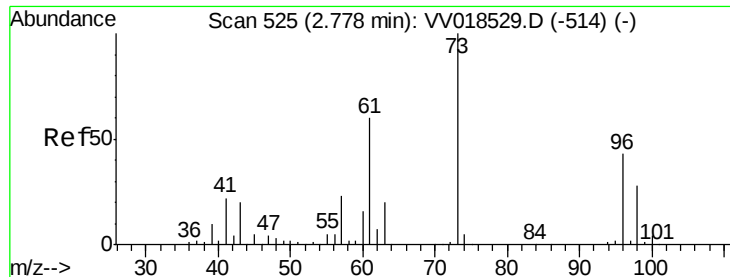


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

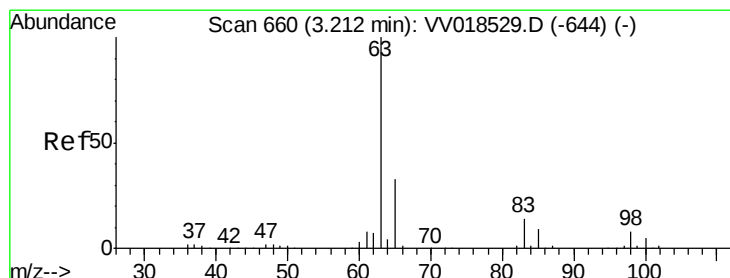
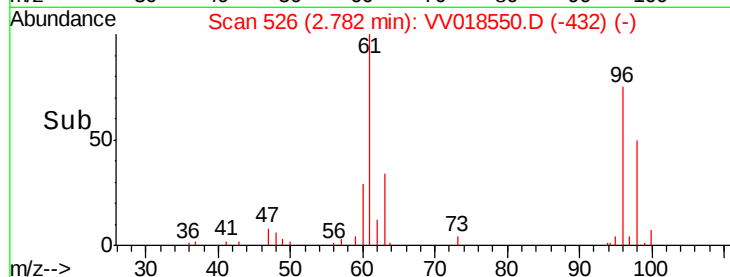
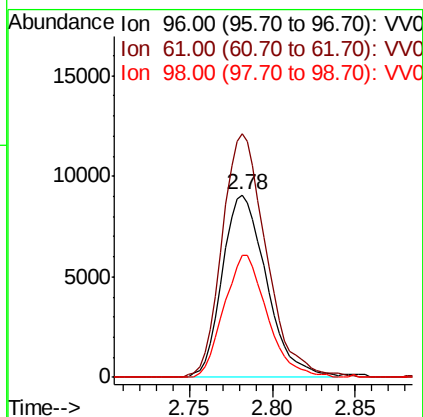
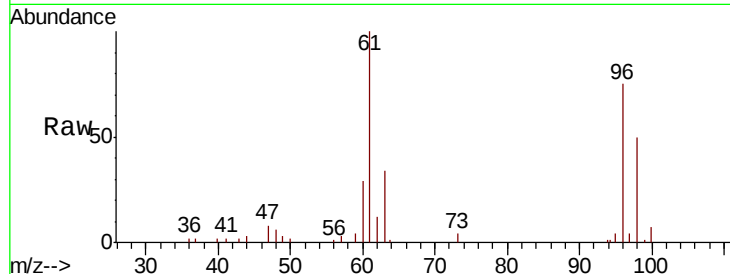




#17
trans-1,2-Dichloroethene
Concen: 6.692 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018550.D
Acq: 30 Sep 2020 04:54

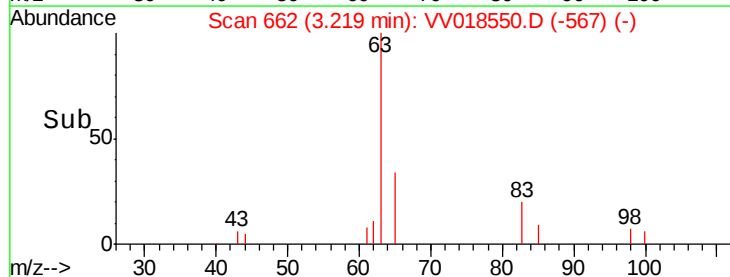
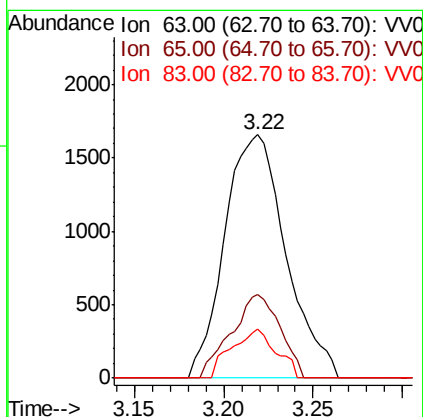
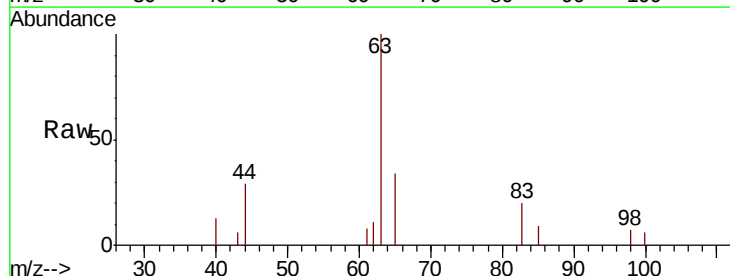
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

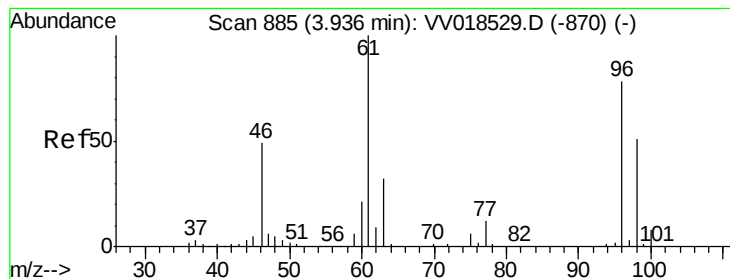
Tot Ion: 96 Resp: 16867
Ion Ratio Lower Upper
96 100
61 133.4 95.0 176.4
98 66.7 44.6 82.8



#19
1,1-Dichloroethane
Concen: 0.896 ug/L
RT: 3.22 min Scan# 662
Delta R.T. 0.01 min
Lab File: VV018550.D
Acq: 30 Sep 2020 04:54

Tgt Ion: 63 Resp: 3955
Ion Ratio Lower Upper
63 100
65 34.2 22.3 41.3
83 19.9 9.3 17.3#



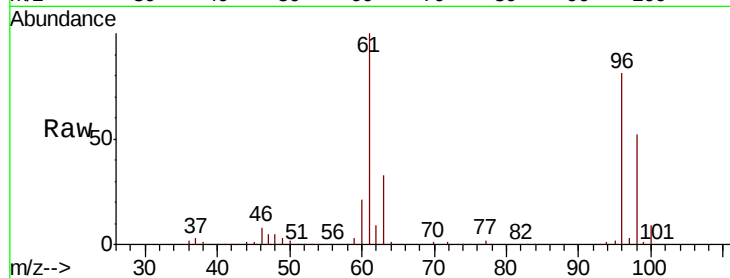


#20

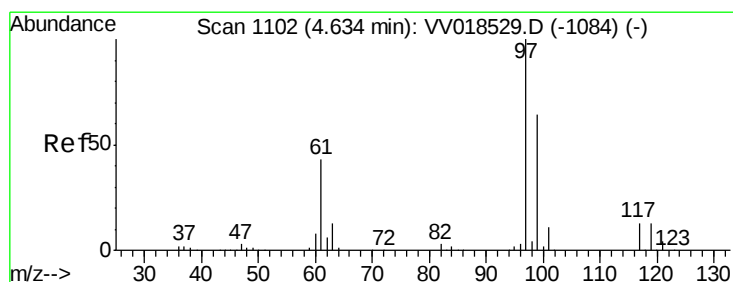
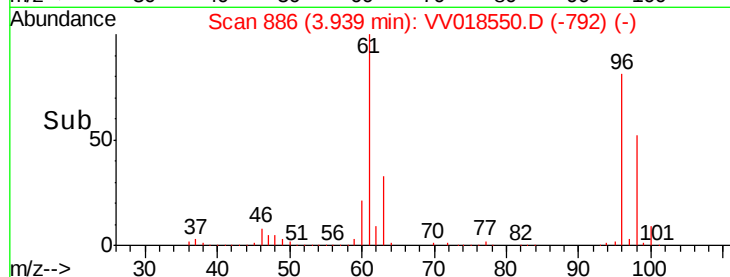
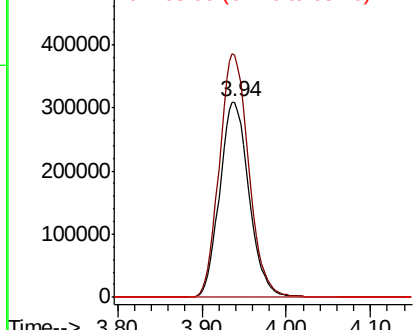
cis-1,2-Dichloroethene
Concen: 278.522 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018550.D
Acq: 30 Sep 2020 04:54

Instrument :
MSVOA_V
ClientSampled :
C0AA8

Tot Ion: 96 Resp: 746033
Ion Ratio Lower Upper
96 100
61 124.0 86.8 161.2
68 0.0 0.0 0.0



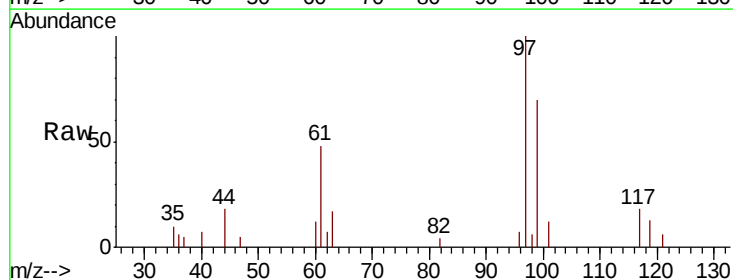
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



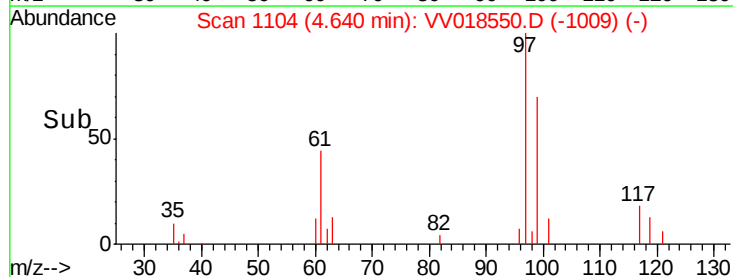
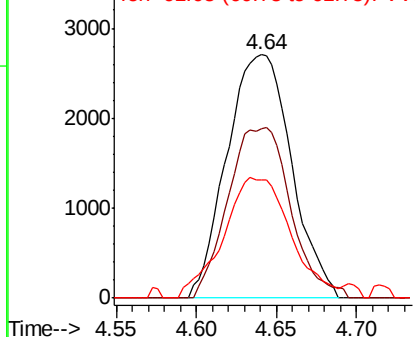
#30

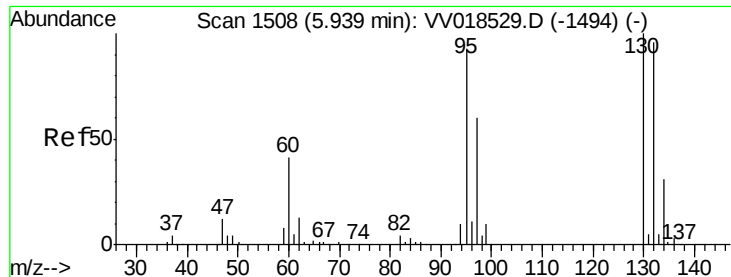
1,1,1-Trichloroethane
Concen: 1.751 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV018550.D
Acq: 30 Sep 2020 04:54

Tgt Ion: 97 Resp: 7509
Ion Ratio Lower Upper
97 100
99 32.6 51.4 77.0#
61 29.6 33.9 50.9#



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 1759.088 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

Instrument :

MSVOA_V

ClientSampleId :

C0AA8

Tot Ion: 95 Resp: 5183628

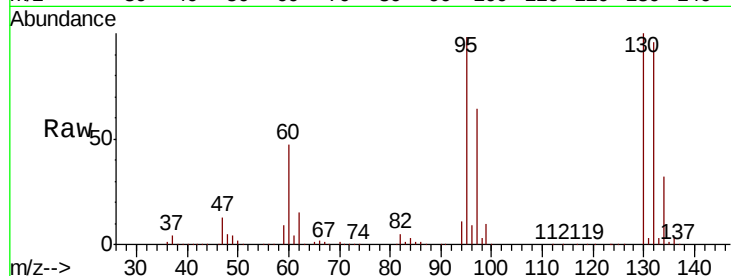
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 98.1 70.8 131.4

130 101.7 75.3 139.8



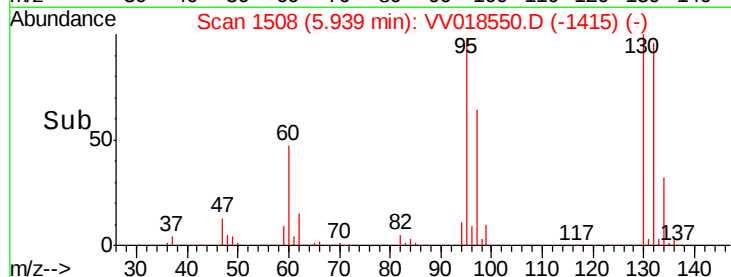
Abundance

Ion 95.00 (94.70 to 95.70): VV0

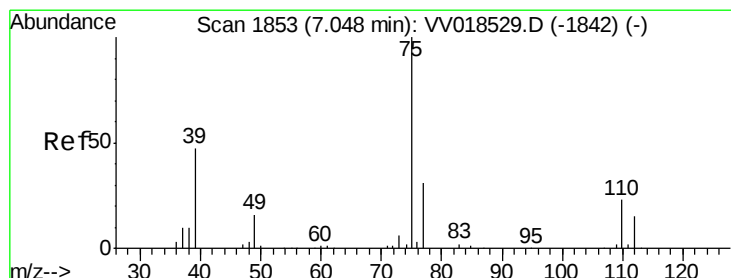
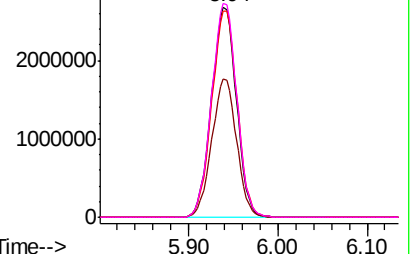
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.027 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018550.D

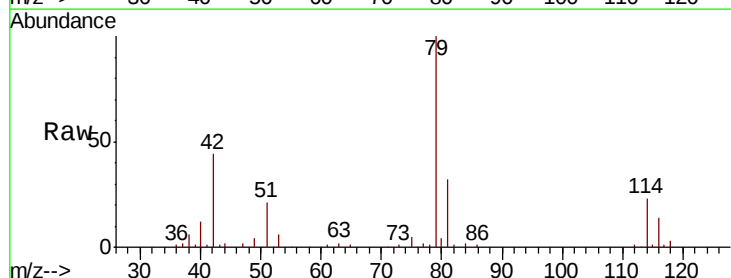
Acq: 30 Sep 2020 04:54

Tgt Ion: 75 Resp: 4196

Ion Ratio Lower Upper

75 100

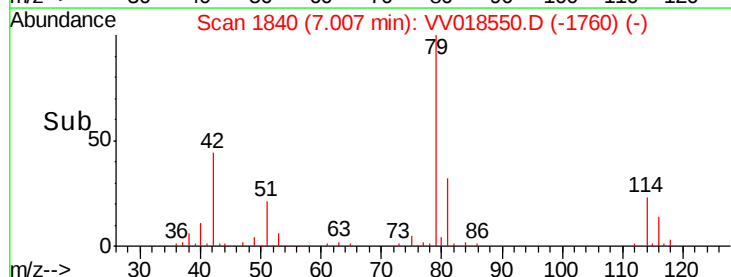
77 46.7 23.0 42.6#



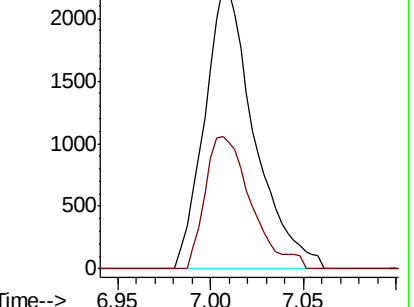
Abundance

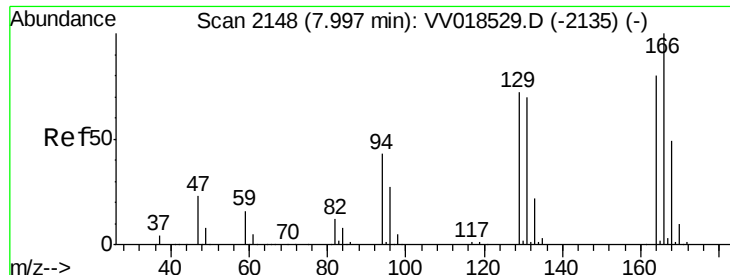
Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->





#46

Tetrachloroethene

Concen: 973.188 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

Instrument :
MSVOA_V
ClientSampleId :
C0AA8

Tot Ion:164 Resp: 2326556

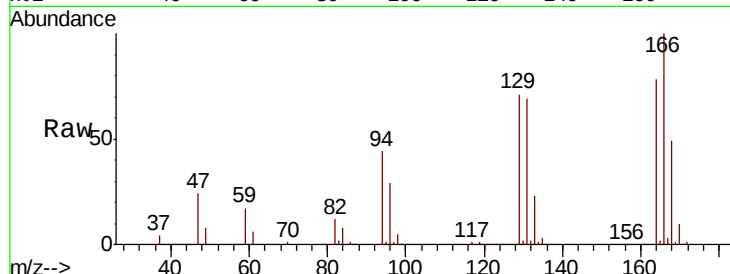
Ion Ratio Lower Upper

164 100

129 91.1 62.8 116.6

131 89.1 60.8 112.8

166 128.4 88.9 165.1

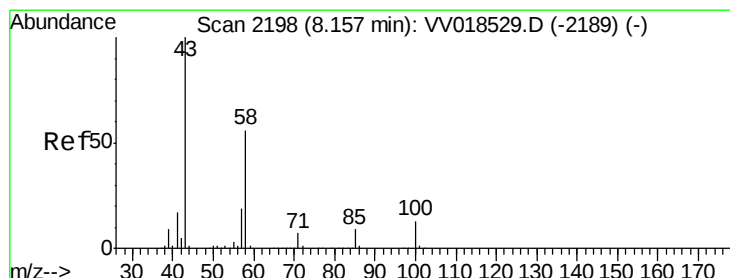
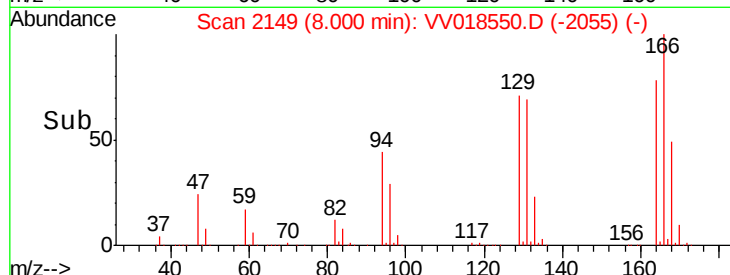
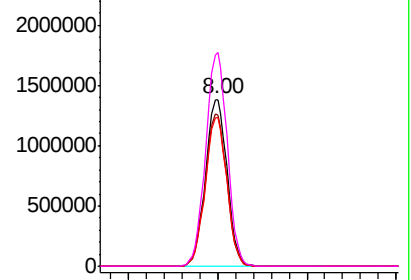


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 1.996 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

Tgt Ion: 43 Resp: 5232

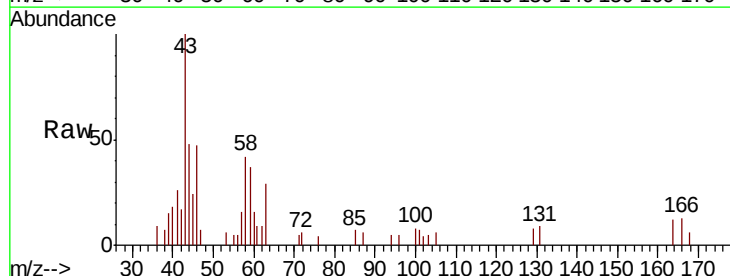
Ion Ratio Lower Upper

43 100

58 0.0 45.1 67.7#

57 0.9 15.7 23.5#

100 7.0 11.0 16.4#

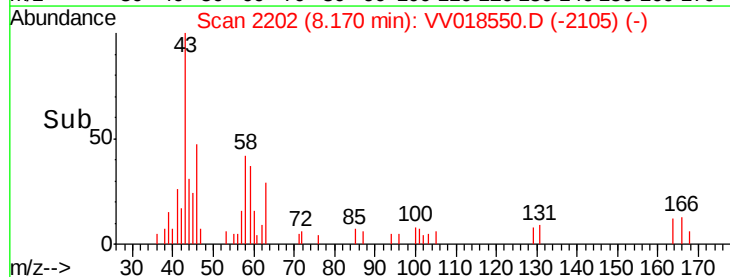
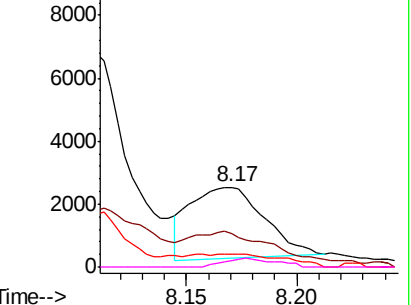


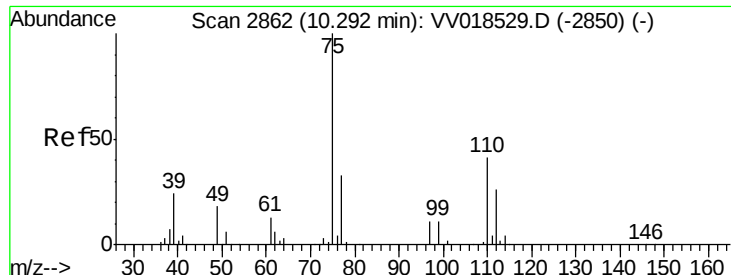
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 5.959 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018550.D

Acq: 30 Sep 2020 04:54

Instrument :

MSVOA_V

ClientSampleId :

C0AA8

Tot Ion: 75 Resp: 18877

Ion Ratio Lower Upper

75 100

77 39.2 25.4 38.0#

