

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018548.D
 Acq On : 30 Sep 2020 04:07
 Operator : SY/MD
 Sample : L4165-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Quant Time: Sep 30 04:54:37 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	357411	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347848	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90056	42.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.92%
7) Chloroethane-d5	1.58	69	88086	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.64%
11) 1,1-Dichloroethene-d2	2.12	63	148328	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
21) 2-Butanone-d5	3.92	46	154093	98.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.55%
24) Chloroform-d	4.38	84	206233	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.06	65	139566	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
32) Benzene-d6	5.08	84	418788	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
36) 1,2-Dichloropropane-d6	6.09	67	132105	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.24%
41) Toluene-d8	7.34	98	385219	46.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.94%
43) trans-1,3-Dichloropropene-	7.64	79	63343	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.08%
47) 2-Hexanone-d5	8.11	63	90822	89.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	158112	44.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	169871	50.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.56%

Target Compounds

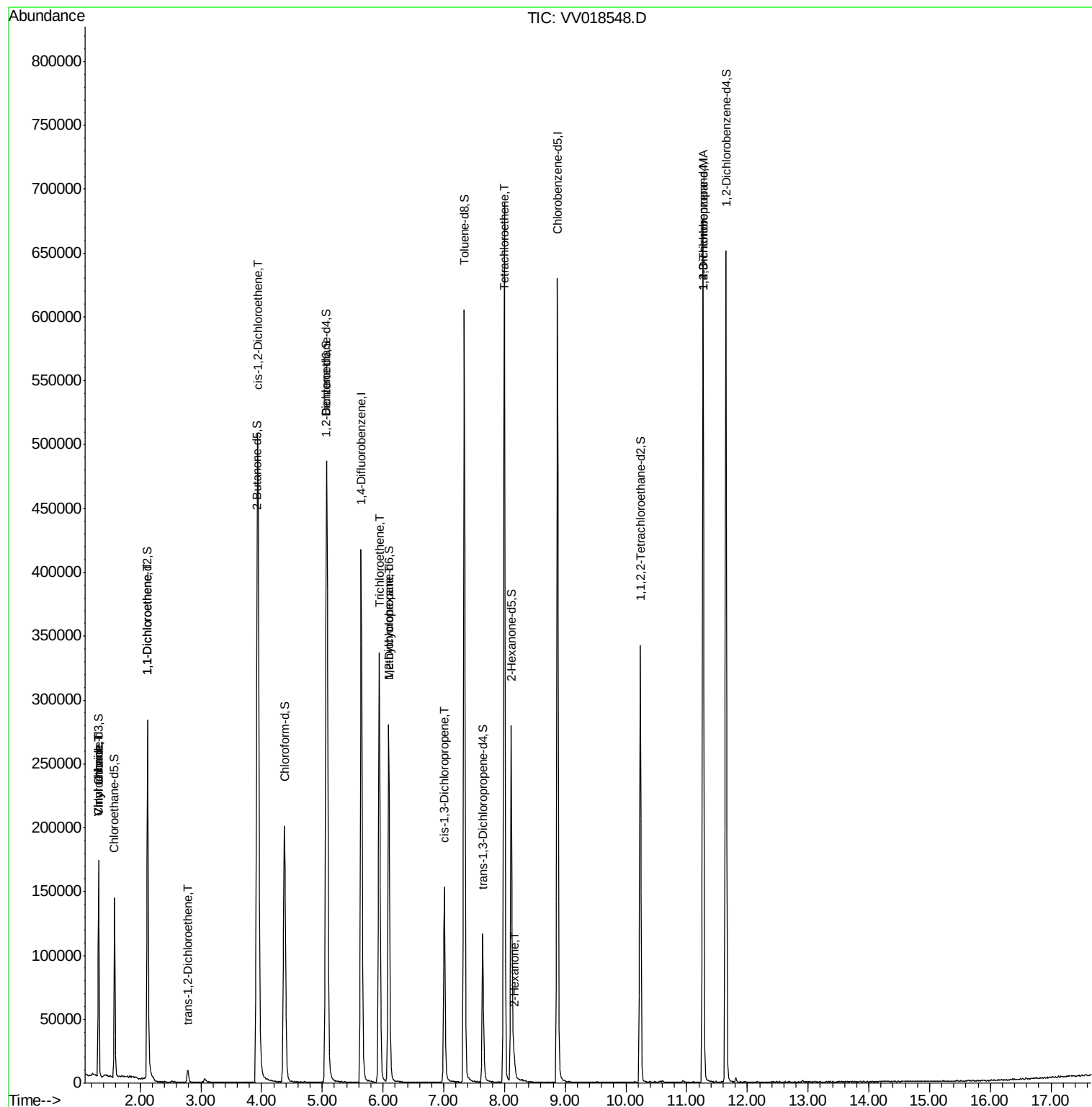
					Ovalue
5) Vinyl chloride	1.32	62	15194	5.558	ug/L 86
8) Chloroethane	1.32	64	6275	3.725	ug/L 96
12) 1,1-Dichloroethene	2.13	96	2204	0.988	ug/L # 1
17) trans-1,2-Dichloroethene	2.79	96	3642	1.427	ug/L 95
20) cis-1,2-Dichloroethene	3.94	96	262279	96.667	ug/L 98
34) Trichloroethene	5.94	95	111354	37.533	ug/L 99
35) Methylcyclohexane	6.09	83	31894	7.969	ug/L # 19
39) cis-1,3-Dichloropropene	7.01	75	3852	0.936	ug/L # 63
46) Tetrachloroethene	8.00	164	153654	63.838	ug/L 99
48) 2-Hexanone	8.16	43	8171	3.095	ug/L # 70
59) 1,2,3-Trichloropropane	11.27	75	19477	6.107	ug/L 90

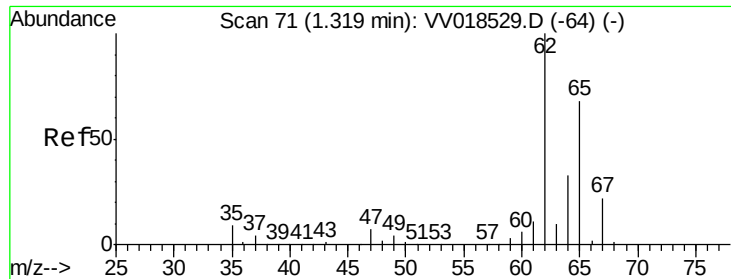
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 30 04:54:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 04:50:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.558 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

Instrument :

MSVOA_V

ClientSampleId :

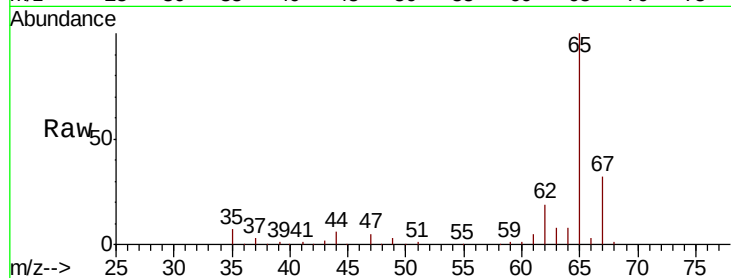
C0AA6

Tot Ion: 62 Resp: 15194

Ion Ratio Lower Upper

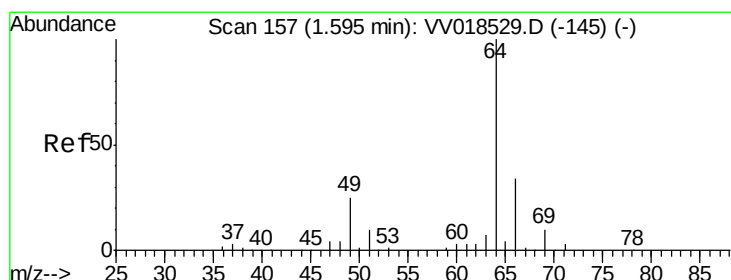
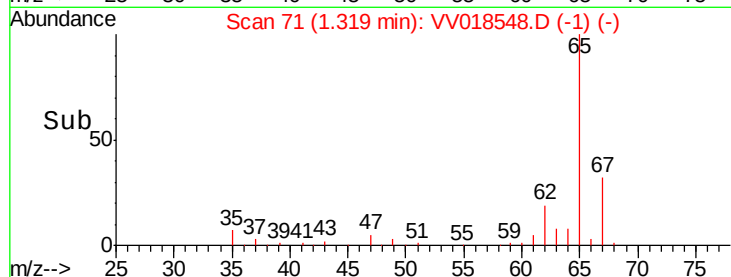
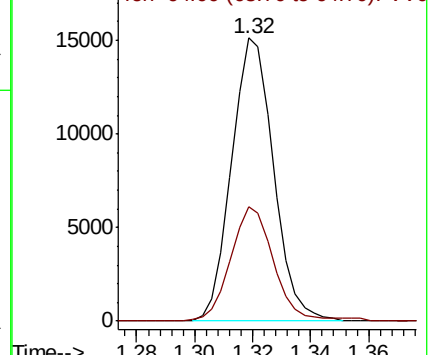
62 100

64 40.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 3.725 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018548.D

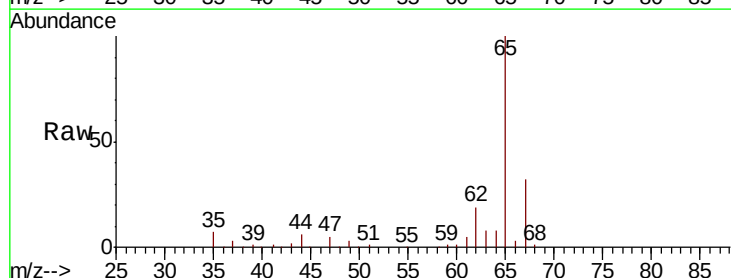
Acq: 30 Sep 2020 04:07

Tgt Ion: 64 Resp: 6275

Ion Ratio Lower Upper

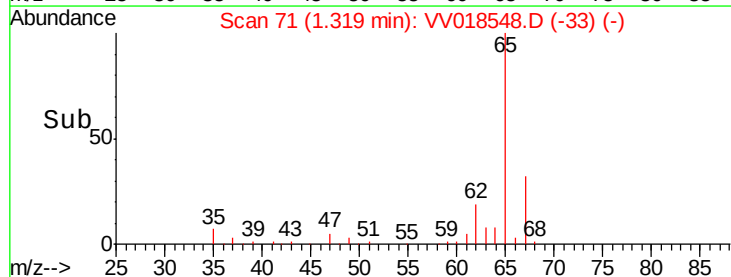
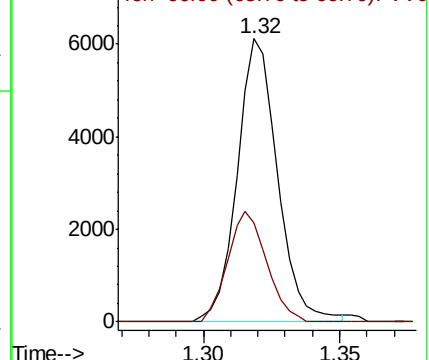
64 100

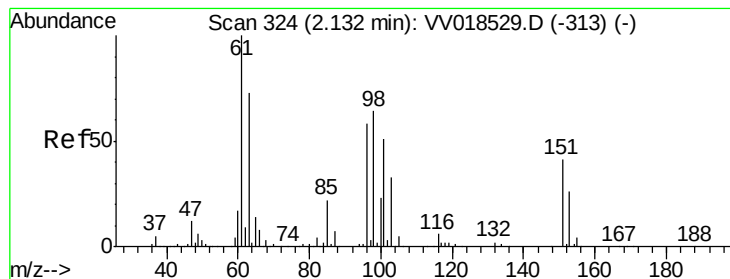
66 34.8 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 0.988 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

Instrument :

MSVOA_V

ClientSampleId :

C0AA6

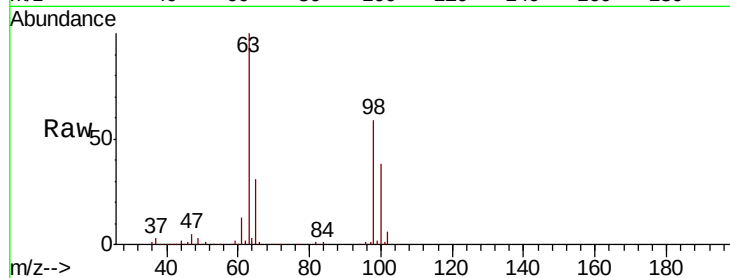
Tot Ion: 96 Resp: 2204

Ion Ratio Lower Upper

96 100

61 1011.6 122.8 228.1#

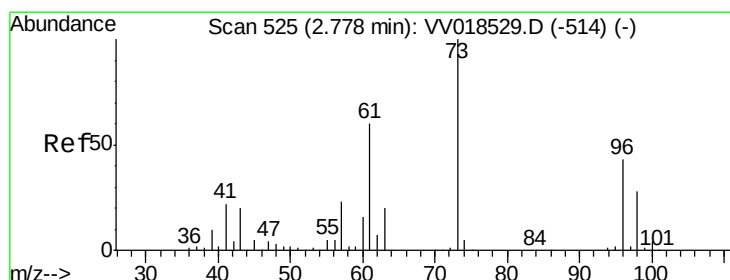
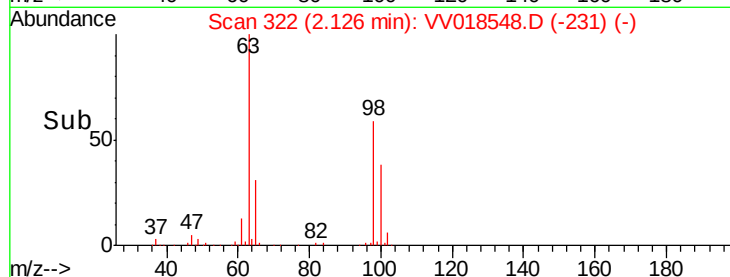
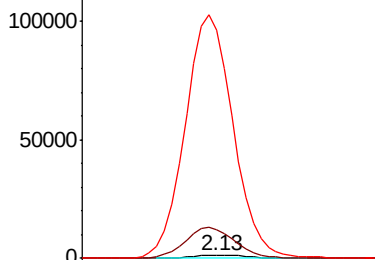
63 7990.0 91.9 170.7#



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: 1.427 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

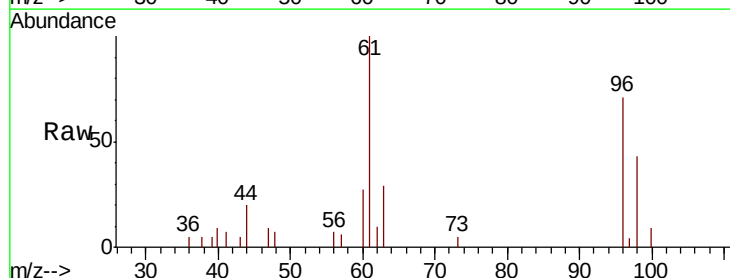
Tgt Ion: 96 Resp: 3642

Ion Ratio Lower Upper

96 100

61 141.3 95.0 176.4

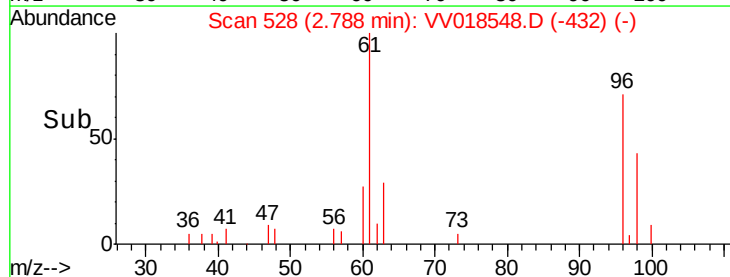
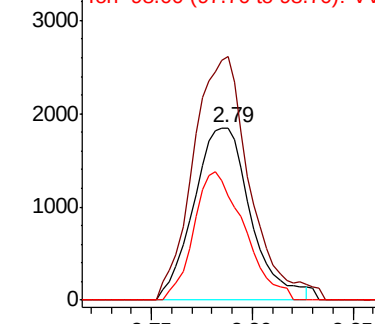
98 60.2 44.6 82.8

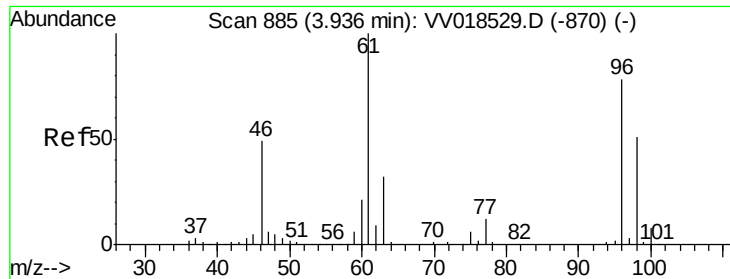


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

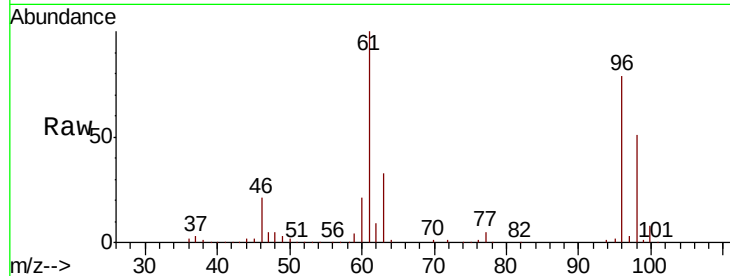




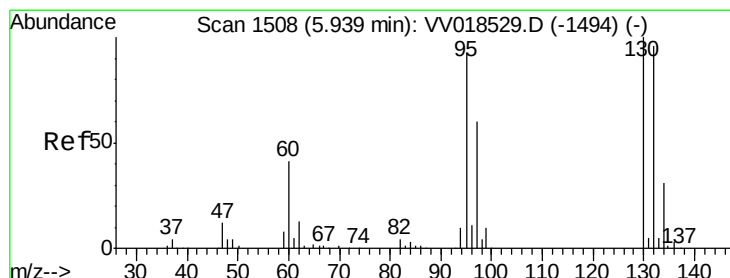
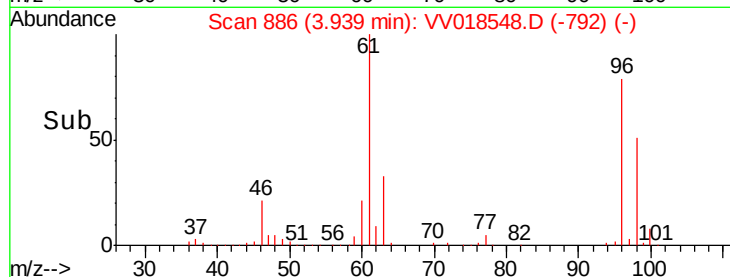
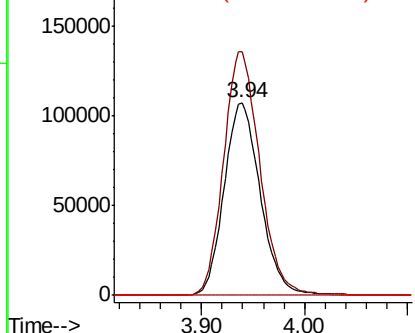
#20
 cis-1,2-Dichloroethene
 Concen: 96.667 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018548.D
 Acq: 30 Sep 2020 04:07

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Tot Ion: 96 Resp: 262279
 Ion Ratio Lower Upper
 96 100
 61 126.5 86.8 161.2
 68 0.0 0.0 0.0

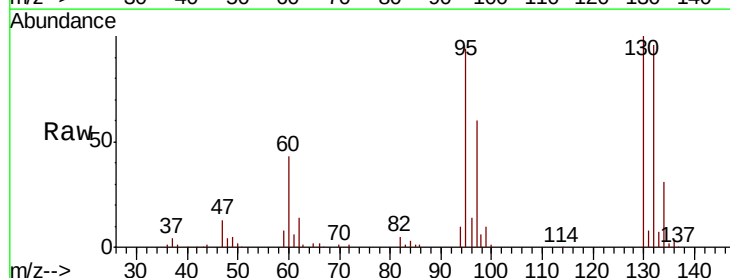


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

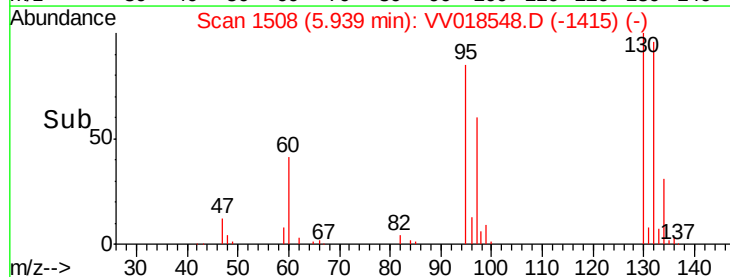
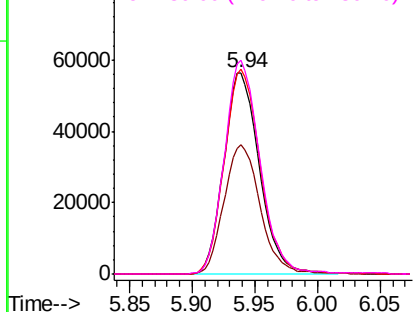


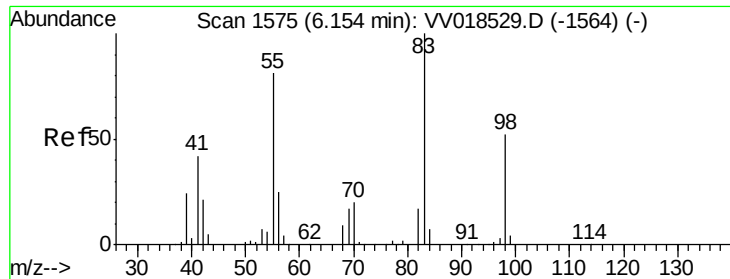
#34
 Trichloroethene
 Concen: 37.533 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018548.D
 Acq: 30 Sep 2020 04:07

Tgt Ion: 95 Resp: 111354
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.9 85.3
 132 101.6 70.8 131.4
 130 106.0 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): VV0
 Ion 130.00 (129.70 to 130.70): VV0

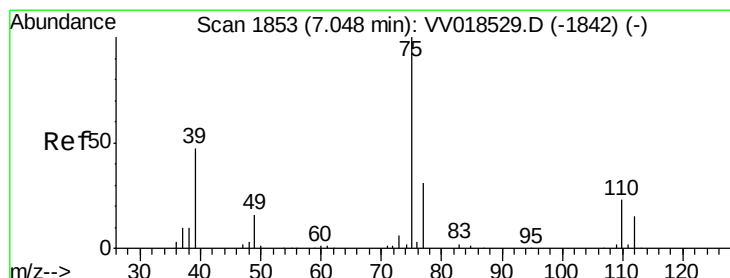
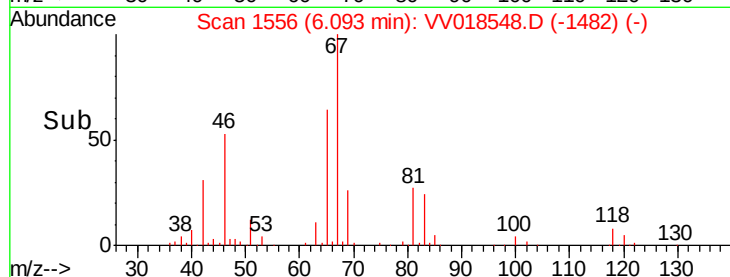
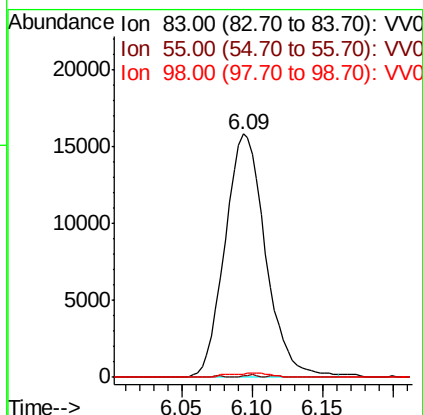
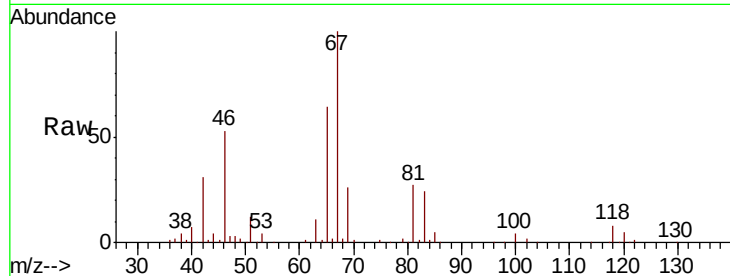




#35
Methylvlcyclohexane
Concen: 7.969 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018548.D
Acq: 30 Sep 2020 04:07

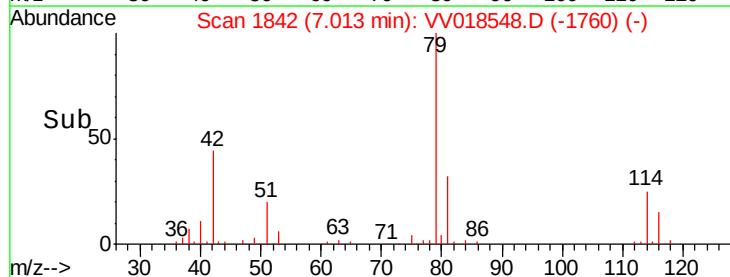
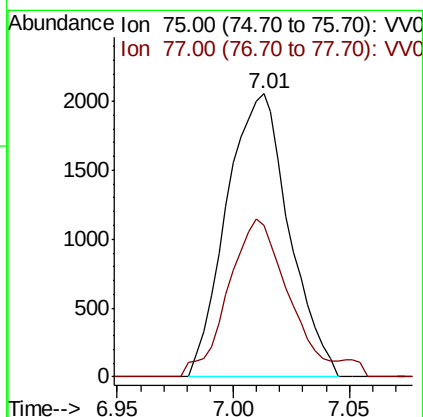
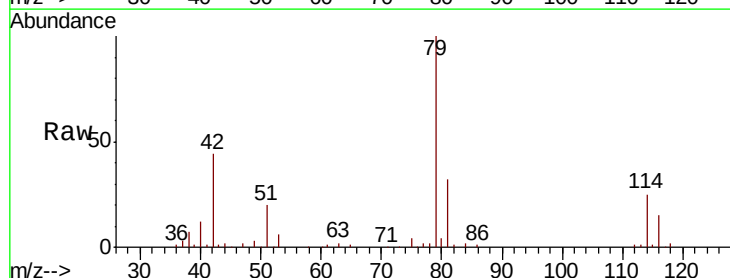
Instrument :
MSVOA_V
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C0AA6

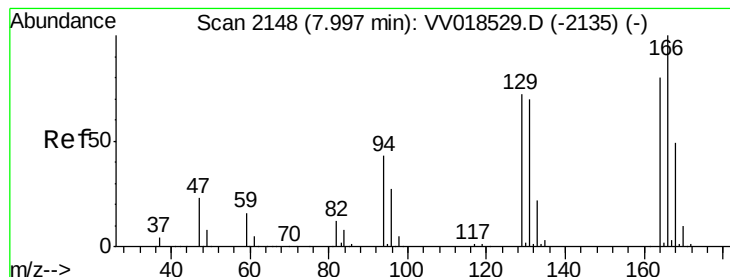
Tot Ion: 83 Resp: 31894
Ion Ratio Lower Upper
83 100
55 0.3 60.1 90.1#
98 1.3 40.2 60.4#



#39
cis-1,3-Dichloropropene
Concen: 0.936 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV018548.D
Acq: 30 Sep 2020 04:07

Tgt Ion: 75 Resp: 3852
Ion Ratio Lower Upper
75 100
77 53.7 23.0 42.6#





#46

Tetrachloroethene

Concen: 63.838 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

Instrument :
MSVOA_V
ClientSampleId :
C0AA6

Tot Ion:164 Resp: 153654

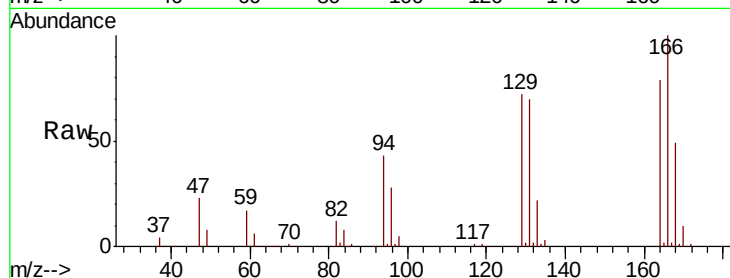
Ion Ratio Lower Upper

164 100

129 91.5 62.8 116.6

131 88.6 60.8 112.8

166 126.4 88.9 165.1

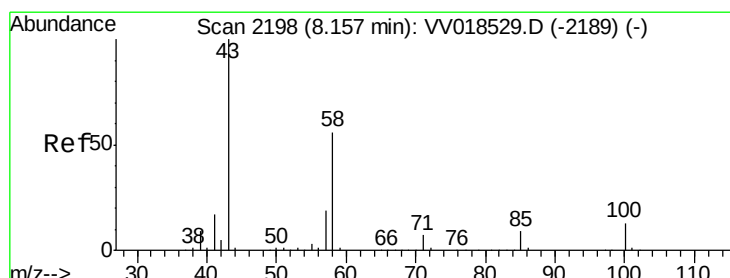
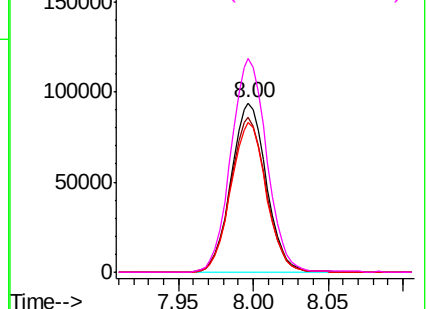
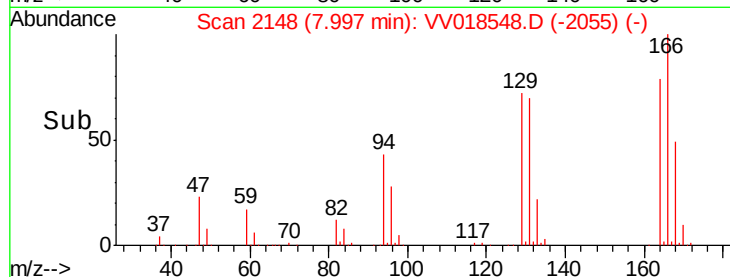


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.095 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

Tgt Ion: 43 Resp: 8171

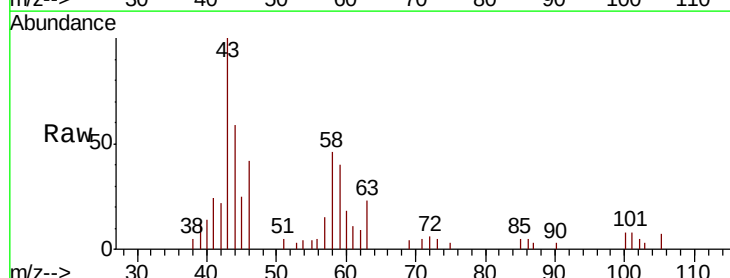
Ion Ratio Lower Upper

43 100

58 34.7 45.1 67.7#

57 0.0 15.7 23.5#

100 7.5 11.0 16.4#

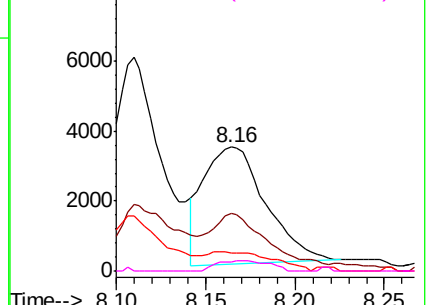
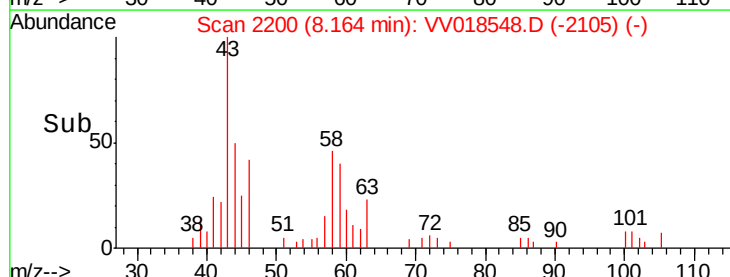


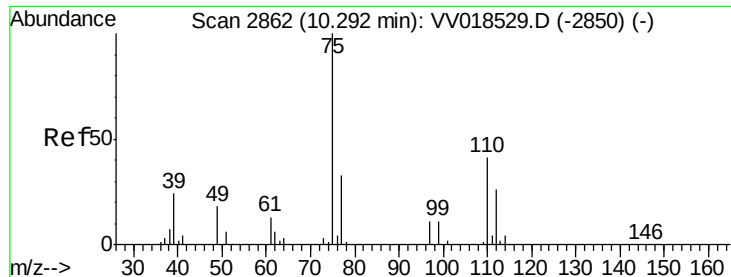
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 6.107 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV018548.D

Acq: 30 Sep 2020 04:07

Instrument :

MSVOA_V

ClientSampleId :

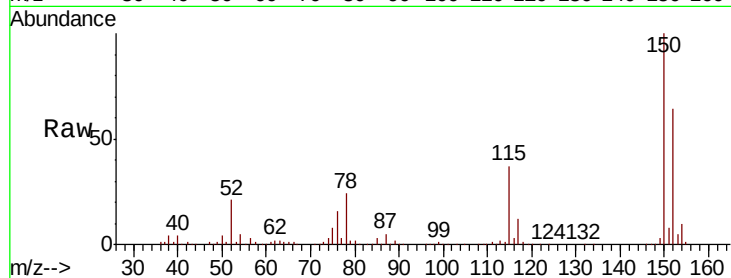
C0AA6

Tot Ion: 75 Resp: 19477

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

