

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018132.D
 Acq On : 28 Aug 2020 12:26
 Operator : SY/MD
 Sample : L3800-19DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G6DL

Quant Time: Aug 29 00:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	266511	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	266217	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	128602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84465	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.08%
7) Chloroethane-d5	1.58	69	77604	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.30%
11) 1,1-Dichloroethene-d2	2.12	63	132126	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.94%
21) 2-Butanone-d5	3.91	46	126273	94.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.81%
24) Chloroform-d	4.38	84	171494	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
26) 1,2-Dichloroethane-d4	5.06	65	117845	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
32) Benzene-d6	5.08	84	342935	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
36) 1,2-Dichloropropane-d6	6.09	67	113804	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.90%
41) Toluene-d8	7.34	98	298066	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	7.64	79	52827	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.11	63	66529	86.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	140467	44.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	130942	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%

Target Compounds

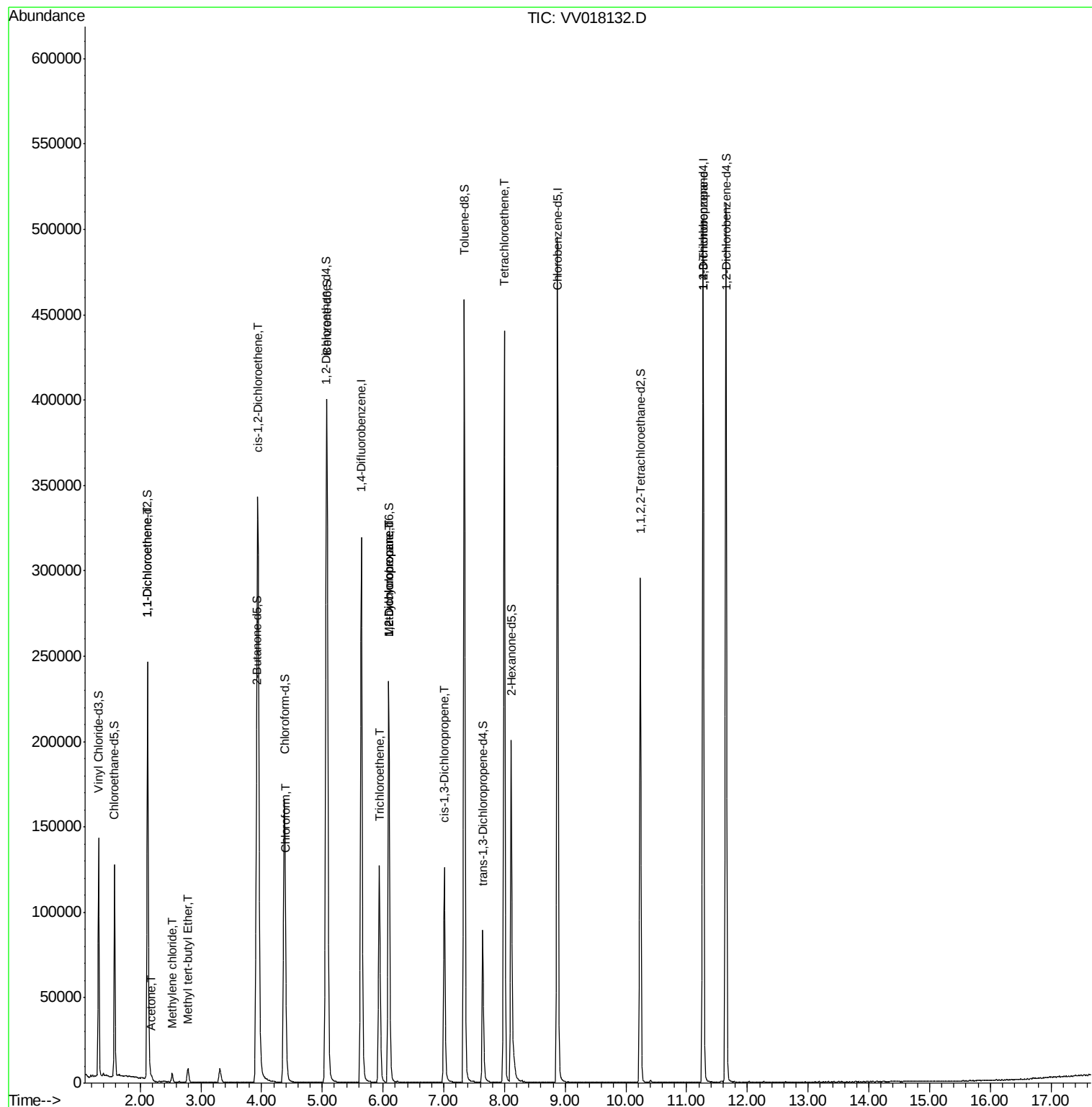
					Ovalue
12) 1,1-Dichloroethene	2.13	96	1297	0.725 ug/L #	1
13) Acetone	2.19	43	2940	2.137 ug/L	98
16) Methylene chloride	2.53	84	2145	0.942 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	6085	1.001 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	173790	86.058 ug/L	97
25) Chloroform	4.40	83	7026	1.864 ug/L	98
34) Trichloroethene	5.94	95	42639	19.585 ug/L	96
35) Methylcyclohexane	6.09	83	27030	8.350 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12801	5.699 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2948	0.926 ug/L #	77
46) Tetrachloroethene	8.00	164	98448	61.658 ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	15176	5.471 ug/L	94

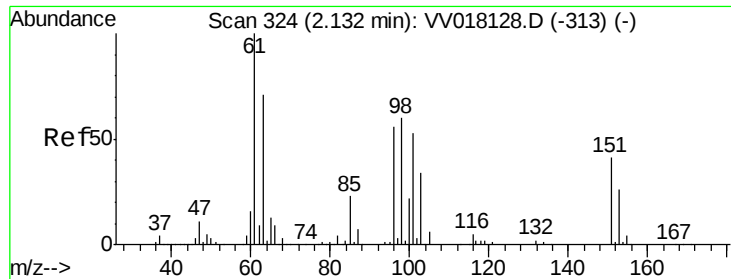
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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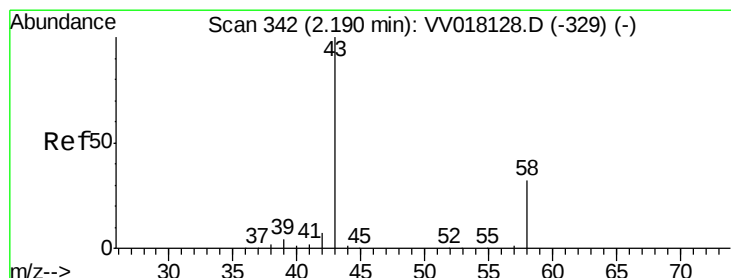
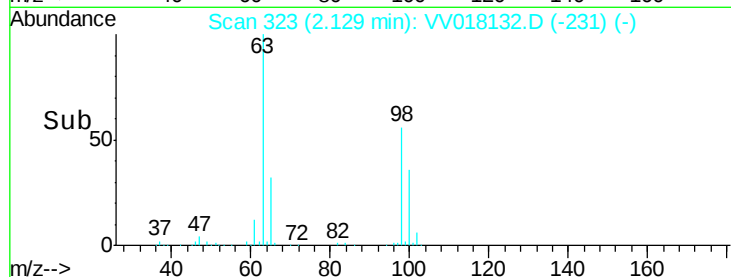
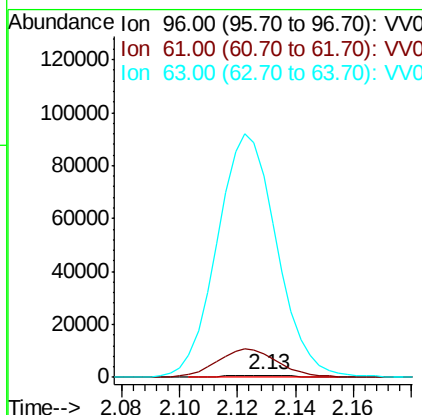
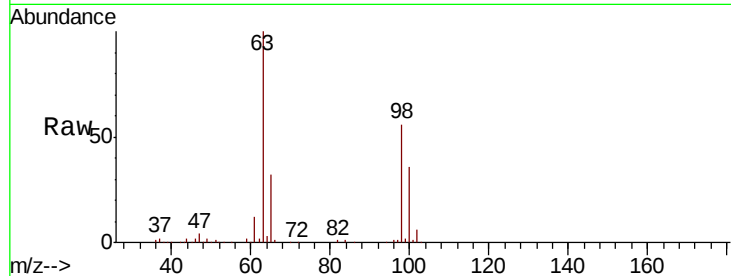




#12
 1,1-Dichloroethene
 Concen: 0.725 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

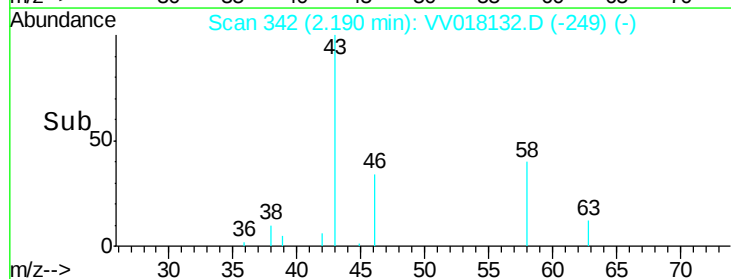
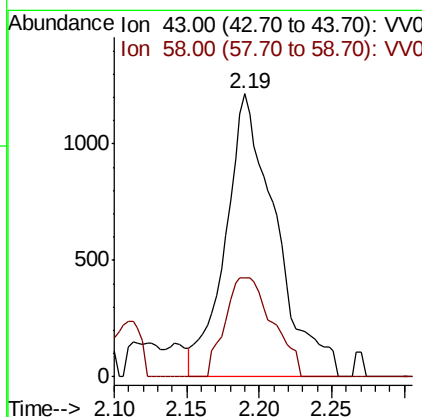
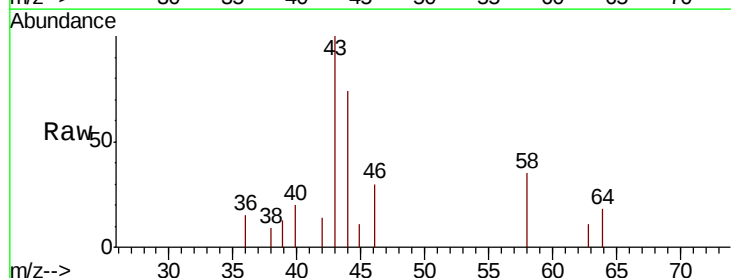
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G6DL

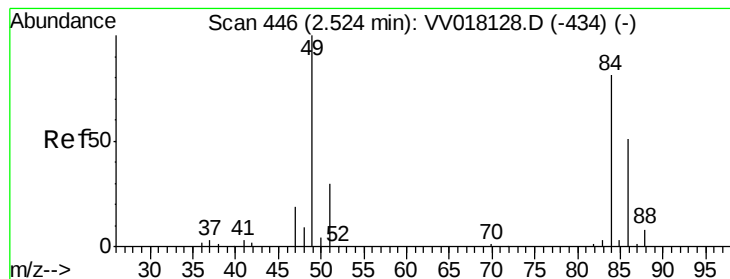
Tot Ion: 96 Resp: 1297
 Ion Ratio Lower Upper
 96 100
 61 1090.9 127.1 236.0#
 63 9122.1 95.2 176.8#



#13
 Acetone
 Concen: 2.137 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

Tgt Ion: 43 Resp: 2940
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 63.6

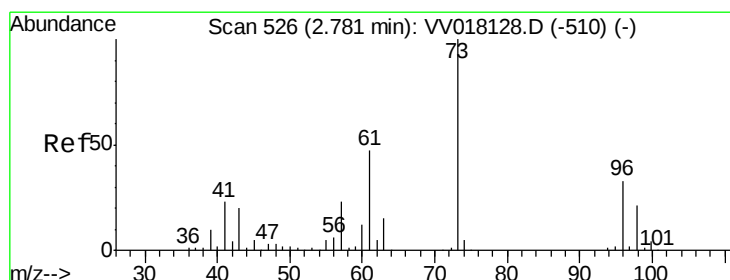
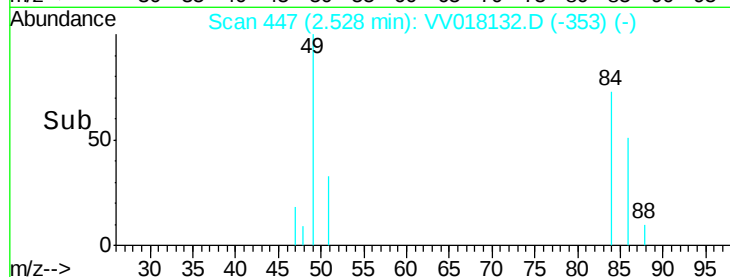
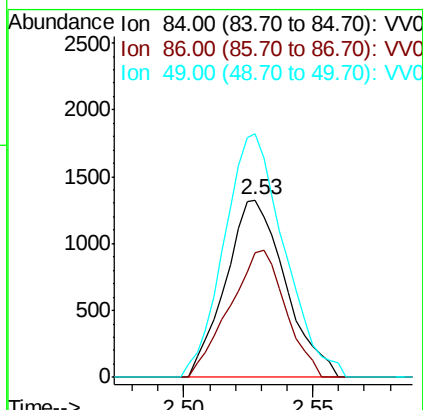
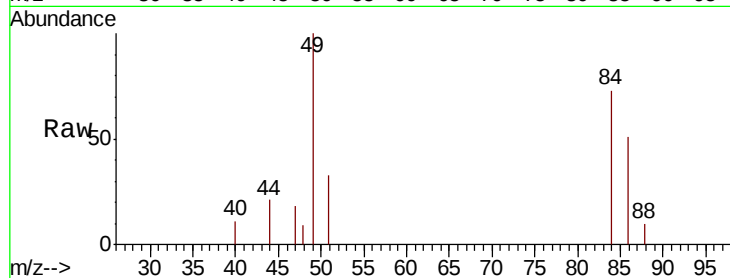




#16
Methvlene chloride
Concen: 0.942 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018132.D
Acq: 28 Aug 2020 12:26

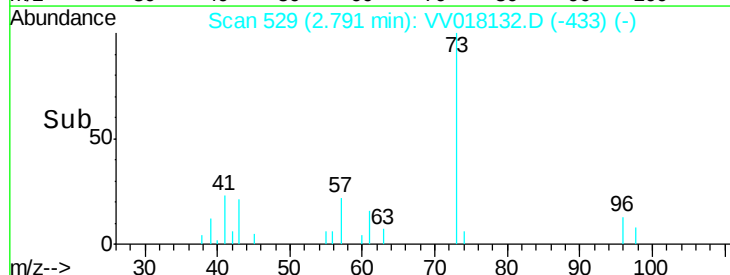
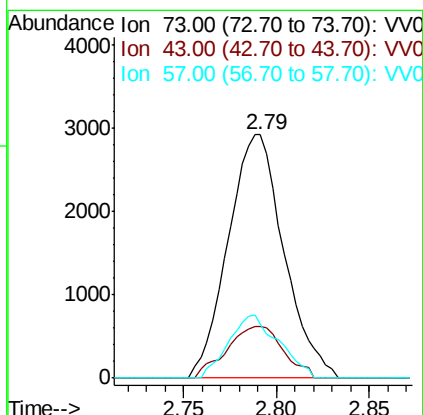
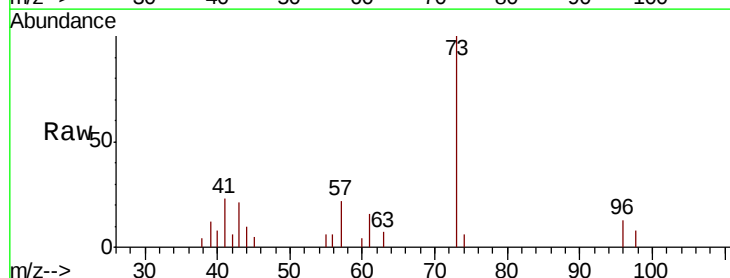
Instrument :
MSVOA_V
ClientSampleId :
BG3G6DL

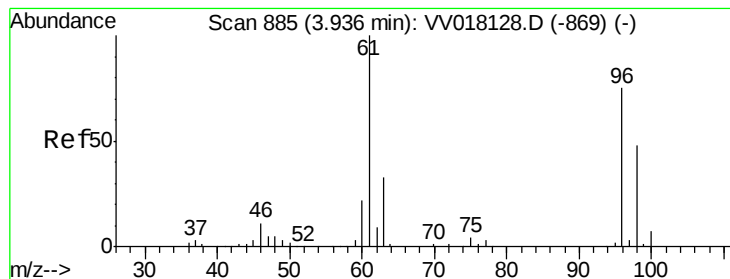
Tot Ion: 84 Resp: 2145
Ion Ratio Lower Upper
84 100
86 69.9 46.3 85.9
49 137.2 89.7 166.5



#18
Methyl tert-butyl Ether
Concen: 1.001 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV018132.D
Acq: 28 Aug 2020 12:26

Tgt Ion: 73 Resp: 6085
Ion Ratio Lower Upper
73 100
43 21.4 15.9 23.9
57 23.3 18.1 27.1



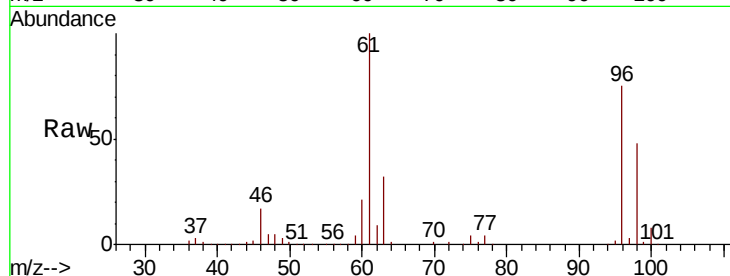


#20

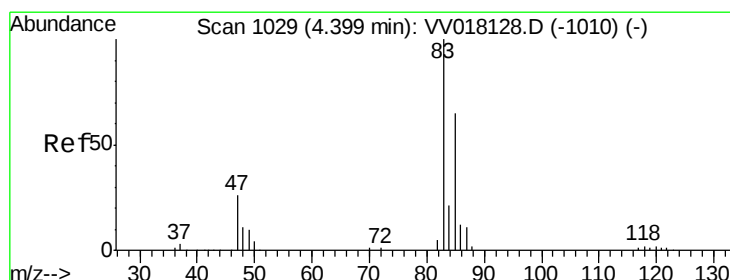
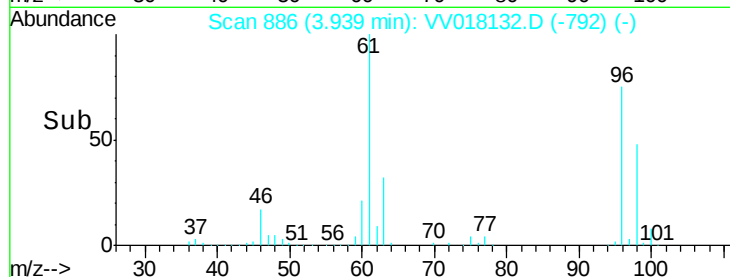
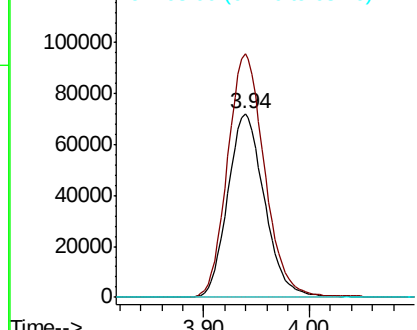
cis-1,2-Dichloroethene
 Concen: 86.058 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

Instrument :
 MSVOA_V
 ClientSampleID :
 BG3G6DL

Tot Ion: 96 Resp: 173790
 Ion Ratio Lower Upper
 96 100
 61 132.6 95.0 176.4
 68 0.0 0.0 0.0



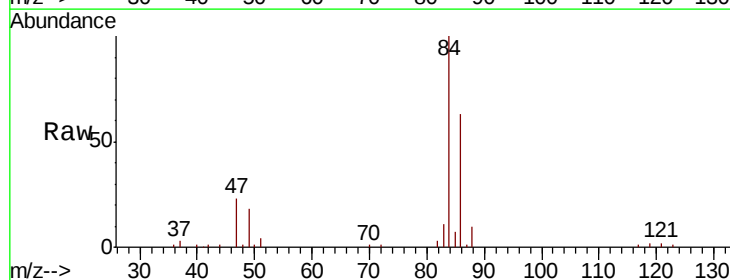
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



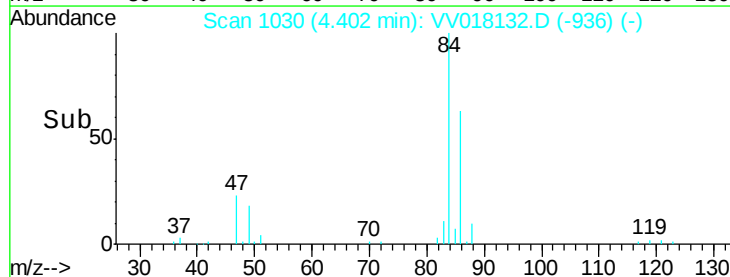
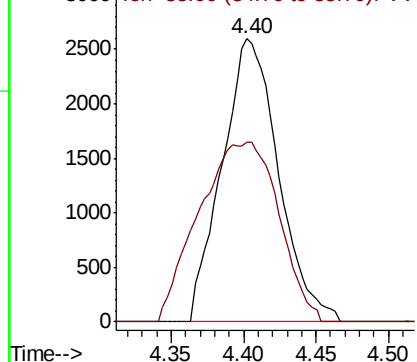
#25

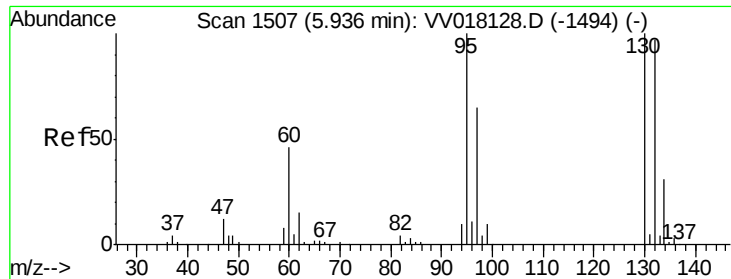
Chloroform
 Concen: 1.864 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

Tgt Ion: 83 Resp: 7026
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 19.585 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018132.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BG3G6DL

Tot Ion: 95 Resp: 42639

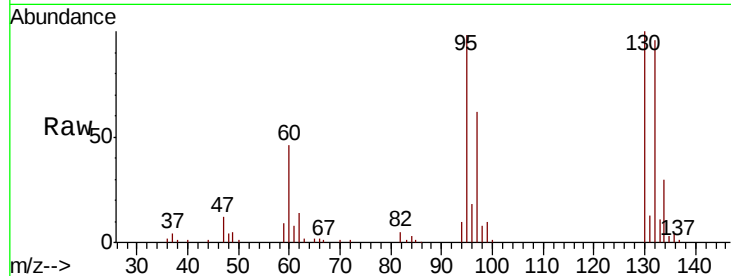
Ion Ratio Lower Upper

95 100

97 63.0 46.0 85.4

132 98.0 65.8 122.2

130 102.0 69.2 128.6



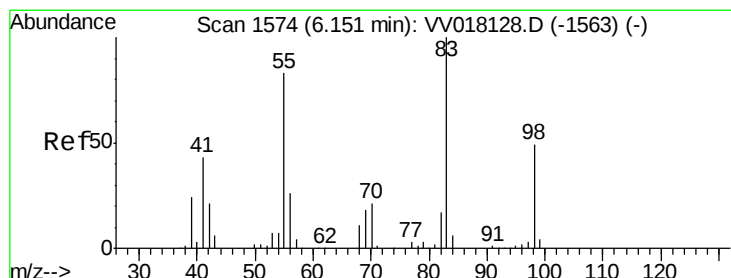
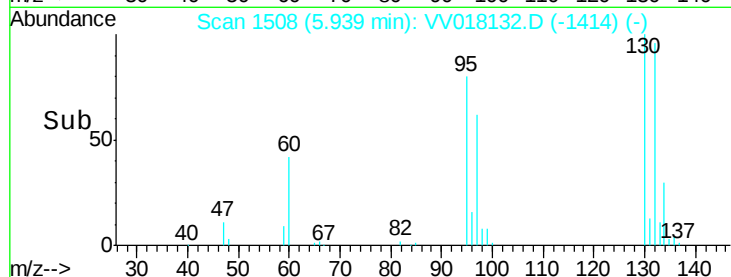
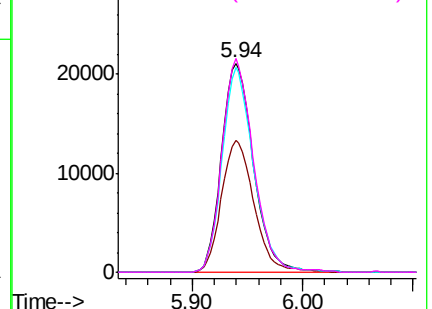
Abundance

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

Methylcyclohexane

Concen: 8.350 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018132.D

Acq: 28 Aug 2020 12:26

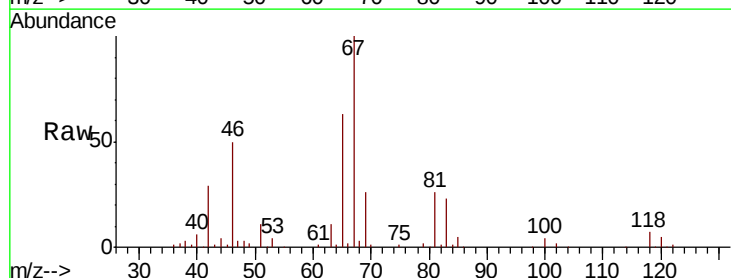
Tgt Ion: 83 Resp: 27030

Ion Ratio Lower Upper

83 100

55 0.1 64.9 97.3#

98 1.1 38.7 58.1#

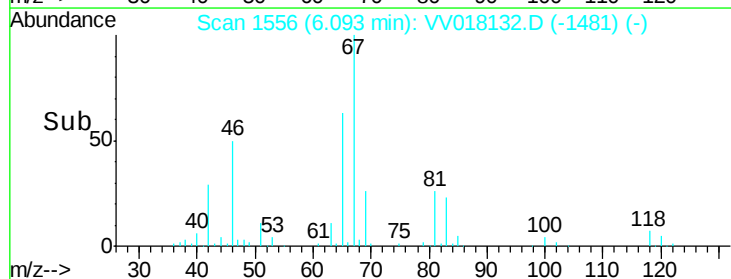
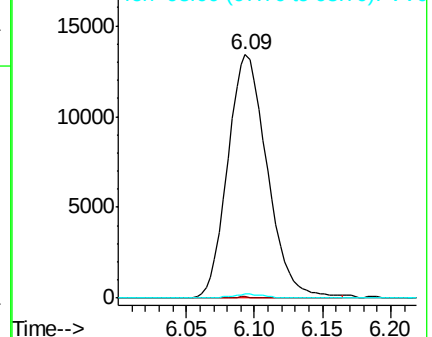


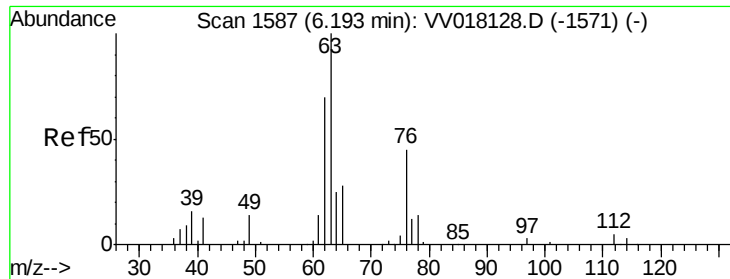
Abundance

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

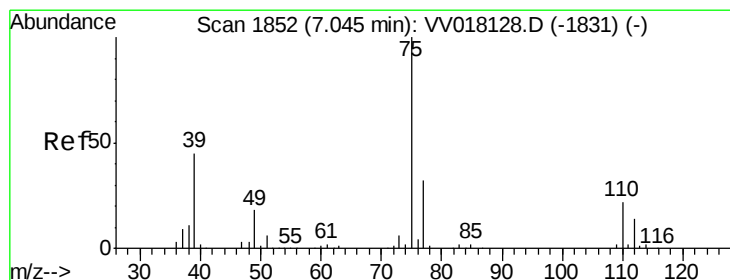
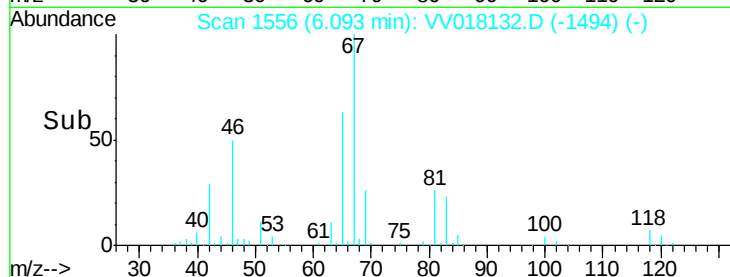
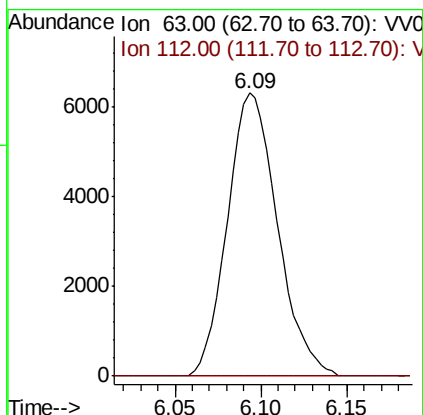
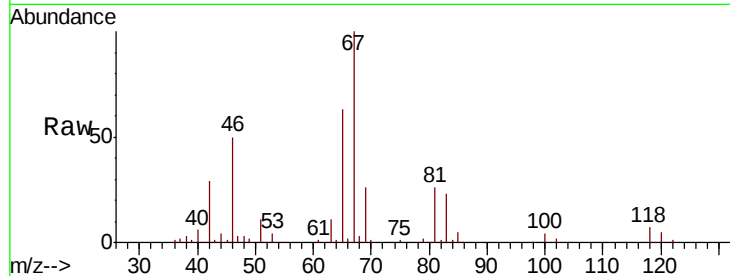




#37
 1,2-Dichloropropane
 Concen: 5.699 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

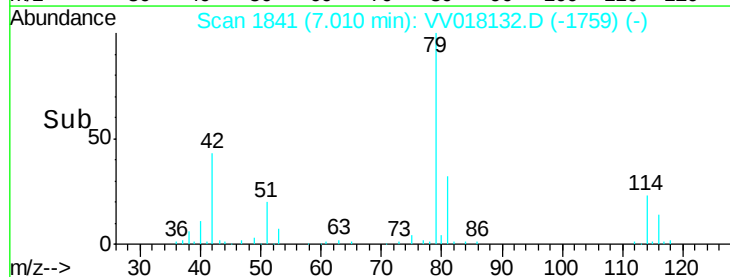
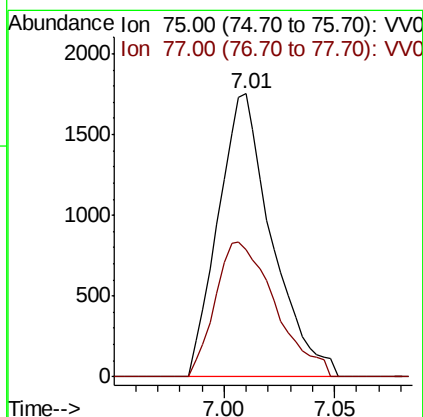
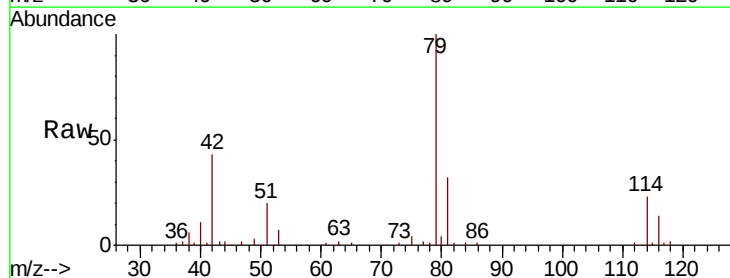
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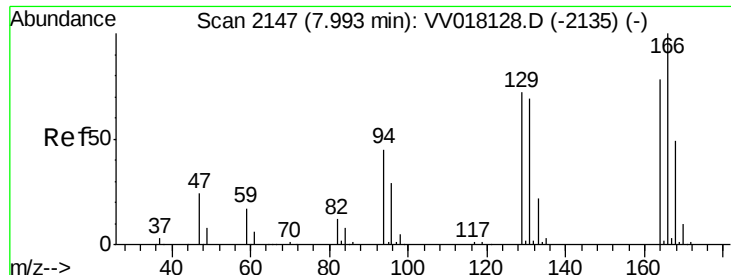
Tot Ion: 63 Resp: 12801
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.926 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018132.D
 Acq: 28 Aug 2020 12:26

Tgt Ion: 75 Resp: 2948
 Ion Ratio Lower Upper
 75 100
 77 44.7 22.3 41.5#





#46

Tetrachloroethene

Concen: 61.658 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018132.D

Acq: 28 Aug 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BG3G6DL

Tot Ion:164 Resp: 98448

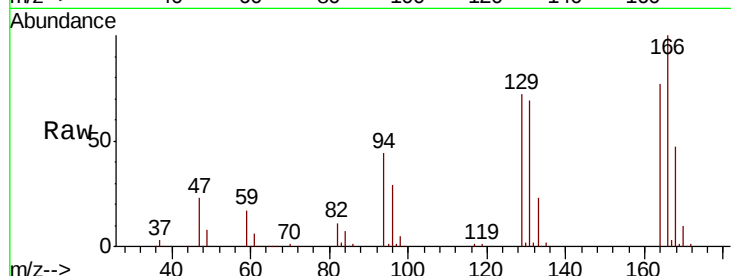
Ion Ratio Lower Upper

164 100

129 93.2 64.8 120.3

131 89.6 64.5 119.9

166 129.9 88.9 165.1

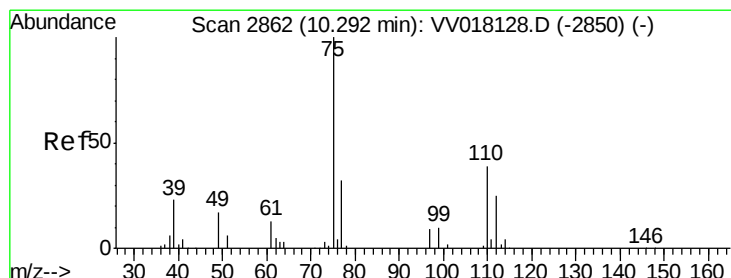
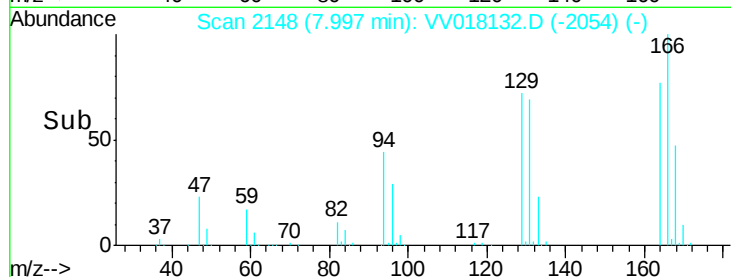
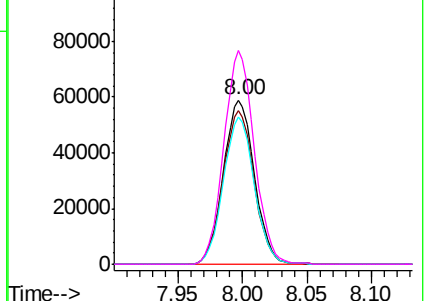


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.471 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018132.D

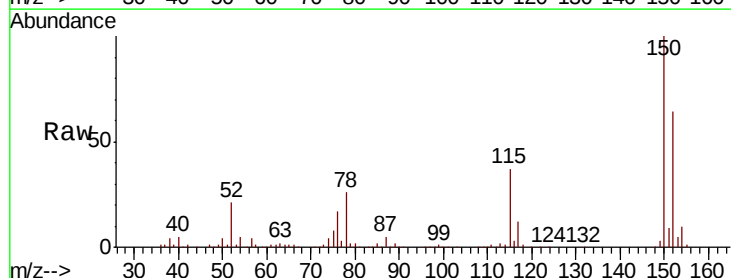
Acq: 28 Aug 2020 12:26

Tgt Ion: 75 Resp: 15176

Ion Ratio Lower Upper

75 100

77 35.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

