

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018010.D
 Acq On : 14 Aug 2020 20:33
 Operator : SY/MD
 Sample : L3665-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L38

Quant Time: Aug 17 03:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	237027	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	235308	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	112703	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57189	31.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.24%
7) Chloroethane-d5	1.58	69	53896	36.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.86%
11) 1,1-Dichloroethene-d2	2.12	63	92729	26.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.62%#
21) 2-Butanone-d5	3.91	46	131226	110.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.79%
24) Chloroform-d	4.38	84	139765	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
26) 1,2-Dichloroethane-d4	5.06	65	98293	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
32) Benzene-d6	5.08	84	263546	40.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.28%
36) 1,2-Dichloropropane-d6	6.09	67	94719	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.36%
41) Toluene-d8	7.34	98	229612	39.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.74%#
43) trans-1,3-Dichloropropene-	7.64	79	40897	42.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.06%
47) 2-Hexanone-d5	8.11	63	65342	96.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132623	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	108421	48.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.76%

Target Compounds

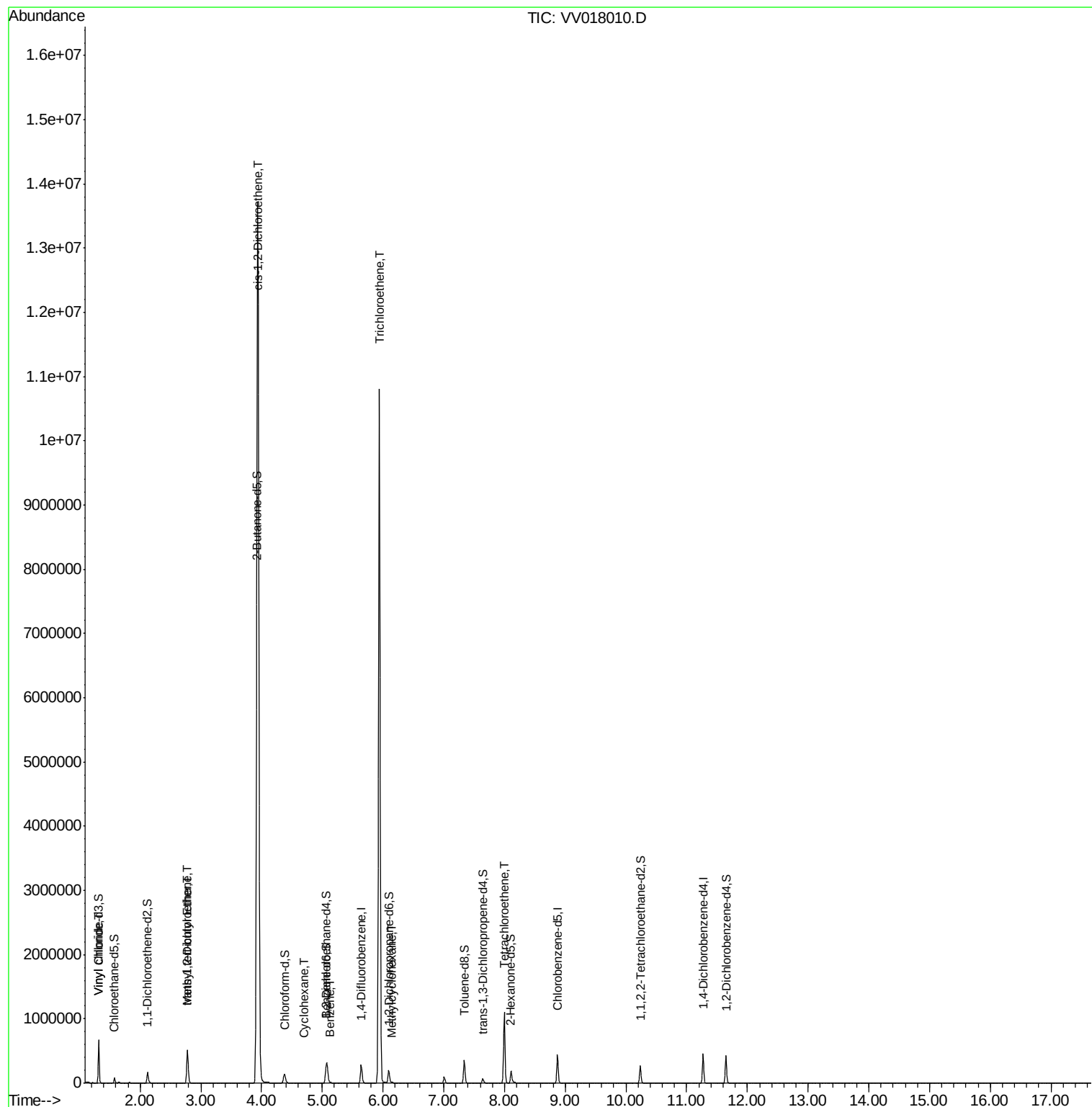
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	359087	170.496	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	182019	111.368	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	9080	1.680	ug/L #	75
20) cis-1,2-Dichloroethene	3.94	96	761549	4240.167	ug/L	94
29) Cyclohexane	4.71	56	3484	1.227	ug/L	96
33) Benzene	5.13	78	8548	1.174	ug/L	100
34) Trichloroethene	5.94	95	3679677	1912.188	ug/L	99
35) Methylcyclohexane	6.15	83	1850	0.647	ug/L	99
46) Tetrachloroethene	8.00	164	243887	172.812	ug/L	99

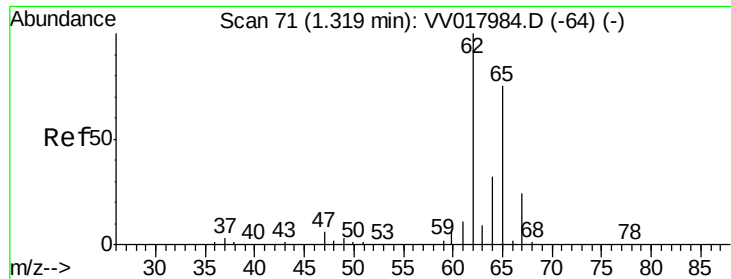
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 170.496 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018010.D

Acq: 14 Aug 2020 20:33

Instrument :

MSVOA_V

ClientSampled :

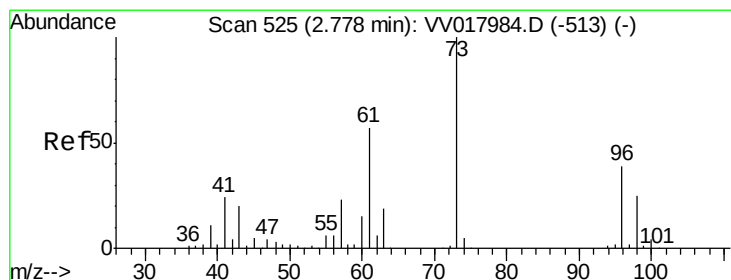
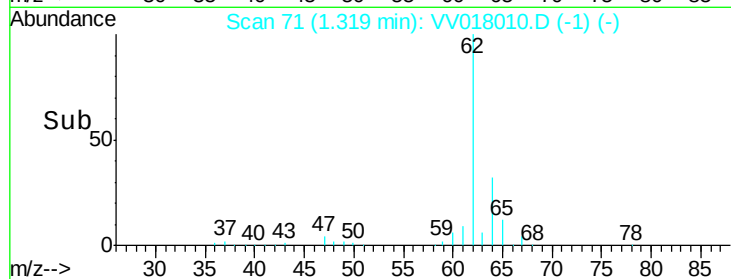
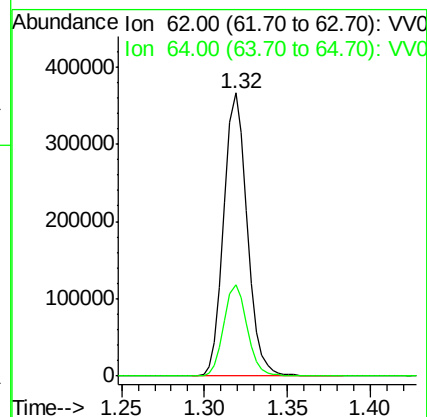
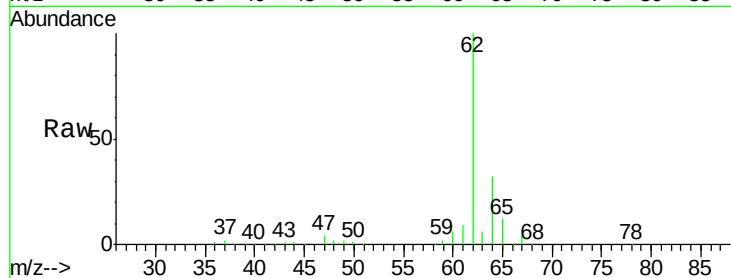
F4L38

Tot Ion: 62 Resp: 359087

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



#17

trans-1,2-Dichloroethene

Concen: 111.368 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018010.D

Acq: 14 Aug 2020 20:33

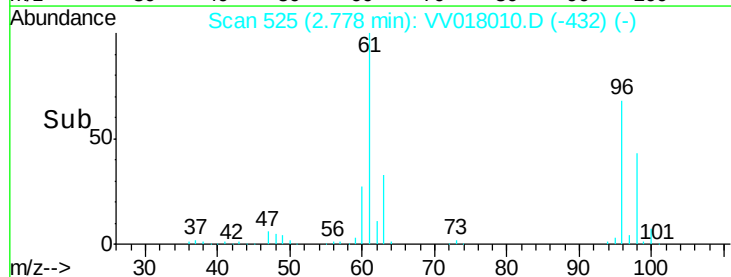
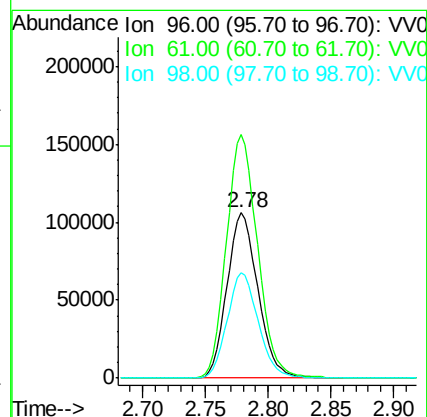
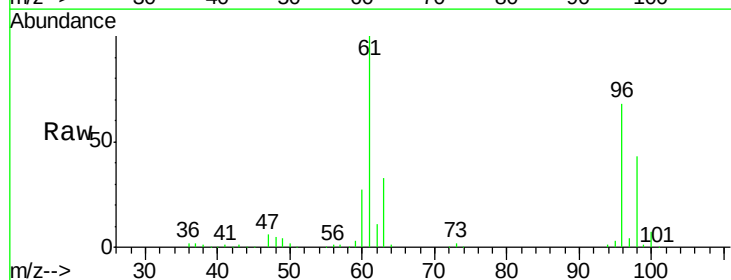
Tgt Ion: 96 Resp: 182019

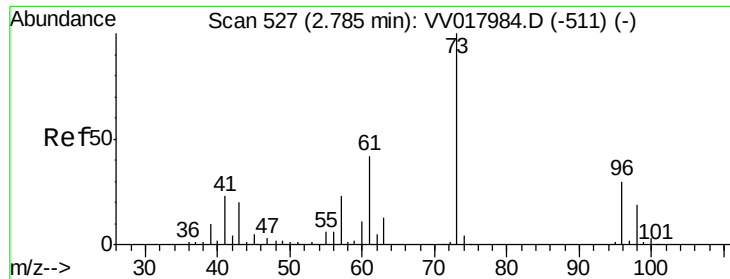
Ion Ratio Lower Upper

96 100

61 147.4 102.4 190.2

98 64.0 44.4 82.5

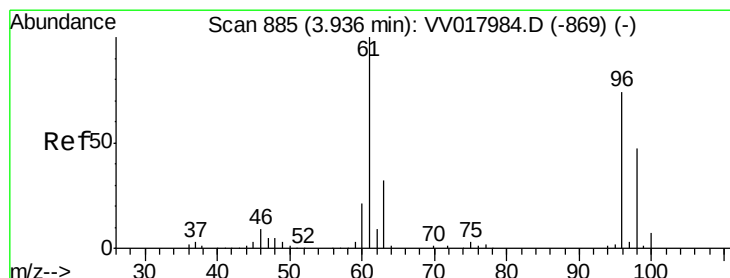
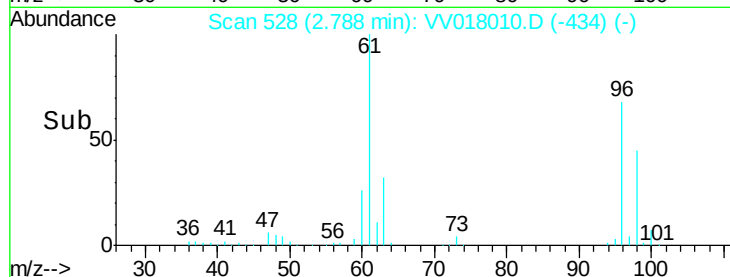
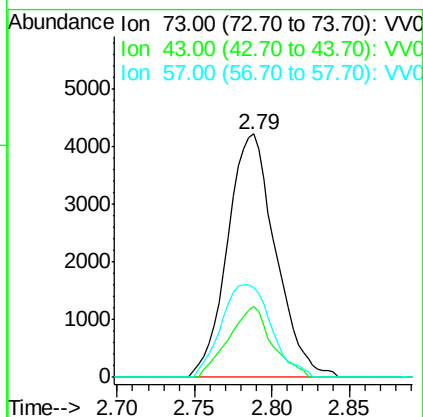
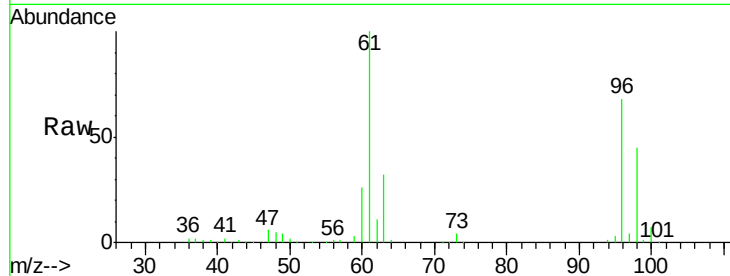




#18
Methyl tert-butyl Ether
Concen: 1.680 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018010.D
Acq: 14 Aug 2020 20:33

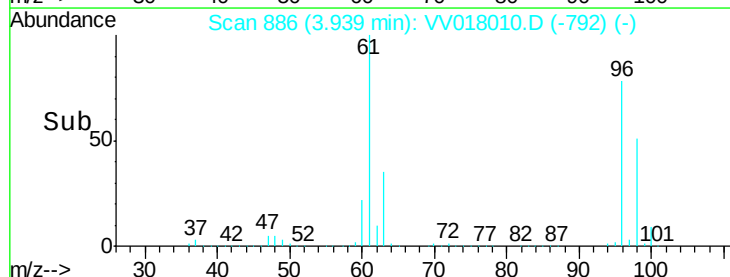
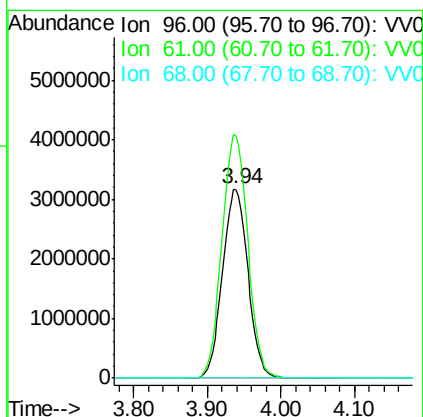
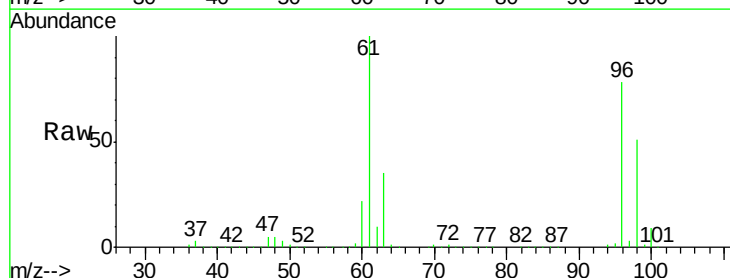
Instrument :
MSVOA_V
ClientSampled :
F4L38

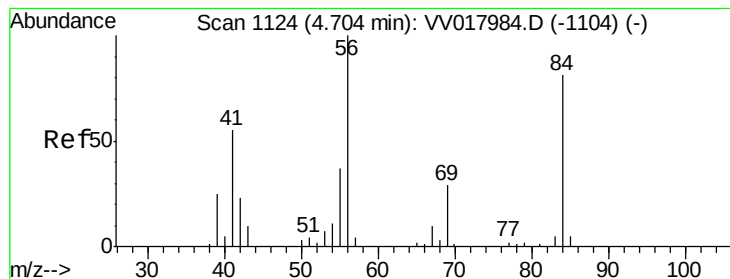
Tot Ion: 73 Resp: 9080
Ion Ratio Lower Upper
73 100
43 26.2 15.9 23.9#
57 39.8 18.1 27.1#



#20
cis-1,2-Dichloroethene
Concen: 4240.167 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018010.D
Acq: 14 Aug 2020 20:33

Tgt Ion: 96 Resp: 7615549
Ion Ratio Lower Upper
96 100
61 128.5 95.0 176.4
68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 1.227 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018010.D

Acq: 14 Aug 2020 20:33

Instrument :

MSVOA_V

ClientSampled :

F4L38

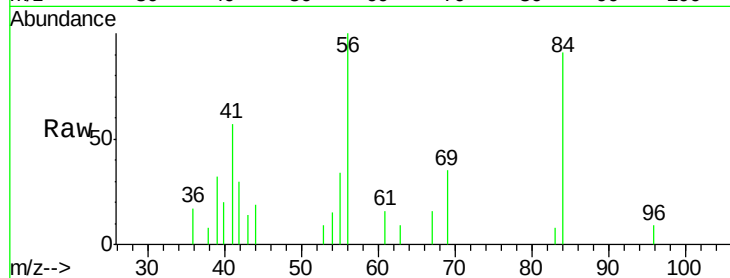
Tot Ion: 56 Resp: 3484

Ion Ratio Lower Upper

56 100

69 31.9 23.8 35.8

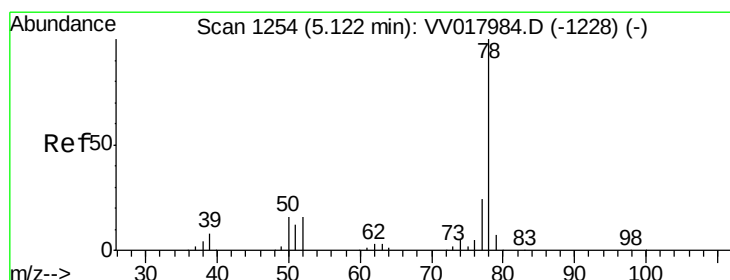
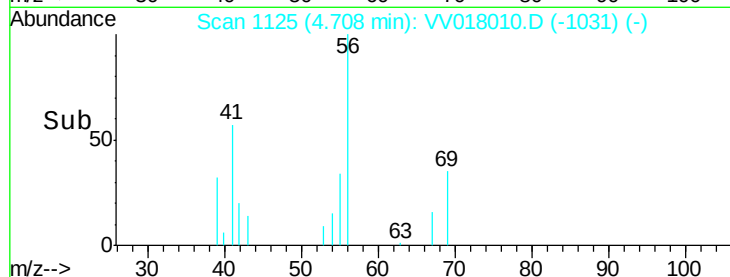
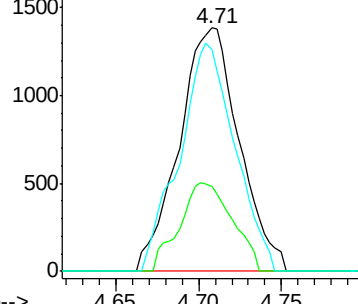
84 86.6 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018010.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV018010.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV018010.D (-1031) (-)



#33

Benzene

Concen: 1.174 ug/L

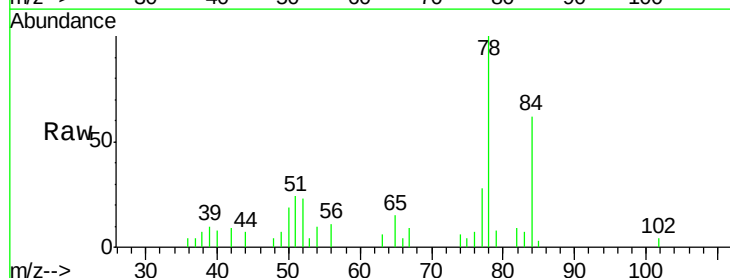
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

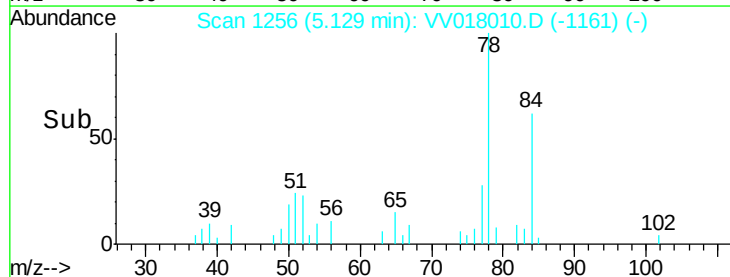
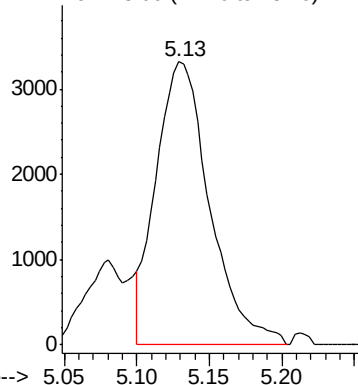
Lab File: VV018010.D

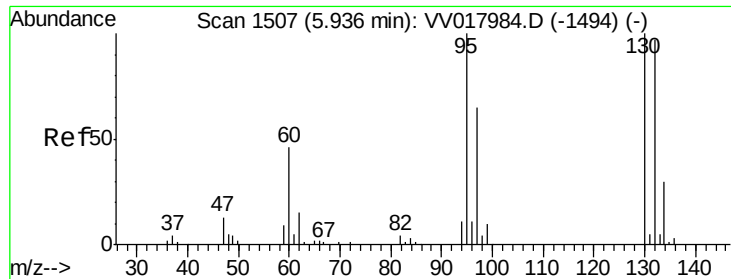
Acq: 14 Aug 2020 20:33

Tgt Ion: 78 Resp: 8548



Abundance Ion 78.00 (77.70 to 78.70): VV018010.D (-1161) (-)

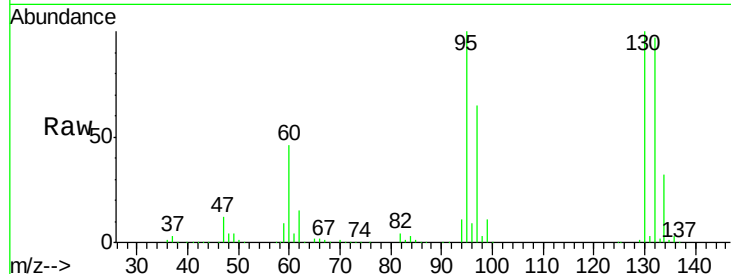




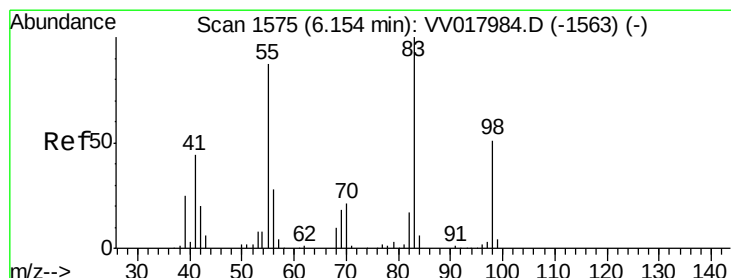
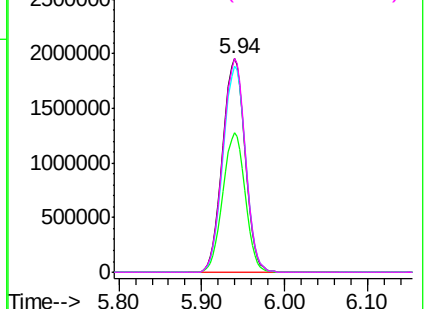
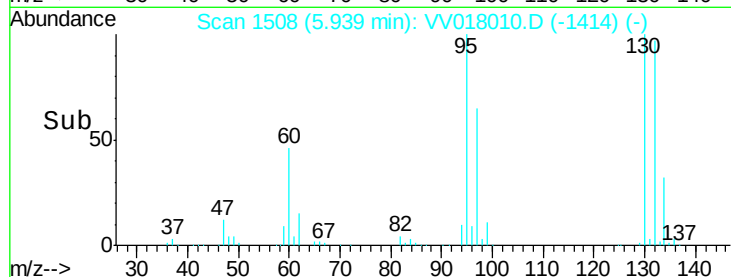
#34
 Trichloroethene
 Concen: 1912.188 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018010.D
 Acq: 14 Aug 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L38

Tot Ion: 95 Resp: 3679677
 Ion Ratio Lower Upper
 95 100
 97 65.2 46.0 85.4
 132 96.5 65.8 122.2
 130 99.9 69.2 128.6

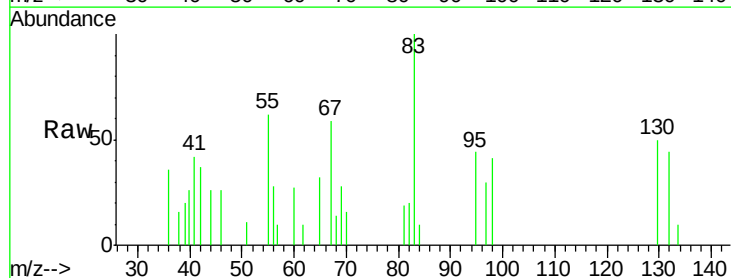


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

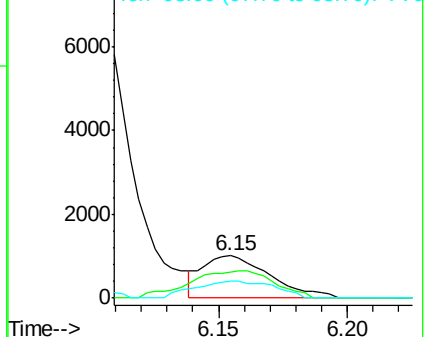
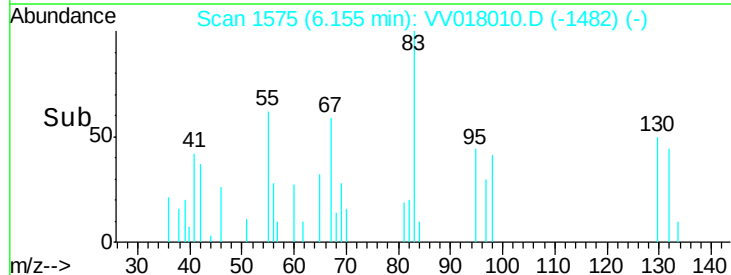


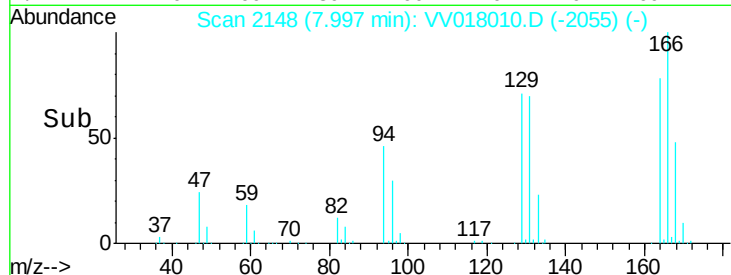
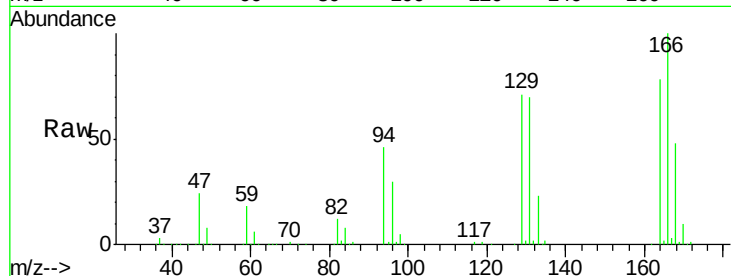
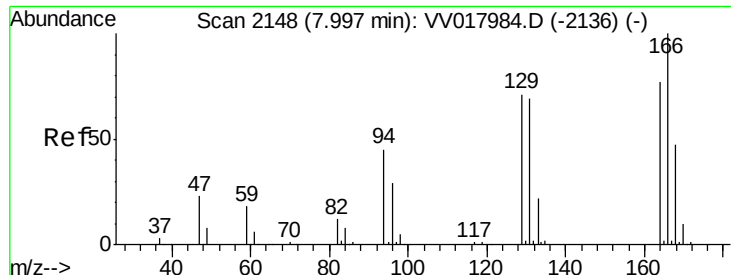
#35
 Methylcyclohexane
 Concen: 0.647 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018010.D
 Acq: 14 Aug 2020 20:33

Tgt Ion: 83 Resp: 1850
 Ion Ratio Lower Upper
 83 100
 55 81.1 64.9 97.3
 98 46.8 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





#46

Tetrachloroethene

Concen: 172.812 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018010.D

Acq: 14 Aug 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :
F4L38

Tot Ion:164 Resp: 243887

Ion Ratio Lower Upper

164 100

129 92.2 64.8 120.3

131 90.8 64.5 119.9

166 129.0 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

