

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017933.D
 Acq On : 12 Aug 2020 17:34
 Operator : SY/MD
 Sample : L3644-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L67

Quant Time: Aug 13 05:32:06 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	247219	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240664	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	106106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	90956	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.44%
7) Chloroethane-d5	1.58	69	75217	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.48%
11) 1,1-Dichloroethene-d2	2.12	63	128839	35.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.42%
21) 2-Butanone-d5	3.91	46	132342	107.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.12%
24) Chloroform-d	4.38	84	166641	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.06	65	115087	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.20%
32) Benzene-d6	5.07	84	334092	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
36) 1,2-Dichloropropane-d6	6.09	67	111311	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.34	98	292981	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.64	79	48168	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.11	63	67083	96.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.41%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	138359	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	113919	54.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.10%

Target Compounds

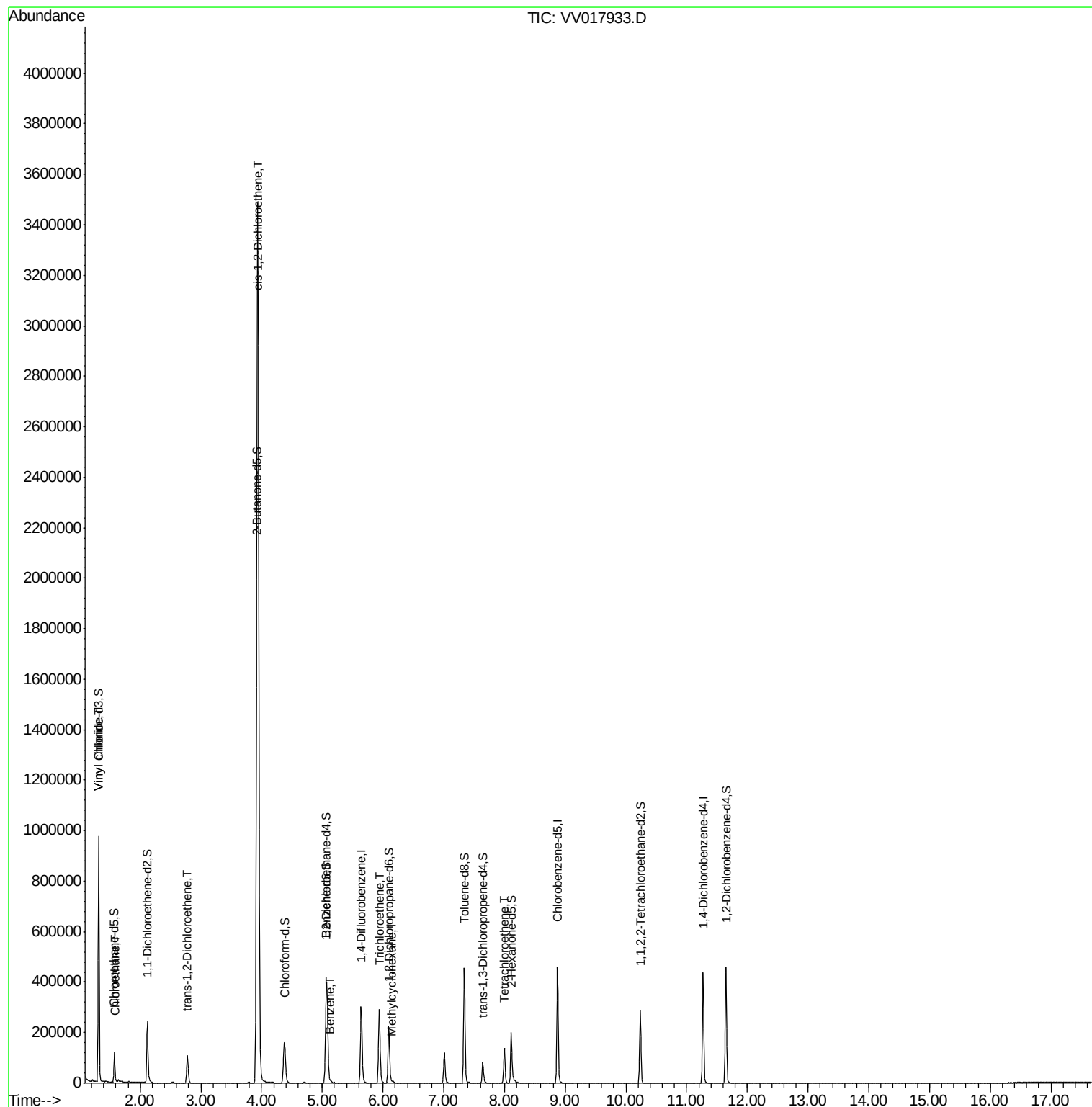
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	530271	241.395	ug/L	100
8) Chloroethane	1.59	64	2280	1.626	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	38506	22.589	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	1881683	1004.487	ug/L	99
33) Benzene	5.13	78	7138	0.959	ug/L	100
34) Trichloroethene	5.94	95	100305	50.965	ug/L	98
35) Methylcyclohexane	6.15	83	1982	0.677	ug/L #	73
46) Tetrachloroethene	8.00	164	30441	21.090	ug/L	98

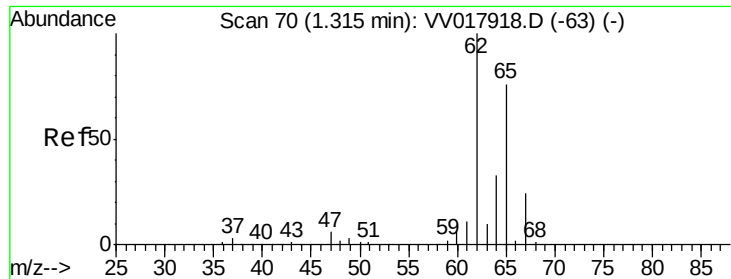
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 241.395 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

Instrument :

MSVOA_V

ClientSampleId :

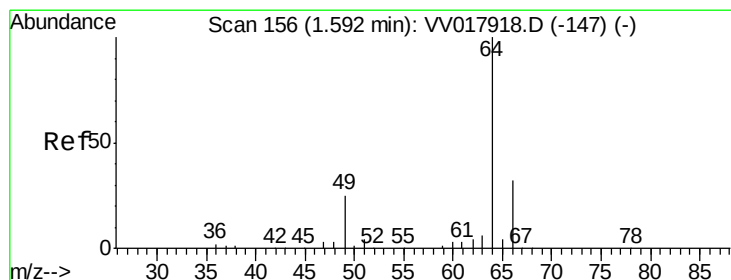
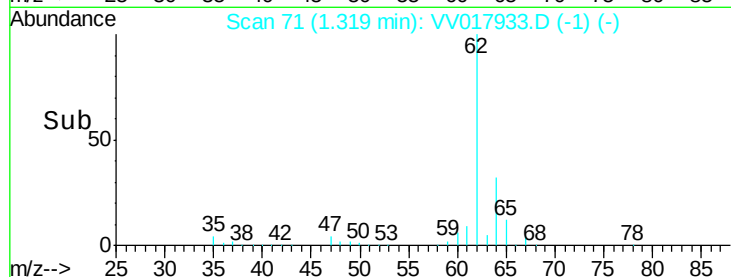
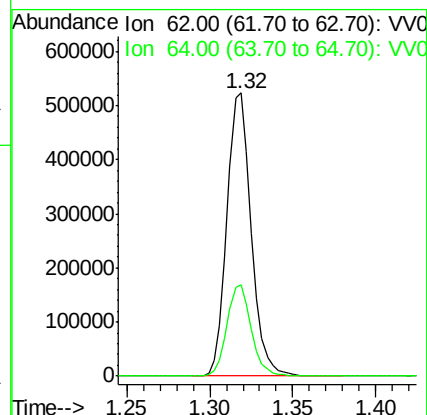
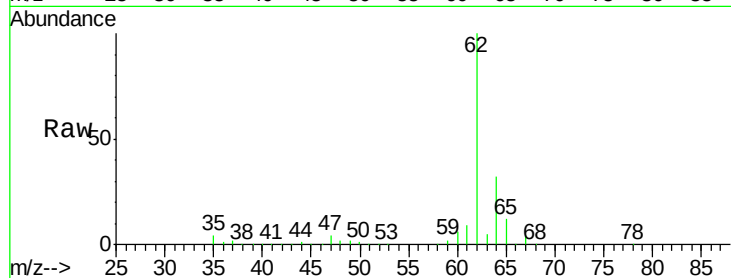
F2L67

Tot Ion: 62 Resp: 530271

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#8

Chloroethane

Concen: 1.626 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017933.D

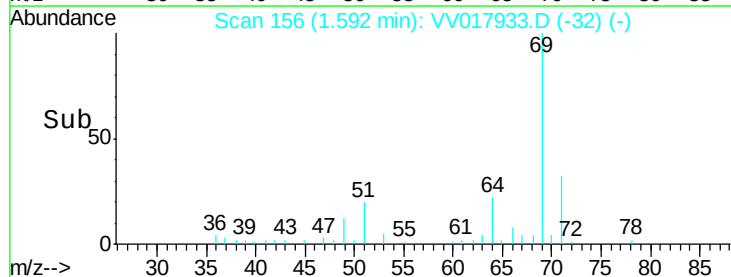
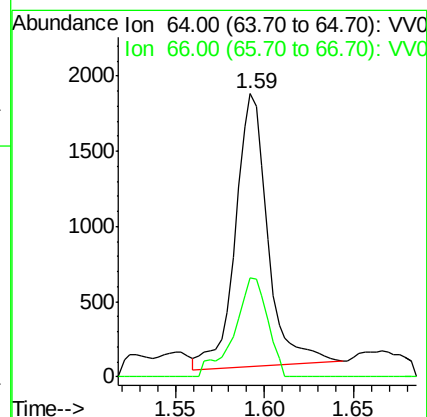
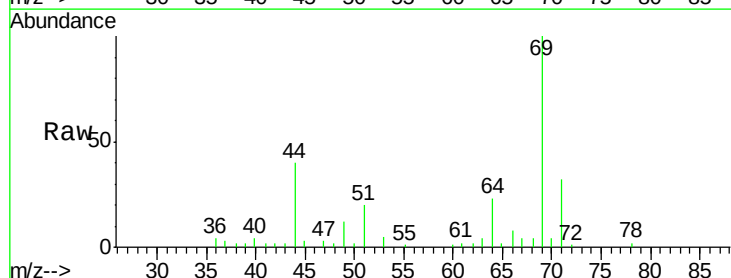
Acq: 12 Aug 2020 17:34

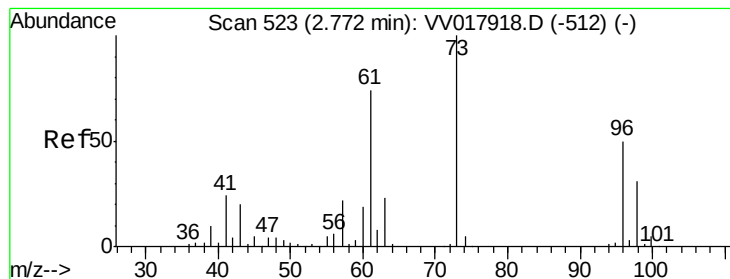
Tgt Ion: 64 Resp: 2280

Ion Ratio Lower Upper

64 100

66 35.0 22.3 41.3





#17

trans-1,2-Dichloroethene

Concen: 22.589 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

Instrument :

MSVOA_V

ClientSampleId :

F2L67

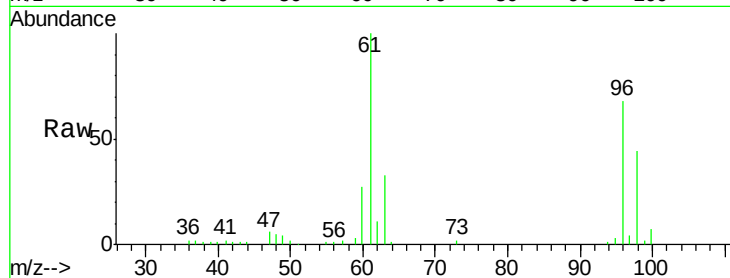
Tot Ion: 96 Resp: 38506

Ion Ratio Lower Upper

96 100

61 147.6 102.4 190.2

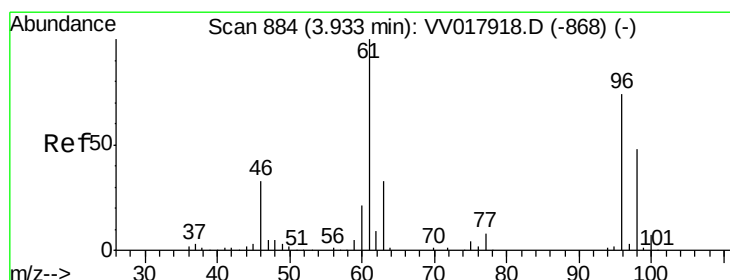
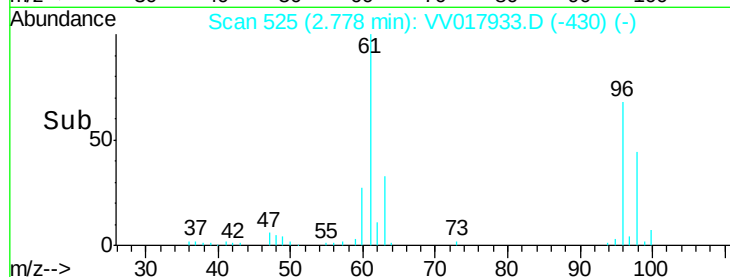
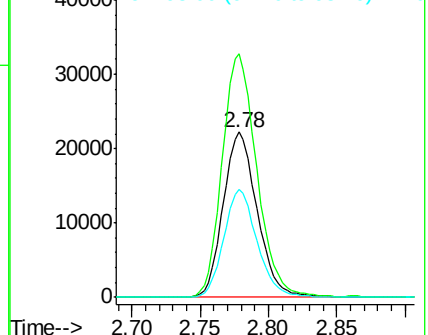
98 65.7 44.4 82.5



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: 1004.487 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

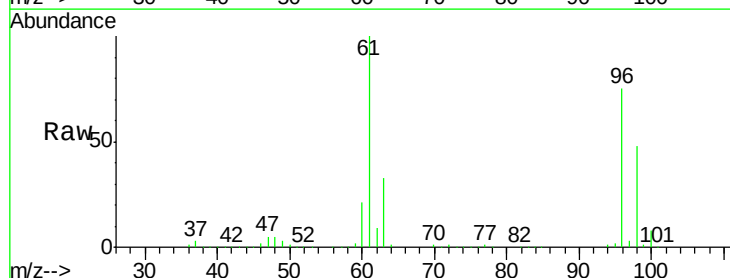
Tgt Ion: 96 Resp: 1881683

Ion Ratio Lower Upper

96 100

61 133.9 95.0 176.4

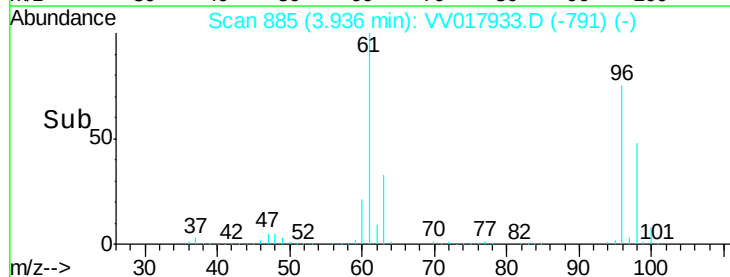
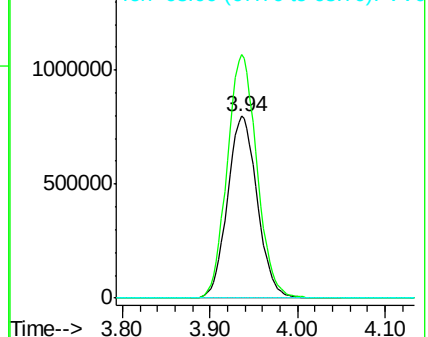
68 0.0 0.0 0.0

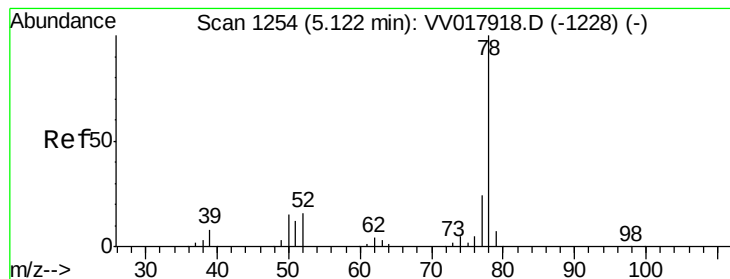


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 0.959 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

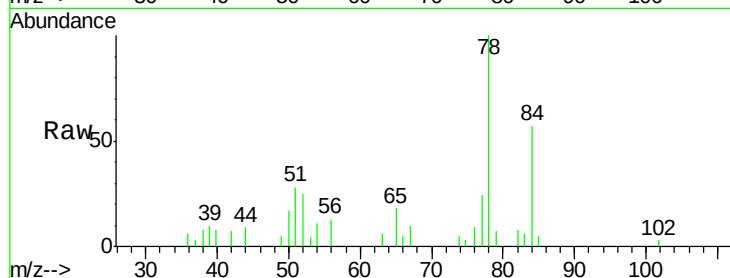
Instrument :

MSVOA_V

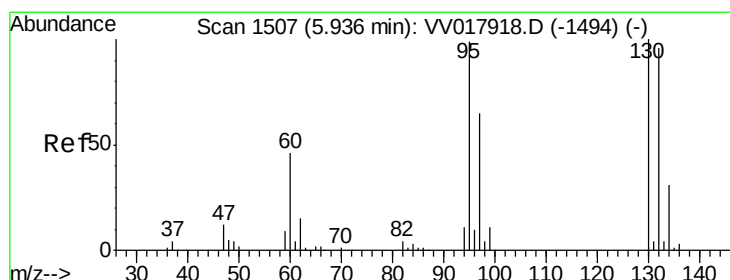
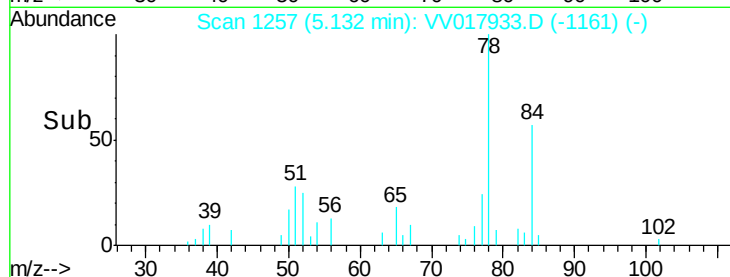
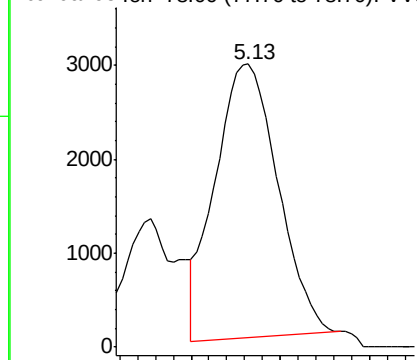
ClientSampled :

F2L67

Tgt Ion: 78 Resp: 7138



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 50.965 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

Tgt Ion: 95 Resp: 100305

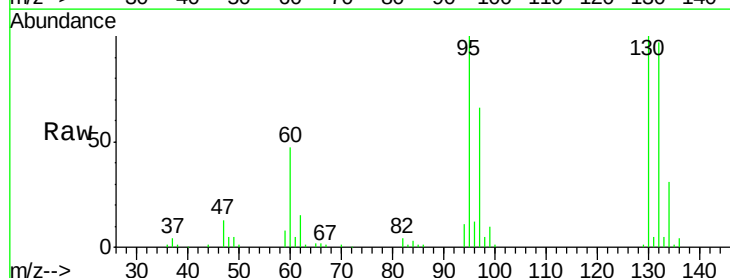
Ion Ratio Lower Upper

95 100

97 65.7 46.0 85.4

132 97.6 65.8 122.2

130 100.3 69.2 128.6

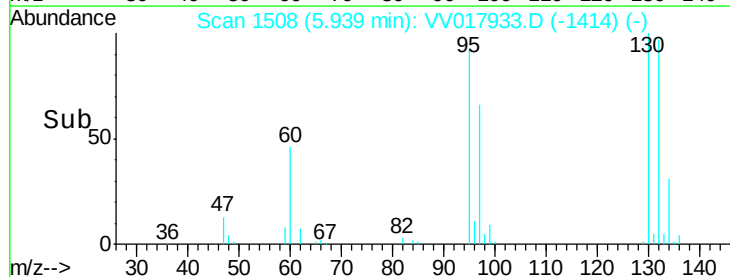
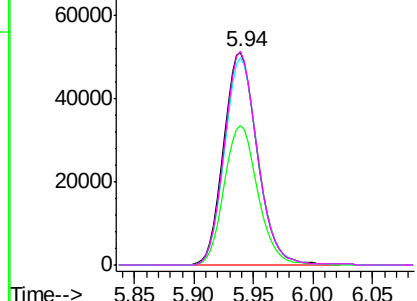


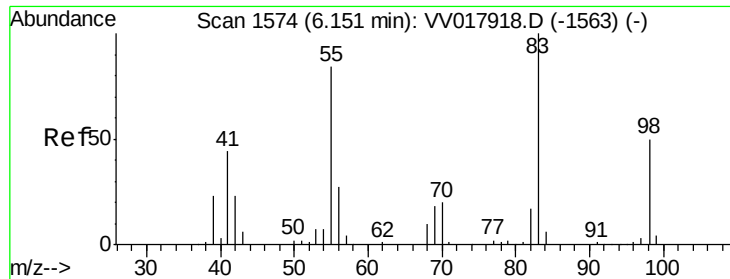
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

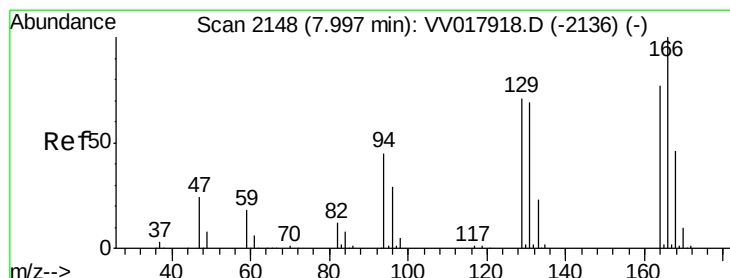
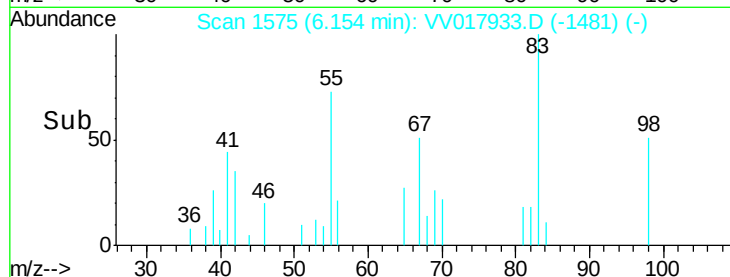
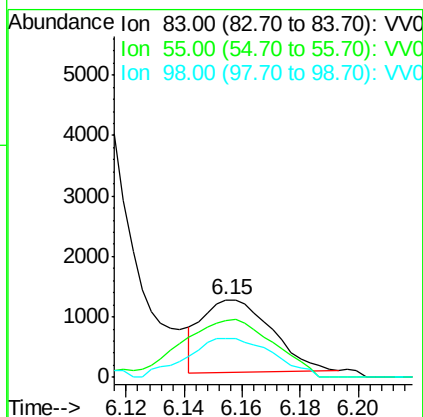
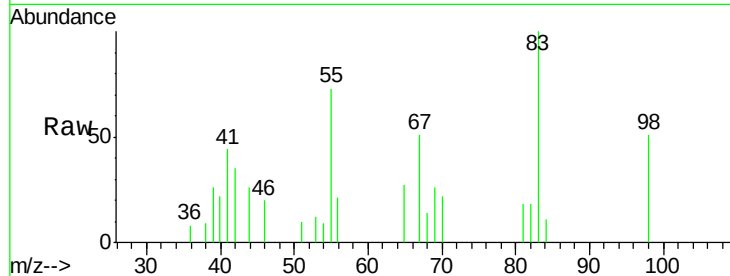




#35
Methylvlcyclohexane
Concen: 0.677 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017933.D
Acq: 12 Aug 2020 17:34

Instrument :
MSVOA_V
ClientSampled :
F2L67

Tot Ion: 83 Resp: 1982
Ion Ratio Lower Upper
83 100
55 105.5 64.9 97.3#
98 66.8 38.7 58.1#



#46
Tetrachloroethene
Concen: 21.090 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017933.D
Acq: 12 Aug 2020 17:34

Tgt Ion: 164 Resp: 30441
Ion Ratio Lower Upper
164 100
129 95.6 64.8 120.3
131 93.4 64.5 119.9
166 130.1 88.9 165.1

