

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017936.D
 Acq On : 12 Aug 2020 18:44
 Operator : SY/MD
 Sample : L3665-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L39

Quant Time: Aug 13 05:47:00 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	250199	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	242849	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109129	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	87887	46.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.08%
7) Chloroethane-d5	1.58	69	73740	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.12	63	128471	35.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.36%
21) 2-Butanone-d5	3.91	46	131205	104.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.94%
24) Chloroform-d	4.38	84	162902	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.76%
26) 1,2-Dichloroethane-d4	5.06	65	114168	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.16%
32) Benzene-d6	5.08	84	330073	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
36) 1,2-Dichloropropane-d6	6.09	67	109907	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.34	98	288887	48.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.64	79	46548	46.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.80%
47) 2-Hexanone-d5	8.11	63	67815	96.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	136616	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	114637	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%

Target Compounds

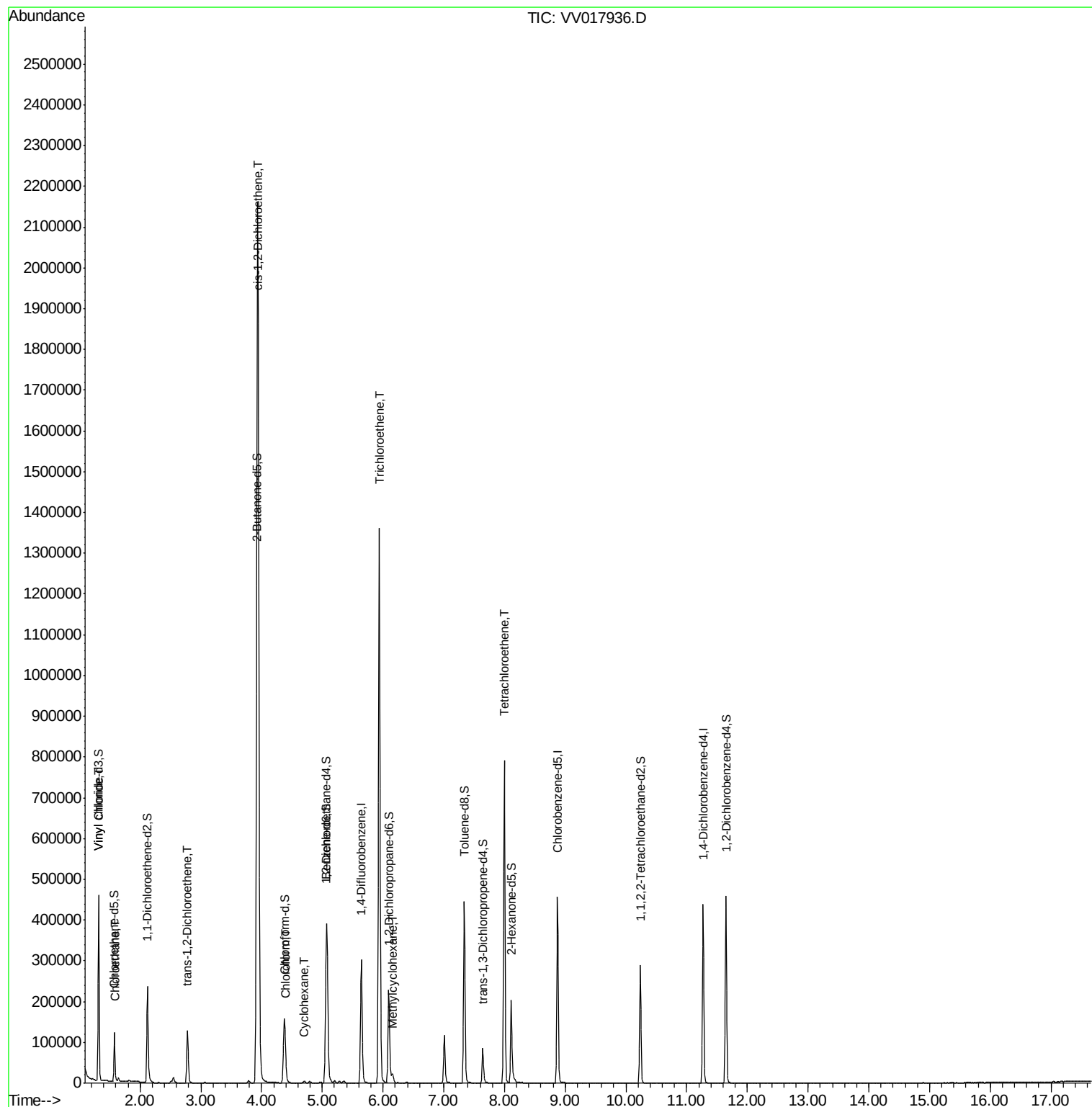
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	207181	93.192	ug/L	99
8) Chloroethane	1.59	64	2155	1.519	ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	42043	24.370	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	1171750	618.058	ug/L	100
25) Chloroform	4.40	83	4113	1.162	ug/L	77
29) Cyclohexane	4.70	56	2575	0.879	ug/L #	65
34) Trichloroethene	5.94	95	474369	238.857	ug/L	99
35) Methylcyclohexane	6.16	83	8413	2.849	ug/L	93
46) Tetrachloroethene	8.00	164	170340	116.950	ug/L	98

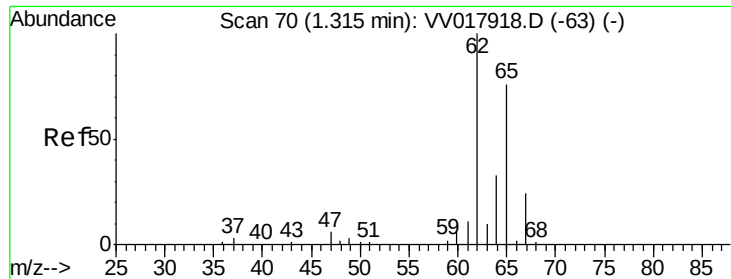
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 93.192 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

Instrument :

MSVOA_V

ClientSampleId :

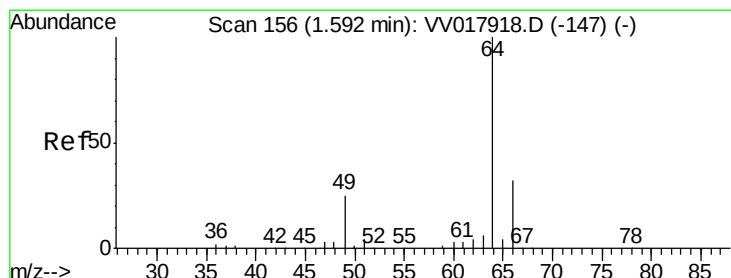
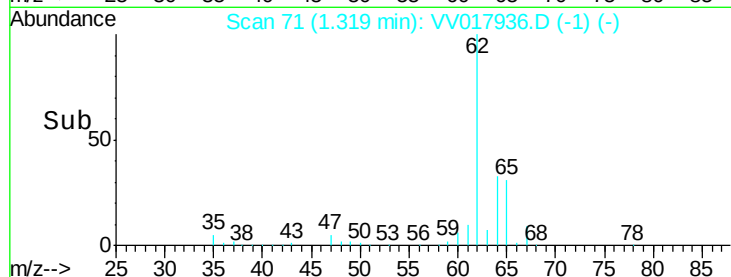
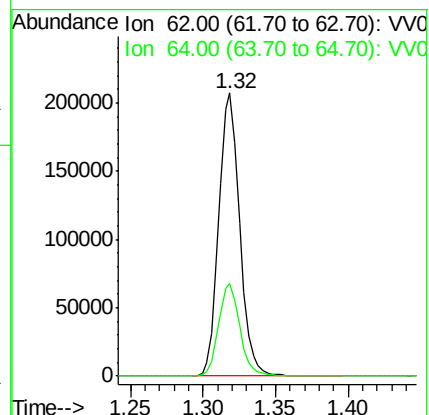
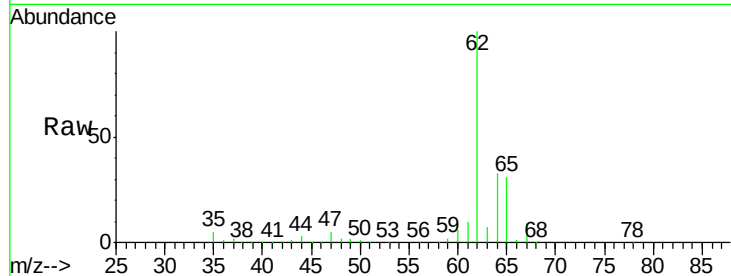
F4L39

Tot Ion: 62 Resp: 207181

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



#8

Chloroethane

Concen: 1.519 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017936.D

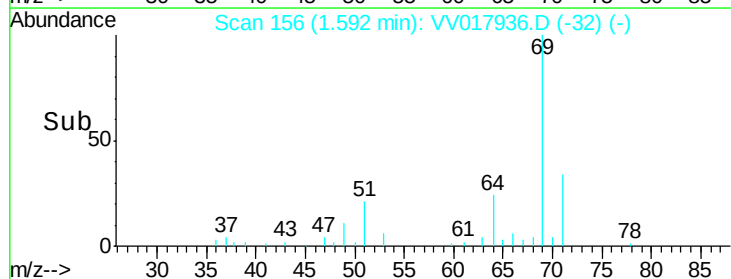
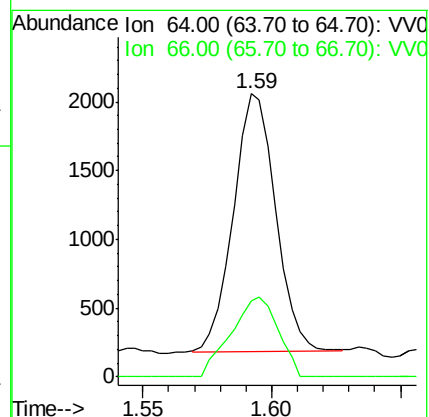
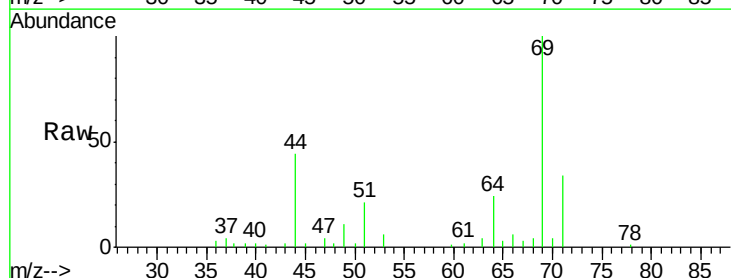
Acq: 12 Aug 2020 18:44

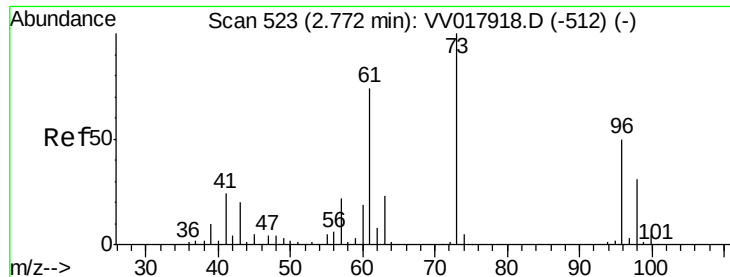
Tgt Ion: 64 Resp: 2155

Ion Ratio Lower Upper

64 100

66 26.7 22.3 41.3





#17

trans-1,2-Dichloroethene

Concen: 24.370 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

Instrument :

MSVOA_V

ClientSampleId :

F4L39

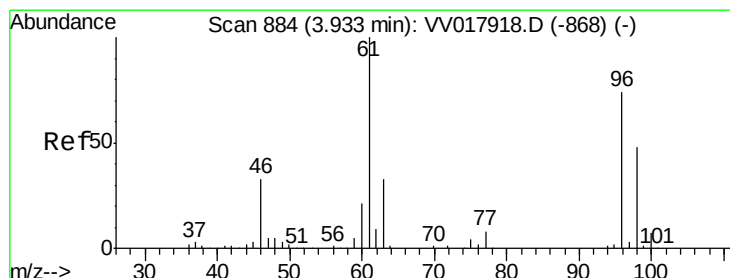
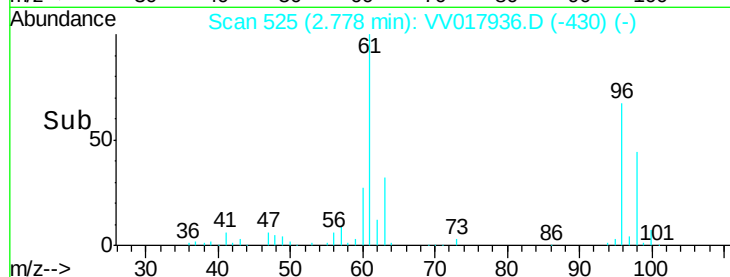
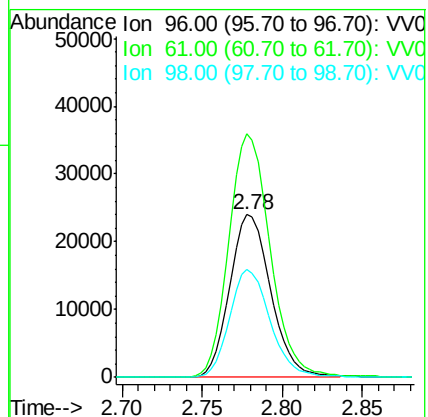
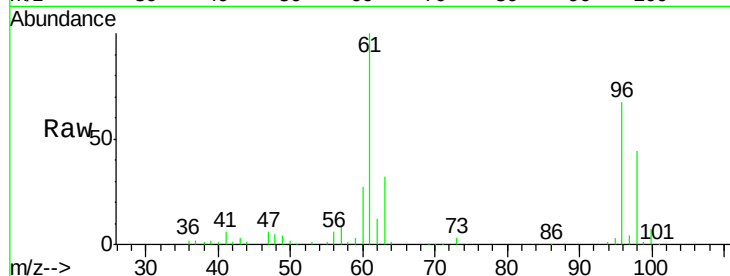
Tot Ion: 96 Resp: 42043

Ion Ratio Lower Upper

96 100

61 149.7 102.4 190.2

98 66.2 44.4 82.5



#20

cis-1,2-Dichloroethene

Concen: 618.058 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

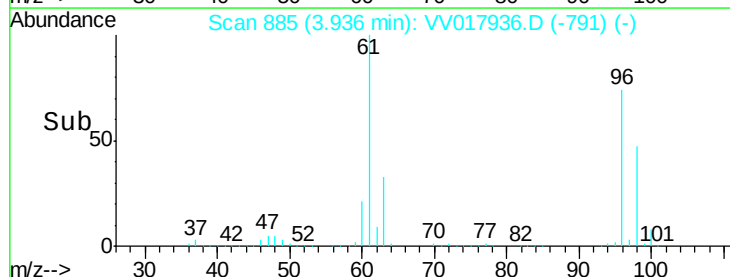
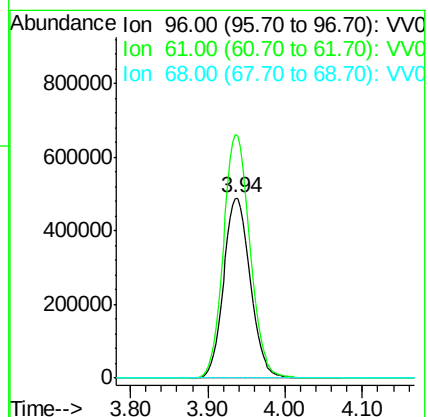
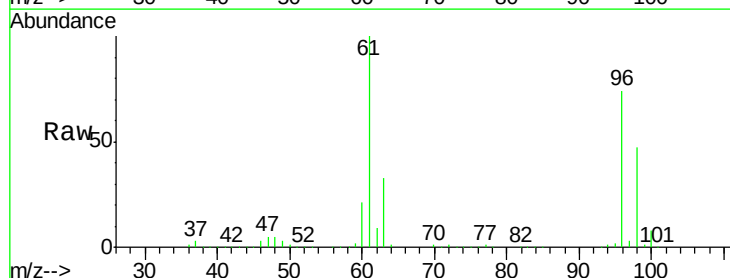
Tgt Ion: 96 Resp: 1171750

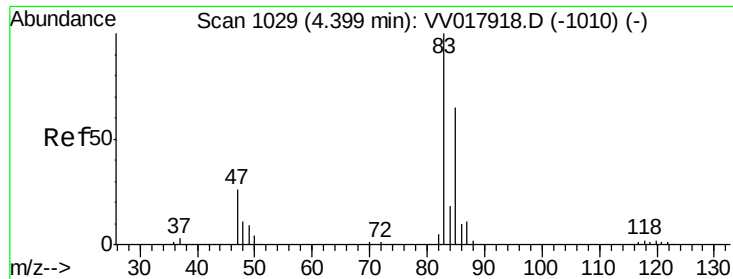
Ion Ratio Lower Upper

96 100

61 135.3 95.0 176.4

68 0.0 0.0 0.0

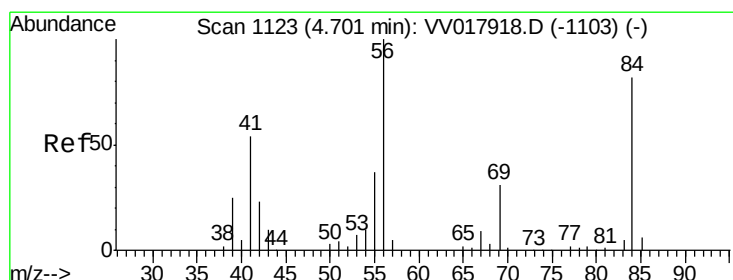
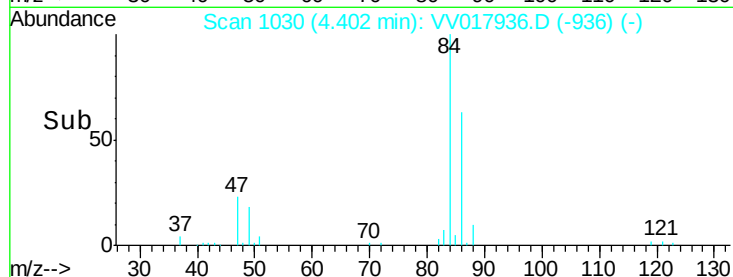
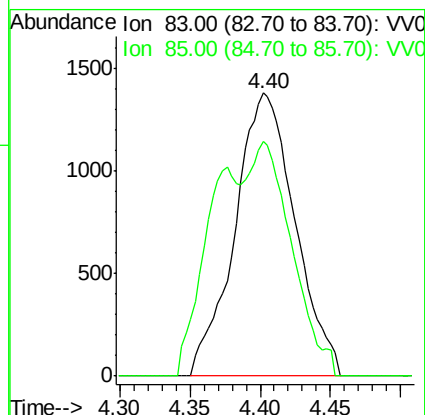
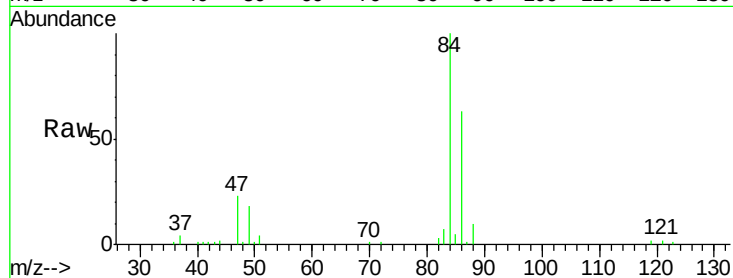




#25
Chloroform
Concen: 1.162 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017936.D
Acq: 12 Aug 2020 18:44

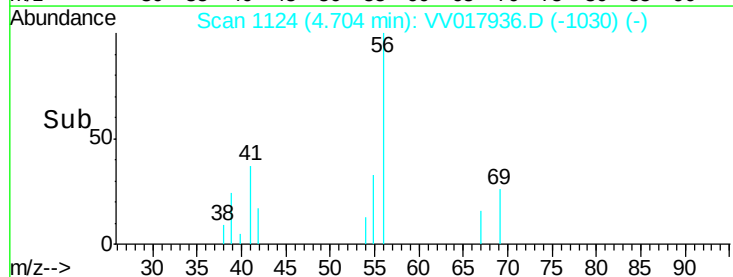
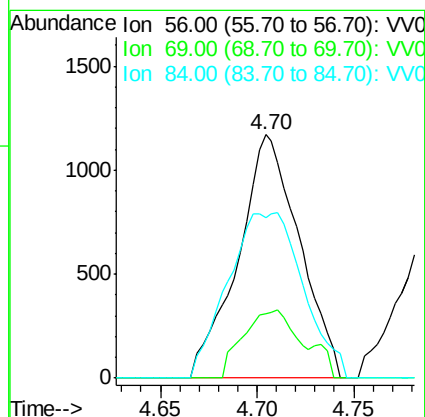
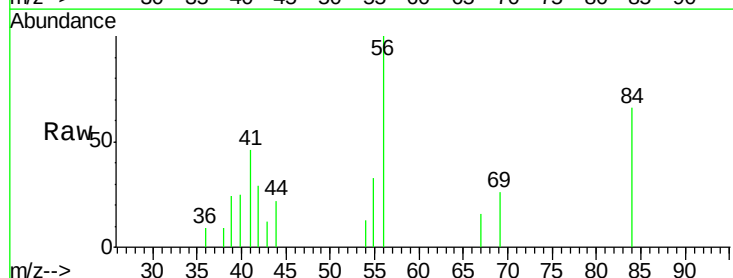
Instrument :
MSVOA_V
ClientSampled :
F4L39

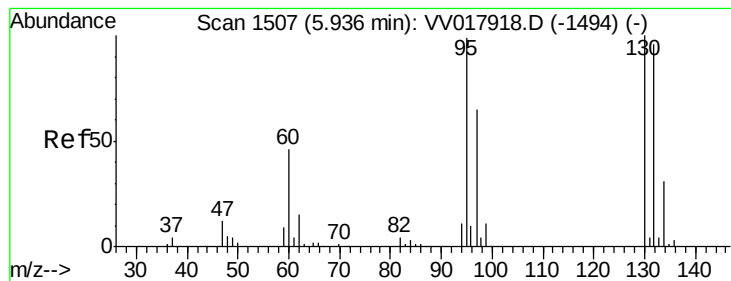
Tot Ion: 83 Resp: 4113
Ion Ratio Lower Upper
83 100
85 82.9 45.5 84.5



#29
Cyclohexane
Concen: 0.879 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017936.D
Acq: 12 Aug 2020 18:44

Tgt Ion: 56 Resp: 2575
Ion Ratio Lower Upper
56 100
69 24.0 23.8 35.8
84 44.2 66.8 100.2#





#34

Trichloroethene

Concen: 238.857 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

Instrument :

MSVOA_V

ClientSampled :

F4L39

Tot Ion: 95 Resp: 474369

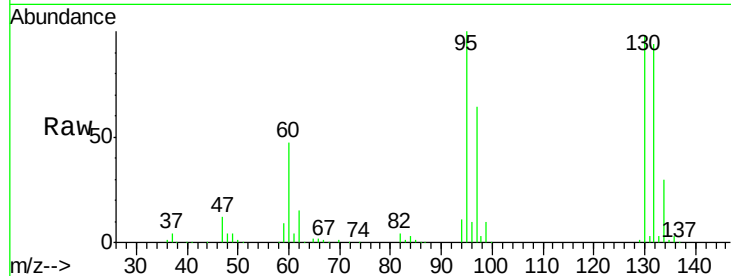
Ion Ratio Lower Upper

95 100

97 64.0 46.0 85.4

132 94.2 65.8 122.2

130 98.3 69.2 128.6

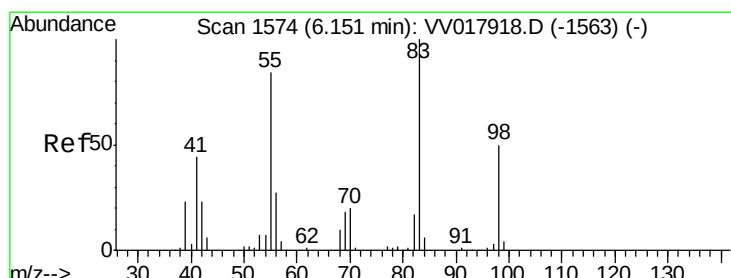
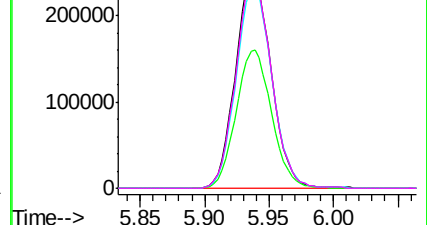
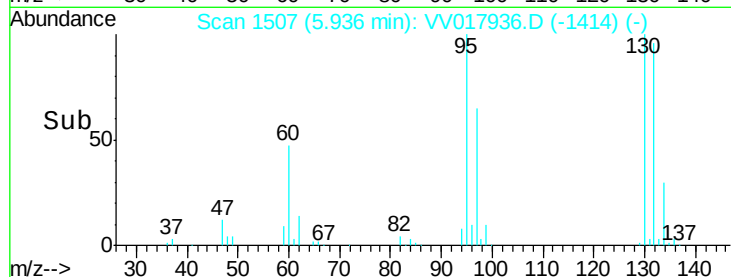


Abundance Ion 95.00 (94.70 to 95.70): VV017936.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV017936.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV017936.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV017936.D (-1414) (-)



#35

Methylcyclohexane

Concen: 2.849 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

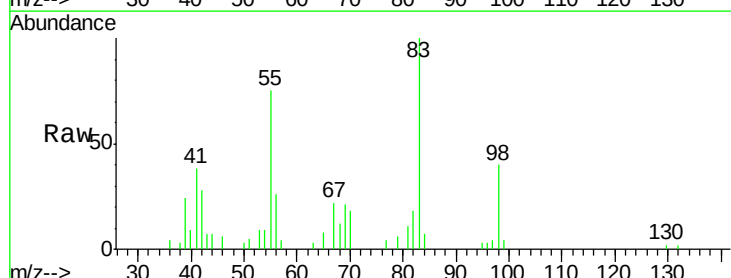
Tgt Ion: 83 Resp: 8413

Ion Ratio Lower Upper

83 100

55 88.5 64.9 97.3

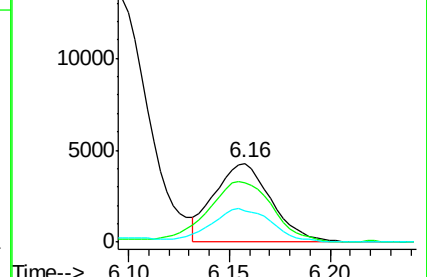
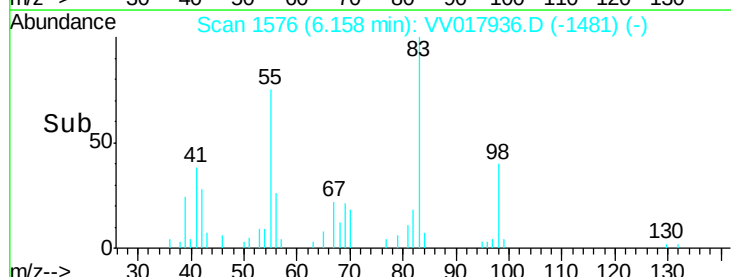
98 45.5 38.7 58.1

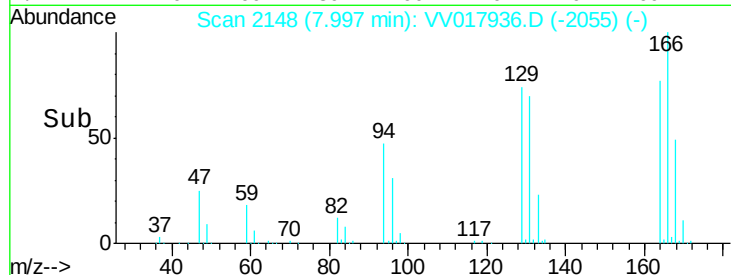
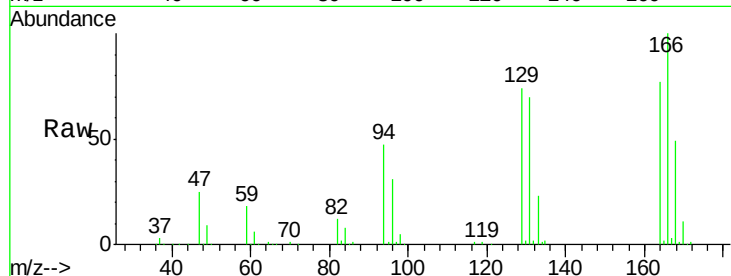
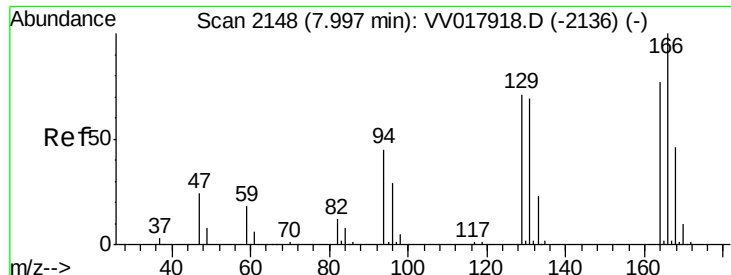


Abundance Ion 83.00 (82.70 to 83.70): VV017936.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV017936.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV017936.D (-1481) (-)





#46

Tetrachloroethene

Concen: 116.950 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017936.D

Acq: 12 Aug 2020 18:44

Instrument :
MSVOA_V
ClientSampleId :
F4L39

Tot Ion:164 Resp: 170340

Ion Ratio Lower Upper

164 100

129 96.2 64.8 120.3

131 91.2 64.5 119.9

166 129.5 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

