

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017937.D
 Acq On : 12 Aug 2020 19:08
 Operator : SY/MD
 Sample : L3644-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2M13

Quant Time: Aug 13 04:39:54 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	252566	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	244386	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108816	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	88632	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.98%
7) Chloroethane-d5	1.58	69	75284	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.50%
11) 1,1-Dichloroethene-d2	2.12	63	129828	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.44%
21) 2-Butanone-d5	3.91	46	128703	101.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.97%
24) Chloroform-d	4.38	84	163665	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	5.06	65	114776	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
32) Benzene-d6	5.08	84	332997	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
36) 1,2-Dichloropropane-d6	6.09	67	109332	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.30%
41) Toluene-d8	7.34	98	288860	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%
43) trans-1,3-Dichloropropene-	7.64	79	46790	46.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.70%
47) 2-Hexanone-d5	8.11	63	64607	91.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	137625	48.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	114950	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%

Target Compounds

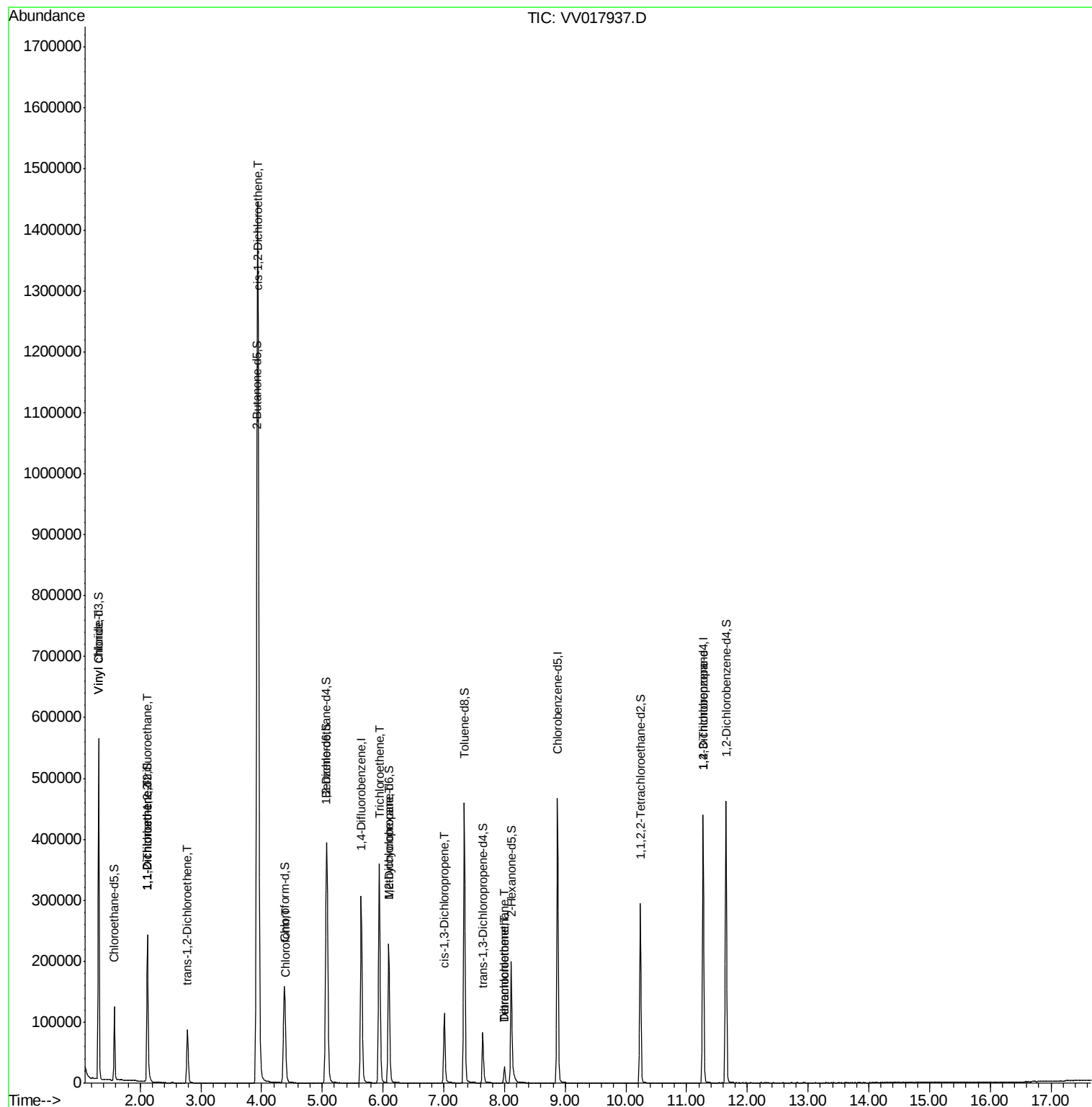
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	270079	120.345	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1265	0.707	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1847	1.090	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	32081	18.421	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	769452	402.056	ug/L	99
25) Chloroform	4.40	83	3848	1.077	ug/L	88
34) Trichloroethene	5.94	95	127110	63.601	ug/L	99
35) Methylcyclohexane	6.09	83	26139	8.796	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2807	0.960	ug/L #	67
46) Tetrachloroethene	8.00	164	5986	4.084	ug/L	90
49) Dibromochloromethane	8.00	129	5535	2.970	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	13716	5.386	ug/L	91

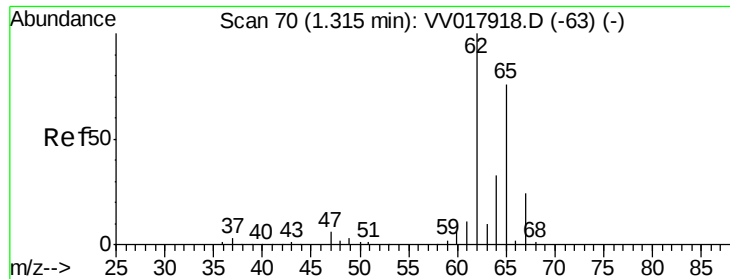
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 120.345 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

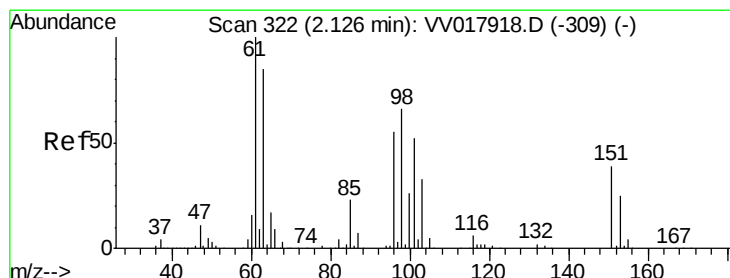
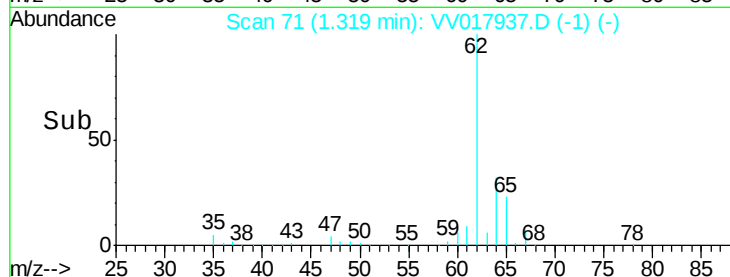
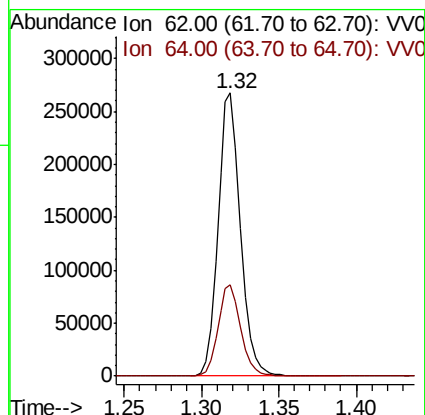
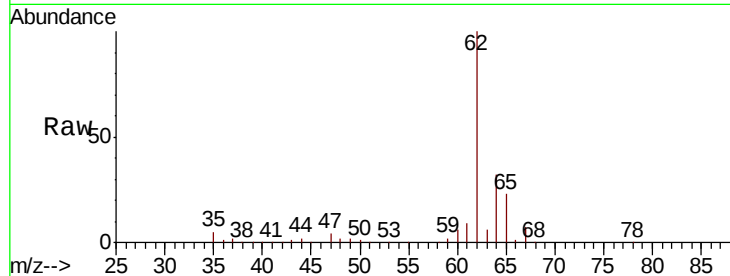
Instrument :
MSVOA_V
ClientSampleId :
F2M13

Tot Ion: 62 Resp: 270079

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.707 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

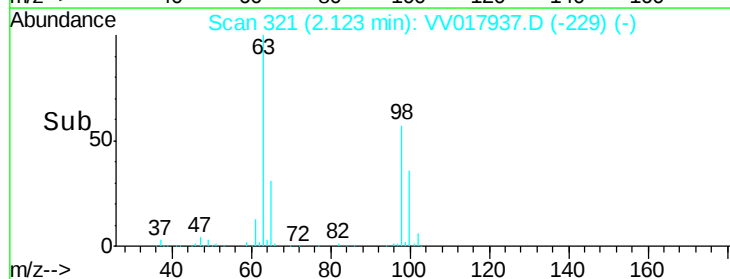
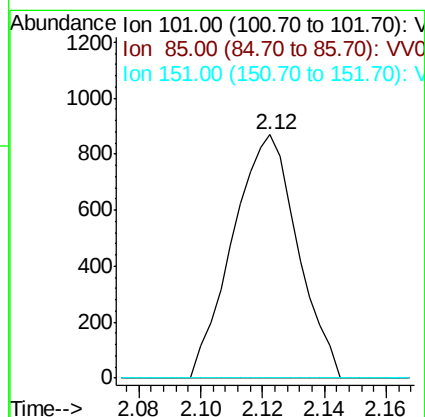
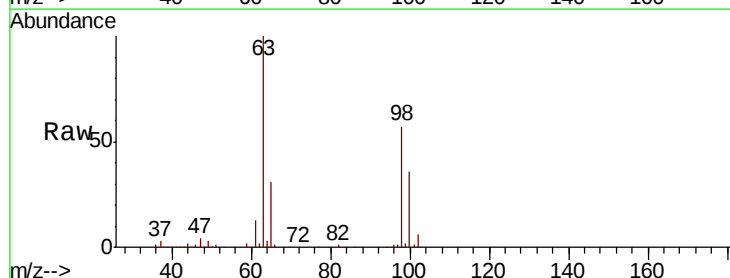
Tgt Ion: 101 Resp: 1265

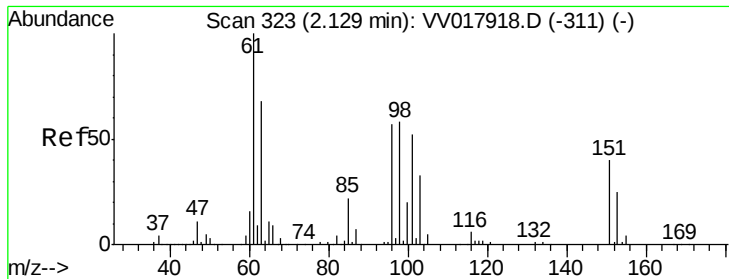
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#





#12

1,1-Dichloroethene

Concen: 1.090 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

F2M13

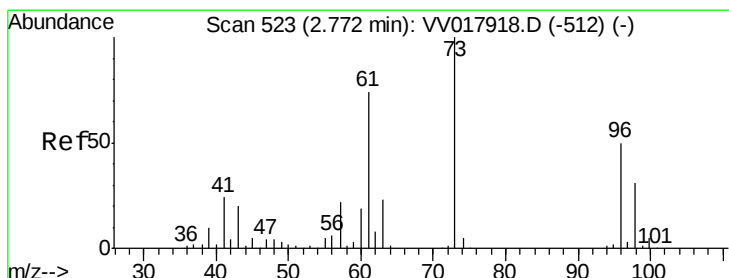
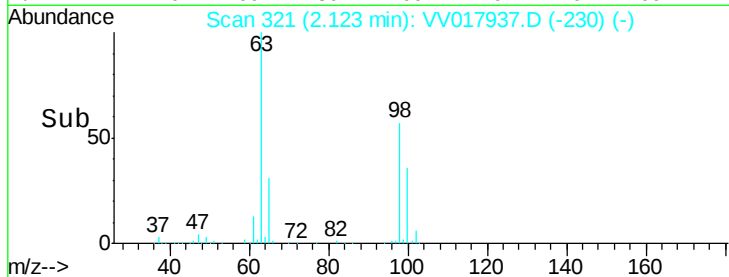
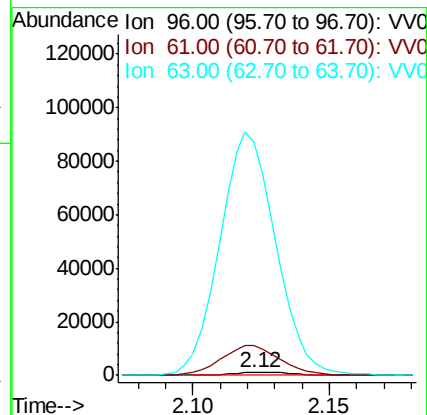
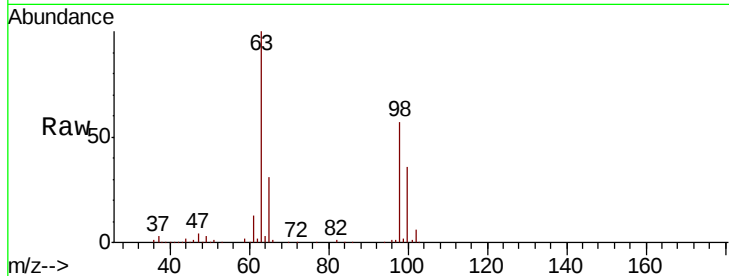
Tot Ion: 96 Resp: 1847

Ion Ratio Lower Upper

96 100

61 1011.9 127.1 236.0#

63 8064.9 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 18.421 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

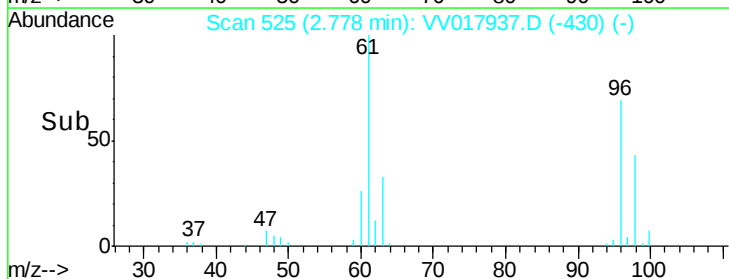
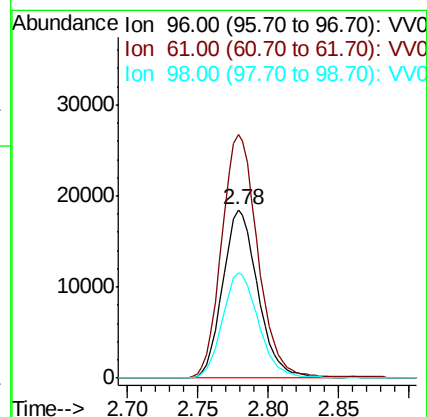
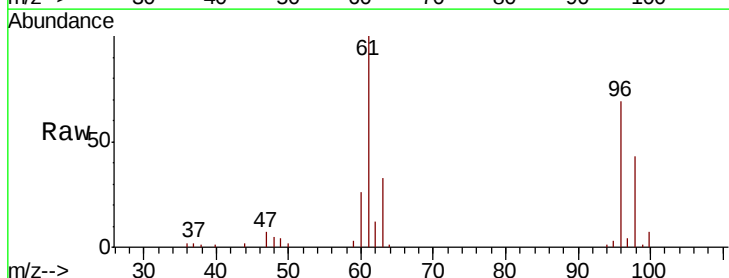
Tgt Ion: 96 Resp: 32081

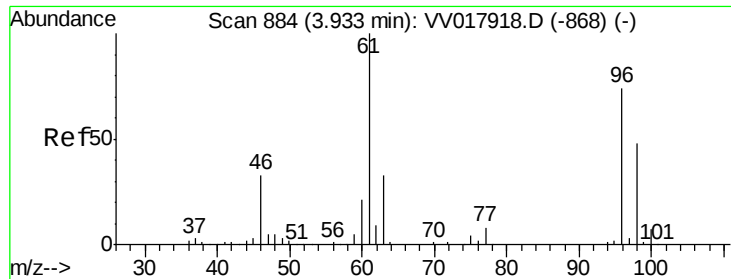
Ion Ratio Lower Upper

96 100

61 144.4 102.4 190.2

98 62.7 44.4 82.5

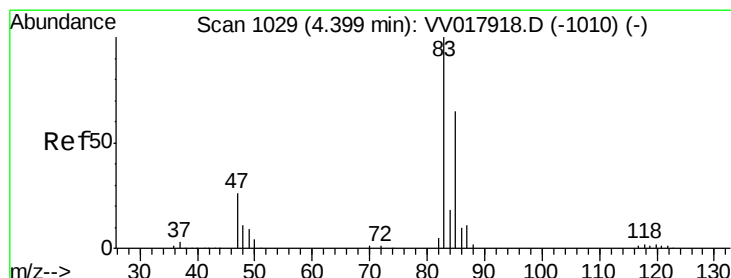
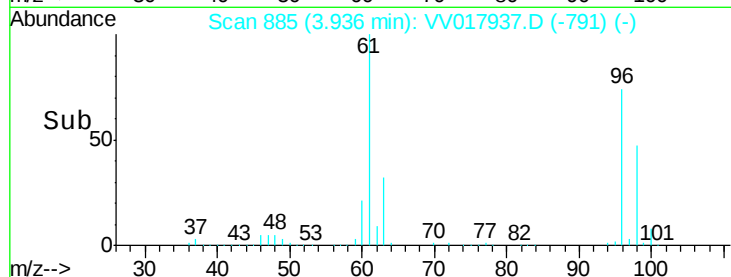
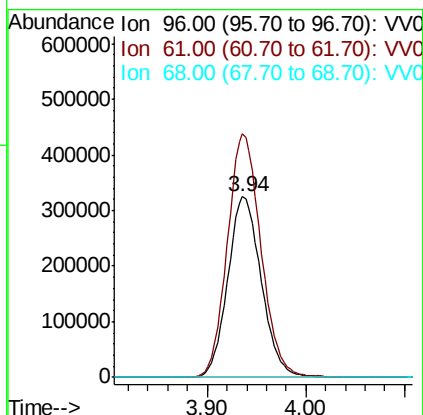
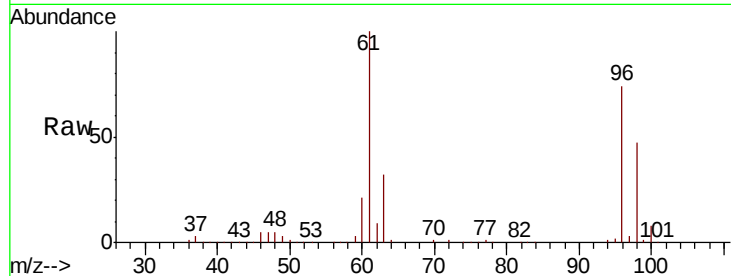




#20
 cis-1,2-Dichloroethene
 Concen: 402.056 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017937.D
 Acq: 12 Aug 2020 19:08

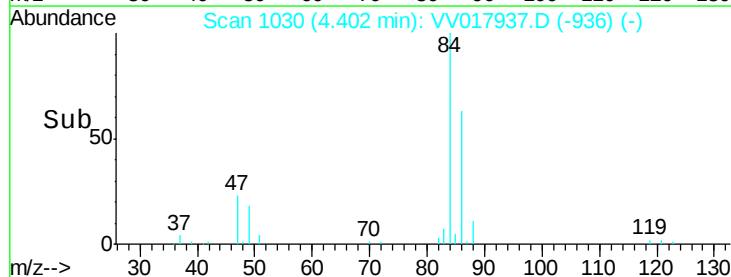
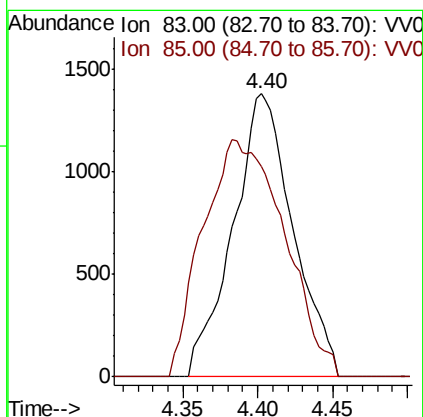
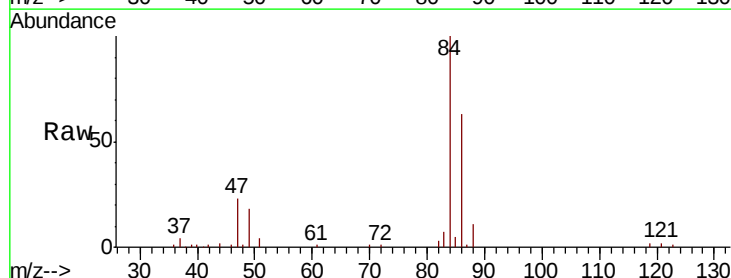
Instrument :
 MSVOA_V
 ClientSampled :
 F2M13

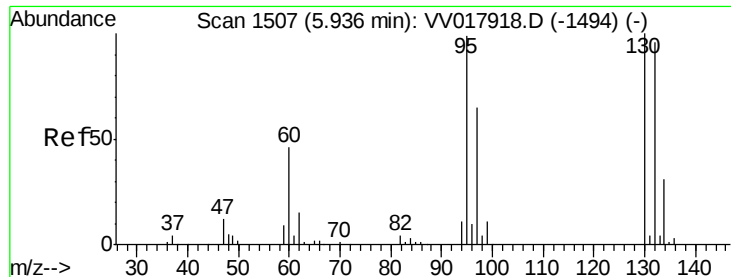
Tot Ion: 96 Resp: 769452
 Ion Ratio Lower Upper
 96 100
 61 134.9 95.0 176.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.077 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017937.D
 Acq: 12 Aug 2020 19:08

Tgt Ion: 83 Resp: 3848
 Ion Ratio Lower Upper
 83 100
 85 74.3 45.5 84.5





#34

Trichloroethene

Concen: 63.601 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

F2M13

Tot Ion: 95 Resp: 127110

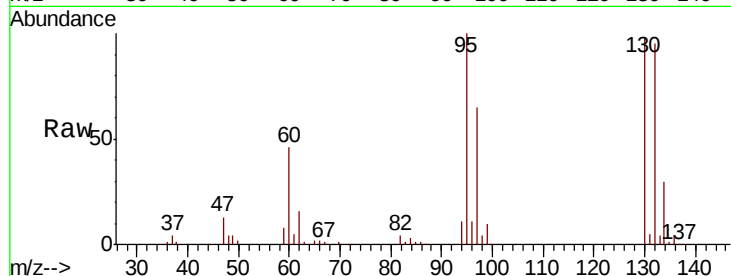
Ion Ratio Lower Upper

95 100

97 65.1 46.0 85.4

132 94.7 65.8 122.2

130 98.2 69.2 128.6

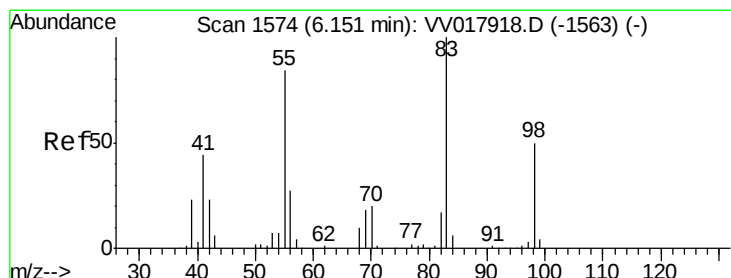
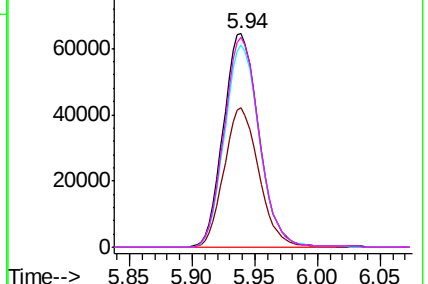
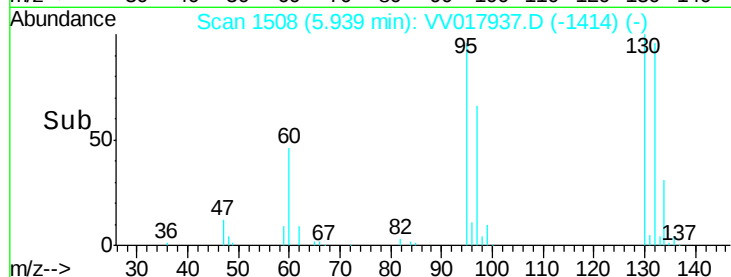


Abundance Ion 95.00 (94.70 to 95.70): VV017937.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV017937.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV017937.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV017937.D (-1414) (-)



#35

Methylcyclohexane

Concen: 8.796 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

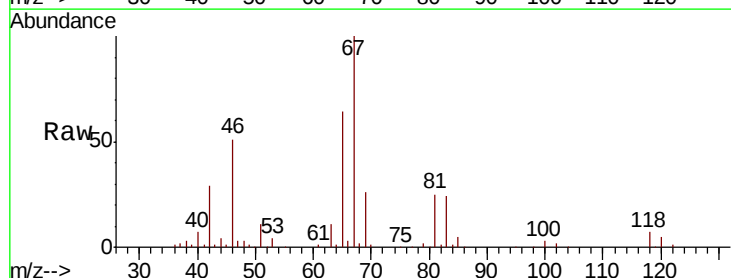
Tgt Ion: 83 Resp: 26139

Ion Ratio Lower Upper

83 100

55 0.5 64.9 97.3#

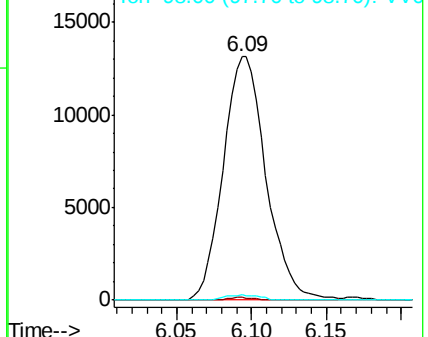
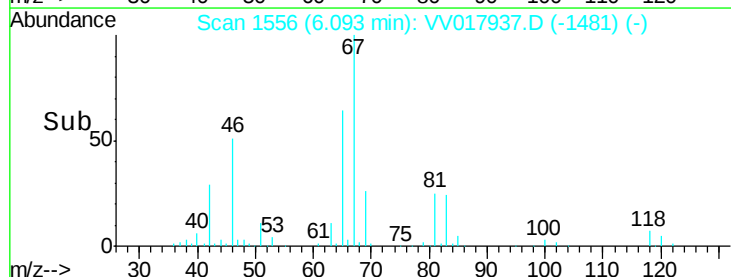
98 1.6 38.7 58.1#

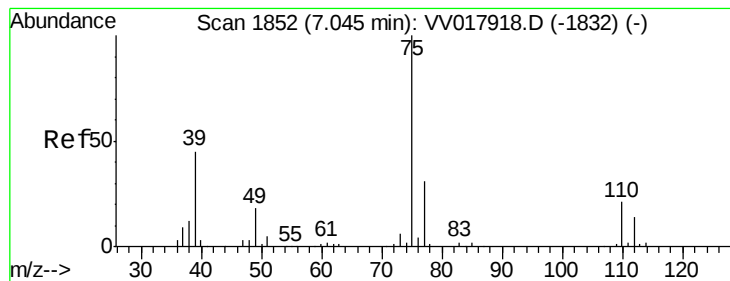


Abundance Ion 83.00 (82.70 to 83.70): VV017937.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV017937.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV017937.D (-1481) (-)



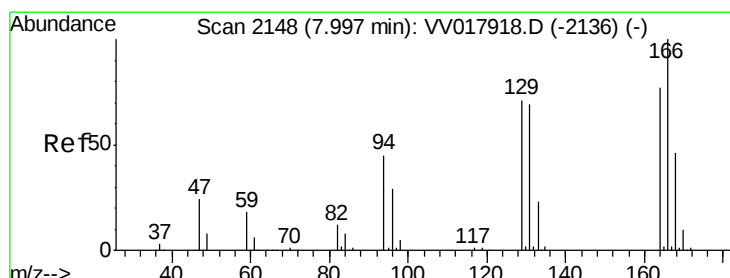
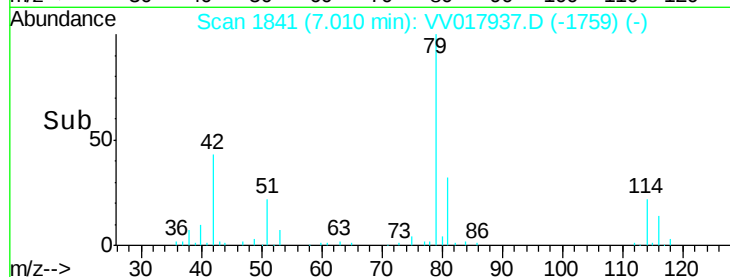
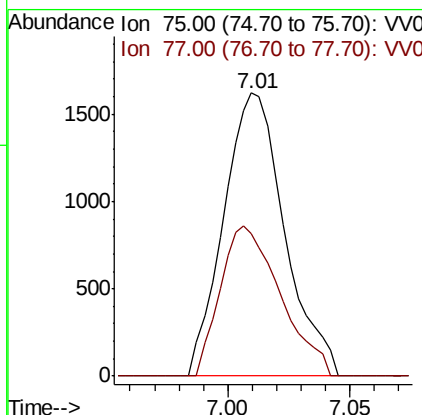
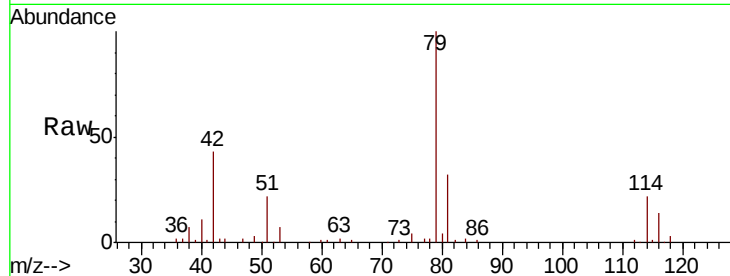


#39

cis-1,3-Dichloropropene
 Concen: 0.960 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017937.D
 Acq: 12 Aug 2020 19:08

Instrument :
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 ClientSampleId :
 F2M13

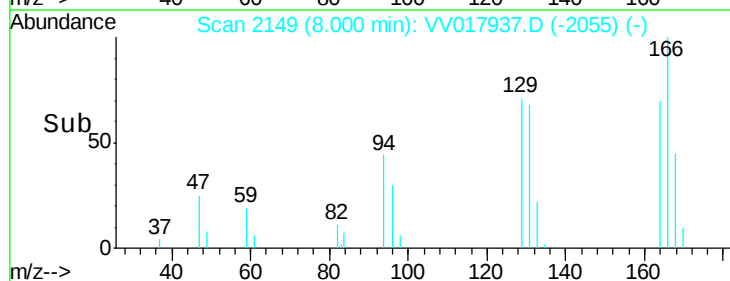
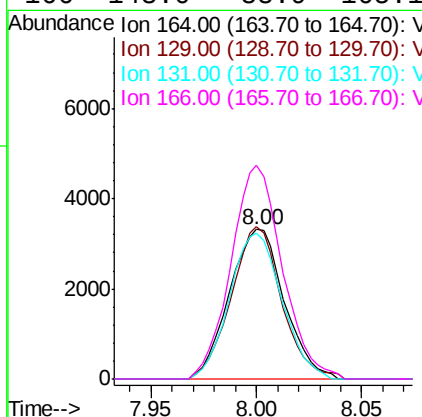
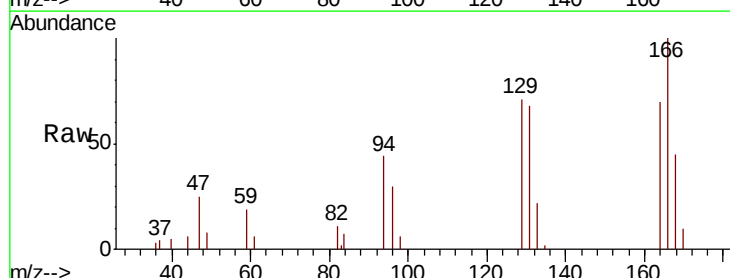
Tot Ion: 75 Resp: 2807
 Ion Ratio Lower Upper
 75 100
 77 50.5 22.3 41.5#

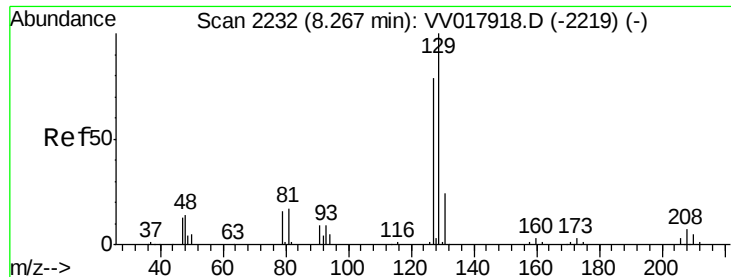


#46

Tetrachloroethene
 Concen: 4.084 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV017937.D
 Acq: 12 Aug 2020 19:08

Tgt Ion: 164 Resp: 5986
 Ion Ratio Lower Upper
 164 100
 129 101.6 64.8 120.3
 131 97.7 64.5 119.9
 166 143.0 88.9 165.1





#49

Dibromochloromethane

Concen: 2.970 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

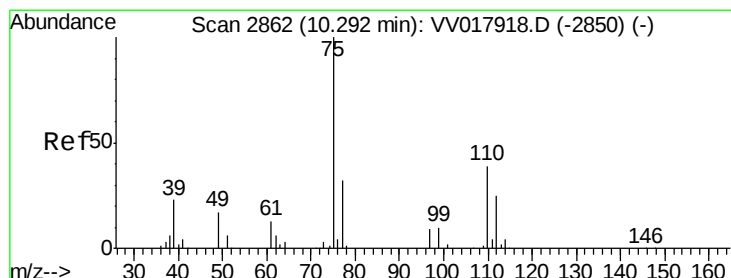
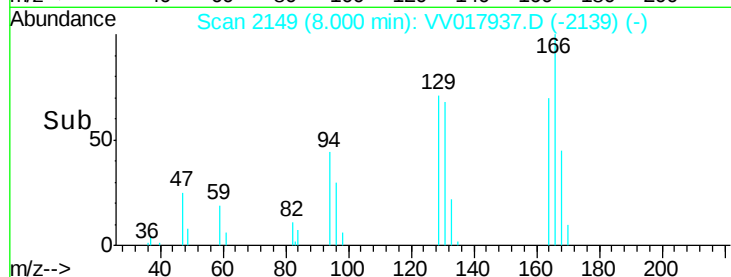
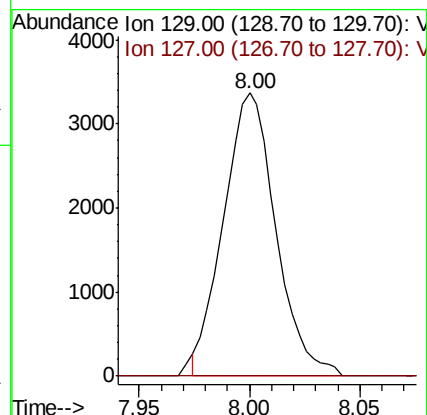
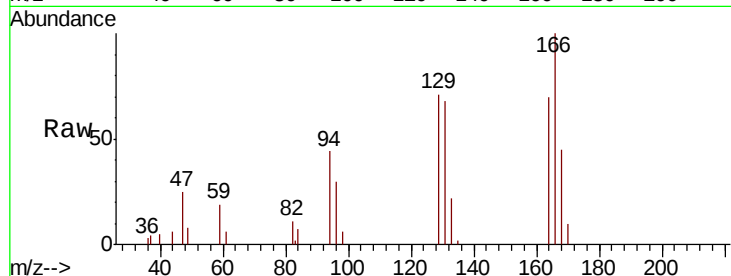
F2M13

Tot Ion:129 Resp: 5535

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#59

1,2,3-Trichloropropane

Concen: 5.386 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017937.D

Acq: 12 Aug 2020 19:08

Tgt Ion: 75 Resp: 13716

Ion Ratio Lower Upper

75 100

77 37.3 25.7 38.5

