

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017951.D
 Acq On : 13 Aug 2020 01:43
 Operator : SY/MD
 Sample : L3665-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L28

Quant Time: Aug 13 06:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238648	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	235144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89671	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.50%
7) Chloroethane-d5	1.58	69	71686	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.24%
11) 1,1-Dichloroethene-d2	2.12	63	161317	46.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.64%
21) 2-Butanone-d5	3.91	46	122831	102.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.99%
24) Chloroform-d	4.38	84	154075	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
26) 1,2-Dichloroethane-d4	5.06	65	109247	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
32) Benzene-d6	5.08	84	318067	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.09	67	105850	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.92%
41) Toluene-d8	7.34	98	279282	47.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.84%
43) trans-1,3-Dichloropropene-	7.64	79	44585	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.11	63	60586	89.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	130214	47.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	113104	53.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.36%

Target Compounds

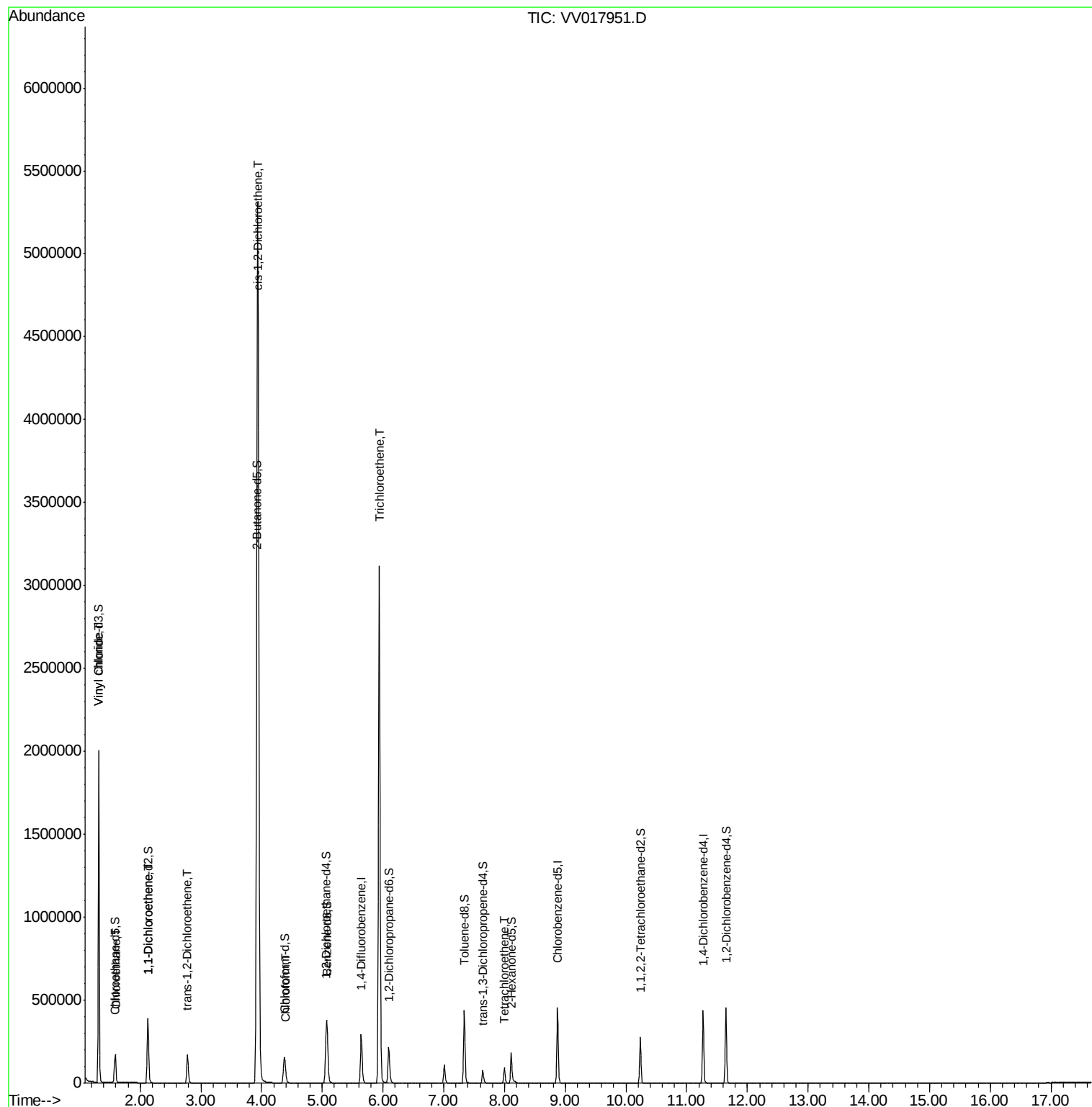
					Ovalue
5) Vinyl chloride	1.32	62	1144422	539.686	ug/L 99
8) Chloroethane	1.60	64	90573	66.920	ug/L 100
12) 1,1-Dichloroethene	2.13	96	70426	43.993	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	63200	38.406	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	2885511	1595.675	ug/L 99
25) Chloroform	4.40	83	5499	1.629	ug/L 88
34) Trichloroethene	5.94	95	1083023	563.198	ug/L 99
46) Tetrachloroethene	8.00	164	20862	14.793	ug/L 98

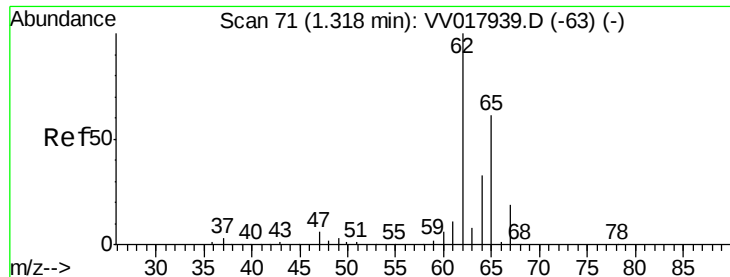
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 539.686 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017951.D

Acq: 13 Aug 2020 01:43

Instrument :

MSVOA_V

ClientSampled :

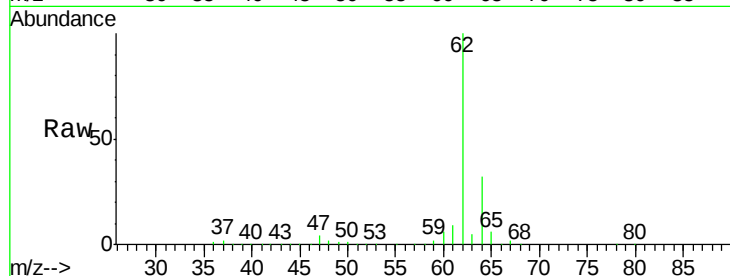
F4L28

Tot Ion: 62 Resp: 1144422

Ion Ratio Lower Upper

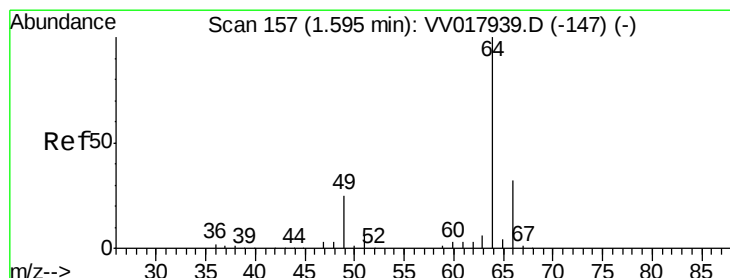
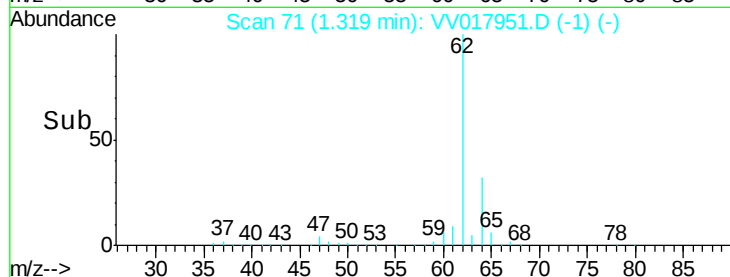
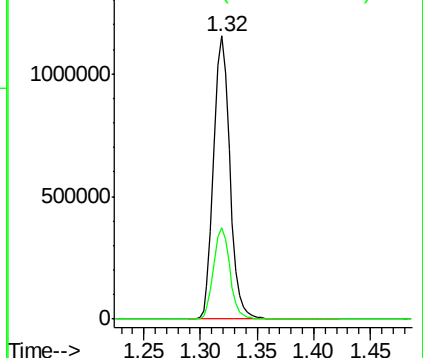
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 66.920 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017951.D

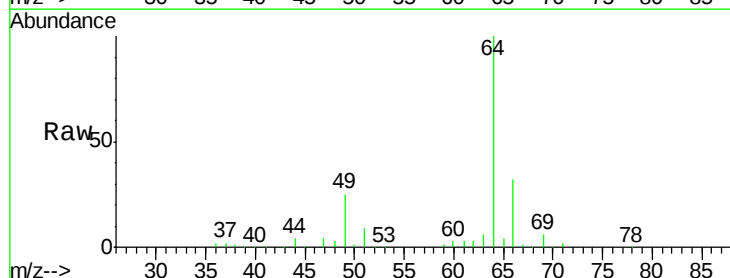
Acq: 13 Aug 2020 01:43

Tgt Ion: 64 Resp: 90573

Ion Ratio Lower Upper

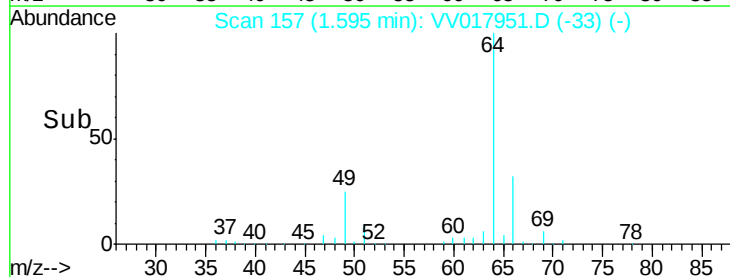
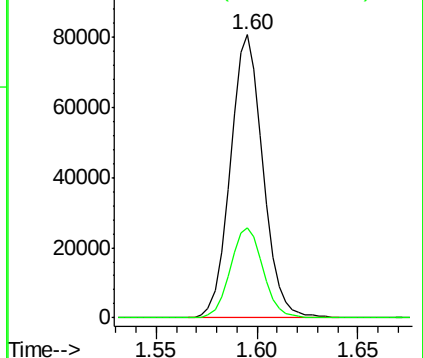
64 100

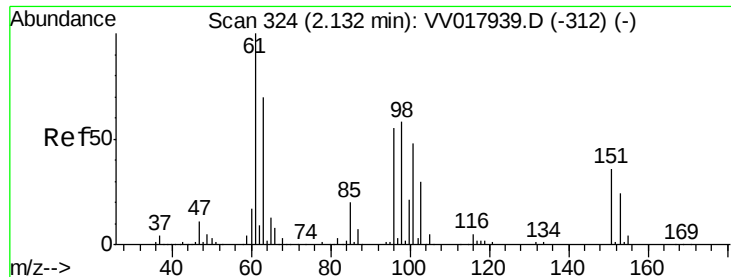
66 32.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 43.993 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017951.D

Acq: 13 Aug 2020 01:43

Instrument :

MSVOA_V

ClientSampled :

F4L28

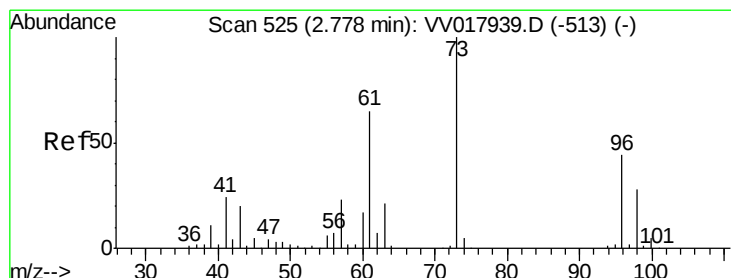
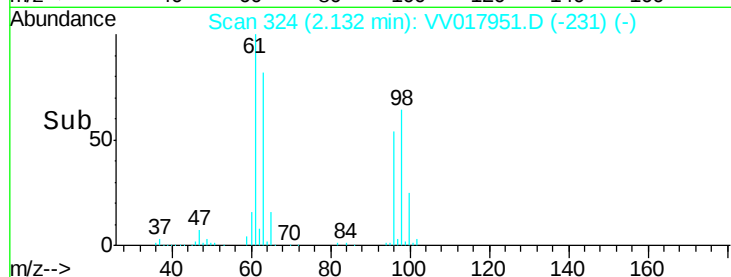
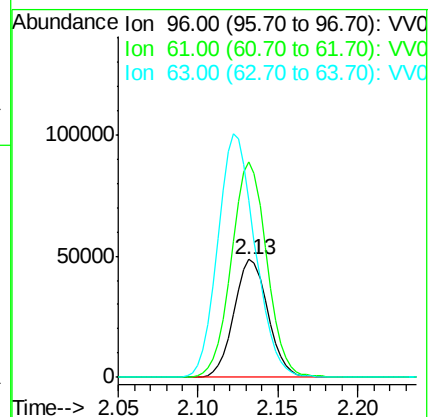
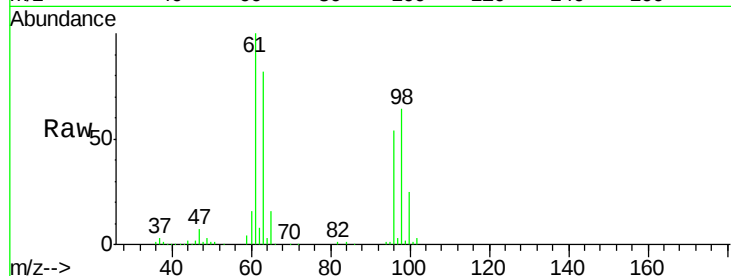
Tot Ion: 96 Resp: 70426

Ion Ratio Lower Upper

96 100

61 183.5 127.1 236.0

63 150.1 95.2 176.8



#17

trans-1,2-Dichloroethene

Concen: 38.406 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017951.D

Acq: 13 Aug 2020 01:43

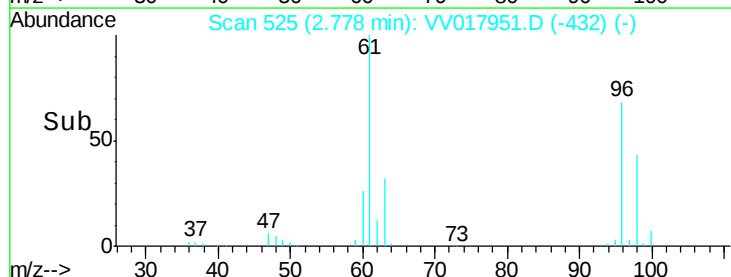
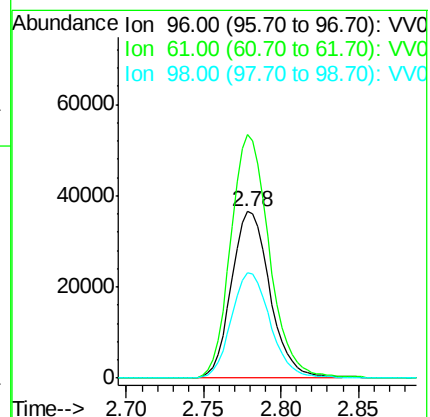
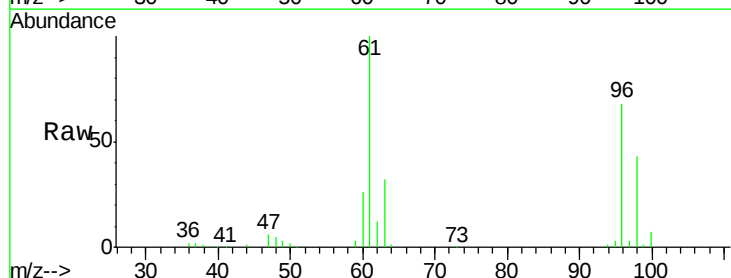
Tgt Ion: 96 Resp: 63200

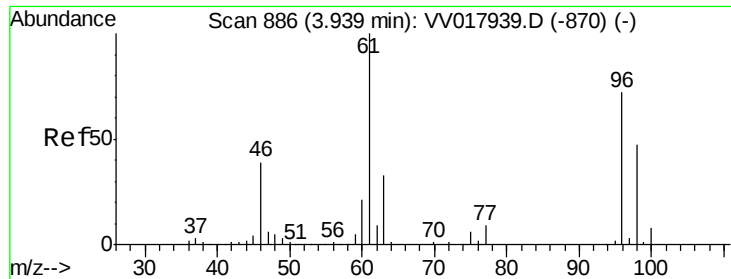
Ion Ratio Lower Upper

96 100

61 146.2 102.4 190.2

98 63.4 44.4 82.5

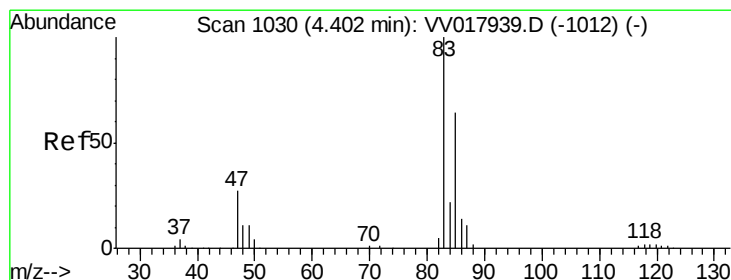
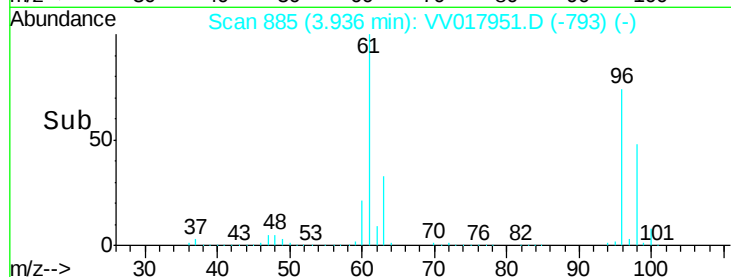
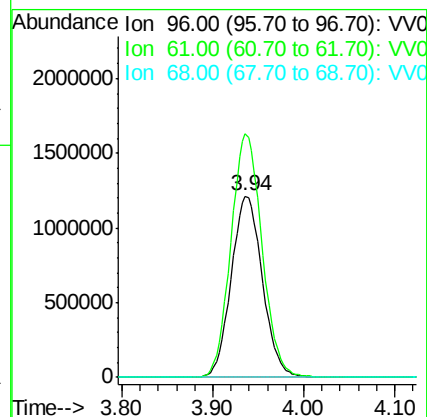
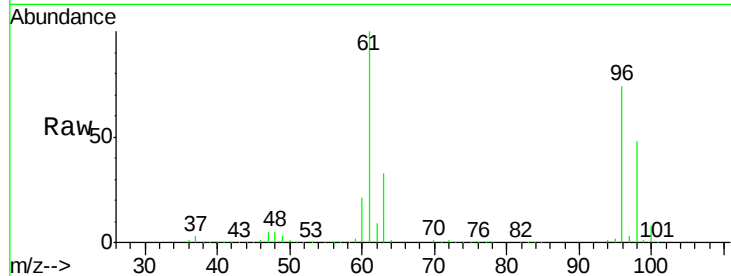




#20
 cis-1,2-Dichloroethene
 Concen: 1595.675 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017951.D
 Acq: 13 Aug 2020 01:43

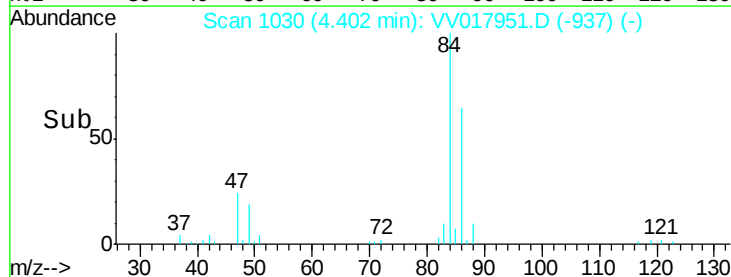
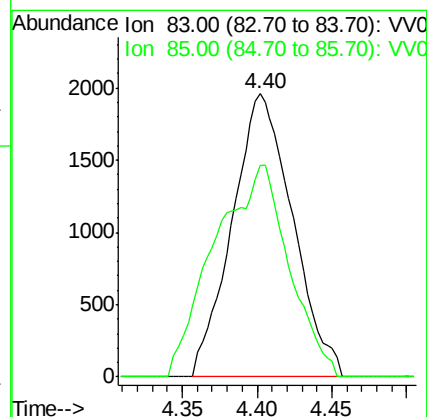
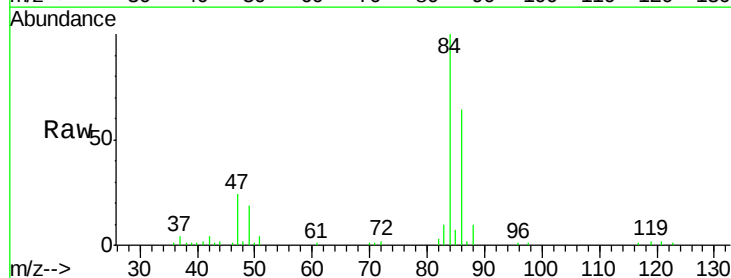
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 F4L28

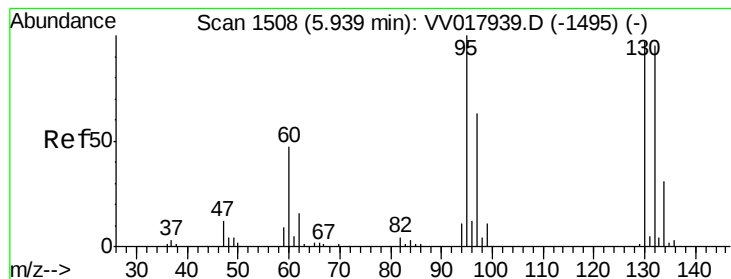
Tot Ion: 96 Resp: 288511
 Ion Ratio Lower Upper
 96 100
 61 134.3 95.0 176.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.629 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017951.D
 Acq: 13 Aug 2020 01:43

Tgt Ion: 83 Resp: 5499
 Ion Ratio Lower Upper
 83 100
 85 74.7 45.5 84.5





#34

Trichloroethene

Concen: 563.198 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017951.D

Acq: 13 Aug 2020 01:43

Instrument :

MSVOA_V

ClientSampled :

F4L28

Tot Ion: 95 Resp: 1083023

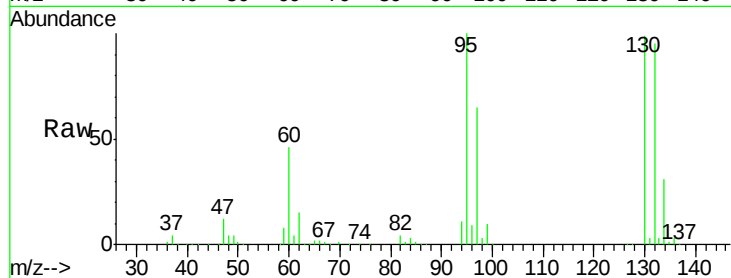
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 95.0 65.8 122.2

130 98.7 69.2 128.6

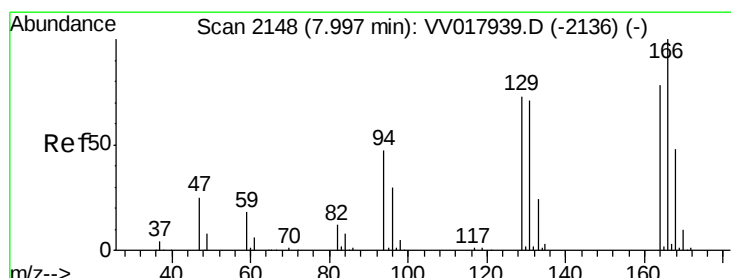
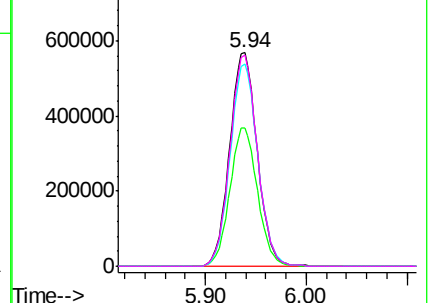
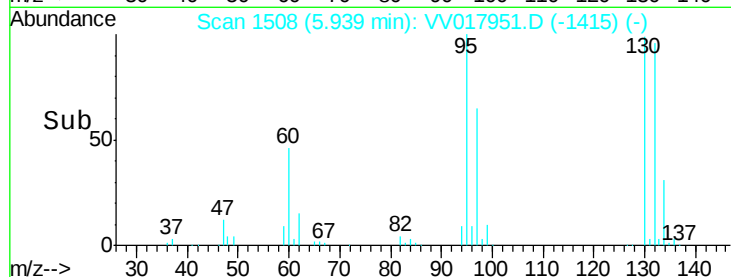


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 14.793 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017951.D

Acq: 13 Aug 2020 01:43

Tgt Ion: 164 Resp: 20862

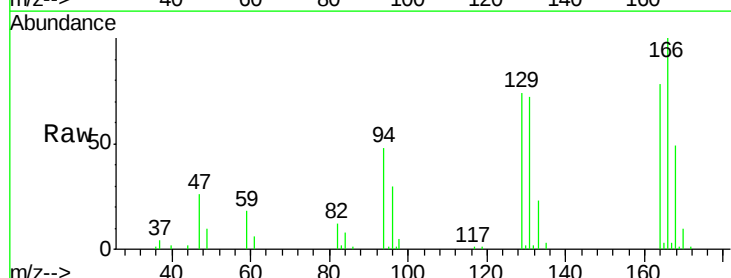
Ion Ratio Lower Upper

164 100

129 95.0 64.8 120.3

131 92.3 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

