

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017920.D
 Acq On : 12 Aug 2020 12:06
 Operator : SY/MD
 Sample : L3644-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L61

Quant Time: Aug 13 04:36:36 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	268638	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	118068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	95937	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.62%
7) Chloroethane-d5	1.58	69	78215	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.28%
11) 1,1-Dichloroethene-d2	2.12	63	138812	35.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.82%
21) 2-Butanone-d5	3.91	46	134409	100.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.12%
24) Chloroform-d	4.37	84	171242	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.05	65	118769	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.07	84	346611	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
36) 1,2-Dichloropropane-d6	6.09	67	113491	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	7.34	98	303687	46.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.64	79	49964	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.18%
47) 2-Hexanone-d5	8.11	63	72876	96.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	143308	46.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.10%
64) 1,2-Dichlorobenzene-d4	11.65	152	119999	51.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.28%

Target Compounds

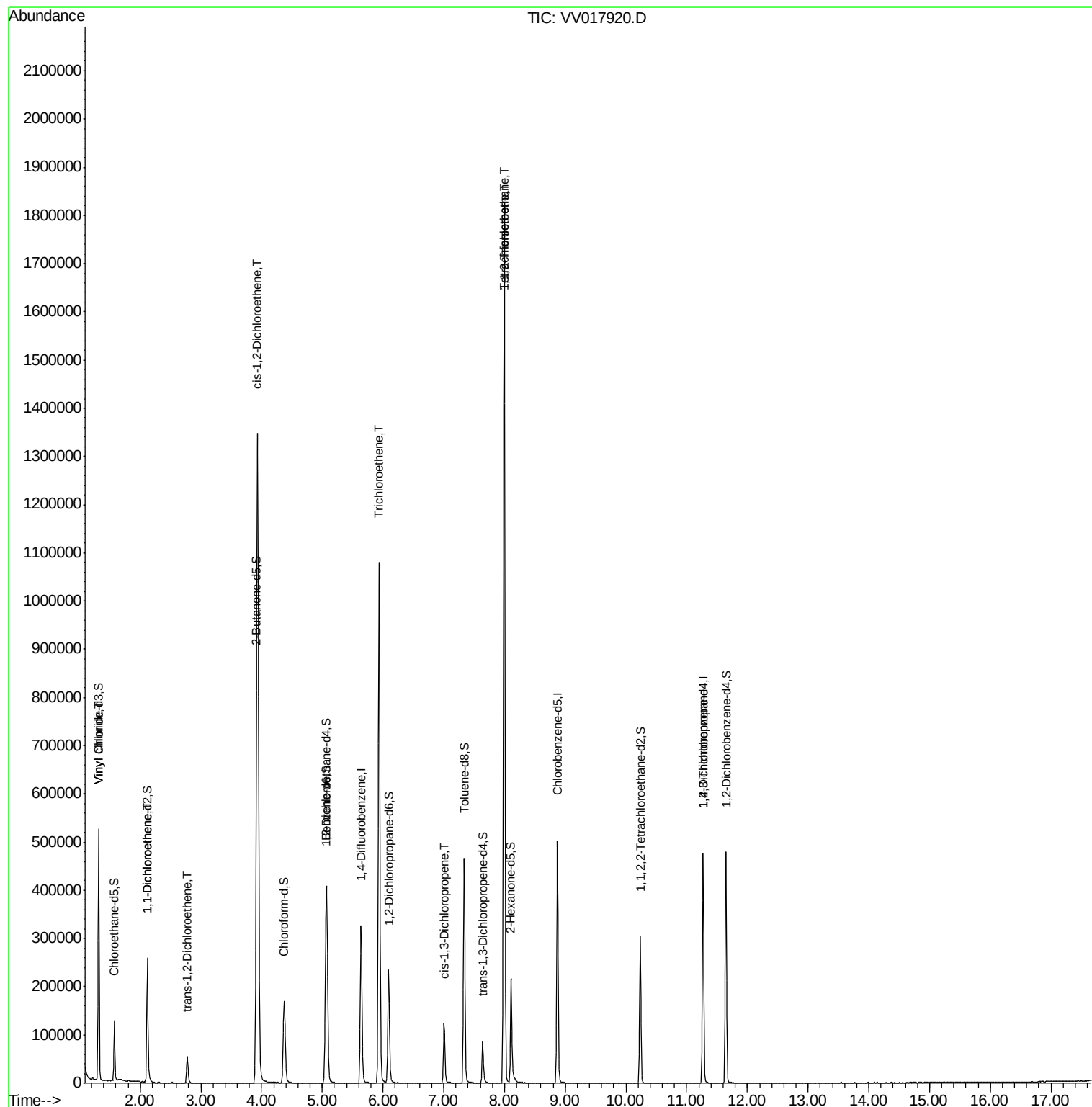
					Ovalue
5) Vinyl chloride	1.32	62	242044	101.400	ug/L 99
12) 1,1-Dichloroethene	2.13	96	4491	2.492	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	20376	11.000	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	719026	353.229	ug/L 98
34) Trichloroethene	5.94	95	379398	176.801	ug/L 99
39) cis-1,3-Dichloropropene	7.00	75	2951	0.940	ug/L # 73
45) 1,1,2-Trichloroethane	7.99	97	3461	1.688	ug/L # 1
46) Tetrachloroethene	8.00	164	402190	255.555	ug/L 99
59) 1,2,3-Trichloropropane	11.27	75	14457	5.287	ug/L 93

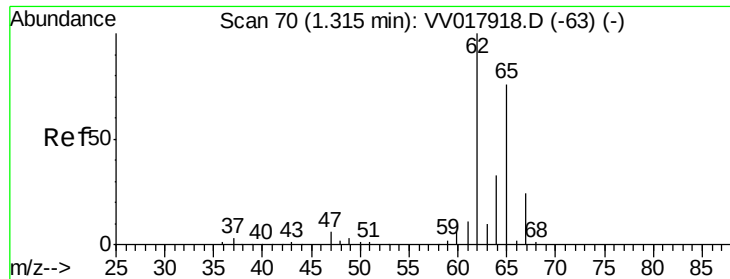
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 101.400 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

Instrument :

MSVOA_V

ClientSampled :

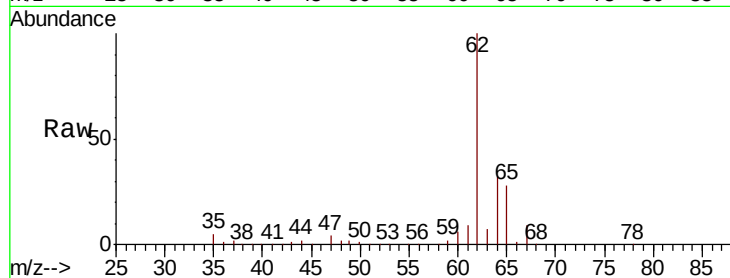
F2L61

Tot Ion: 62 Resp: 242044

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

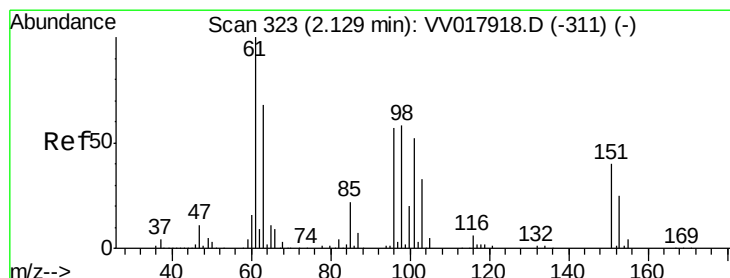
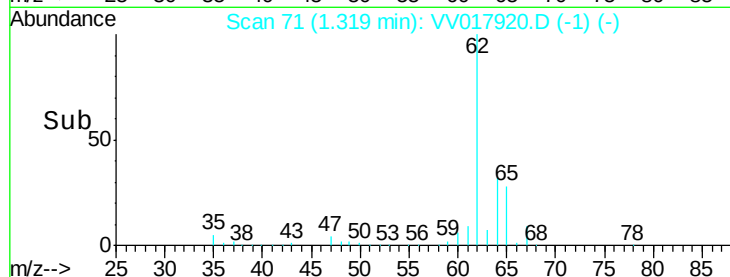
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#12

1,1-Dichloroethene

Concen: 2.492 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

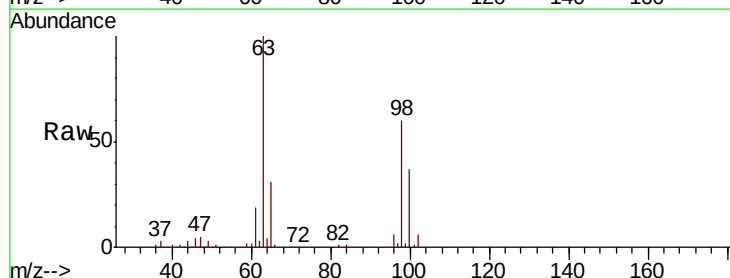
Tgt Ion: 96 Resp: 4491

Ion Ratio Lower Upper

96 100

61 335.8 127.1 236.0#

63 1735.4 95.2 176.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

120000

100000

80000

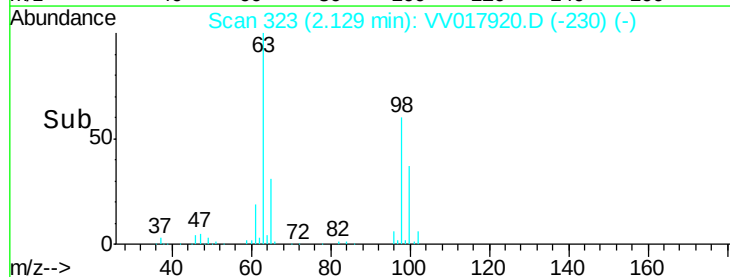
60000

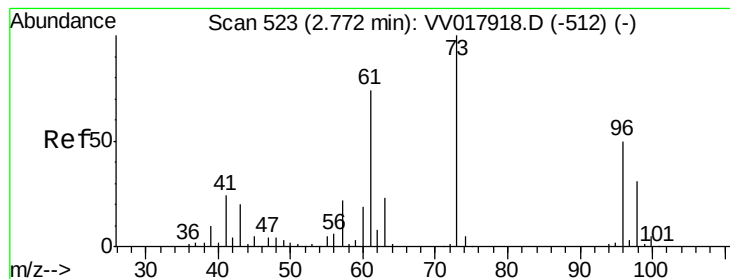
40000

20000

0

Time--> 2.10 2.15





#17

trans-1,2-Dichloroethene

Concen: 11.000 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

F2L61

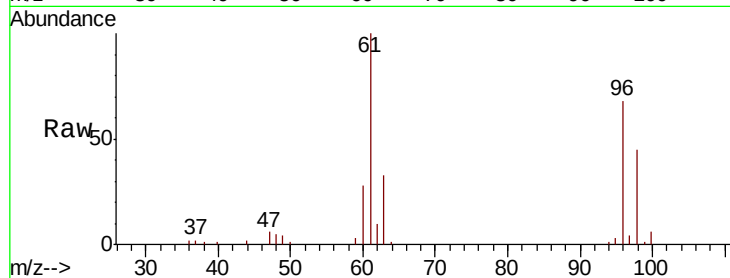
Tot Ion: 96 Resp: 20376

Ion Ratio Lower Upper

96 100

61 148.0 102.4 190.2

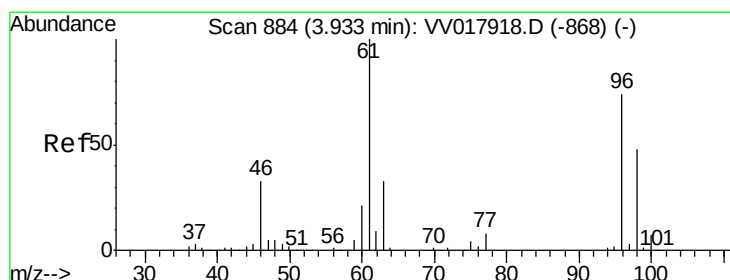
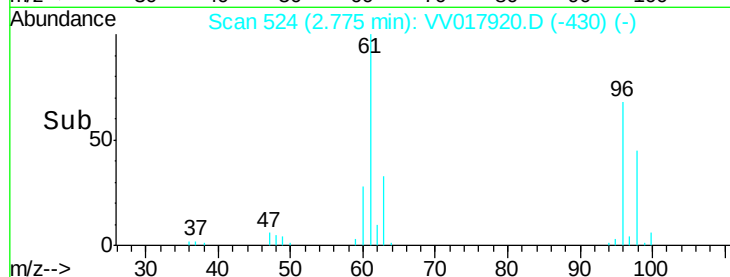
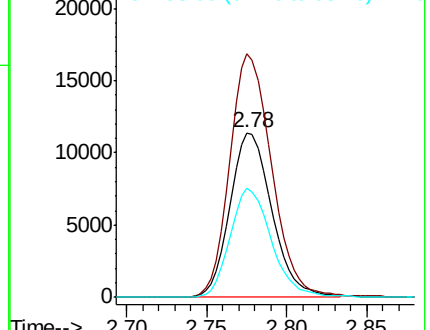
98 66.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV017918.D (-512) (-)



#20

cis-1,2-Dichloroethene

Concen: 353.229 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

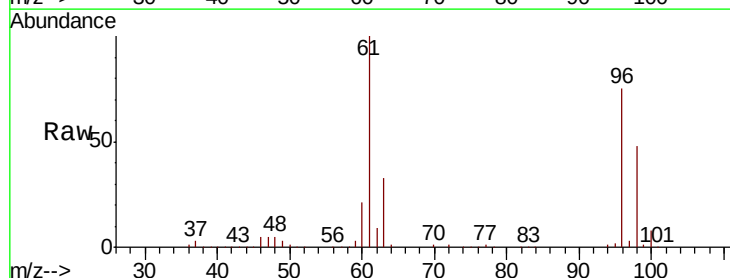
Tgt Ion: 96 Resp: 719026

Ion Ratio Lower Upper

96 100

61 133.5 95.0 176.4

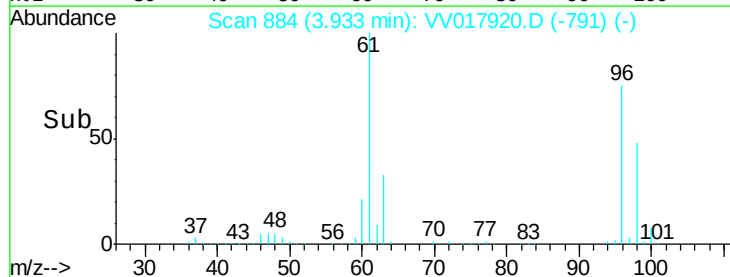
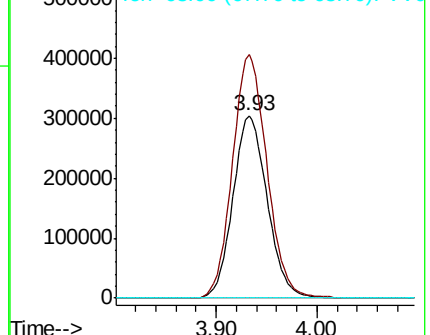
68 0.0 0.0 0.0

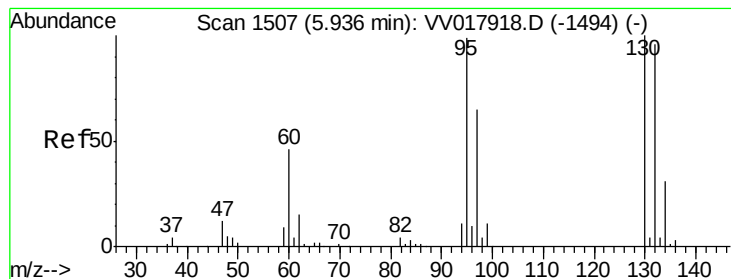


Abundance Ion 96.00 (95.70 to 96.70): VV017918.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV017918.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV017918.D (-868) (-)





#34

Trichloroethene

Concen: 176.801 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

F2L61

Tot Ion: 95 Resp: 379398

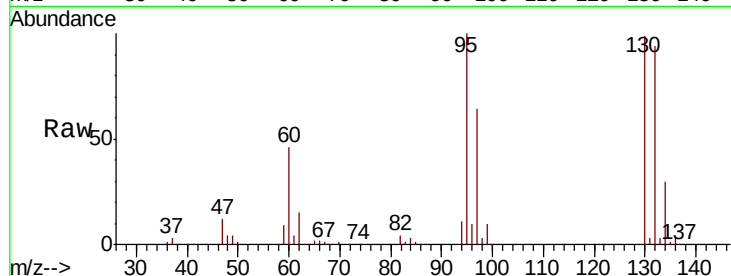
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 93.9 65.8 122.2

130 99.4 69.2 128.6

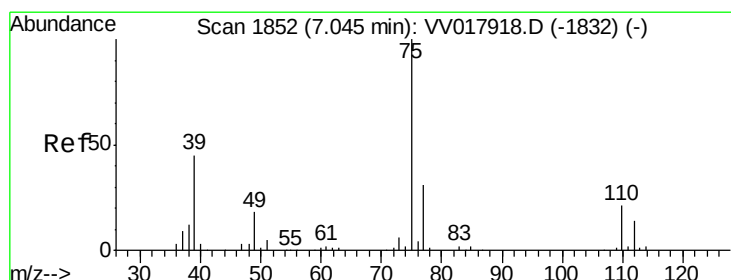
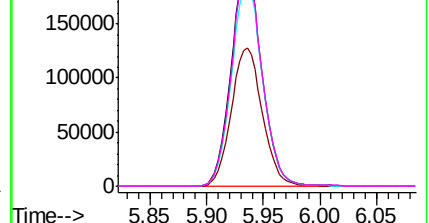
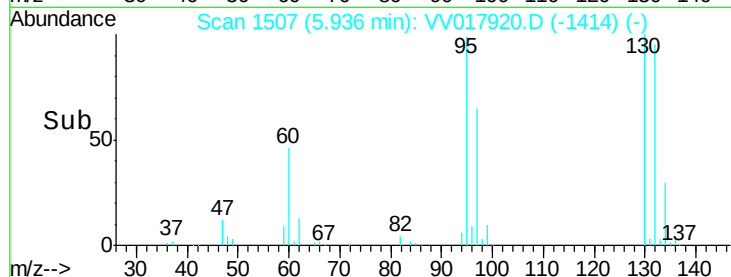


Abundance Ion 95.00 (94.70 to 95.70): VV017920.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV017920.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV017920.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV017920.D (-1414) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV017920.D

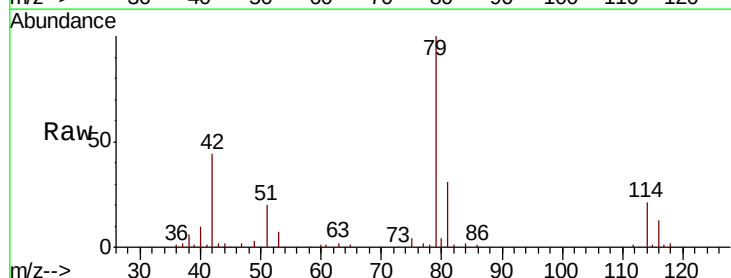
Acq: 12 Aug 2020 12:06

Tgt Ion: 75 Resp: 2951

Ion Ratio Lower Upper

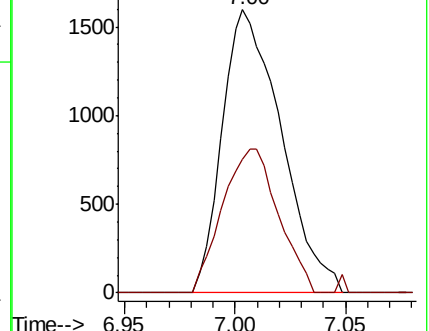
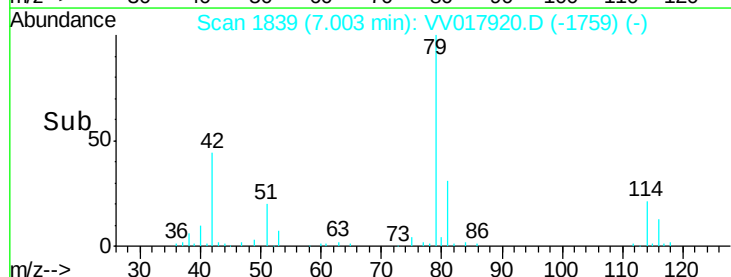
75 100

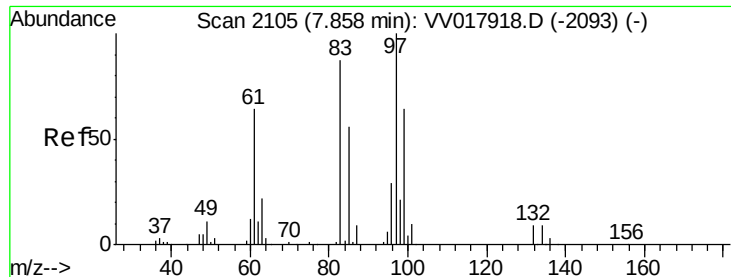
77 47.0 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV017920.D (-1759) (-)

Ion 77.00 (76.70 to 77.70): VV017920.D (-1759) (-)

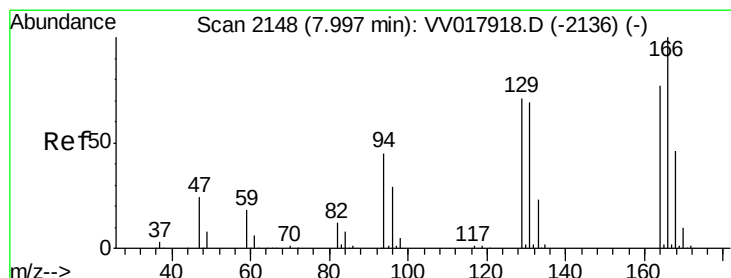
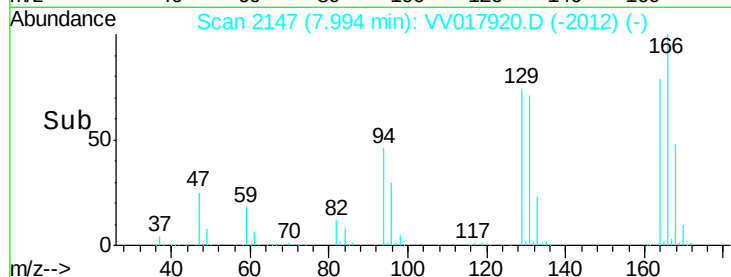
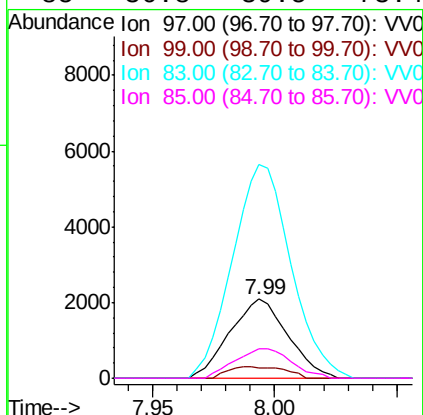
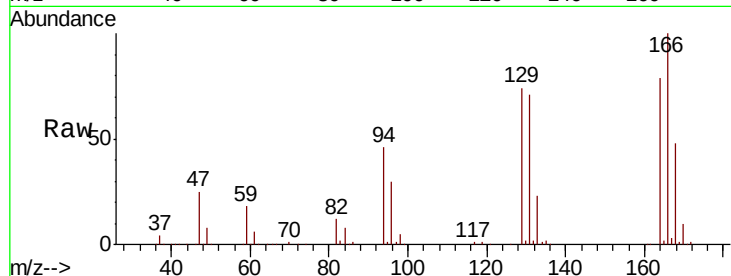




#45
 1,1,2-Trichloroethane
 Concen: 1.688 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.14 min
 Lab File: VV017920.D
 Acq: 12 Aug 2020 12:06

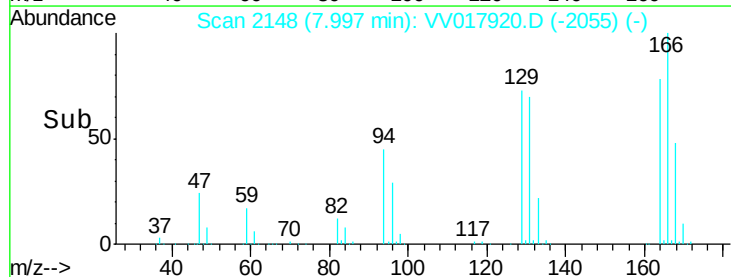
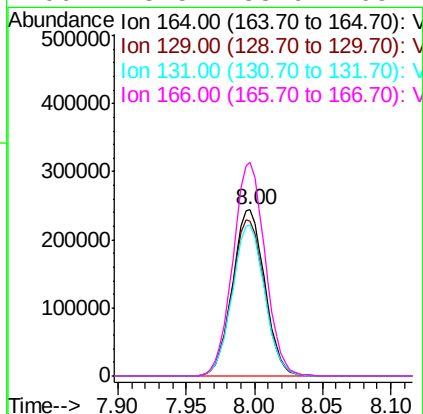
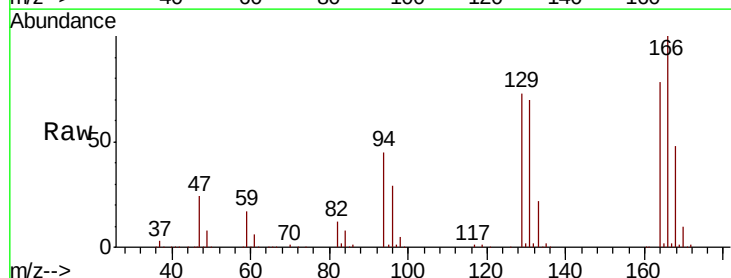
Instrument :
 MSVOA_V
 ClientSampled :
 F2L61

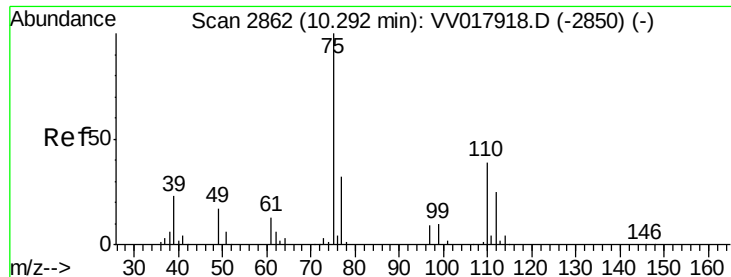
Tot Ion: 97 Resp: 3461
 Ion Ratio Lower Upper
 97 100
 99 12.9 44.2 82.2#
 83 270.5 61.0 113.4#
 85 36.8 39.5 73.4#



#46
 Tetrachloroethene
 Concen: 255.555 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017920.D
 Acq: 12 Aug 2020 12:06

Tgt Ion: 164 Resp: 402190
 Ion Ratio Lower Upper
 164 100
 129 93.5 64.8 120.3
 131 90.5 64.5 119.9
 166 128.5 88.9 165.1





#59

1,2,3-Trichloropropane

Concen: 5.287 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017920.D

Acq: 12 Aug 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

F2L61

Tot Ion: 75 Resp: 14457

Ion Ratio Lower Upper

75 100

77 36.3 25.7 38.5

