

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 04:39:02 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

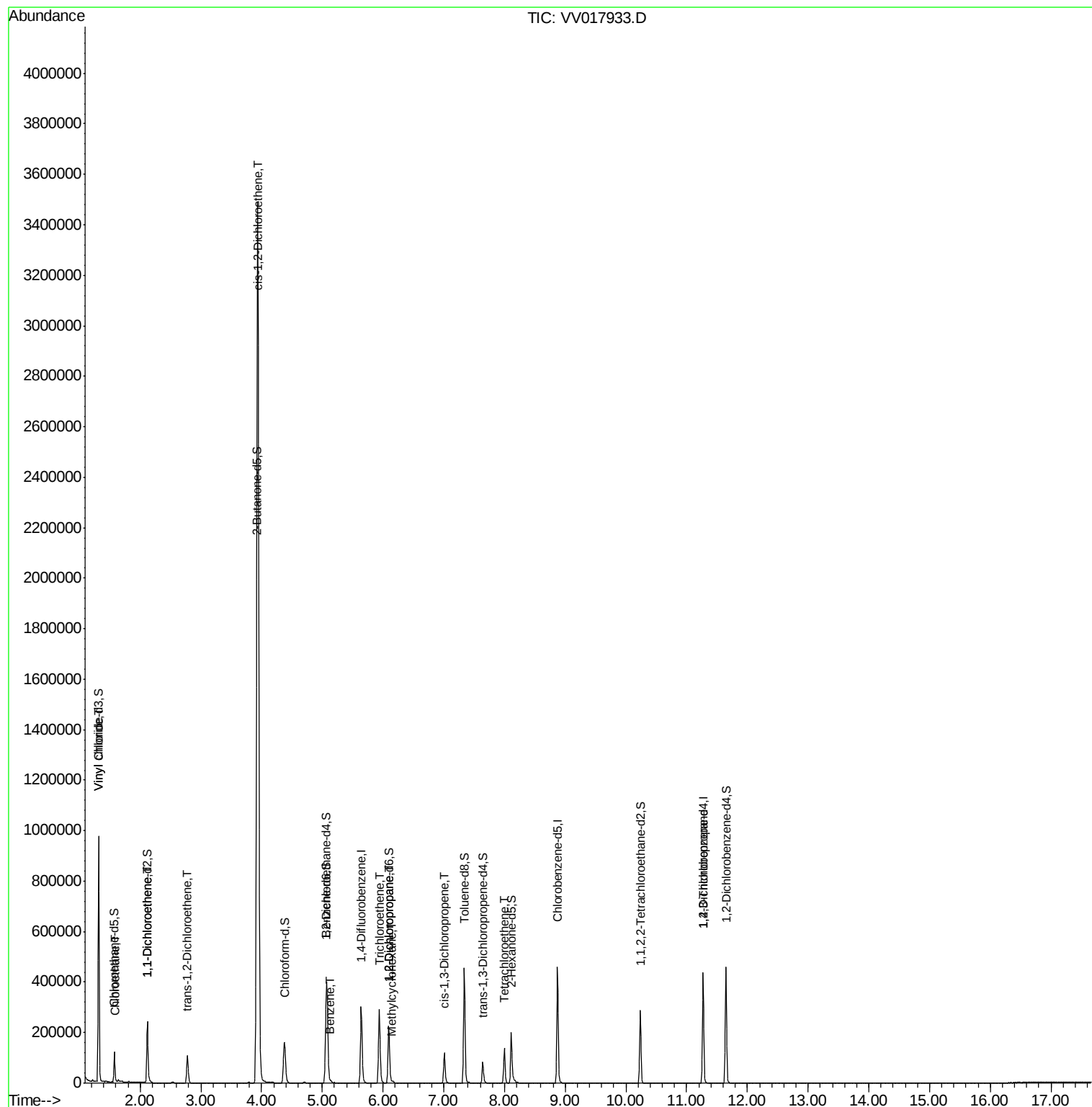
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	530271	241.395	ug/L	100
8) Chloroethane	1.59	64	2280	1.626	ug/L	94
12) 1,1-Dichloroethene	2.13	96	2333	1.407	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	38506	22.589	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	1881683	1004.487	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
37) 1,2-Dichloropropane	6.09	63	12125	5.971	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2850	0.990	ug/L #	70
46) Tetrachloroethene	8.00	164	30441	21.090	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	12950	5.164	ug/L	92

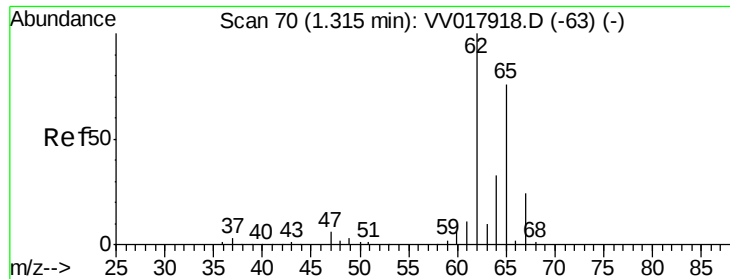
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

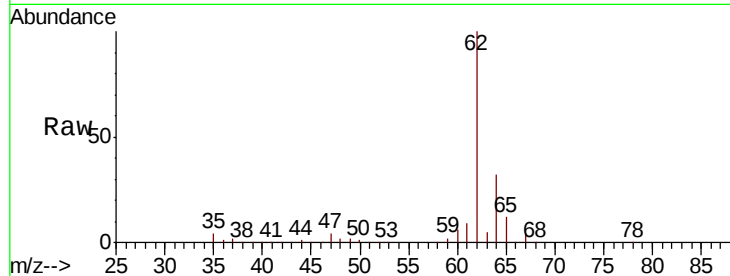
F2L67

Tot Ion: 62 Resp: 530271

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

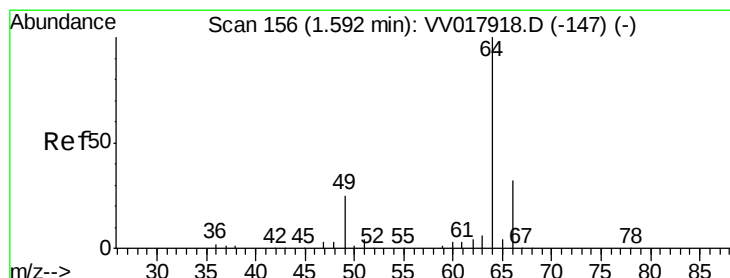
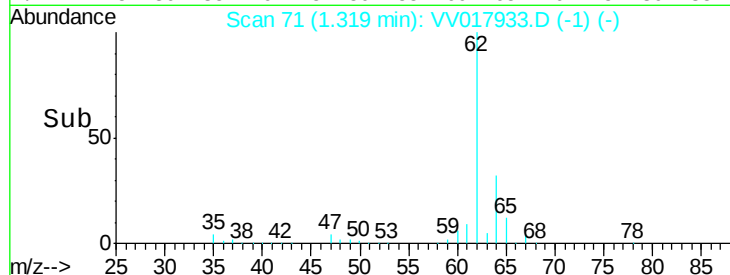
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 1.626 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017933.D

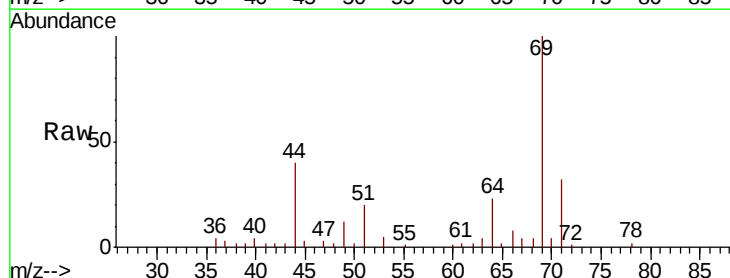
Acq: 12 Aug 2020 17:34

Tgt Ion: 64 Resp: 2280

Ion Ratio Lower Upper

64 100

66 35.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.59

2000

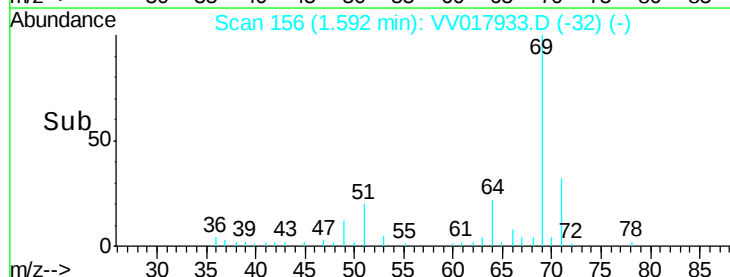
1500

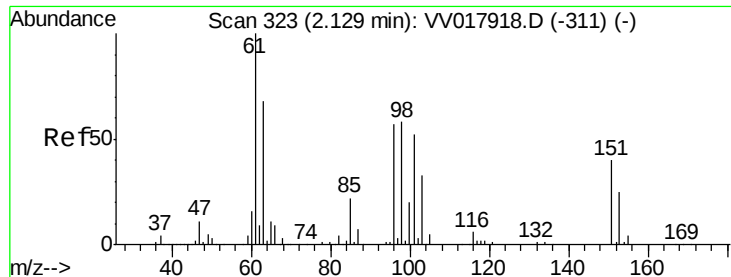
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.407 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

Instrument :

MSVOA_V

ClientSampleId :

F2L67

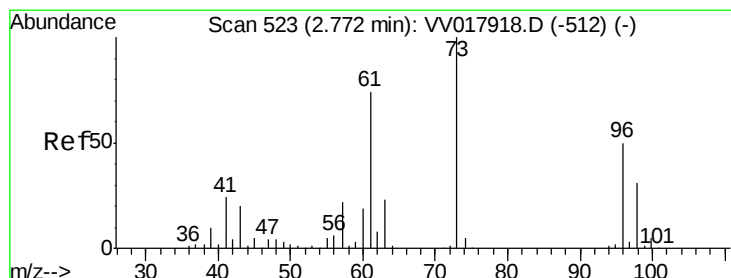
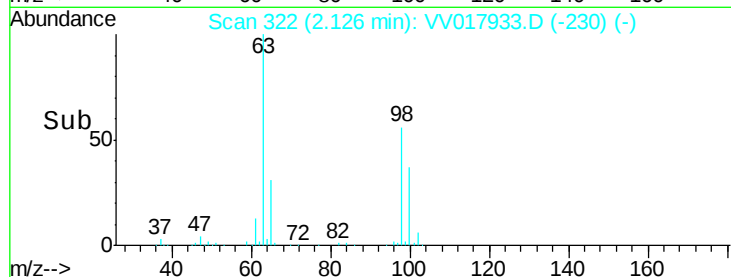
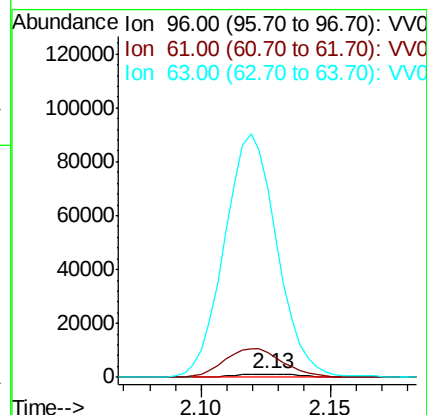
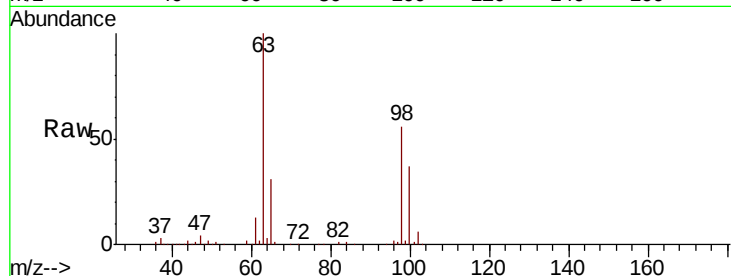
Tot Ion: 96 Resp: 2333

Ion Ratio Lower Upper

96 100

61 696.3 127.1 236.0#

63 5229.6 95.2 176.8#



#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

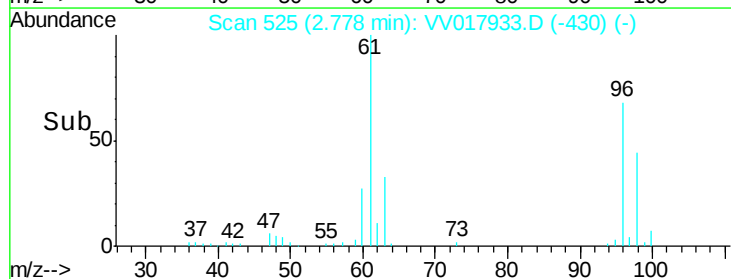
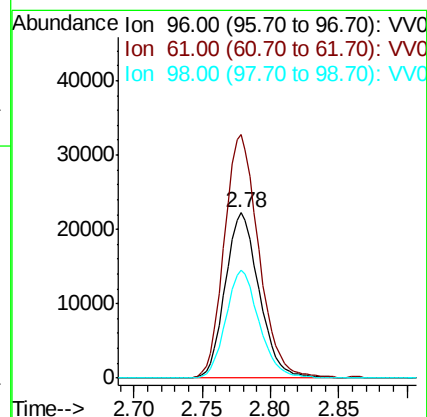
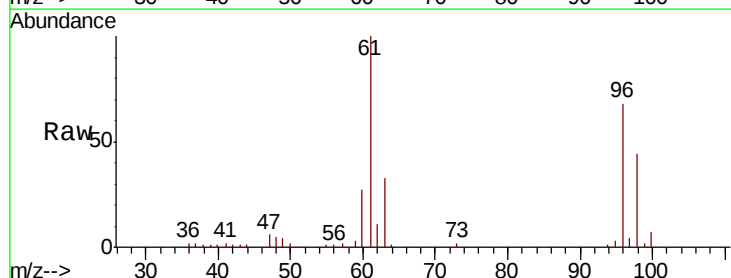
Tgt Ion: 96 Resp: 38506

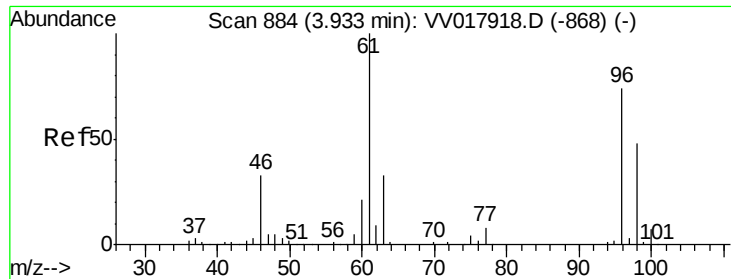
Ion Ratio Lower Upper

96 100

61 147.6 102.4 190.2

98 65.7 44.4 82.5

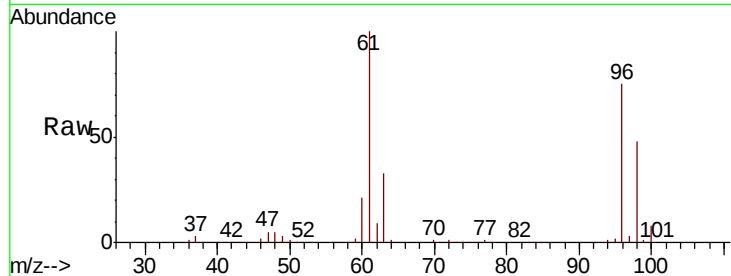




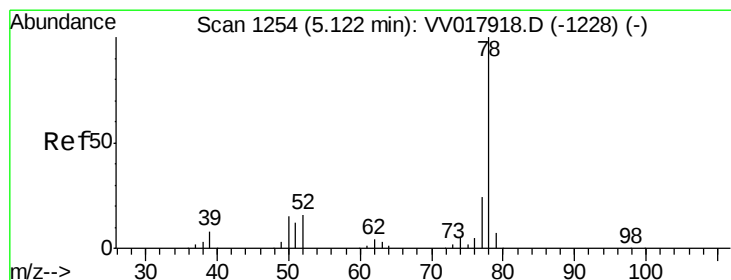
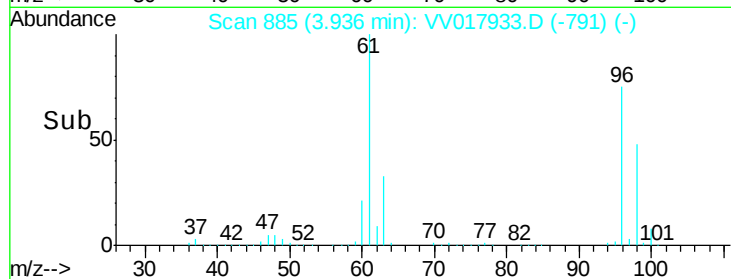
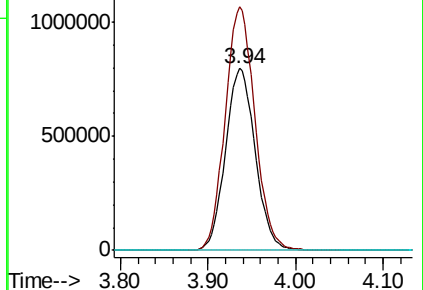
#20
 cis-1,2-Dichloroethene
 Concen: 1004.487 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017933.D
 Acq: 12 Aug 2020 17:34

Instrument :
 MSVOA_V
 ClientSampled :
 F2L67

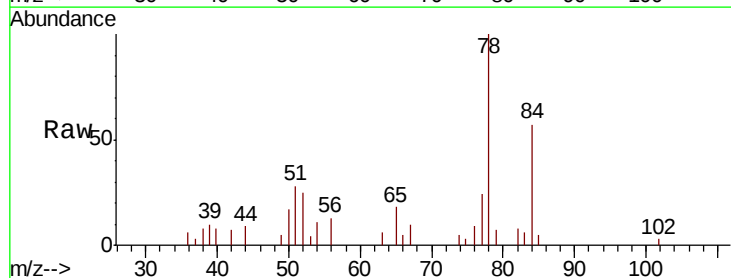
Tot Ion: 96 Resp: 1881683
 Ion Ratio Lower Upper
 96 100
 61 133.9 95.0 176.4
 68 0.0 0.0 0.0



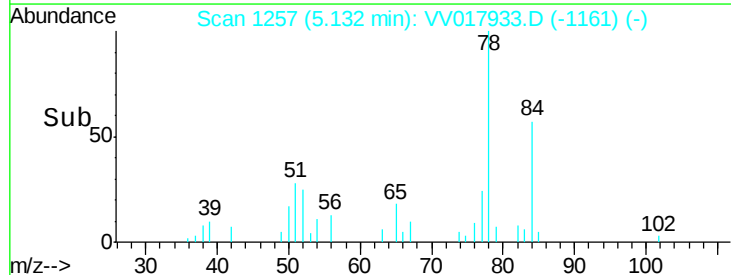
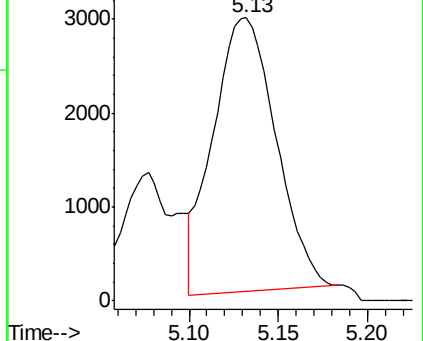
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

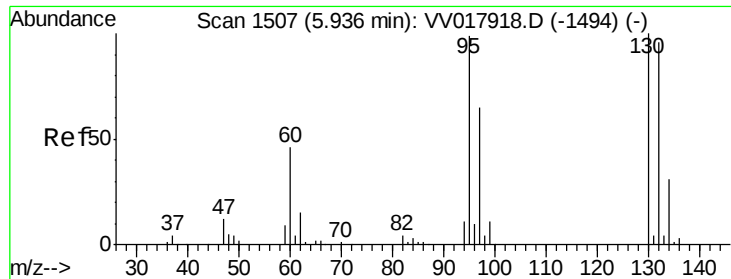


#33
 Benzene
 Concen: 0.959 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VV017933.D
 Acq: 12 Aug 2020 17:34
 Tgt Ion: 78 Resp: 7138



Abundance Ion 78.00 (77.70 to 78.70): VV0

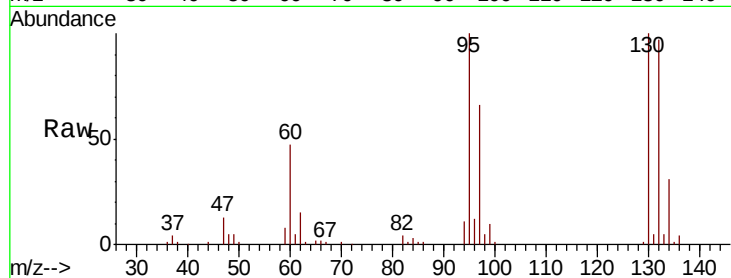




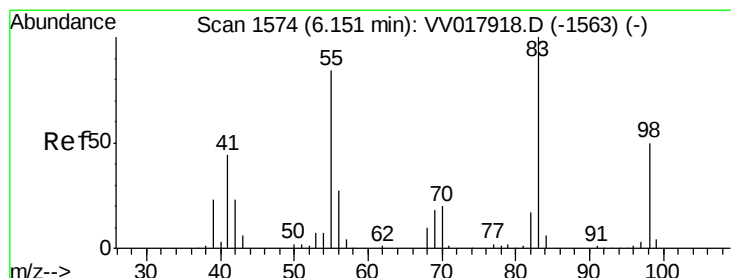
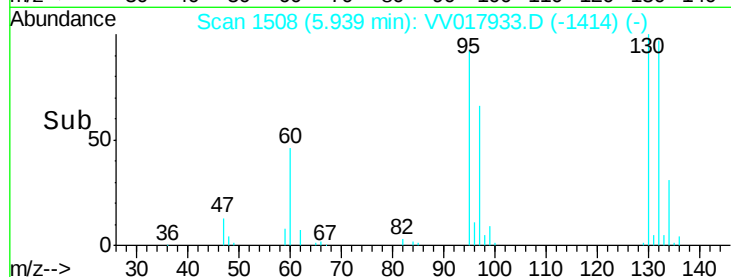
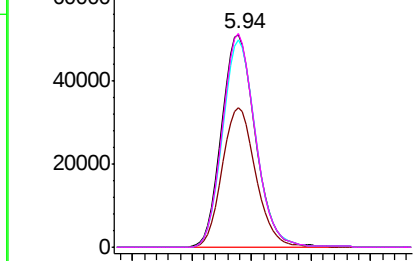
#34
 Trichloroethene
 Concen: 50.965 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017933.D
 Acq: 12 Aug 2020 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L67

Tot 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

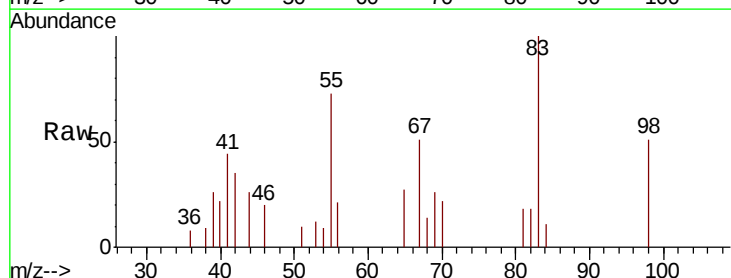


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

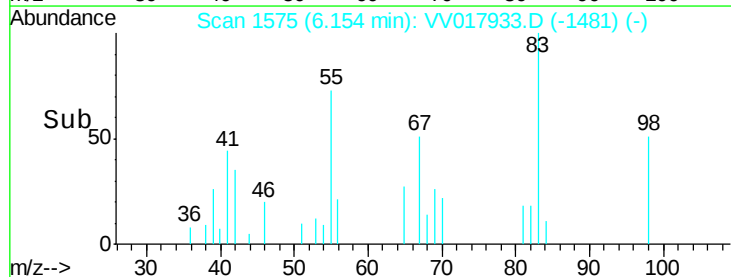
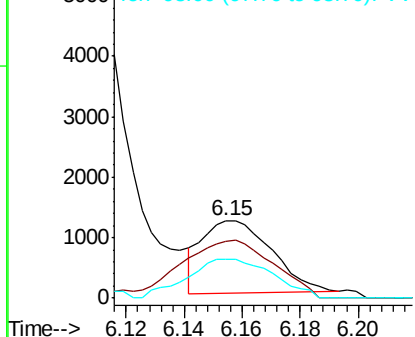


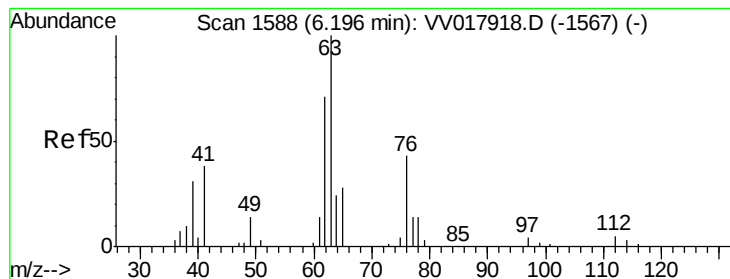
#35
 Methylcyclohexane
 Concen: 0.677 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017933.D
 Acq: 12 Aug 2020 17:34

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



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.971 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017933.D

Acq: 12 Aug 2020 17:34

Instrument :

MSVOA_V

ClientSampleId :

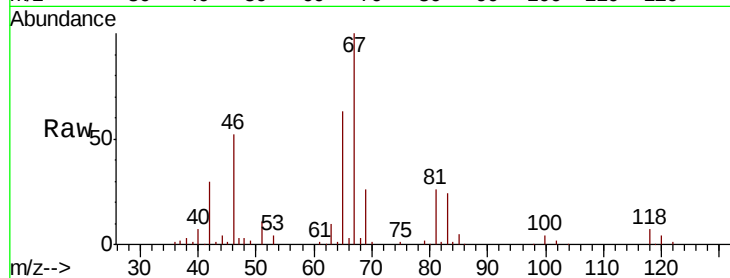
F2L67

Tot Ion: 63 Resp: 12125

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017918.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VV017918.D (-1567) (-)

6.09

6000

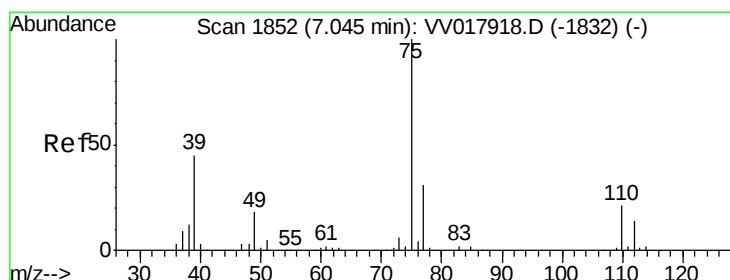
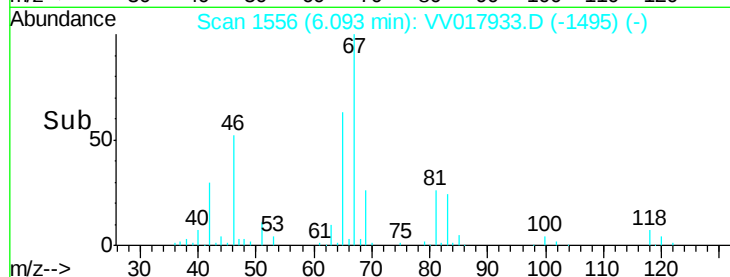
4000

2000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.990 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017933.D

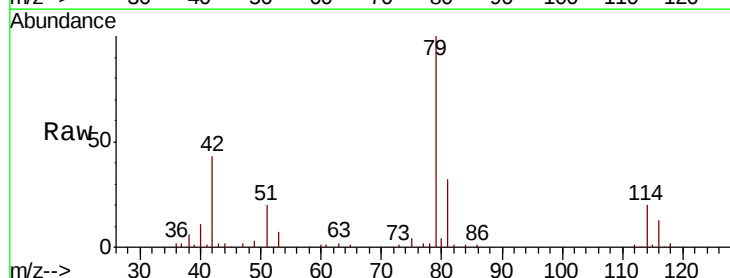
Acq: 12 Aug 2020 17:34

Tgt Ion: 75 Resp: 2850

Ion Ratio Lower Upper

75 100

77 48.8 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV017918.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV017918.D (-1832) (-)

7.01

2000

1500

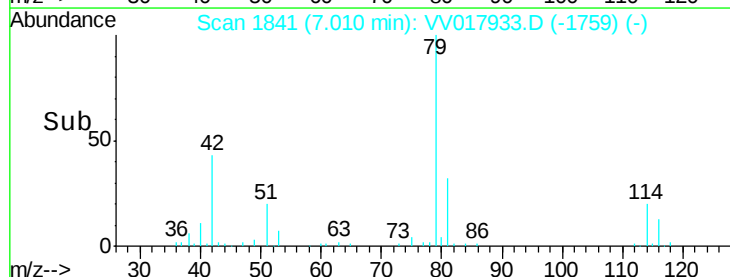
1000

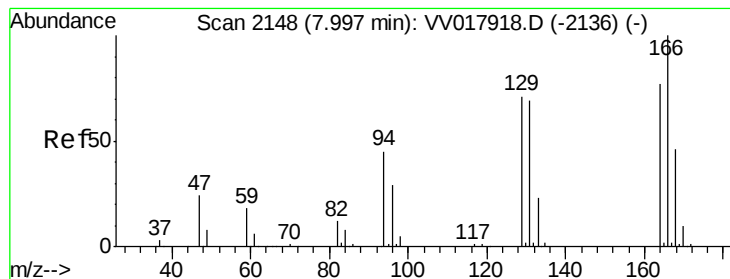
500

0

7.00 7.05

Time-->





#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

Instrument :

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ClientSampleId :

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Tot Ion:164 Resp: 30441

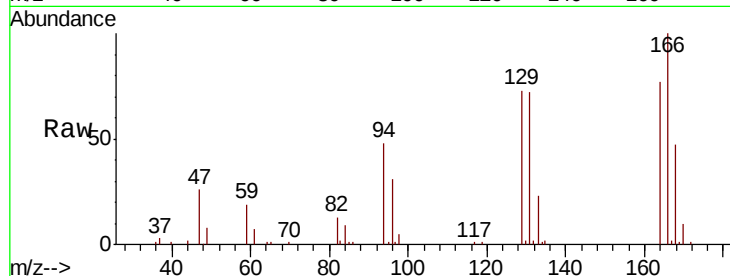
Ion Ratio Lower Upper

164 100

129 95.6 64.8 120.3

131 93.4 64.5 119.9

166 130.1 88.9 165.1

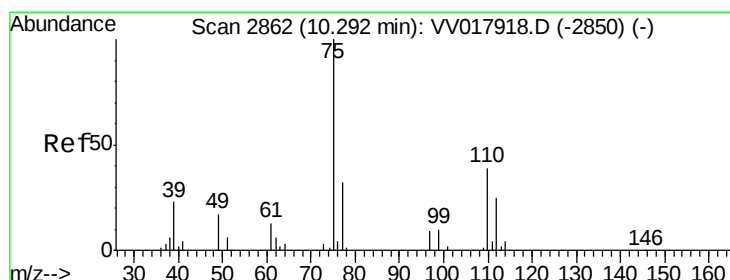
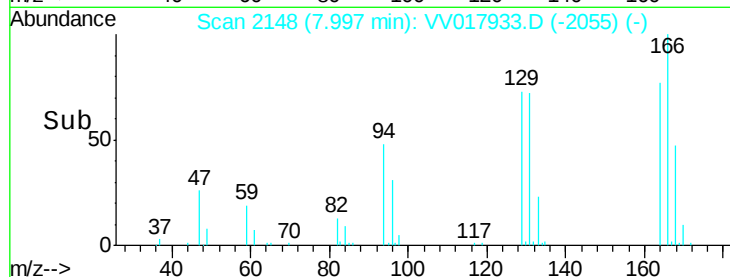
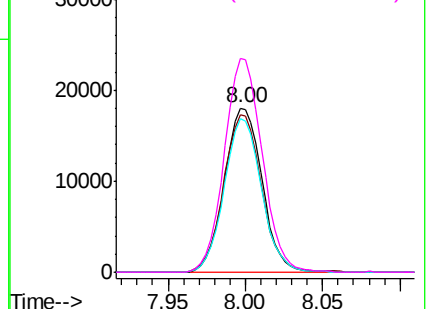


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.164 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017933.D

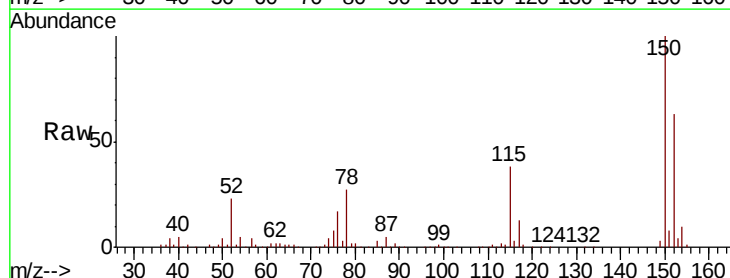
Acq: 12 Aug 2020 17:34

Tgt Ion: 75 Resp: 12950

Ion Ratio Lower Upper

75 100

77 36.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

