

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017873.D
 Acq On : 08 Aug 2020 22:52
 Operator : SY/MD
 Sample : L3608-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L78

Quant Time: Aug 10 05:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 05:09:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	223681	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	213545	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	106161	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	60086	52.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.02%
7) Chloroethane-d5	1.58	69	52132	53.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.24%
11) 1,1-Dichloroethene-d2	2.12	63	103925	37.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.88%
21) 2-Butanone-d5	3.91	46	77925	107.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.73%
24) Chloroform-d	4.38	84	150669	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.06	65	118387	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.60%
32) Benzene-d6	5.07	84	261937	53.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.24%
36) 1,2-Dichloropropane-d6	6.09	67	66120	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.76%
41) Toluene-d8	7.34	98	253258	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.64	79	37284	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.11	63	47624	105.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.17%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98780	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	118820	54.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

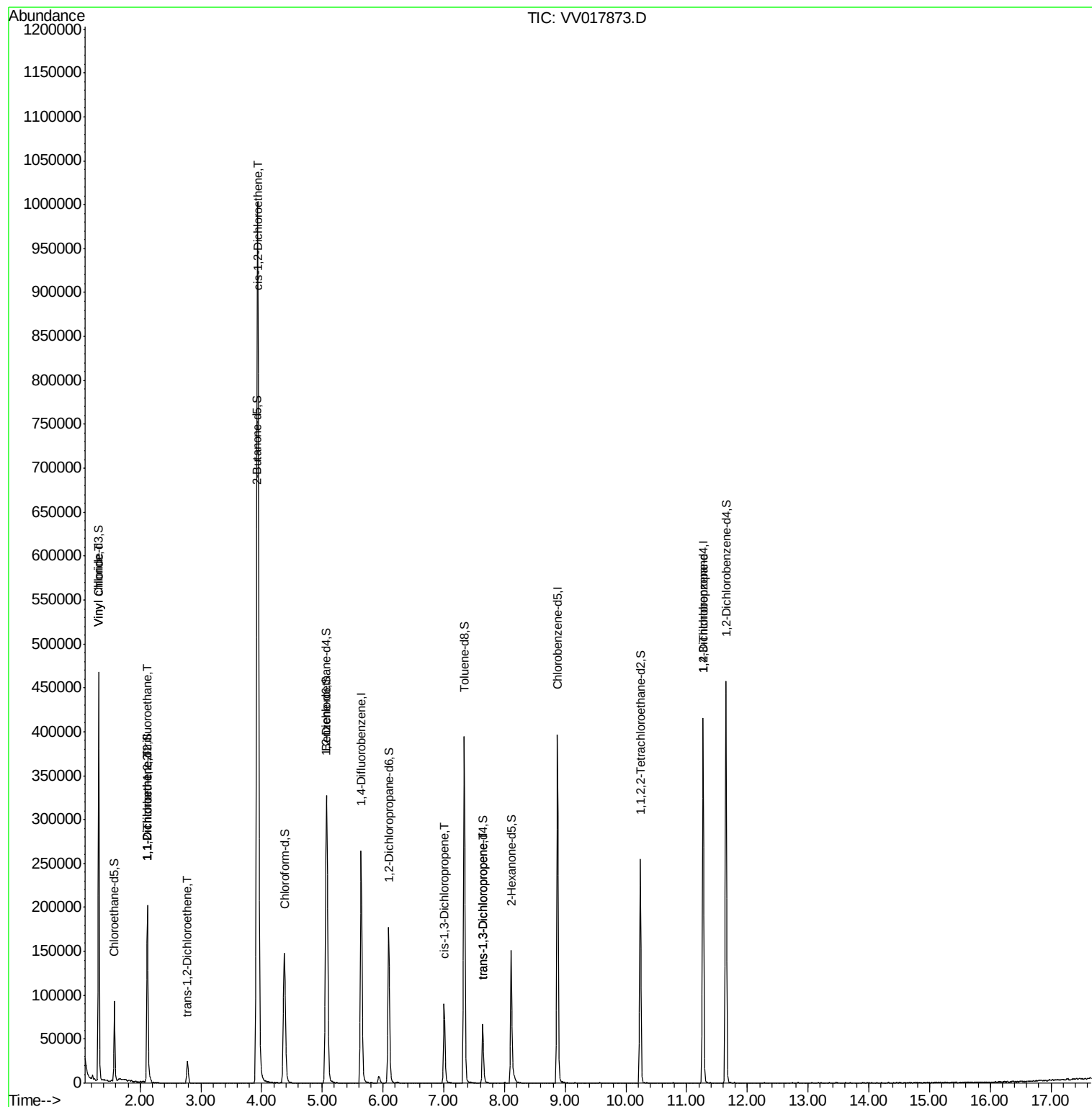
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	217732	166.598	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1118	0.782	ug/L #	14
12) 1,1-Dichloroethene	2.12	96	1413	1.072	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	8831	6.566	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	553939	381.329	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	2633	1.386	ug/L #	79
44) trans-1,3-Dichloropropene	7.64	75	1801	0.902	ug/L	85
59) 1,2,3-Trichloropropane	11.27	75	9475	5.571	ug/L #	83

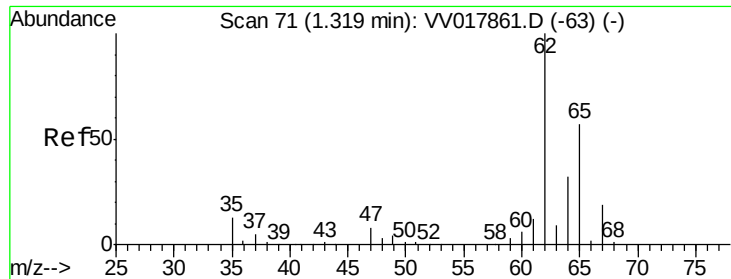
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 166.598 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017873.D

Acq: 08 Aug 2020 22:52

Instrument :

MSVOA_V

ClientSampleId :

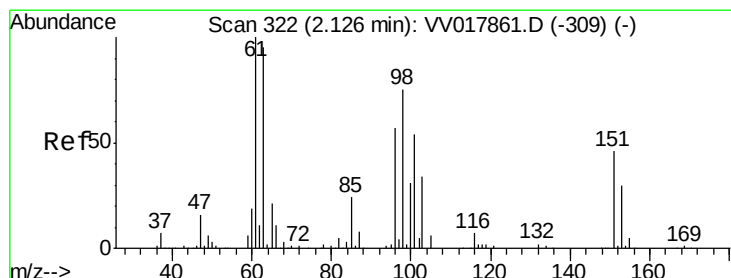
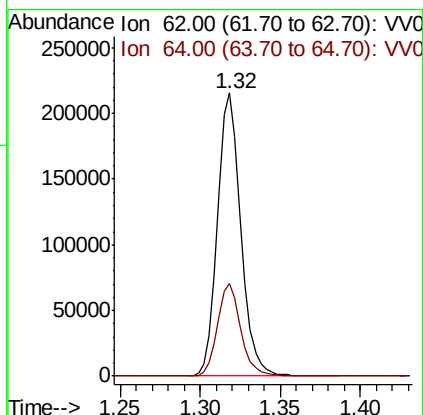
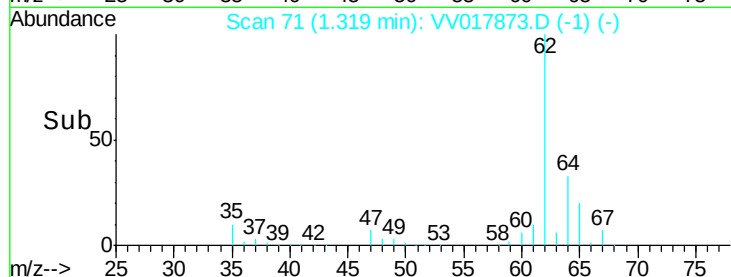
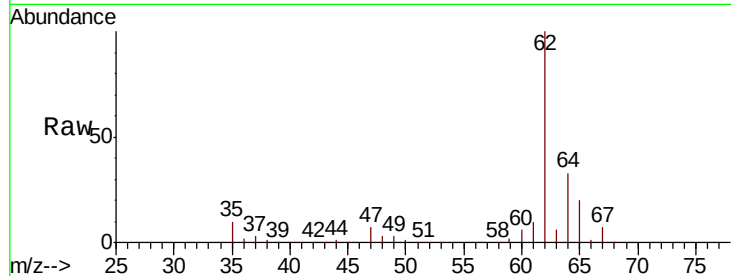
F2L78

Tot Ion: 62 Resp: 217732

Ion Ratio Lower Upper

62 100

64 32.7 24.0 44.6



#10

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

Concen: 0.782 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017873.D

Acq: 08 Aug 2020 22:52

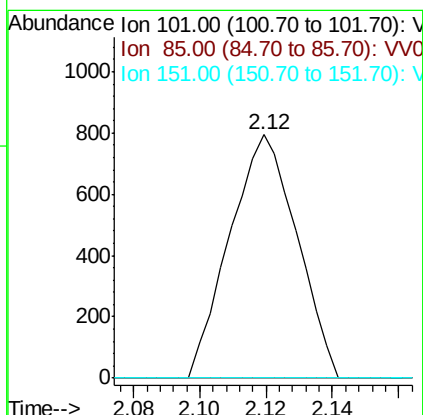
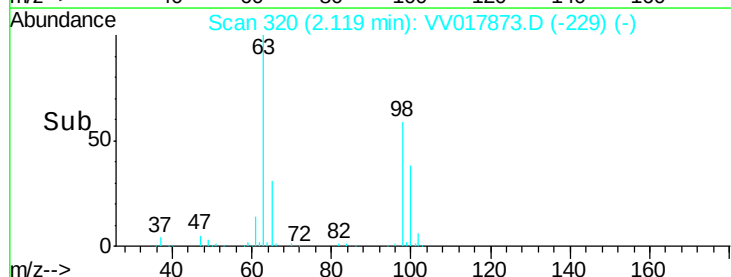
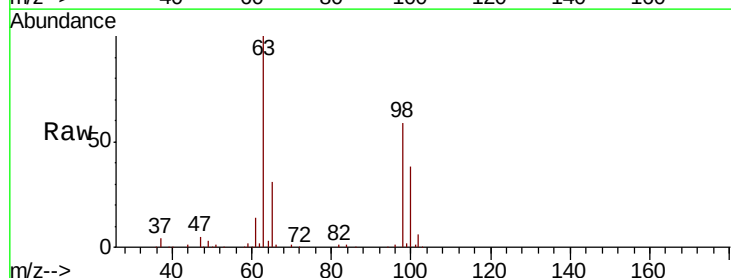
Tgt Ion: 101 Resp: 1118

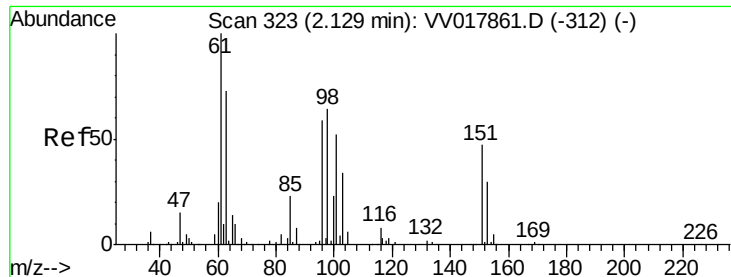
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 0.0 71.0 106.6#

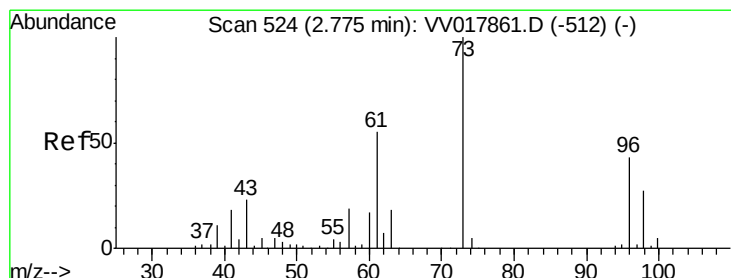
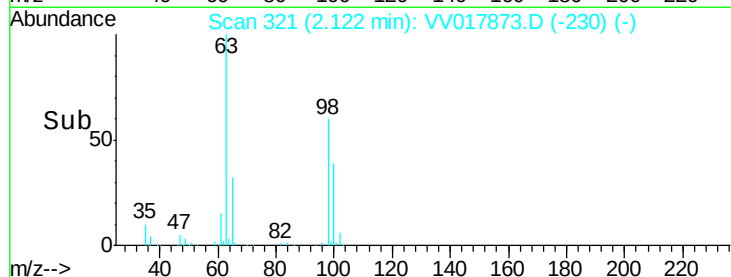
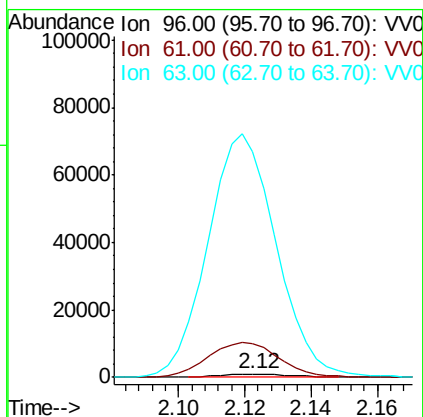
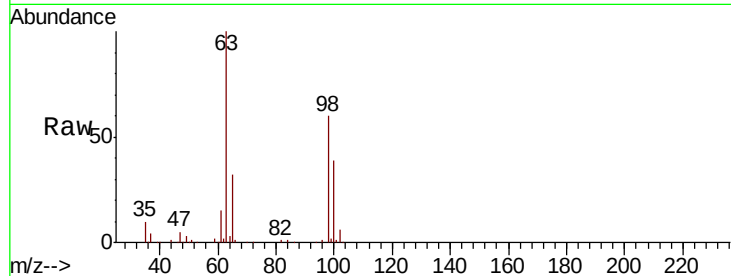




#12
 1,1-Dichloroethene
 Concen: 1.072 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV017873.D
 Acq: 08 Aug 2020 22:52

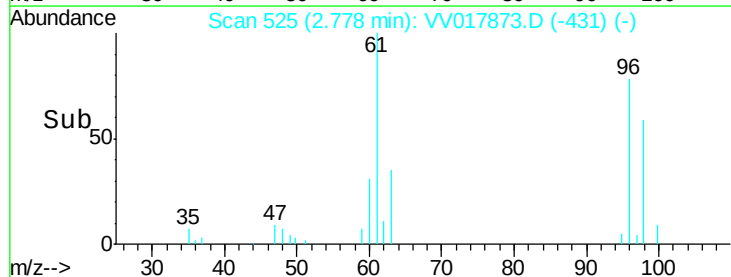
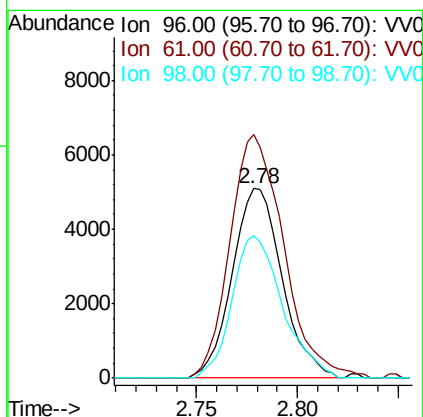
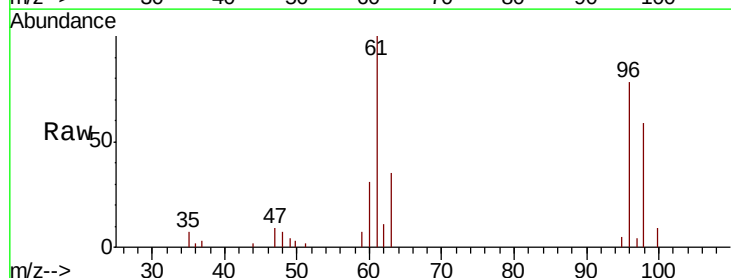
Instrument :
 MSVOA_V
 ClientSampleId :
 F2L78

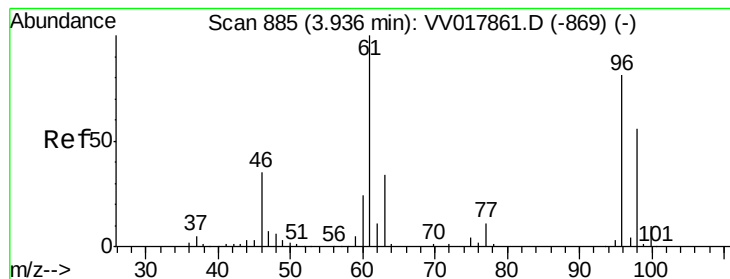
Tot Ion: 96 Resp: 1413
 Ion Ratio Lower Upper
 96 100
 61 1104.5 121.1 224.9#
 63 7384.1 98.1 182.1#



#17
 trans-1,2-Dichloroethene
 Concen: 6.566 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV017873.D
 Acq: 08 Aug 2020 22:52

Tgt Ion: 96 Resp: 8831
 Ion Ratio Lower Upper
 96 100
 61 128.4 92.4 171.6
 98 75.3 47.5 88.1





#20

cis-1,2-Dichloroethene

Concen: 381.329 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017873.D

Acq: 08 Aug 2020 22:52

Instrument :

MSVOA_V

ClientSampled :

F2L78

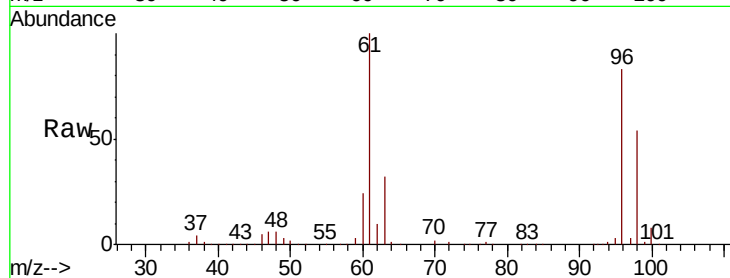
Tot Ion: 96 Resp: 553939

Ion Ratio Lower Upper

96 100

61 121.0 84.4 156.8

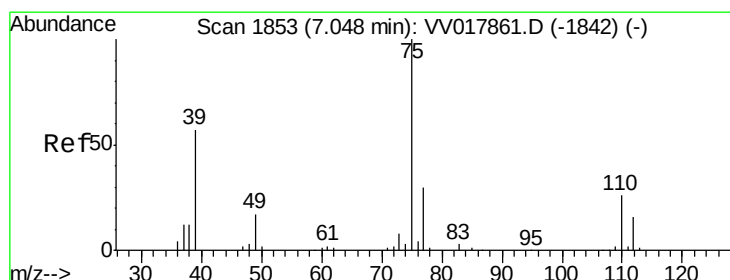
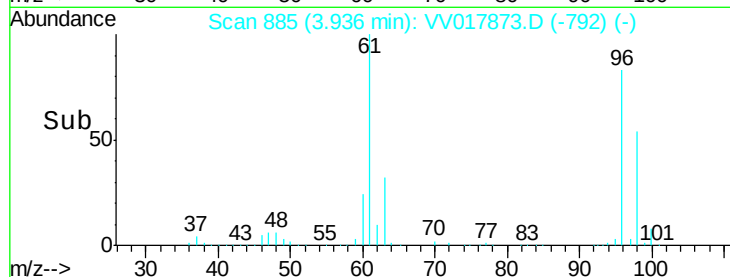
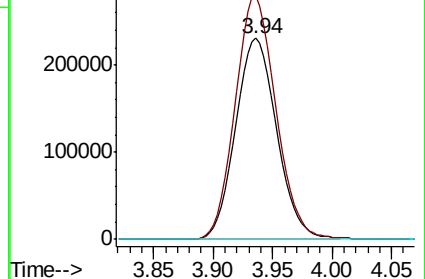
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017861.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV017861.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV017861.D (-869) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.386 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017873.D

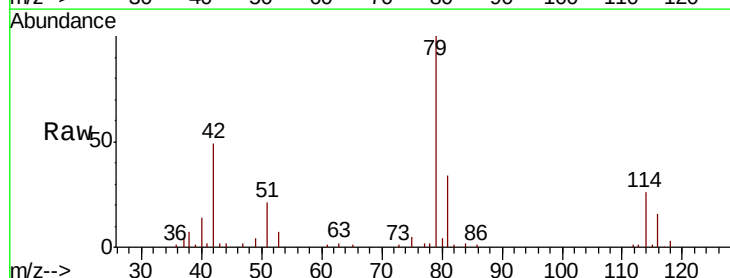
Acq: 08 Aug 2020 22:52

Tgt Ion: 75 Resp: 2633

Ion Ratio Lower Upper

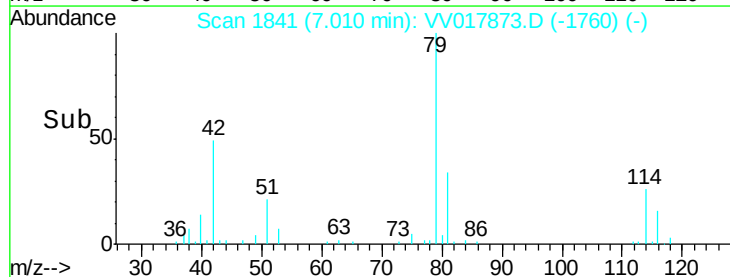
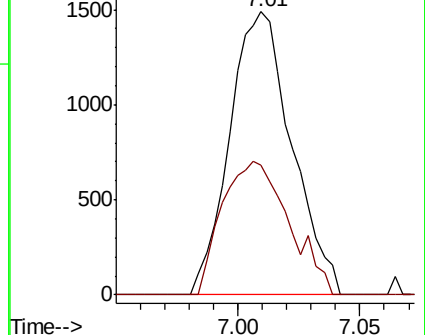
75 100

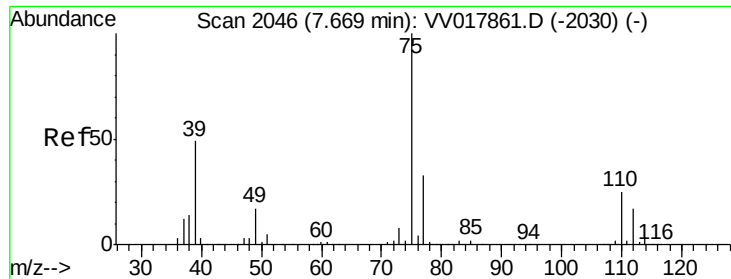
77 45.9 23.7 44.1#



Abundance Ion 75.00 (74.70 to 75.70): VV017861.D (-1842) (-)

Ion 77.00 (76.70 to 77.70): VV017861.D (-1842) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017873.D

Acq: 08 Aug 2020 22:52

Instrument :

MSVOA_V

ClientSampled :

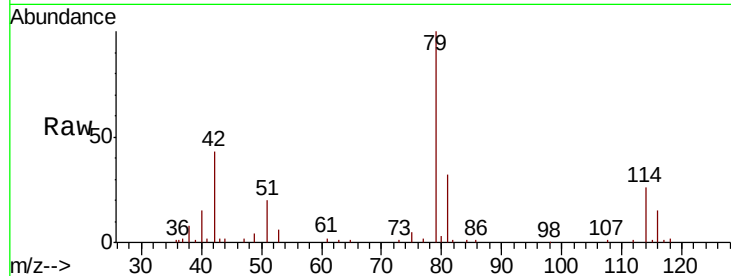
F2L78

Tot Ion: 75 Resp: 1801

Ion Ratio Lower Upper

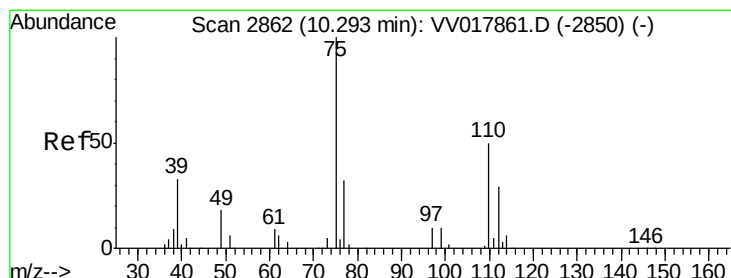
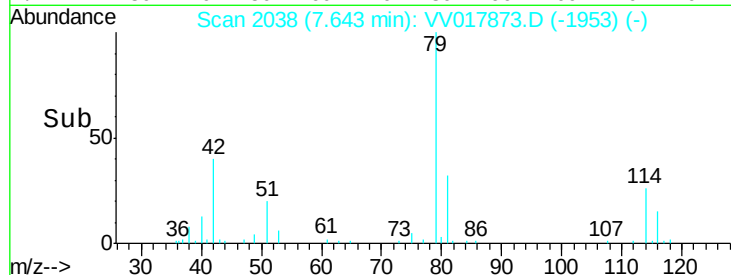
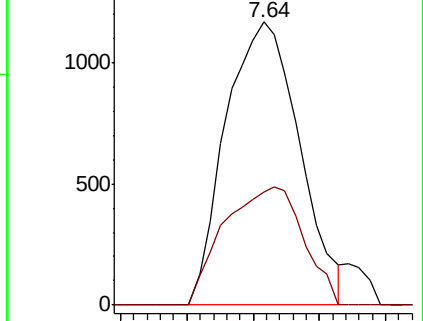
75 100

77 40.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.571 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017873.D

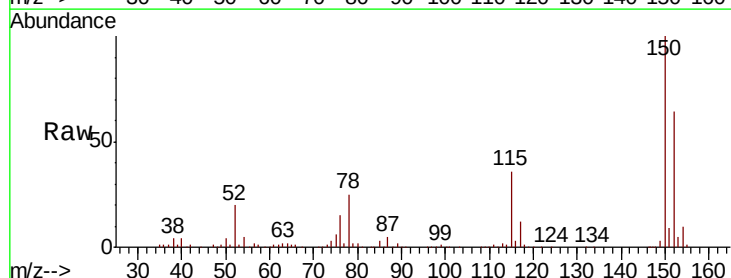
Acq: 08 Aug 2020 22:52

Tgt Ion: 75 Resp: 9475

Ion Ratio Lower Upper

75 100

77 42.6 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

