

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017889.D
 Acq On : 10 Aug 2020 11:37
 Operator : SY/MD
 Sample : L3608-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L42

Quant Time: Aug 11 02:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220333	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	211426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108217	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	56567	49.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.42%
7) Chloroethane-d5	1.58	69	50593	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.68%
11) 1,1-Dichloroethene-d2	2.12	63	102908	37.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.28%
21) 2-Butanone-d5	3.91	46	55684	78.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.15%
24) Chloroform-d	4.37	84	152563	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
26) 1,2-Dichloroethane-d4	5.06	65	118974	54.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.76%
32) Benzene-d6	5.08	84	265730	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
36) 1,2-Dichloropropane-d6	6.09	67	69343	56.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.04%
41) Toluene-d8	7.34	98	258973	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%
43) trans-1,3-Dichloropropene-	7.64	79	33700	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.56%
47) 2-Hexanone-d5	8.11	63	47144	105.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.15%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	104948	54.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	119787	54.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

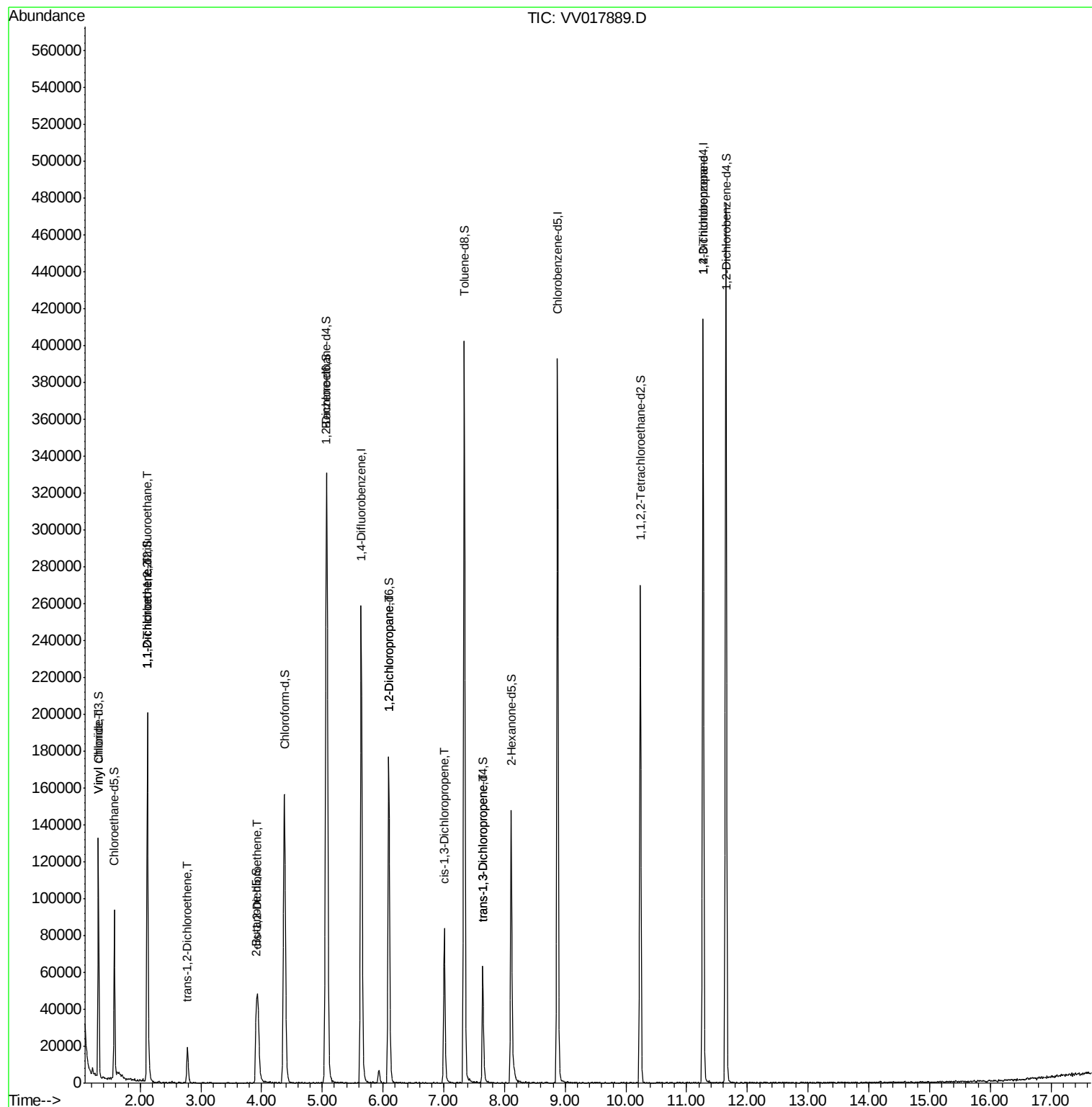
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	19255	14.957	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	994	0.706	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	939	0.723	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	6753	5.097	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	17754	12.407	ug/L	86
37) 1,2-Dichloropropane	6.09	63	10366	9.480	ug/L #	79
39) cis-1,3-Dichloropropene	7.01	75	2460	1.308	ug/L	84
44) trans-1,3-Dichloropropene	7.64	75	1866	0.944	ug/L	87
59) 1,2,3-Trichloropropane	11.27	75	9516	5.651	ug/L #	83

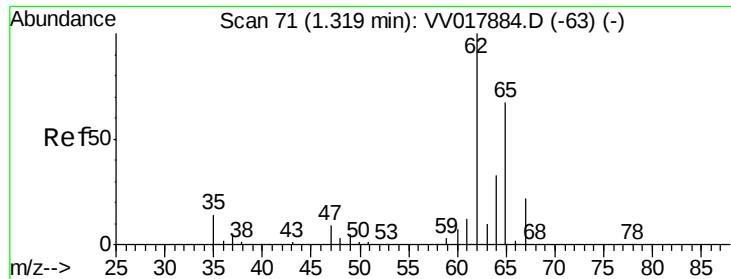
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.957 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

Instrument :

MSVOA_V

ClientSampled :

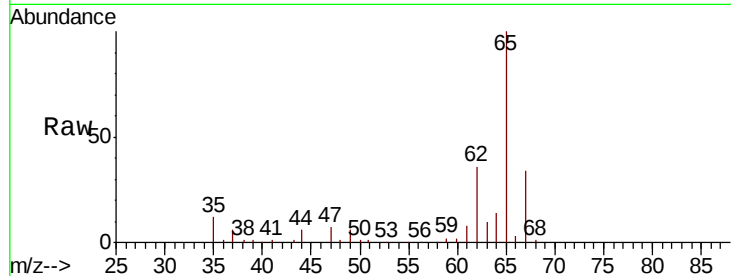
F4L42

Tot Ion: 62 Resp: 19255

Ion Ratio Lower Upper

62 100

64 38.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

20000

15000

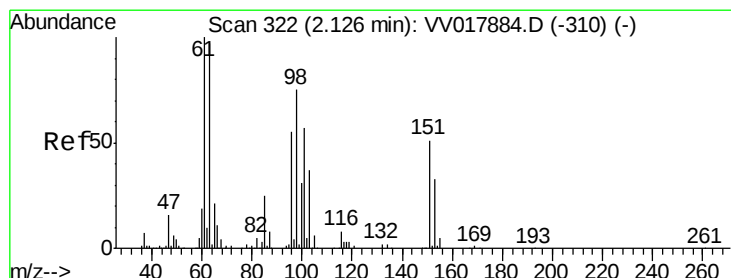
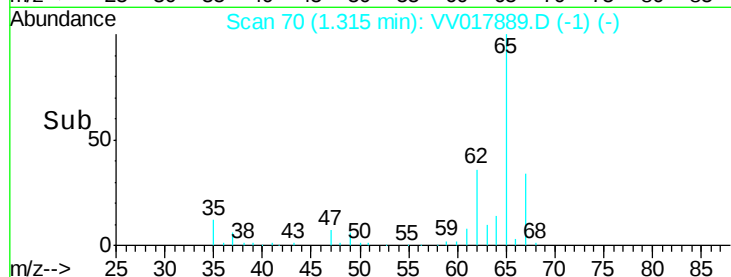
10000

5000

0

1.30 1.35

Time-->



#10

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

Concen: 0.706 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

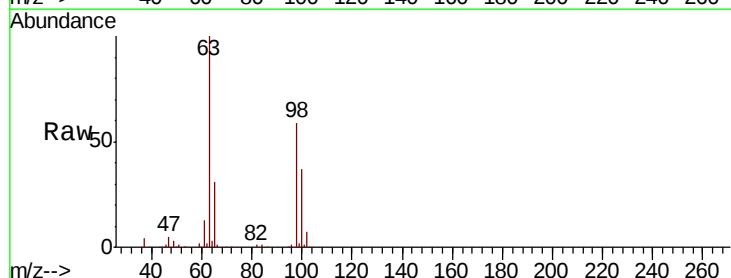
Tgt Ion: 101 Resp: 994

Ion Ratio Lower Upper

101 100

85 4.1 35.0 52.6#

151 4.1 71.0 106.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

1000

800

600

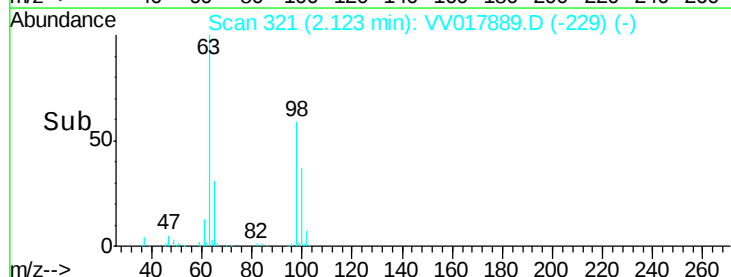
400

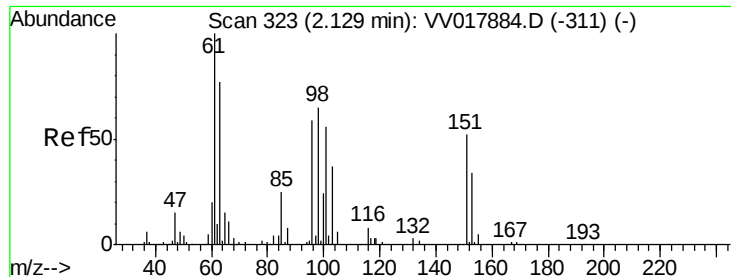
200

0

2.10 2.12 2.14

Time-->





#12

1,1-Dichloroethene

Concen: 0.723 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

Instrument :

MSVOA_V

ClientSampleId :

F4L42

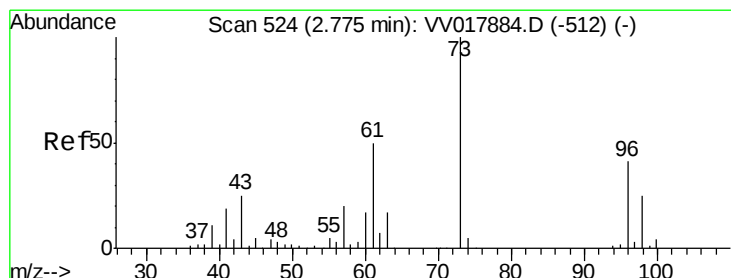
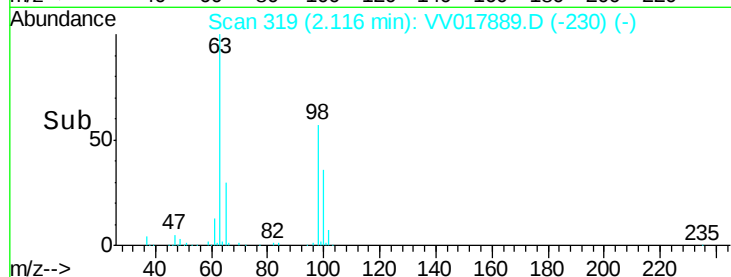
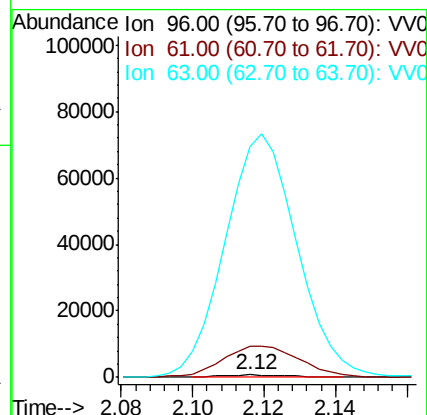
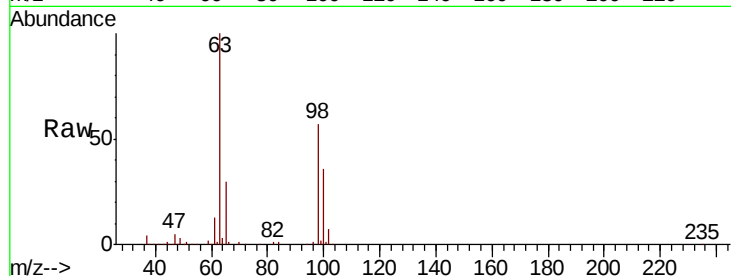
Tot Ion: 96 Resp: 939

Ion Ratio Lower Upper

96 100

61 1290.0 121.1 224.9#

63 9698.2 98.1 182.1#



#17

trans-1,2-Dichloroethene

Concen: 5.097 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

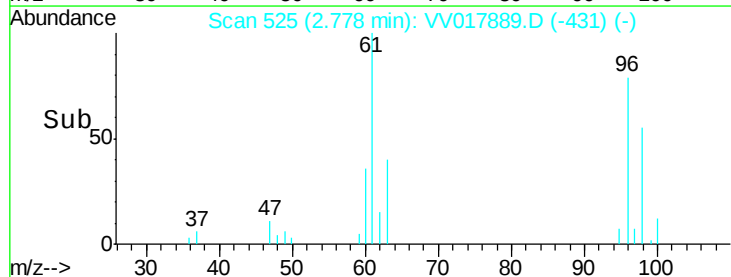
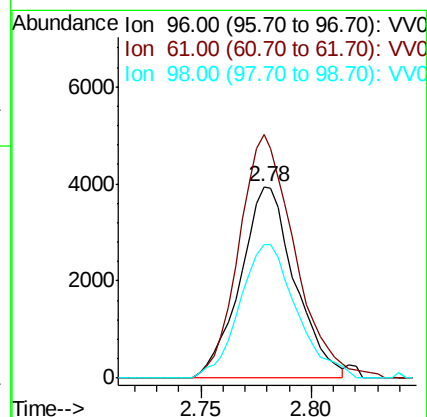
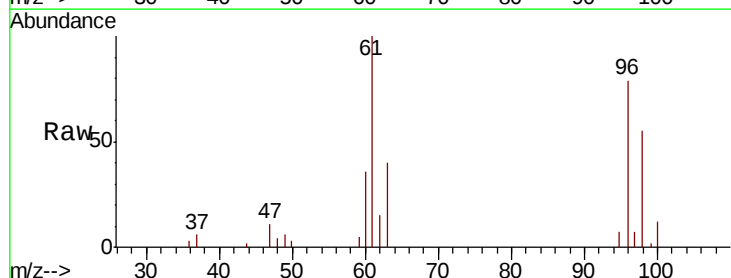
Tgt Ion: 96 Resp: 6753

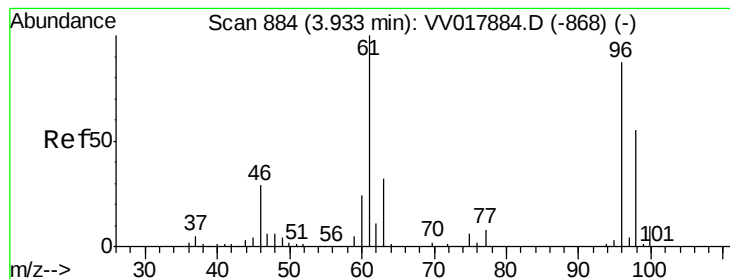
Ion Ratio Lower Upper

96 100

61 127.3 92.4 171.6

98 69.9 47.5 88.1





#20

cis-1,2-Dichloroethene

Concen: 12.407 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

Instrument :

MSVOA_V

ClientSampleId :

F4L42

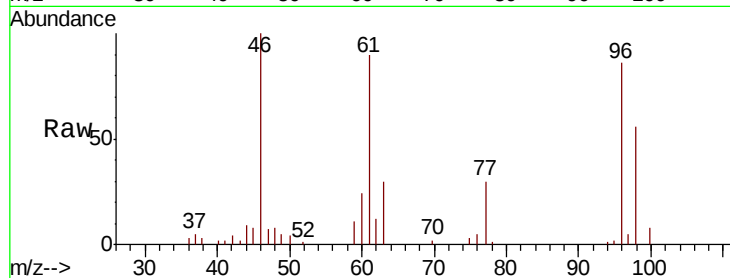
Tot Ion: 96 Resp: 17754

Ion Ratio Lower Upper

96 100

61 105.2 84.4 156.8

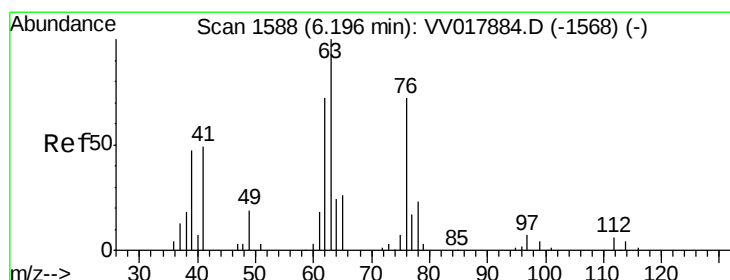
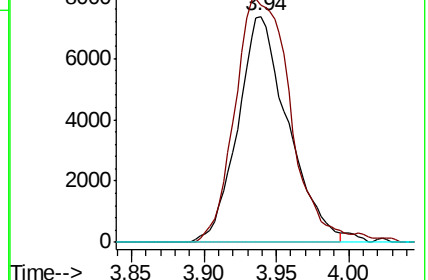
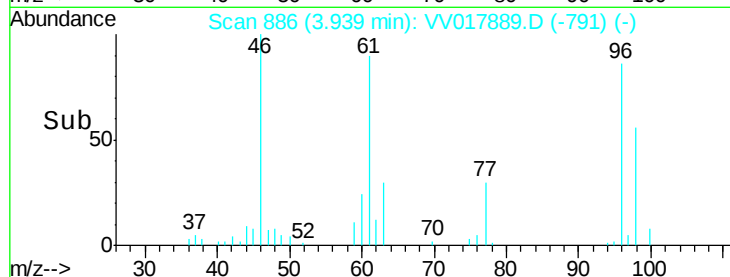
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017889.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV017889.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV017889.D (-791) (-)



#37

1,2-Dichloropropane

Concen: 9.480 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017889.D

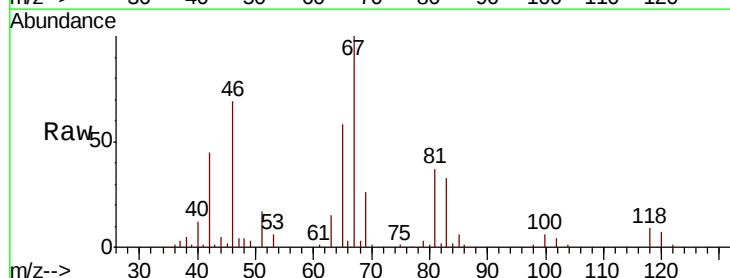
Acq: 10 Aug 2020 11:37

Tgt Ion: 63 Resp: 10366

Ion Ratio Lower Upper

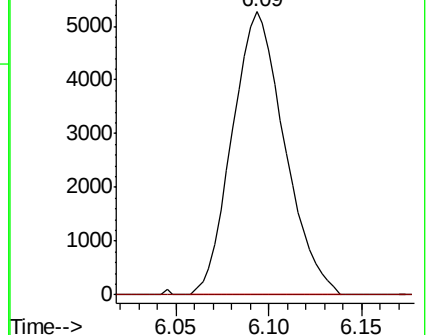
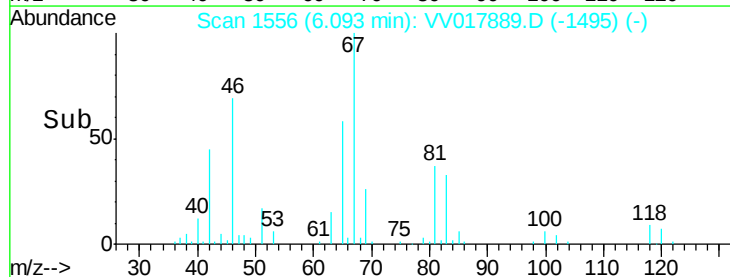
63 100

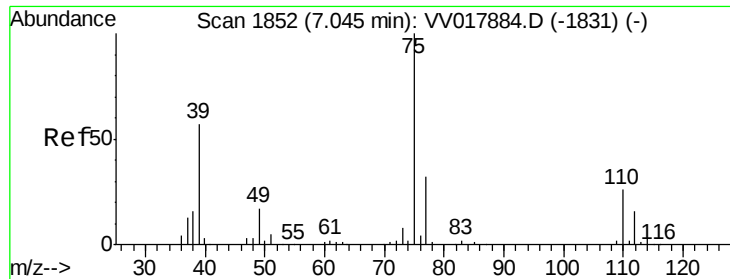
112 0.0 5.8 8.6#



Abundance Ion 63.00 (62.70 to 63.70): VV017889.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV017889.D (-1495) (-)

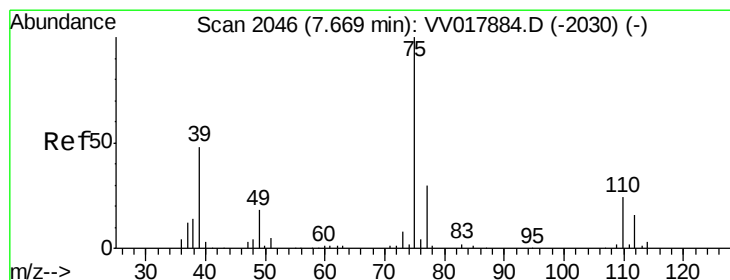
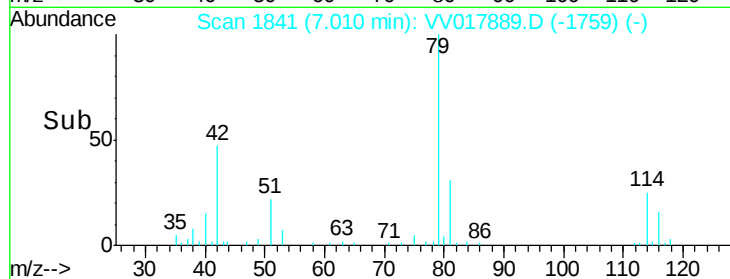
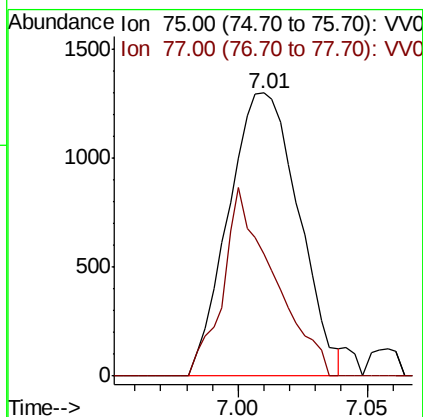
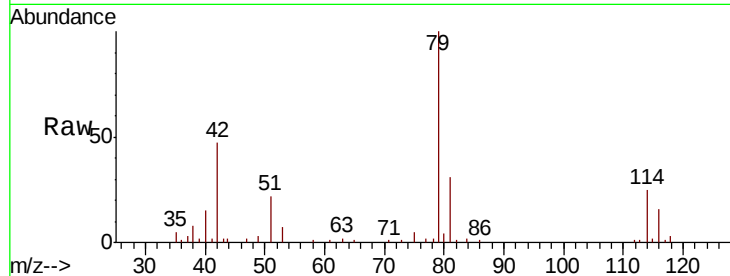




#39
 cis-1,3-Dichloropropene
 Concen: 1.308 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017889.D
 Acq: 10 Aug 2020 11:37

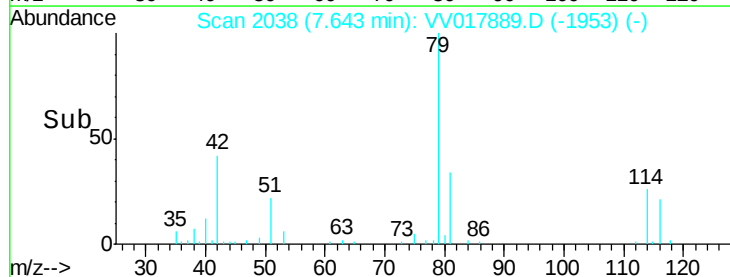
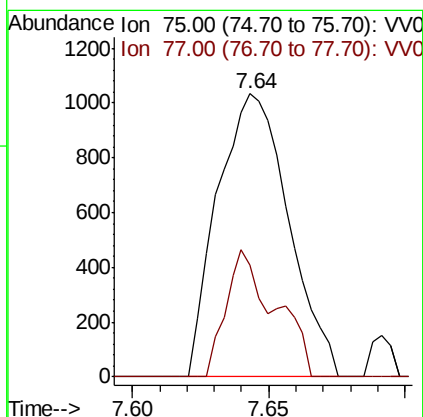
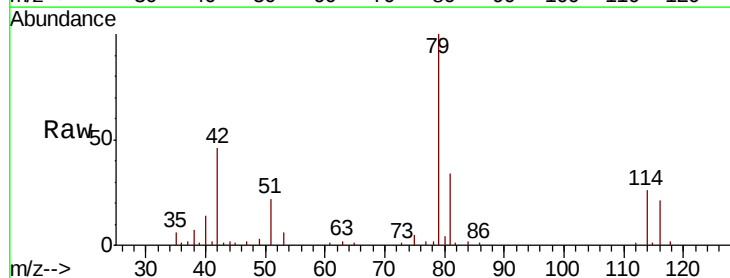
Instrument :
 MSVOA_V
 ClientSampled :
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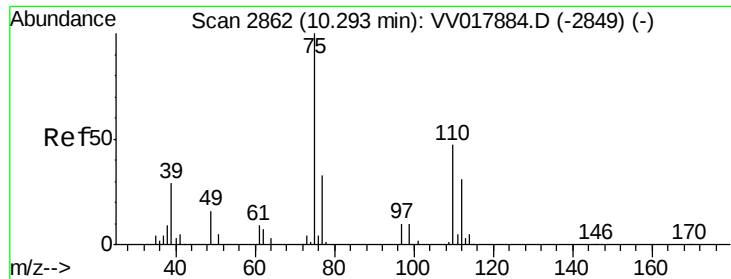
Tot Ion: 75 Resp: 2460
 Ion Ratio Lower Upper
 75 100
 77 43.2 23.7 44.1



#44
 trans-1,3-Dichloropropene
 Concen: 0.944 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV017889.D
 Acq: 10 Aug 2020 11:37

Tgt Ion: 75 Resp: 1866
 Ion Ratio Lower Upper
 75 100
 77 39.4 22.3 41.5





#59

1,2,3-Trichloropropane

Concen: 5.651 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV017889.D

Acq: 10 Aug 2020 11:37

Instrument :

MSVOA_V

ClientSampleId :

F4L42

Tot Ion: 75 Resp: 9516

Ion Ratio Lower Upper

75 100

77 42.6 26.4 39.6#

