

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018462.D
 Acq On : 25 Sep 2020 17:47
 Operator : SY/MD
 Sample : L4108-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M1

Quant Time: Sep 26 02:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 26 02:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	297557	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	143894	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139269	57.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.86%
7) Chloroethane-d5	1.58	69	115004	57.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.92%
11) 1,1-Dichloroethene-d2	2.12	63	195624	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
21) 2-Butanone-d5	3.91	46	176472	118.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.89%
24) Chloroform-d	4.38	84	238876	56.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.56%
26) 1,2-Dichloroethane-d4	5.06	65	157039	58.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.46%
32) Benzene-d6	5.08	84	508006	62.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.76%#
36) 1,2-Dichloropropane-d6	6.09	67	158730	61.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	123.68%#
41) Toluene-d8	7.34	98	455628	61.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.76%#
43) trans-1,3-Dichloropropene-	7.64	79	77732	59.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.18%
47) 2-Hexanone-d5	8.11	63	109642	112.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	194731	60.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.88%#
64) 1,2-Dichlorobenzene-d4	11.65	152	189845	64.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.48%#

Target Compounds

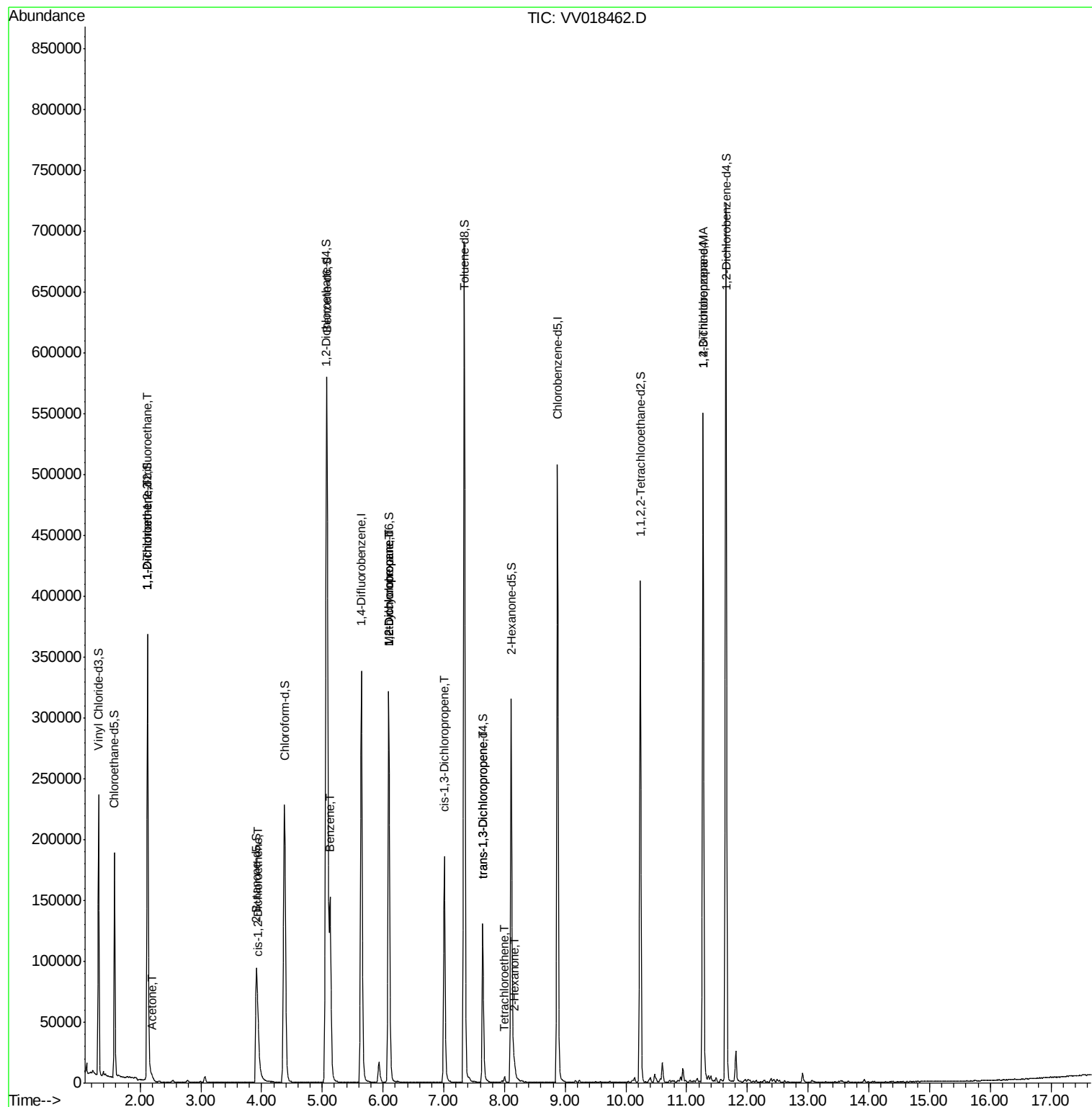
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1799	0.896	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1794	0.918	ug/L #	1
13) Acetone	2.20	43	5742	4.831	ug/L	99
20) cis-1,2-Dichloroethene	3.95	96	5052	2.347	ug/L	89
33) Benzene	5.13	78	157221	19.486	ug/L	100
35) Methylcyclohexane	6.09	83	38151	11.528	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	16703	7.812	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4249	1.290	ug/L #	65
44) trans-1,3-Dichloropropene	7.64	75	2995	0.934	ug/L	87
46) Tetrachloroethene	8.00	164	1178	0.684	ug/L	89
48) 2-Hexanone	8.16	43	7632	3.732	ug/L #	78
59) 1,2,3-Trichloropropane	11.27	75	15478	6.155	ug/L	94

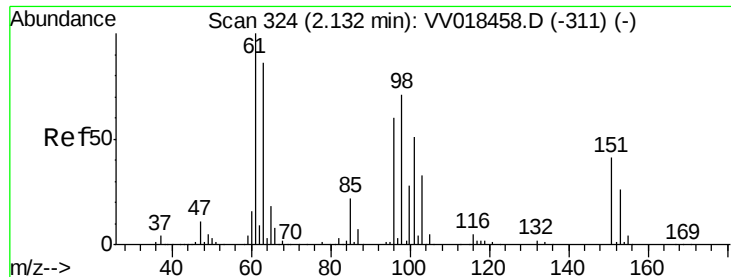
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.896 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

BG3M1

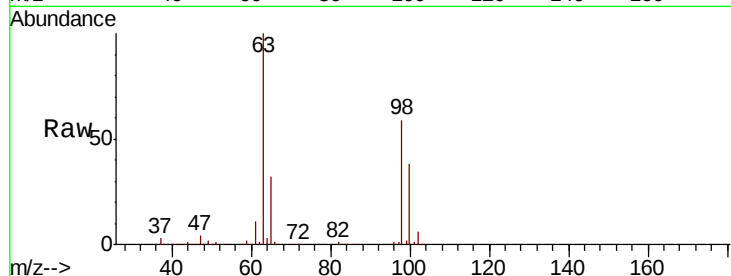
Tot Ion:101 Resp: 1799

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

151 0.0 62.2 93.2#



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

1500

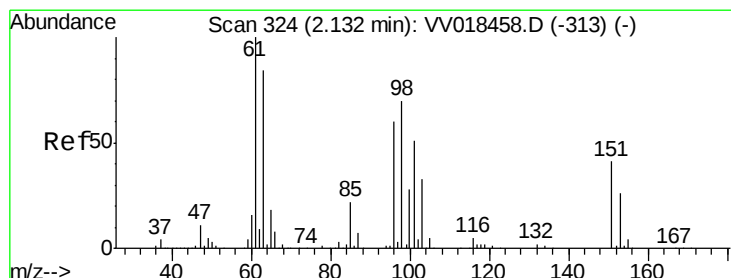
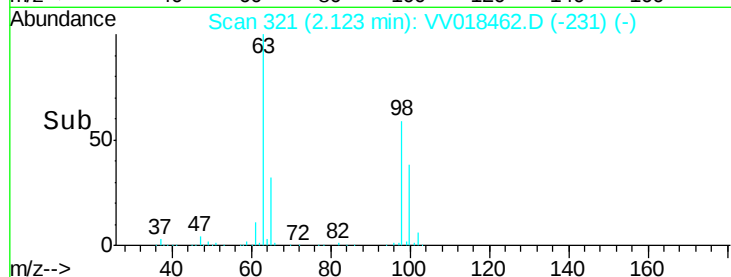
1000

500

0

2.10 2.15

Time-->



#12

1,1-Dichloroethene

Concen: 0.918 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

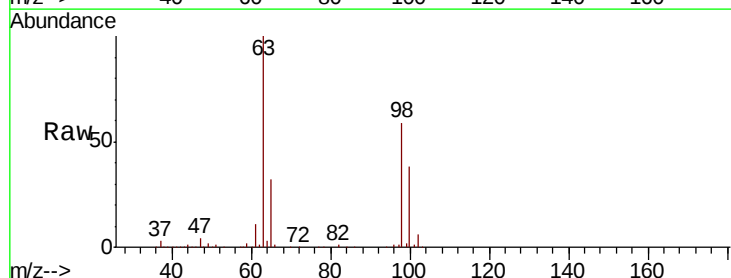
Tgt Ion: 96 Resp: 1794

Ion Ratio Lower Upper

96 100

61 1248.0 122.9 228.3#

63 11200.0 91.9 170.7#



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

150000

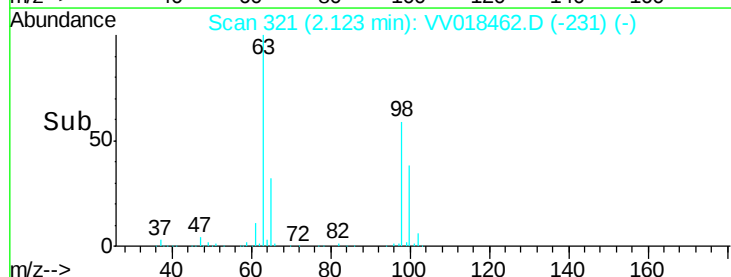
100000

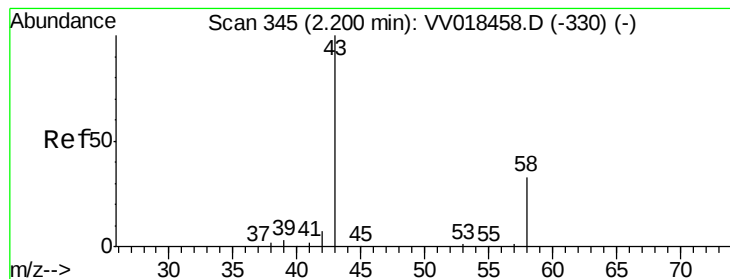
50000

0

2.10 2.15

Time-->





#13

Acetone

Concen: 4.831 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

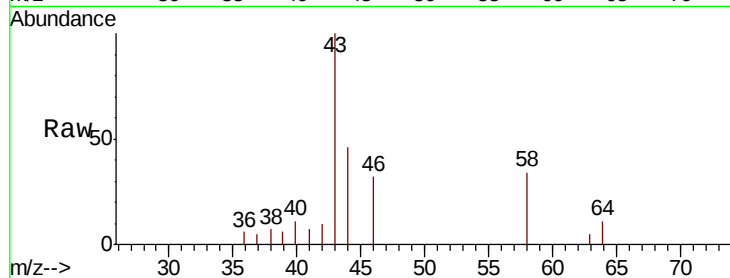
BG3M1

Tot Ion: 43 Resp: 5742

Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

2000

1500

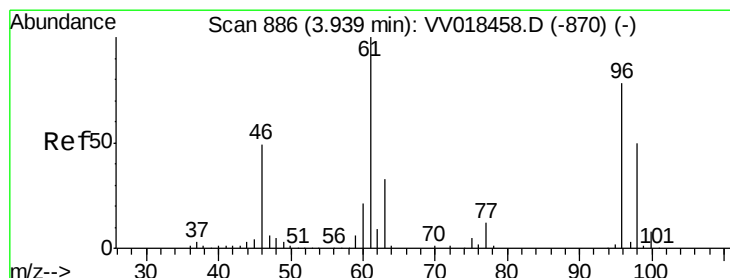
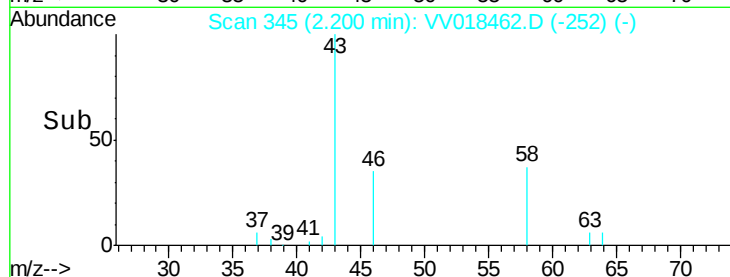
1000

500

0

2.15 2.20 2.25 2.30

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.347 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

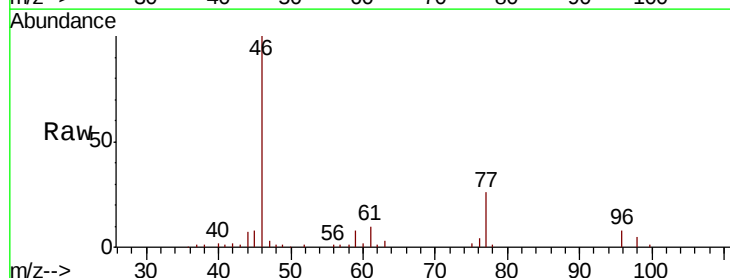
Tgt Ion: 96 Resp: 5052

Ion Ratio Lower Upper

96 100

61 120.4 93.6 173.8

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

3.95

3000

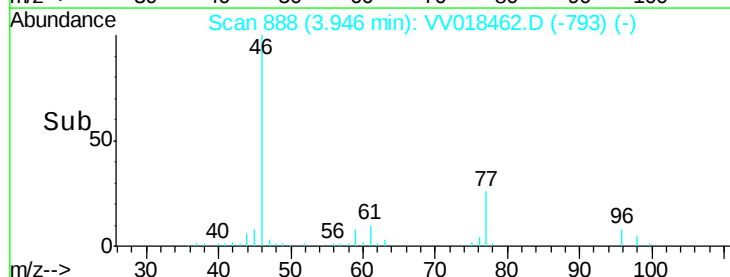
2000

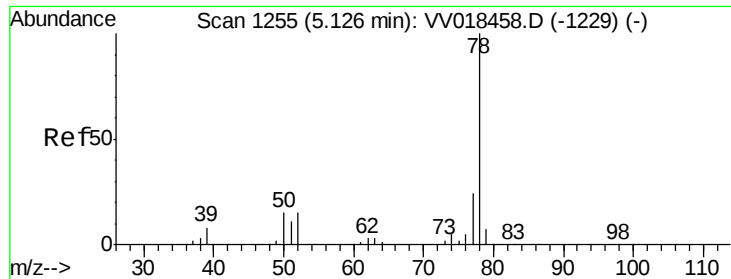
1000

0

3.90 3.95 4.00

Time-->





#33

Benzene

Concen: 19.486 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

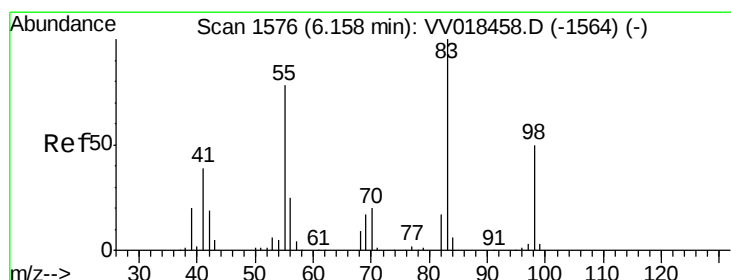
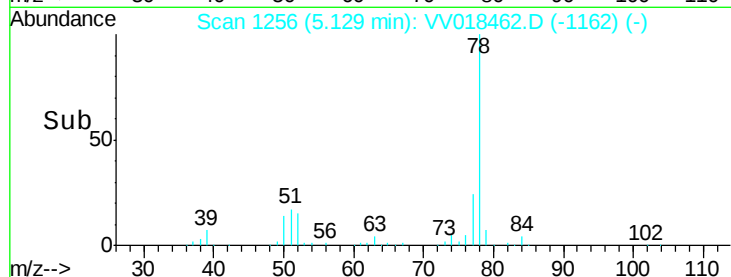
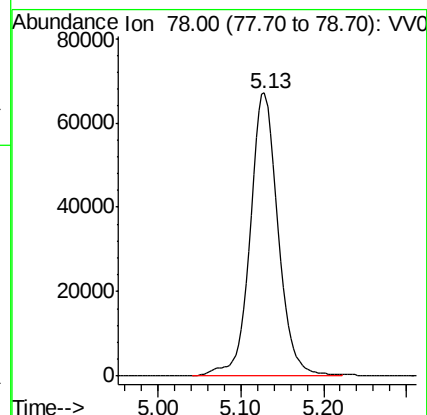
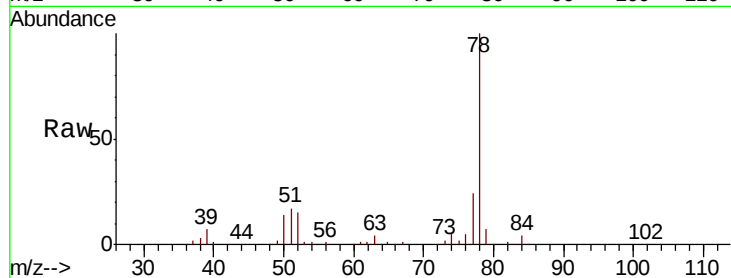
Instrument :

MSVOA_V

ClientSampleId :

BG3M1

Tgt Ion: 78 Resp: 157221



#35

Methylcyclohexane

Concen: 11.528 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

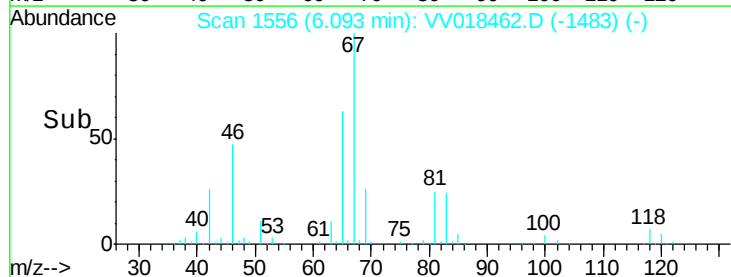
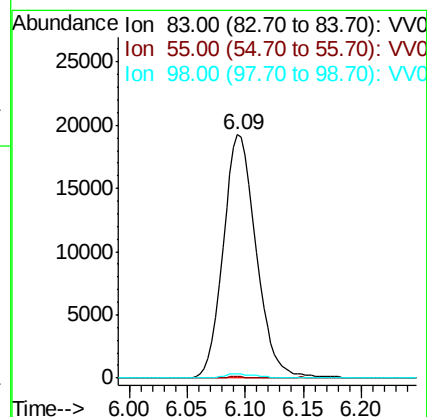
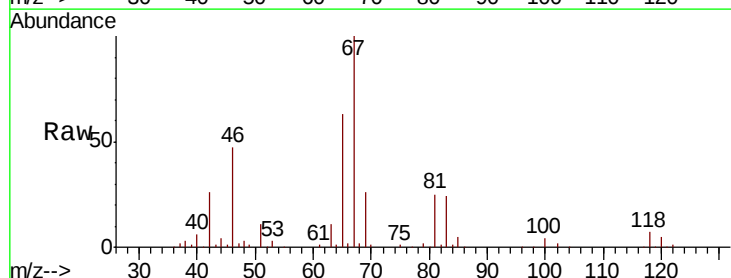
Tgt Ion: 83 Resp: 38151

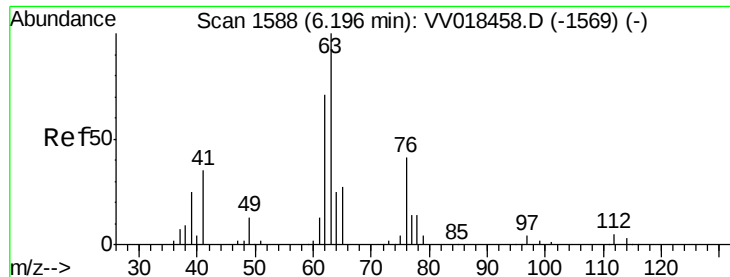
Ion Ratio Lower Upper

83 100

55 0.3 63.4 95.2#

98 1.6 38.8 58.2#





#37

1,2-Dichloropropane

Concen: 7.812 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

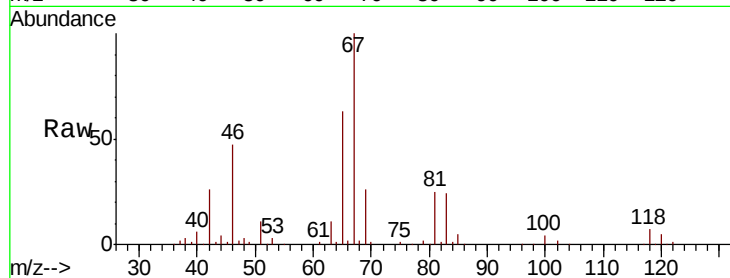
BG3M1

Tot Ion: 63 Resp: 16703

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018458.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018458.D (-1569) (-)

6.09

8000

6000

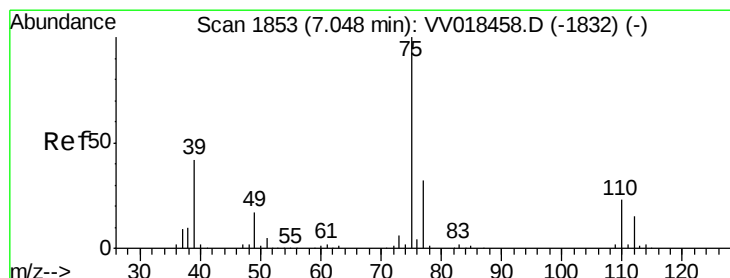
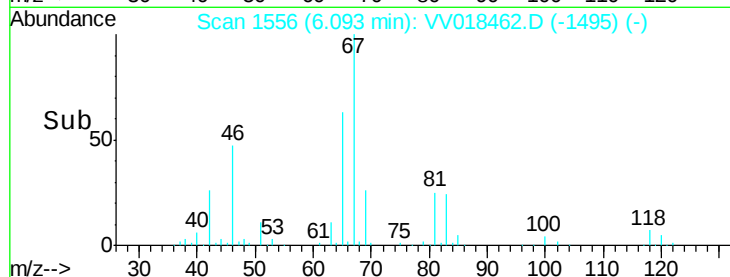
4000

2000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.290 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018462.D

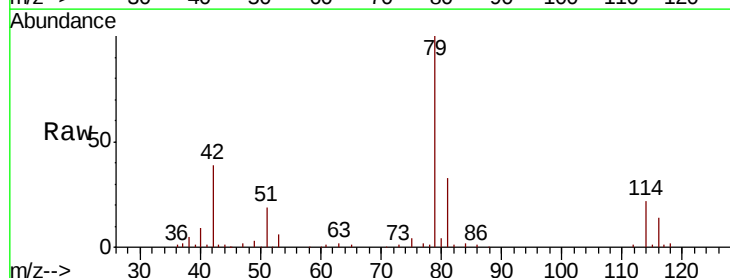
Acq: 25 Sep 2020 17:47

Tgt Ion: 75 Resp: 4249

Ion Ratio Lower Upper

75 100

77 51.1 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV018458.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV018458.D (-1832) (-)

7.01

2500

2000

1500

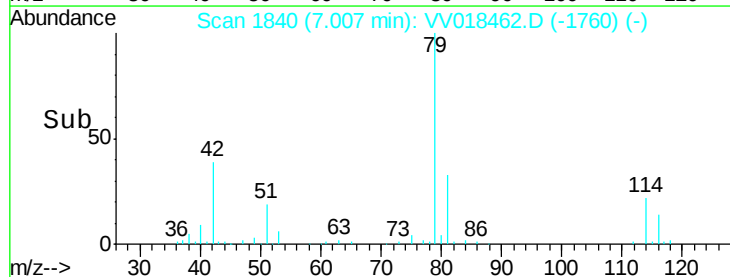
1000

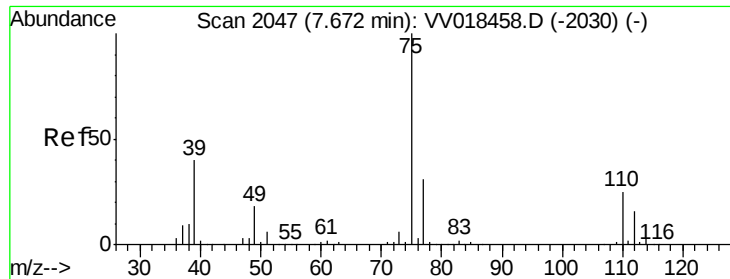
500

0

6.95 7.00 7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

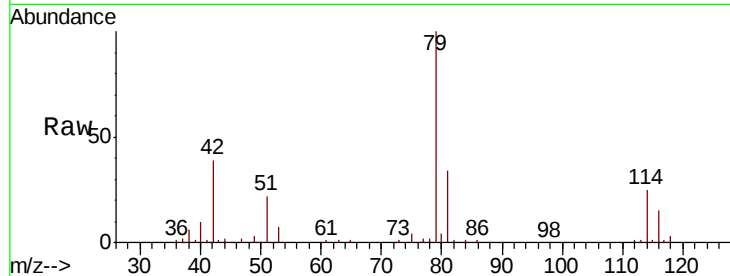
BG3M1

Tot Ion: 75 Resp: 2995

Ion Ratio Lower Upper

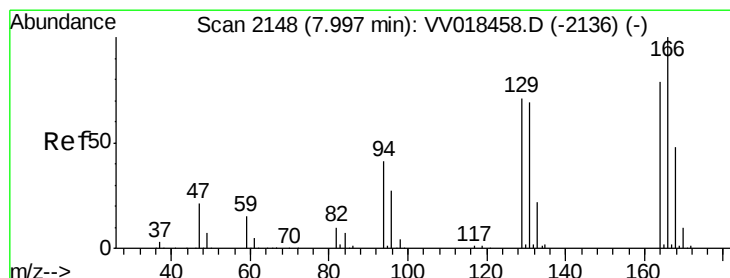
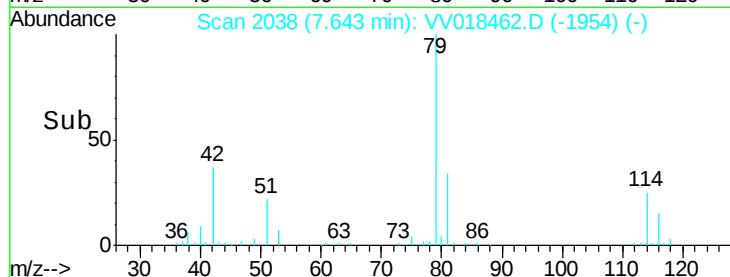
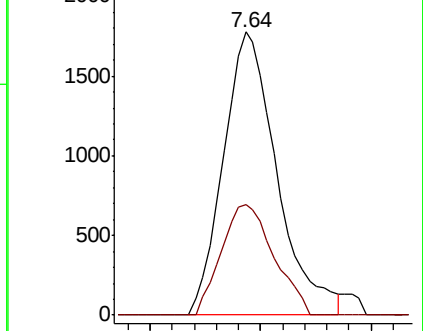
75 100

77 39.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018458.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018458.D (-2030) (-)



#46

Tetrachloroethene

Concen: 0.684 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Tgt Ion: 164 Resp: 1178

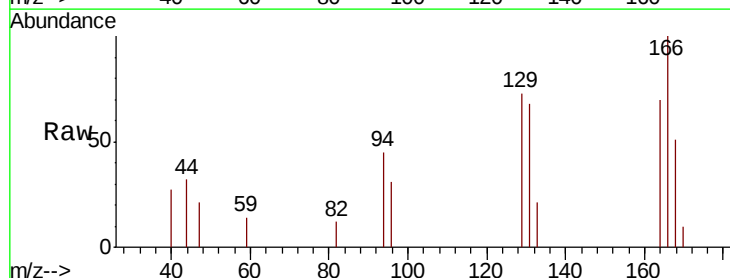
Ion Ratio Lower Upper

164 100

129 104.0 64.5 119.7

131 97.2 61.8 114.8

166 143.2 90.6 168.2

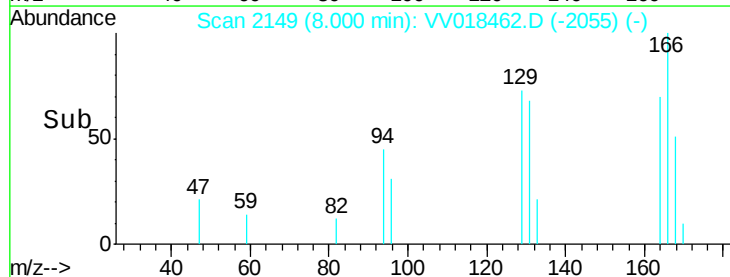
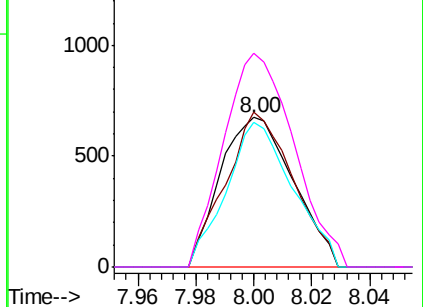


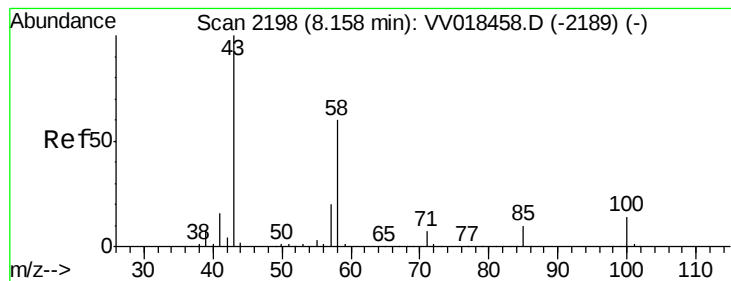
Abundance Ion 164.00 (163.70 to 164.70): VV018458.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018458.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018458.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018458.D (-2136) (-)





#48

2-Hexanone

Concen: 3.732 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018462.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

BG3M1

Tot Ion: 43 Resp: 7632

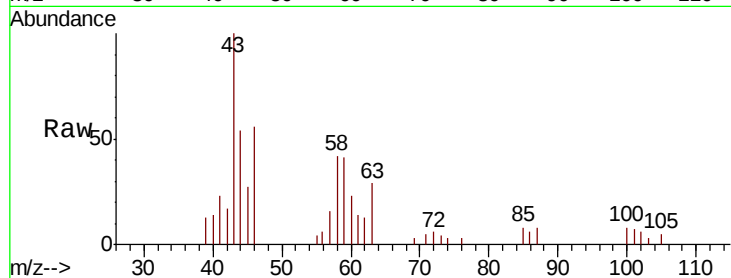
Ion Ratio Lower Upper

43 100

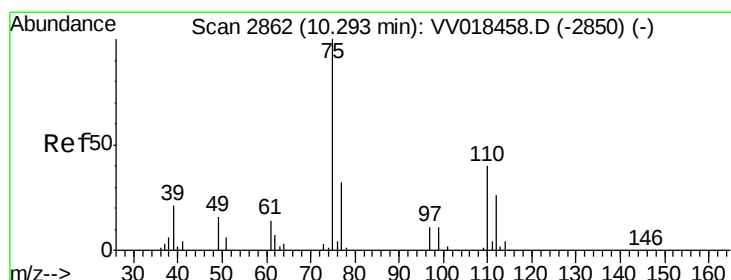
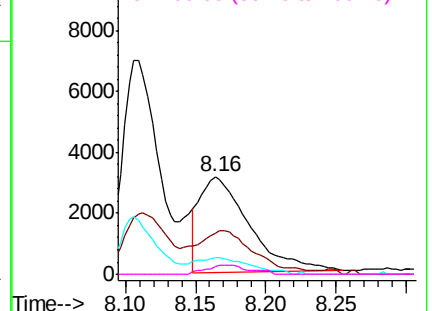
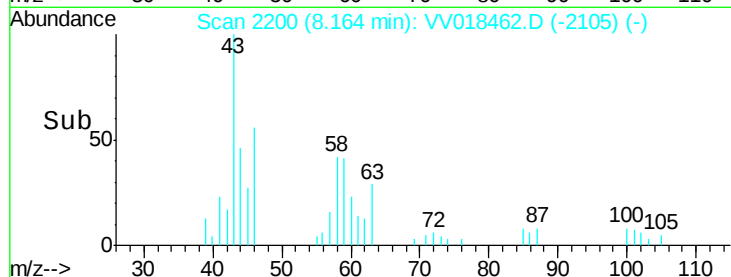
58 36.3 44.8 67.2#

57 14.7 15.8 23.6#

100 7.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VV018462.D (-2105) (-)



#59

1,2,3-Trichloropropane

Concen: 6.155 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018462.D

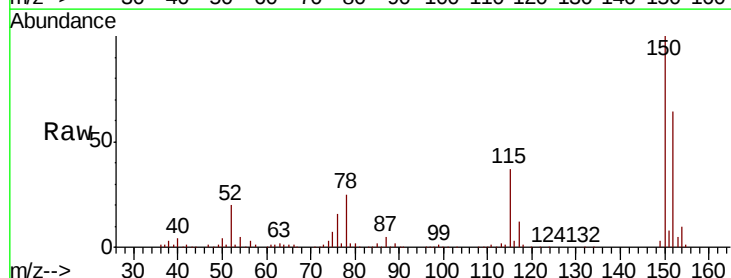
Acq: 25 Sep 2020 17:47

Tgt Ion: 75 Resp: 15478

Ion Ratio Lower Upper

75 100

77 35.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018462.D (-2240) (-)

