

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007761.D
 Acq On : 23 Sep 2018 02:35
 Operator : SY/MD
 Sample : J5012-12
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08Q1

Quant Time: Sep 24 02:37:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:35:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	181490	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90740	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38720	39.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.50%
7) Chloroethane-d5	1.59	69	38347	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.56%
11) 1,1-Dichloroethene-d2	2.14	63	75223	32.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.70%
21) 2-Butanone-d5	3.95	46	51036	78.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.34%
24) Chloroform-d	4.41	84	85961	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	5.09	65	61934	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
32) Benzene-d6	5.11	84	180778	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.90%
36) 1,2-Dichloropropane-d6	6.13	67	54005	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.94%
41) Toluene-d8	7.36	98	182256	42.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.78%
43) trans-1,3-Dichloropropene-	7.67	79	20551	33.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.88%
47) 2-Hexanone-d5	8.14	63	41394	78.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.27%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	77926	41.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.14%
64) 1,2-Dichlorobenzene-d4	11.68	152	84703	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%

Target Compounds

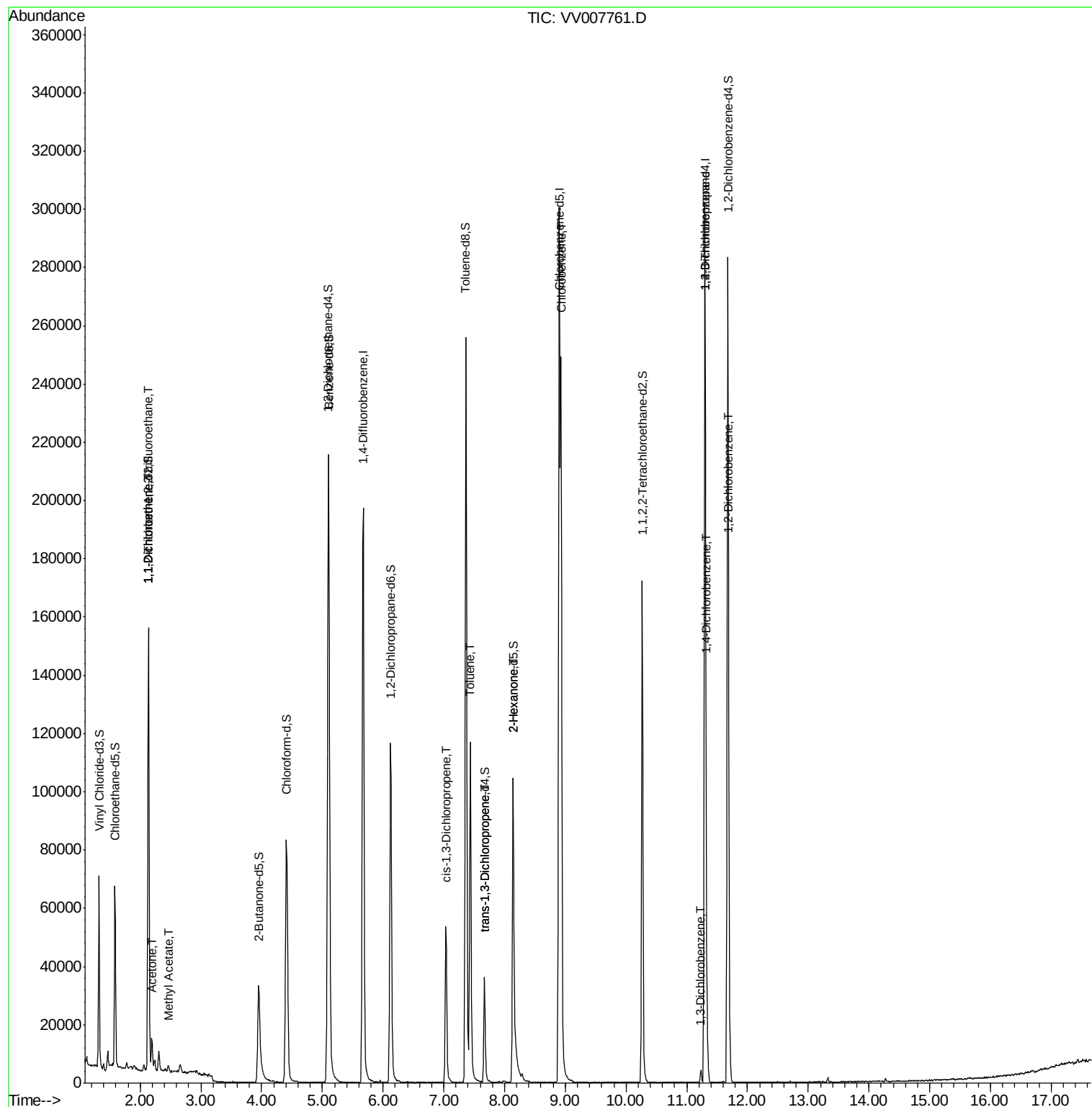
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	848	0.618	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	755	0.627	ug/L #	1
13) Acetone	2.19	43	8695	12.647	ug/L	94
15) Methyl Acetate	2.46	43	1946	1.599	ug/L	93
39) cis-1,3-Dichloropropene	7.04	75	1528	0.891	ug/L #	73
42) Toluene	7.44	91	87604	17.439	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1133	0.696	ug/L #	81
48) 2-Hexanone	8.14	43	5347	4.920	ug/L #	79
51) Chlorobenzene	8.93	112	130602	36.093	ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	11427	7.573	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	2311	0.803	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	8944	2.997	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	3455	1.188	ug/L	88

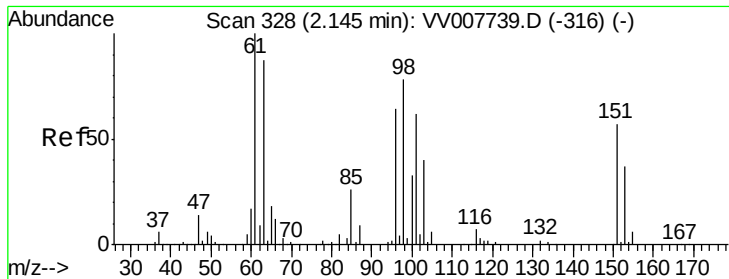
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.618 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

Instrument :

MSVOA_V

ClientSampleId :

C08Q1

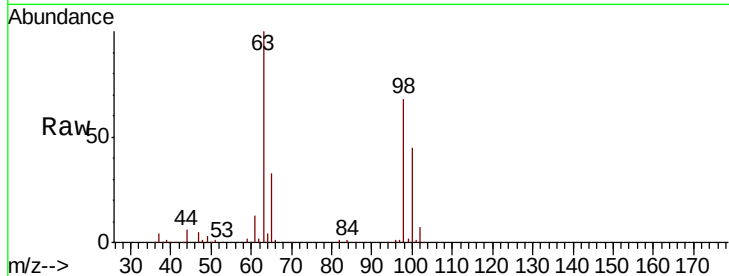
Tgt Ion:101 Resp: 848

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

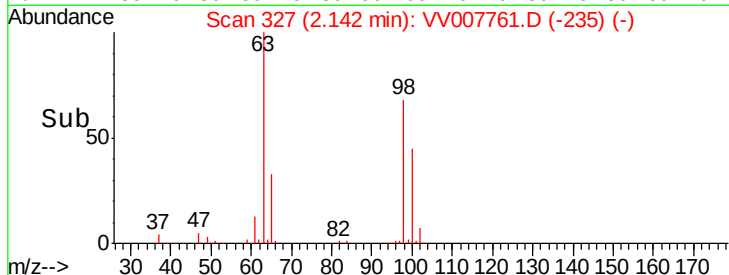
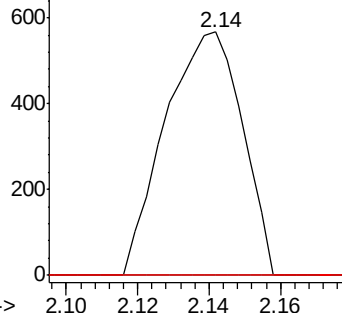
151 0.0 72.2 108.2#



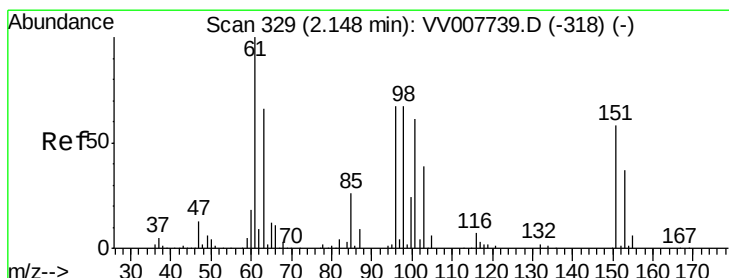
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.627 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

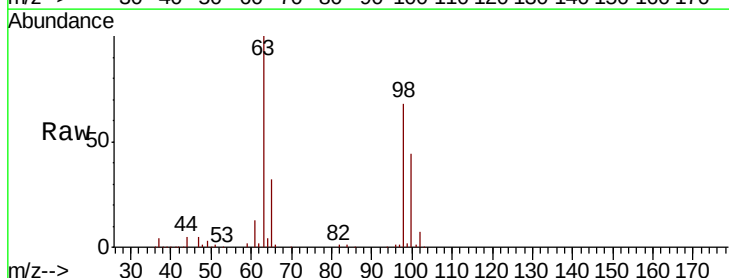
Tgt Ion: 96 Resp: 755

Ion Ratio Lower Upper

96 100

61 1304.6 107.3 199.3#

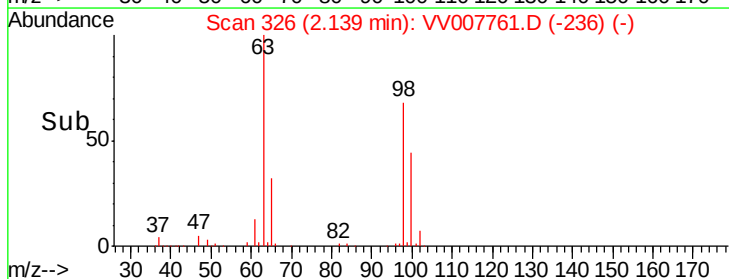
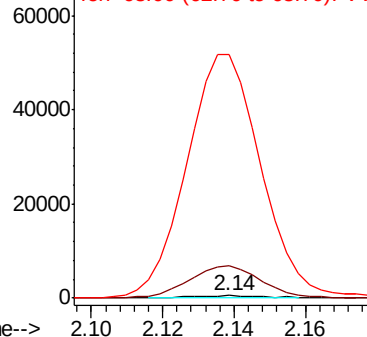
63 9951.4 78.8 146.4#



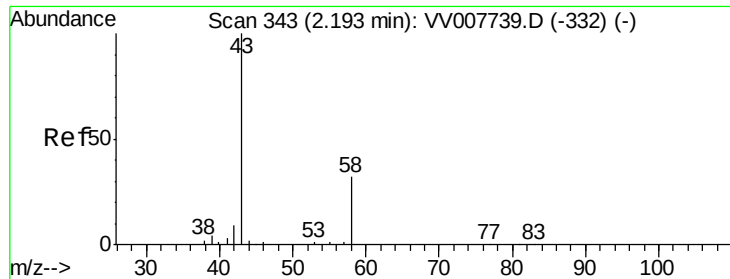
Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->



#13

Acetone

Concen: 12.647 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

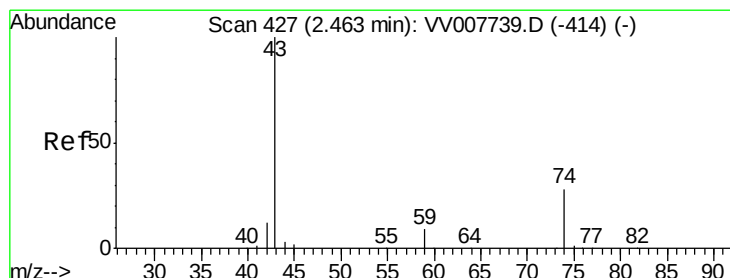
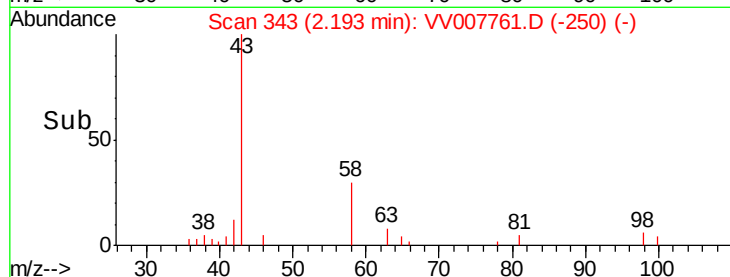
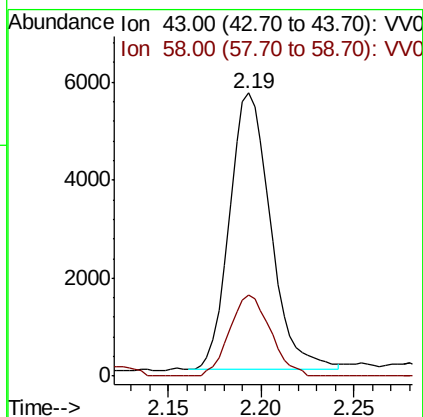
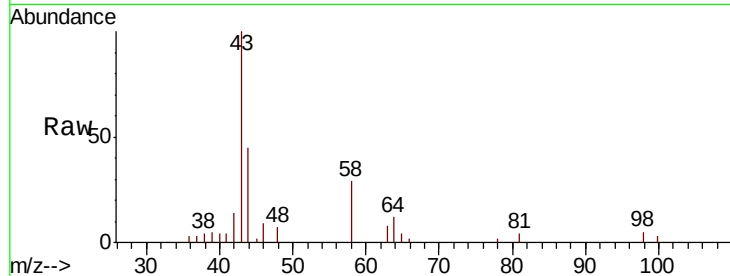
Instrument :
MSVOA_V
ClientSampled :
C08Q1

Tgt Ion: 43 Resp: 8695

Ion Ratio Lower Upper

43 100

58 29.1 0.0 65.2



#15

Methyl Acetate

Concen: 1.599 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV007761.D

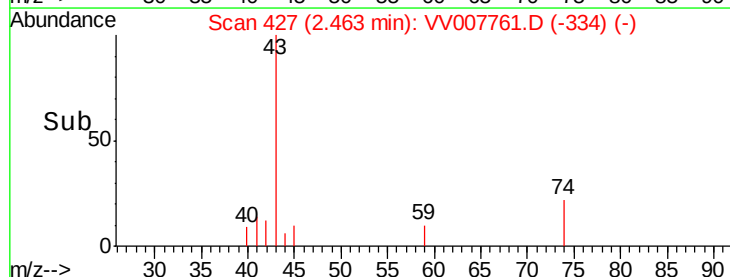
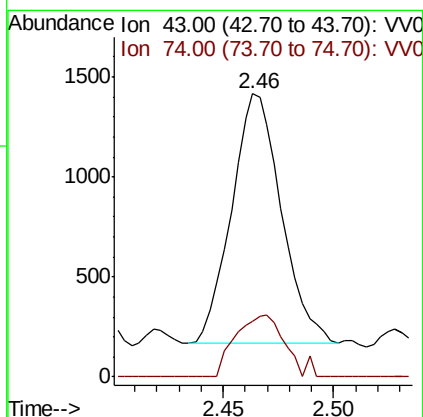
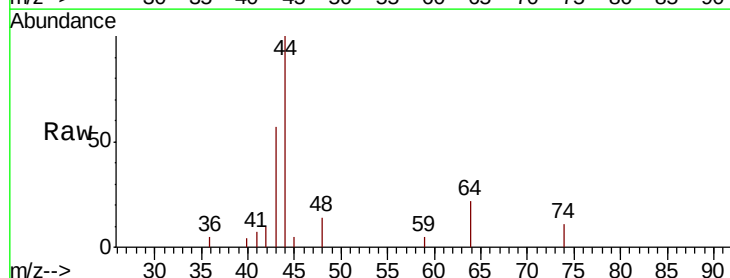
Acq: 23 Sep 2018 02:35

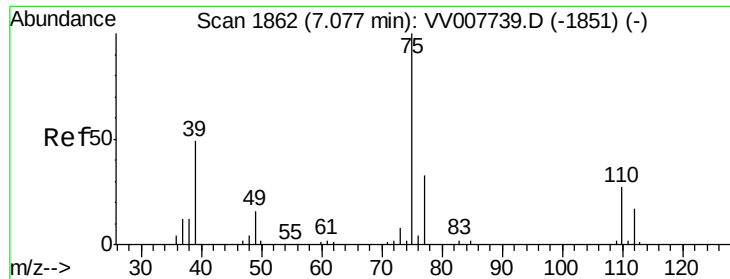
Tgt Ion: 43 Resp: 1946

Ion Ratio Lower Upper

43 100

74 23.9 22.2 33.2

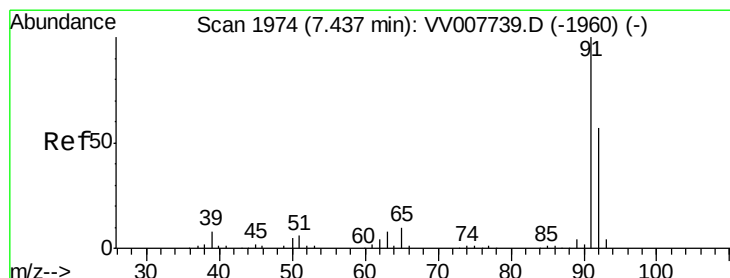
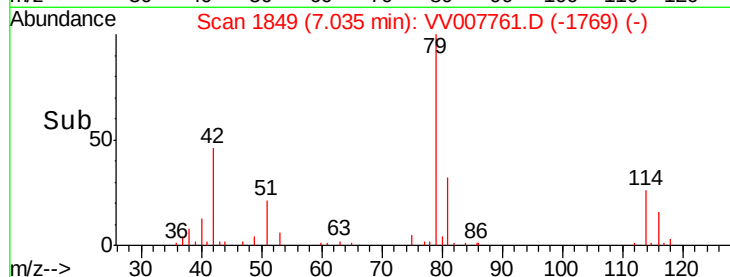
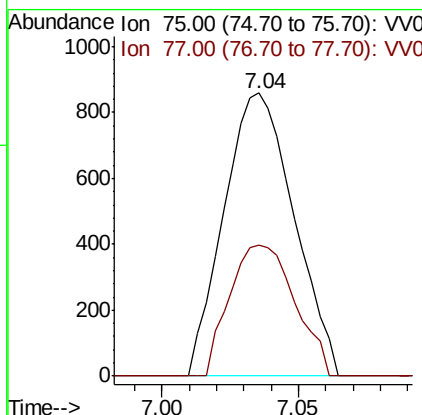
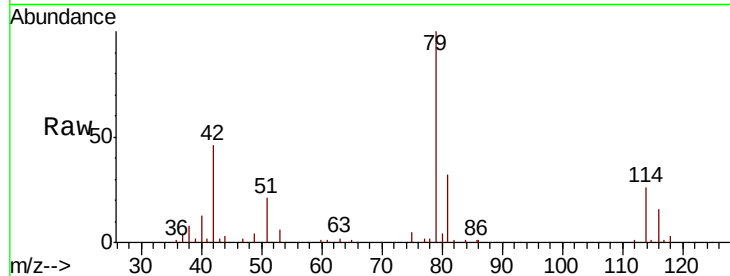




#39
 cis-1,3-Dichloropropene
 Concen: 0.891 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007761.D
 Acq: 23 Sep 2018 02:35

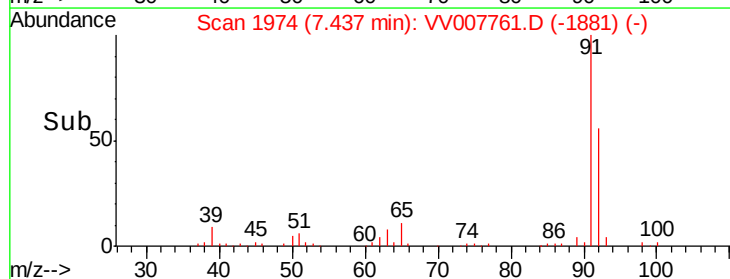
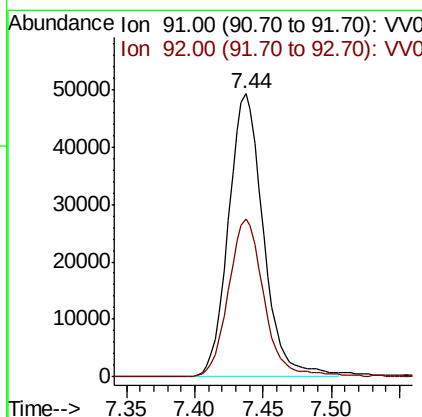
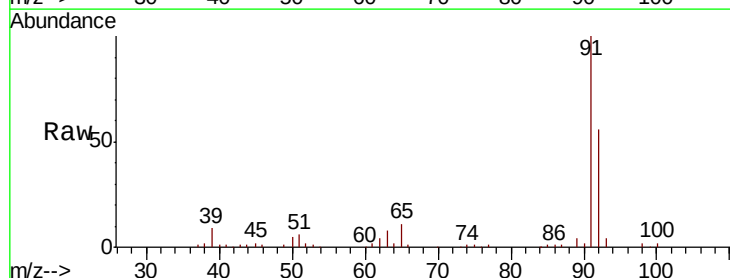
Instrument :
 MSVOA_V
 ClientSampleId :
 C08Q1

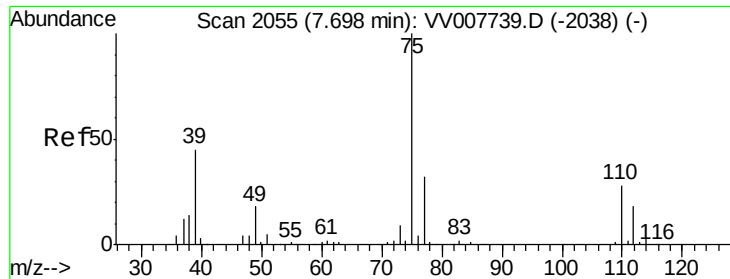
Tgt Ion: 75 Resp: 1528
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.0 40.8#



#42
 Toluene
 Concen: 17.439 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VV007761.D
 Acq: 23 Sep 2018 02:35

Tgt Ion: 91 Resp: 87604
 Ion Ratio Lower Upper
 91 100
 92 55.8 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 0.696 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

Instrument :

MSVOA_V

ClientSampleId :

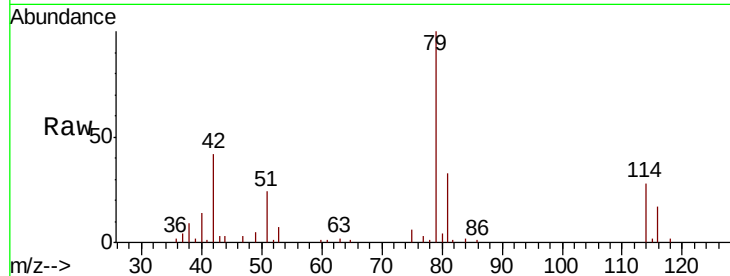
C08Q1

Tgt Ion: 75 Resp: 1133

Ion Ratio Lower Upper

75 100

77 42.0 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV007739.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007739.D (-2038) (-)

7.67

600

400

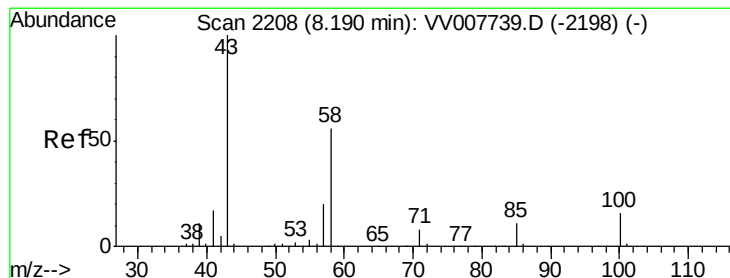
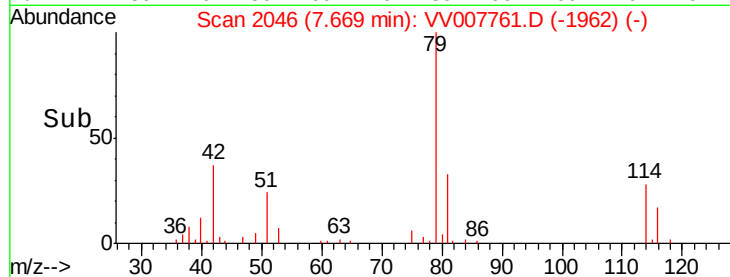
200

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 4.920 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

Tgt Ion: 43 Resp: 5347

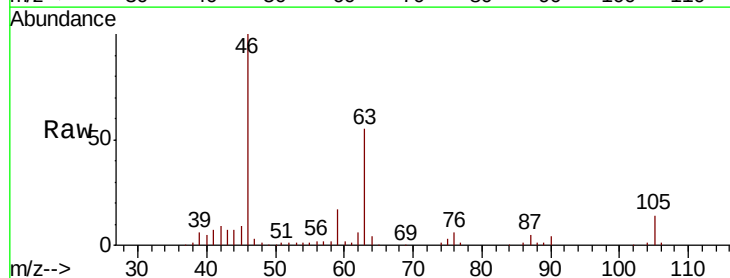
Ion Ratio Lower Upper

43 100

58 36.0 41.4 62.0#

57 22.3 16.0 24.0

100 0.0 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VV007739.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV007739.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV007739.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VV007739.D (-2198) (-)

8.14

4000

3000

2000

1000

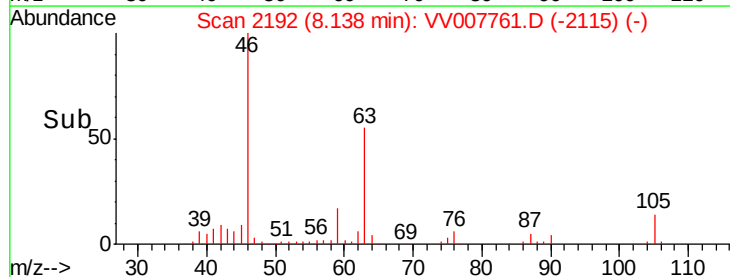
0

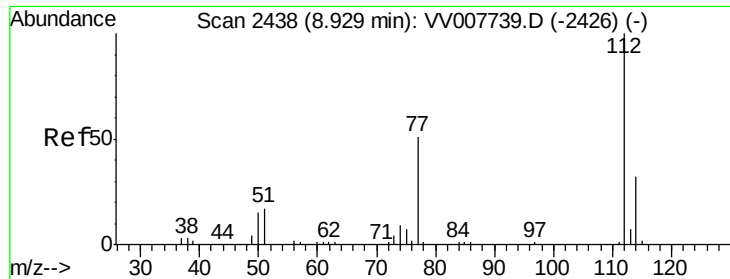
8.10

8.15

8.20

Time-->





#51

Chlorobenzene

Concen: 36.093 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

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ClientSampleId :

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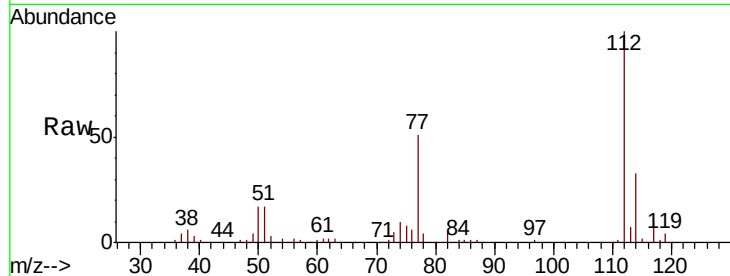
Tgt Ion: 112 Resp: 130602

Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.3

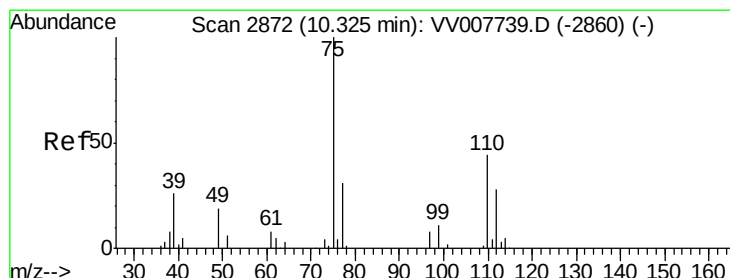
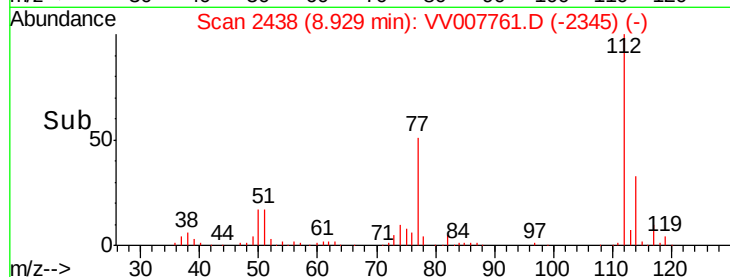
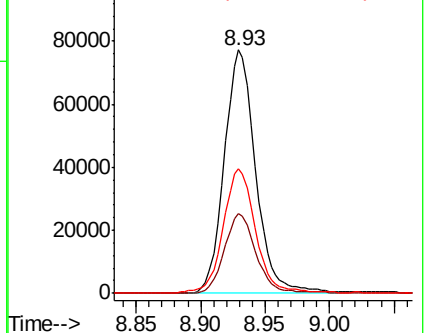
77 51.3 40.6 60.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 7.573 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.97 min

Lab File: VV007761.D

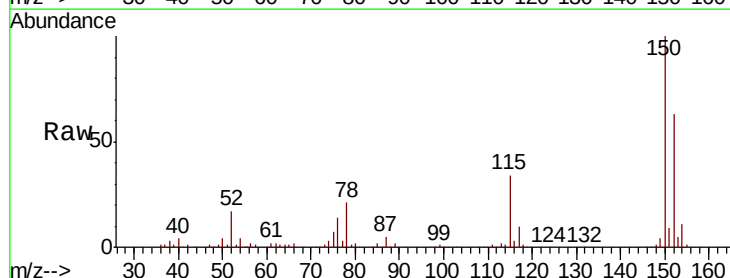
Acq: 23 Sep 2018 02:35

Tgt Ion: 75 Resp: 11427

Ion Ratio Lower Upper

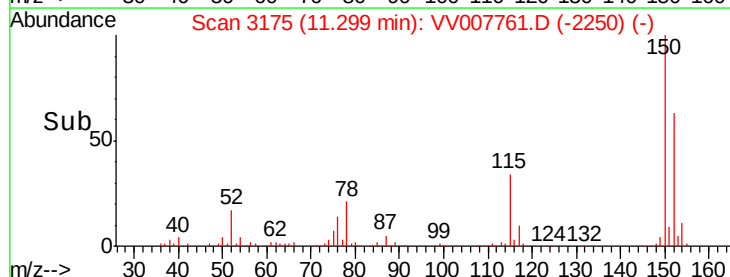
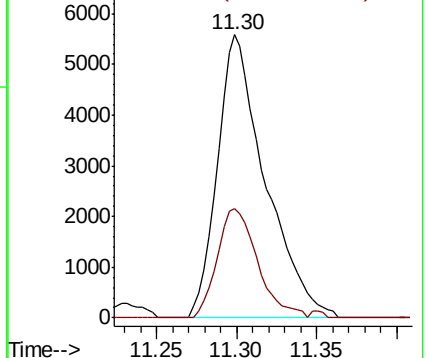
75 100

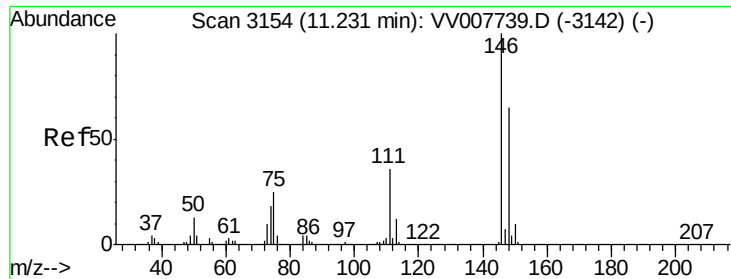
77 32.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 0.803 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

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MSVOA_V

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C08Q1

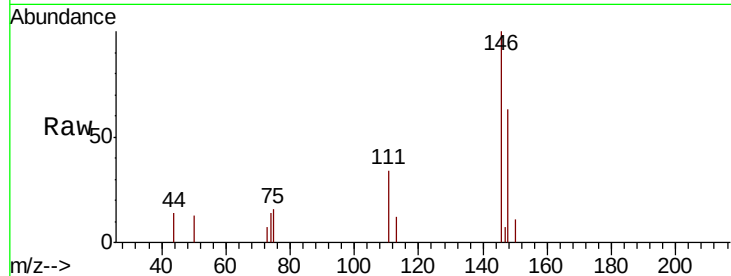
Tgt Ion:146 Resp: 2311

Ion Ratio Lower Upper

146 100

111 33.8 25.1 46.7

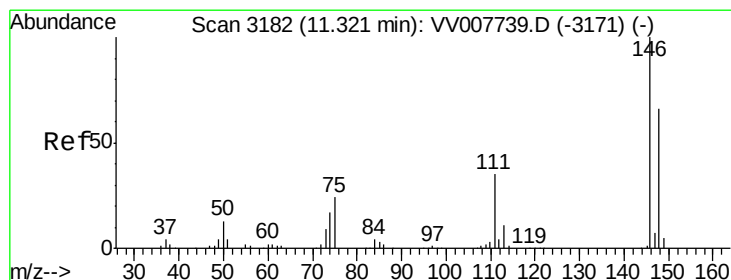
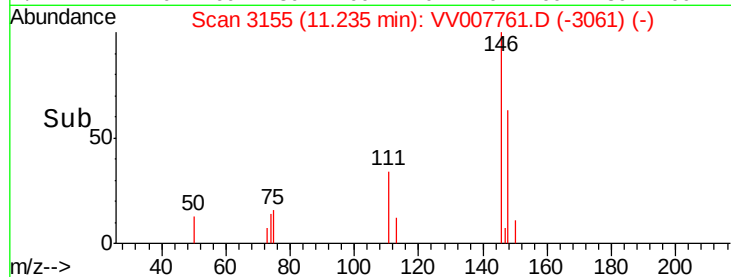
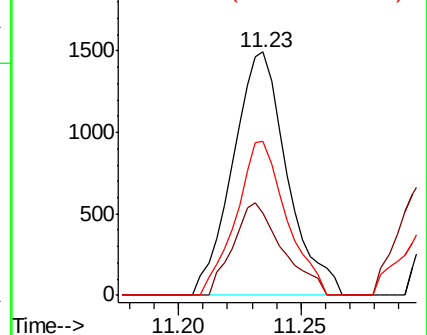
148 63.4 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.997 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007761.D

Acq: 23 Sep 2018 02:35

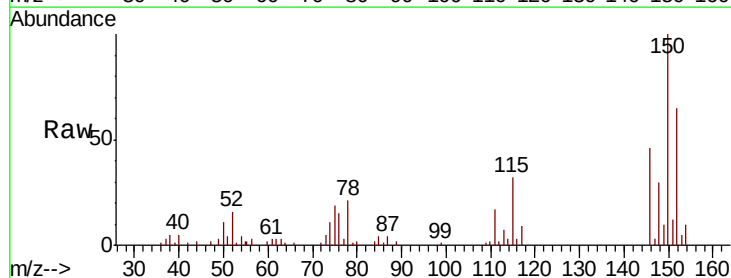
Tgt Ion:146 Resp: 8944

Ion Ratio Lower Upper

146 100

111 37.1 24.4 45.4

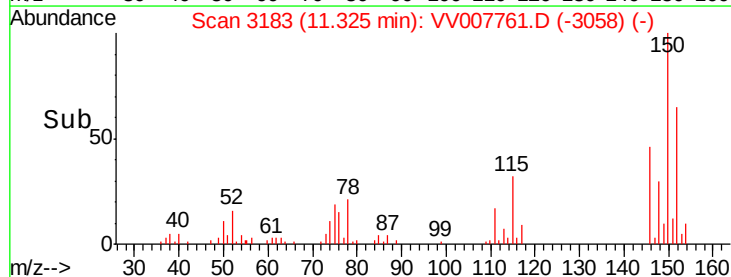
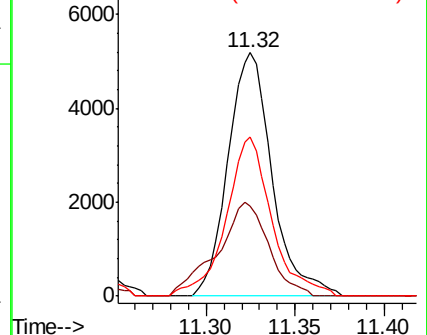
148 65.4 45.1 83.7

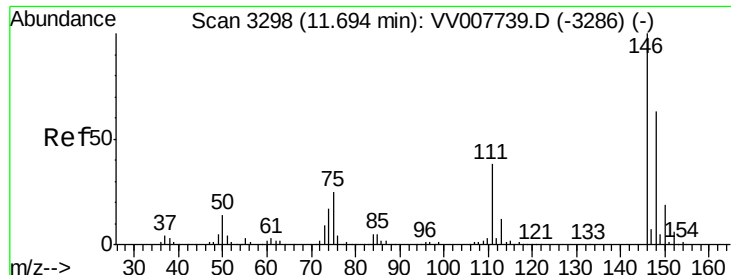


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 1.188 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007761.D
 Acq: 23 Sep 2018 02:35

Instrument :
 MSVOA_V
 ClientSampleId :
 C08Q1

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	29.8	44.8
148	72.8	50.8	76.2

