

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007760.D
 Acq On : 23 Sep 2018 02:10
 Operator : SY/MD
 Sample : J5012-01 500X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08J8

Quant Time: Sep 24 02:37:46 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	181310	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94699	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39191	39.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.54%
7) Chloroethane-d5	1.59	69	39388	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.98%
11) 1,1-Dichloroethene-d2	2.32	63	149	0.06	ug/L	0.18
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.12%#
21) 2-Butanone-d5	3.95	46	57933	89.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.02%
24) Chloroform-d	4.41	84	86768	41.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.26%
26) 1,2-Dichloroethane-d4	5.09	65	61525	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
32) Benzene-d6	5.11	84	181309	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.13	67	54168	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.64%
41) Toluene-d8	7.36	98	188200	44.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.67	79	20933	34.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.70%
47) 2-Hexanone-d5	8.14	63	44245	83.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.13%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	79606	42.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.38%
64) 1,2-Dichlorobenzene-d4	11.68	152	88919	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%

Target Compounds

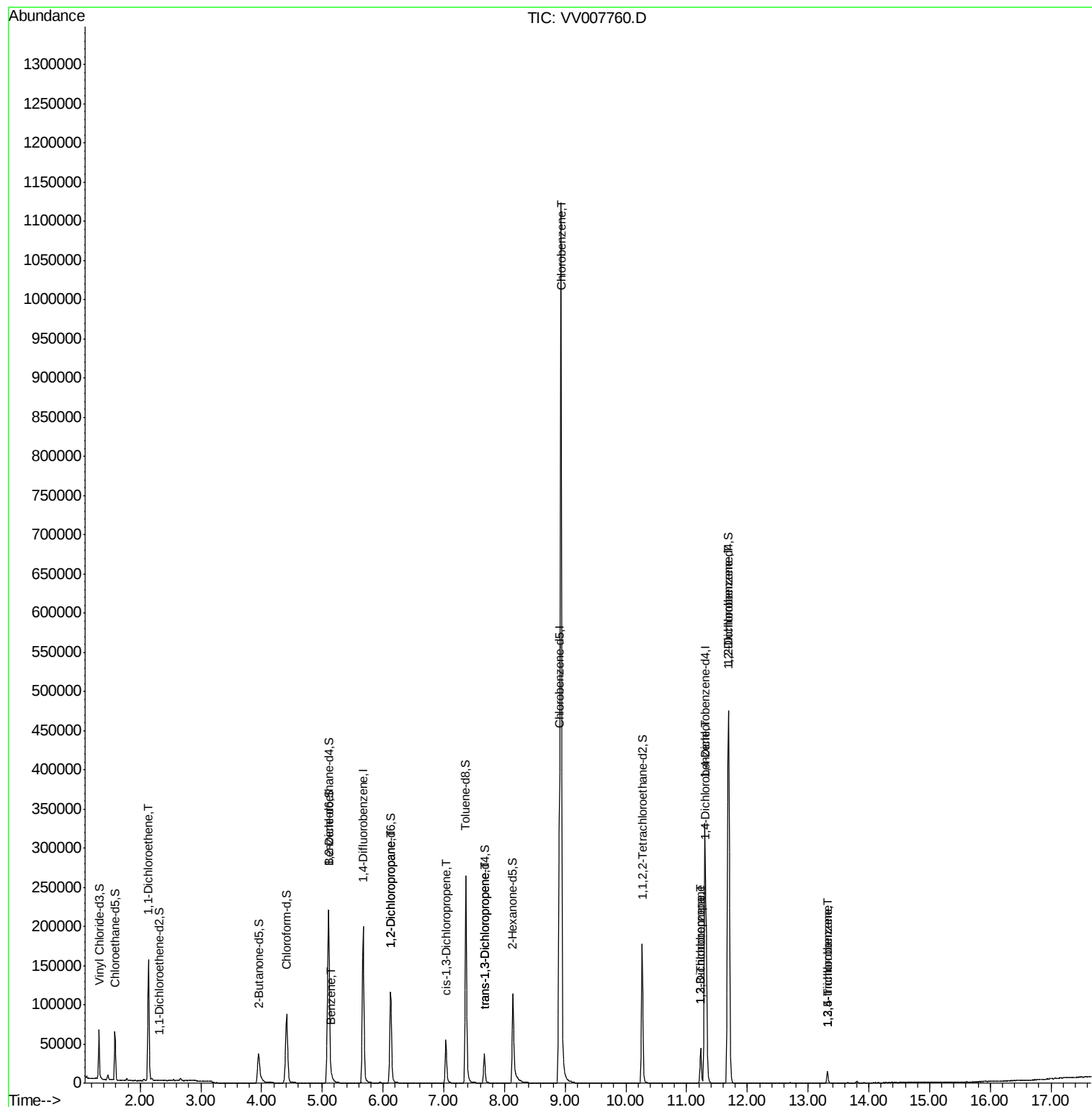
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	745	0.620	ug/L #	1
33) Benzene	5.15	78	5048	1.184	ug/L	100
37) 1,2-Dichloropropane	6.13	63	6438	5.995	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1519	0.880	ug/L #	75
44) trans-1,3-Dichloropropene	7.67	75	1086	0.663	ug/L #	83
51) Chlorobenzene	8.93	112	630915	173.244	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	4874	3.210	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	20825	6.936	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	71152	22.846	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	169376	55.788	ug/L	98
67) 1,3,5-Trichlorobenzene	13.32	180	5290	2.098	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	5290	2.337	ug/L	94

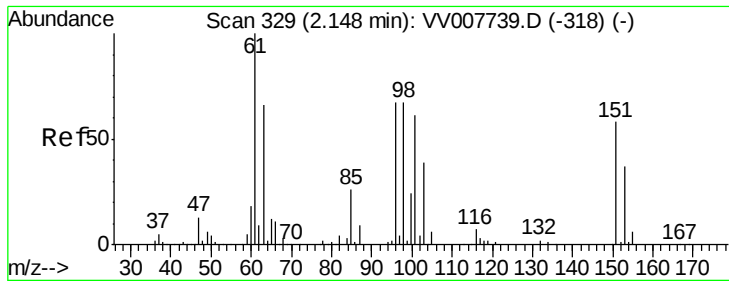
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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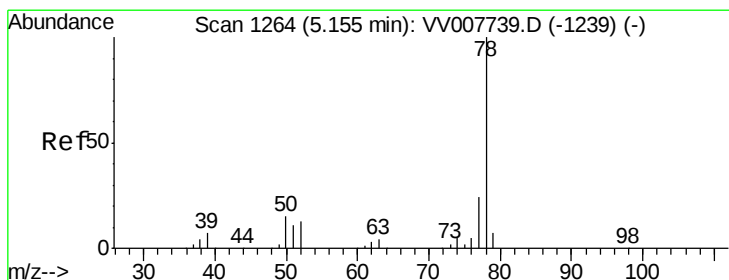
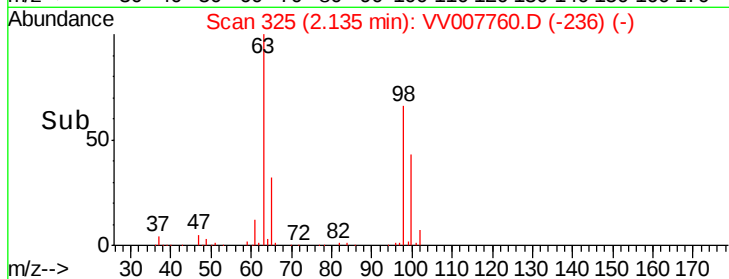
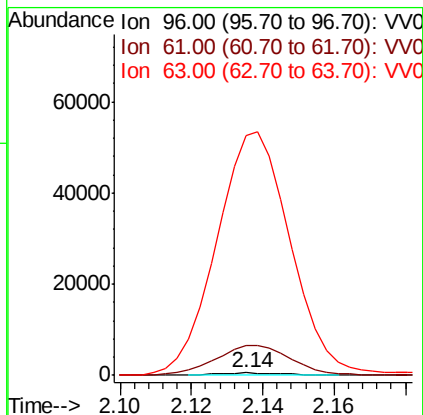
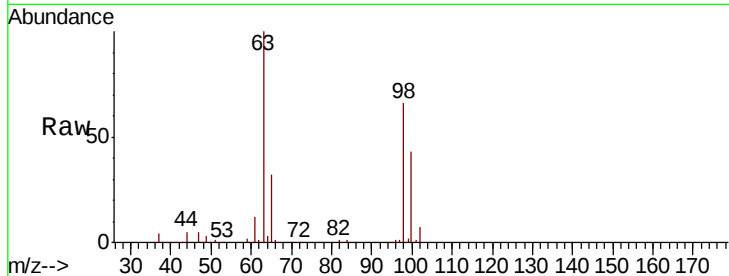




#12
 1,1-Dichloroethene
 Concen: 0.620 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VV007760.D
 Acq: 23 Sep 2018 02:10

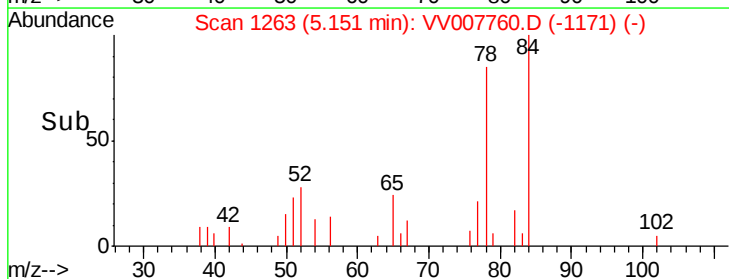
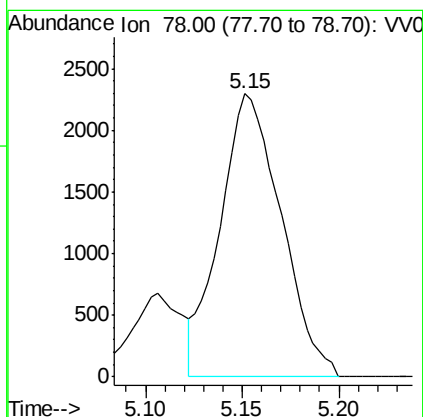
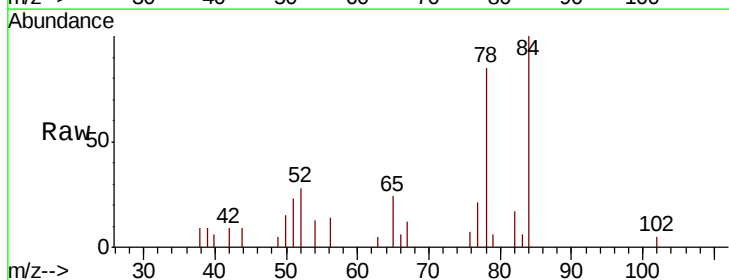
Instrument :
 MSVOA_V
 ClientSampleId :
 C08J8

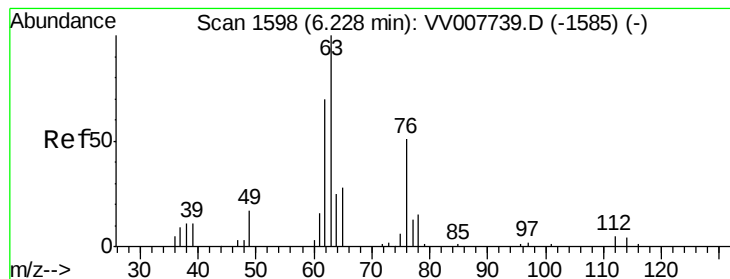
Tgt Ion: 96 Resp: 745
 Ion Ratio Lower Upper
 96 100
 61 1267.8 107.3 199.3#
 63 10182.9 78.8 146.4#



#33
 Benzene
 Concen: 1.184 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VV007760.D
 Acq: 23 Sep 2018 02:10

Tgt Ion: 78 Resp: 5048





#37

1,2-Dichloropropane

Concen: 5.995 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

Instrument :

MSVOA_V

ClientSampled :

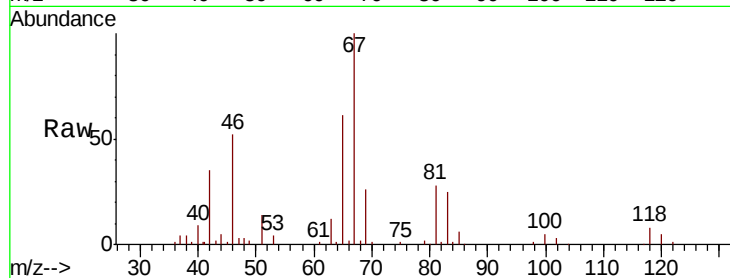
C08J8

Tgt Ion: 63 Resp: 6438

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV007739.D (-1585) (-)

Ion 112.00 (111.70 to 112.70): VV007739.D (-1585) (-)

6.13

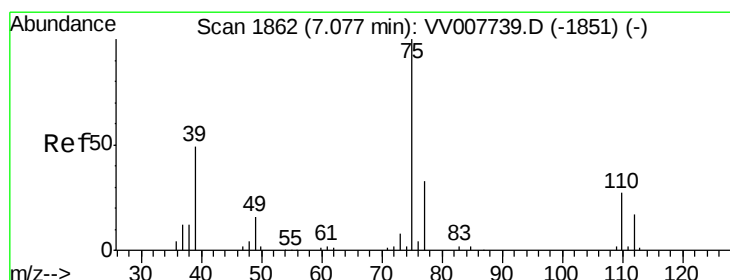
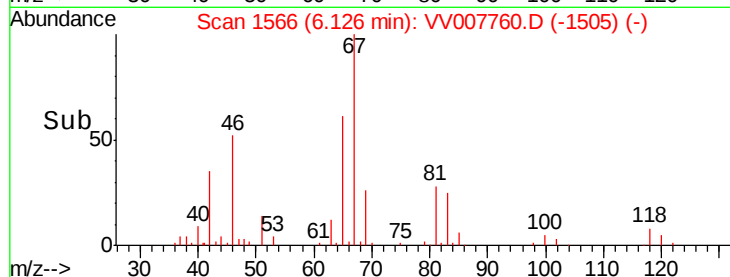
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.880 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.05 min

Lab File: VV007760.D

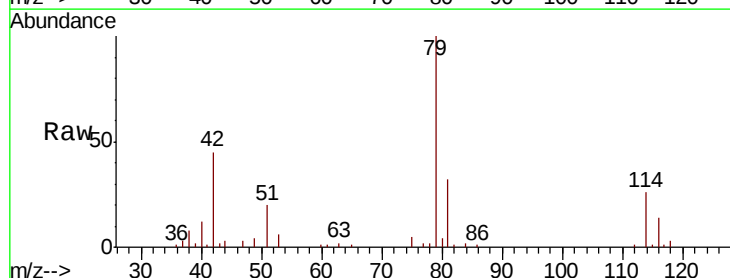
Acq: 23 Sep 2018 02:10

Tgt Ion: 75 Resp: 1519

Ion Ratio Lower Upper

75 100

77 45.1 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV007739.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VV007739.D (-1851) (-)

7.03

1000

800

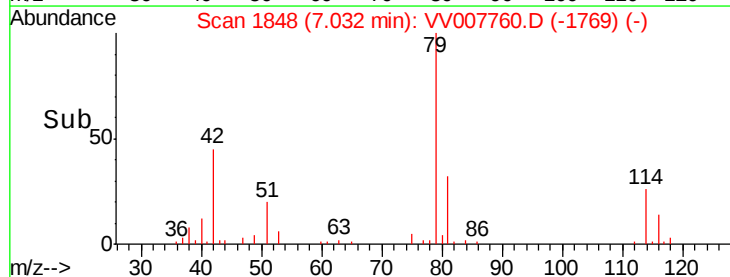
600

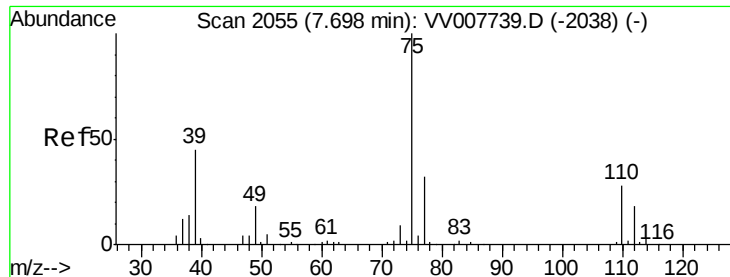
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.663 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

Instrument :

MSVOA_V

ClientSampleId :

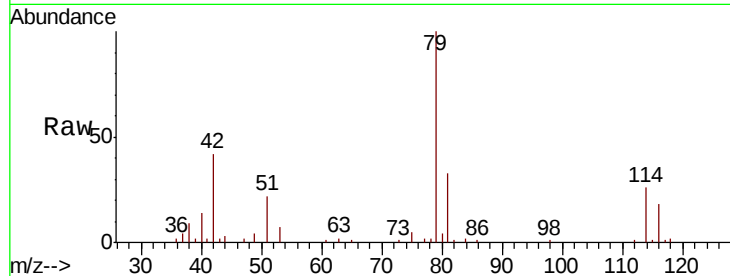
C08J8

Tgt Ion: 75 Resp: 1086

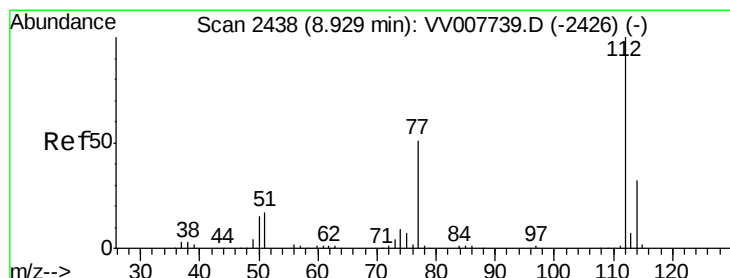
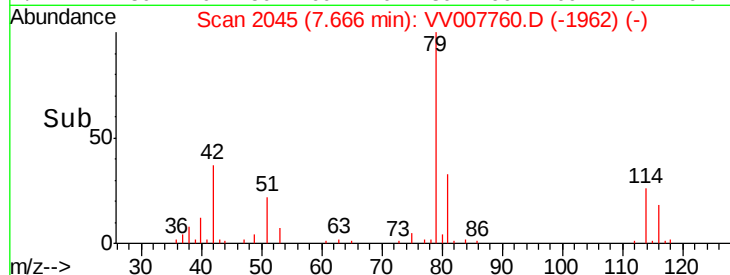
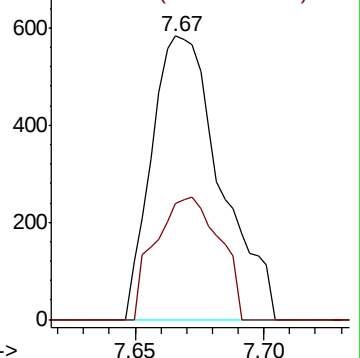
Ion Ratio Lower Upper

75 100

77 40.8 22.0 40.8#



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



#51

Chlorobenzene

Concen: 173.244 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

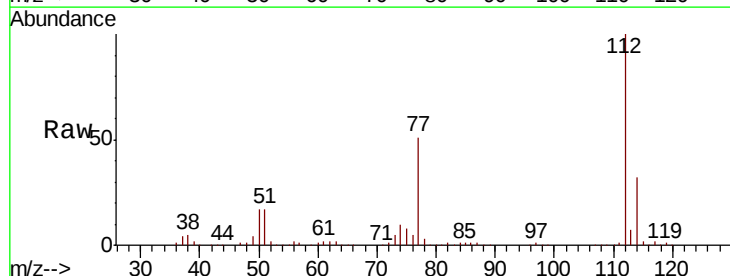
Tgt Ion: 112 Resp: 630915

Ion Ratio Lower Upper

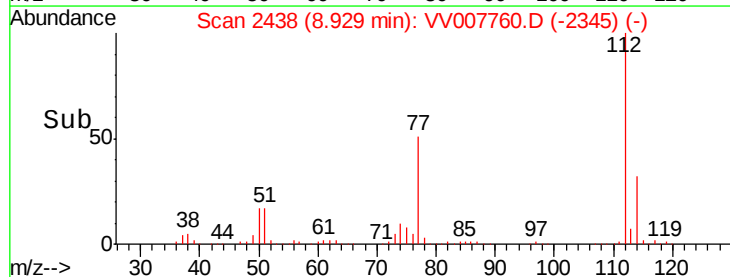
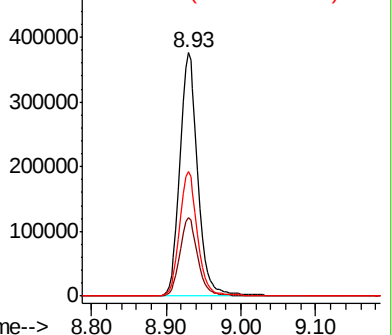
112 100

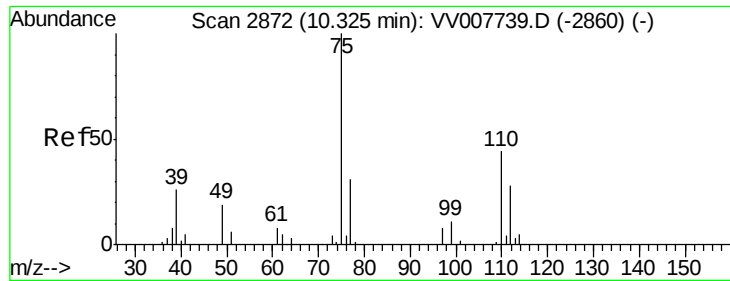
114 32.3 22.3 41.3

77 51.4 40.6 60.8



Abundance Ion 112.00 (111.70 to 112.70): VV007739.D (-2426) (-)





#59

1,2,3-Trichloropropane

Concen: 3.210 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.90 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

Instrument :

MSVOA_V

ClientSampleId :

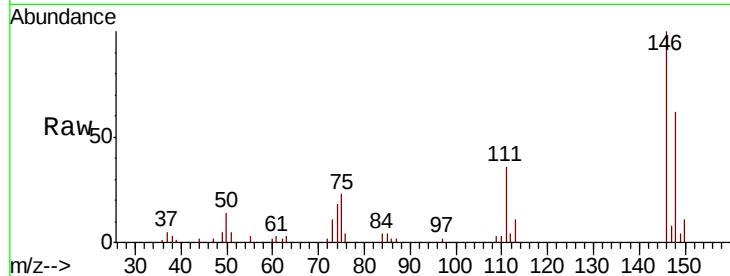
C08J8

Tgt Ion: 75 Resp: 4874

Ion Ratio Lower Upper

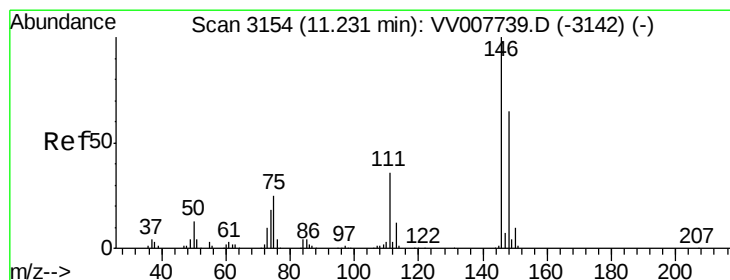
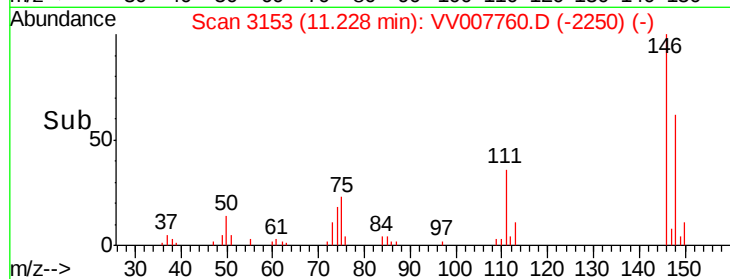
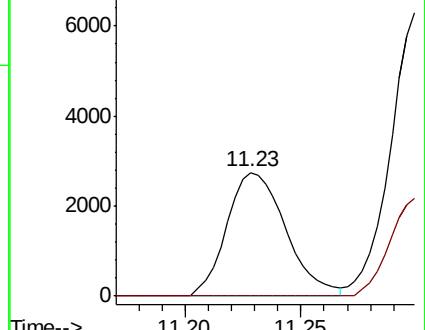
75 100

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV007739.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007739.D (-2860) (-)



#62

1,3-Dichlorobenzene

Concen: 6.936 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

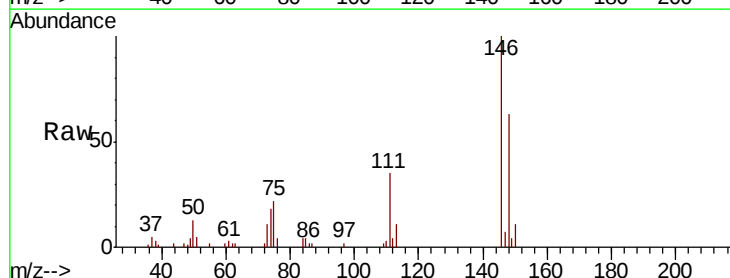
Tgt Ion: 146 Resp: 20825

Ion Ratio Lower Upper

146 100

111 35.1 25.1 46.7

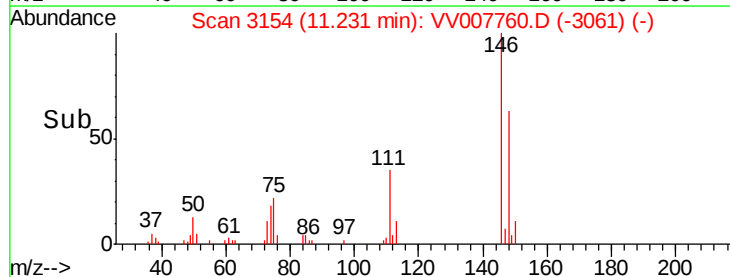
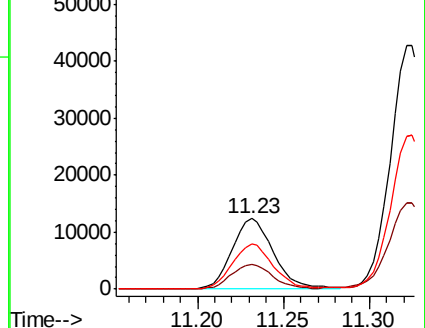
148 63.2 45.1 83.9

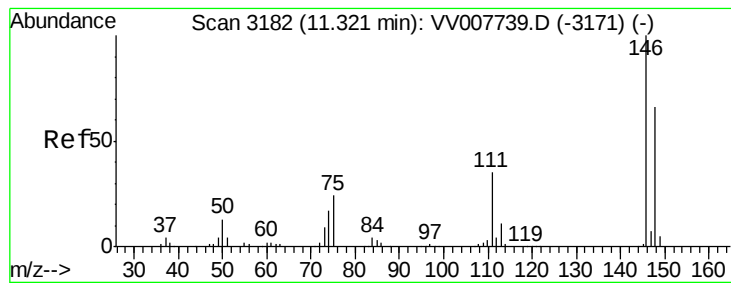


Abundance Ion 146.00 (145.70 to 146.70): VV007739.D (-3142) (-)

Ion 111.00 (110.70 to 111.70): VV007739.D (-3142) (-)

Ion 148.00 (147.70 to 148.70): VV007739.D (-3142) (-)





#63

1,4-Dichlorobenzene

Concen: 22.846 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

Instrument :

MSVOA_V

ClientSampled :

C08J8

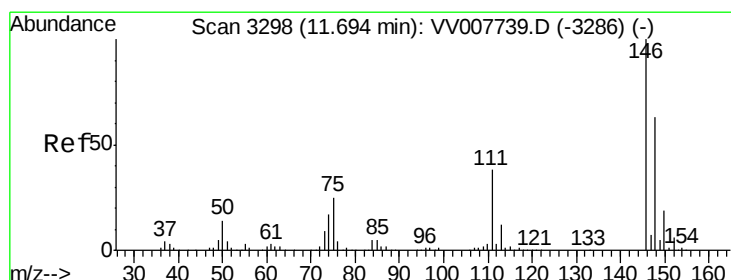
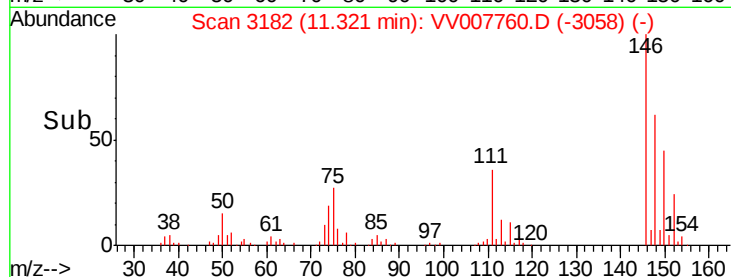
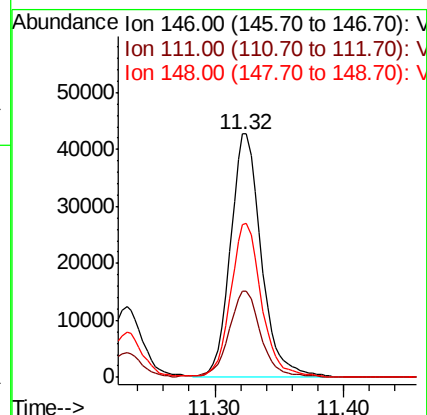
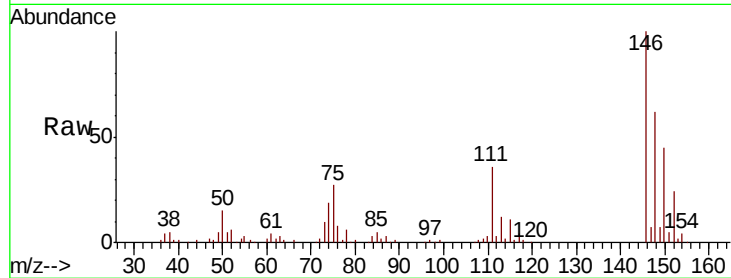
Tgt Ion:146 Resp: 71152

Ion Ratio Lower Upper

146 100

111 35.6 24.4 45.4

148 62.5 45.1 83.7



#65

1,2-Dichlorobenzene

Concen: 55.788 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007760.D

Acq: 23 Sep 2018 02:10

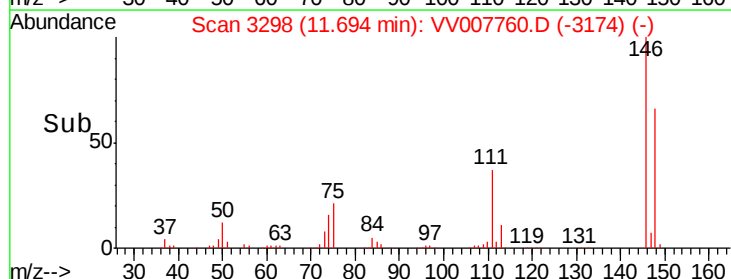
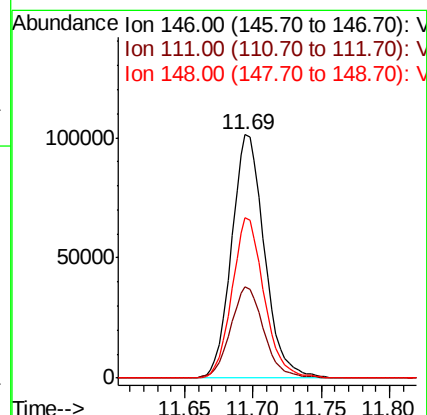
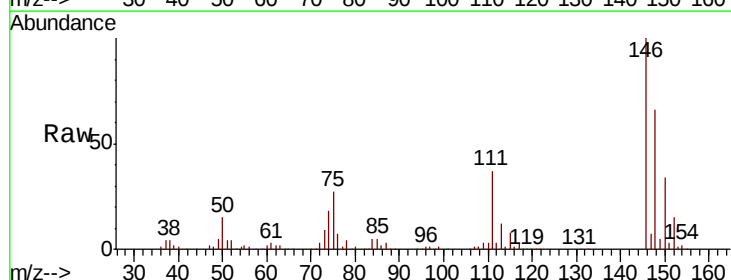
Tgt Ion:146 Resp: 169376

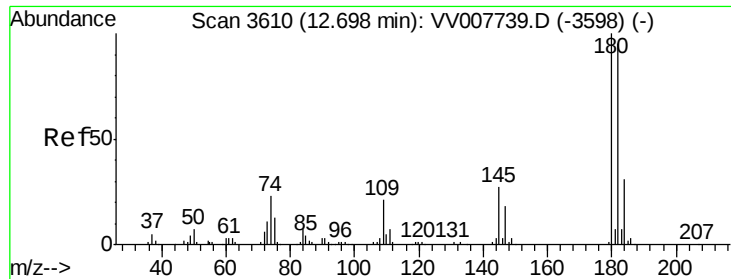
Ion Ratio Lower Upper

146 100

111 37.4 29.8 44.8

148 65.8 50.8 76.2

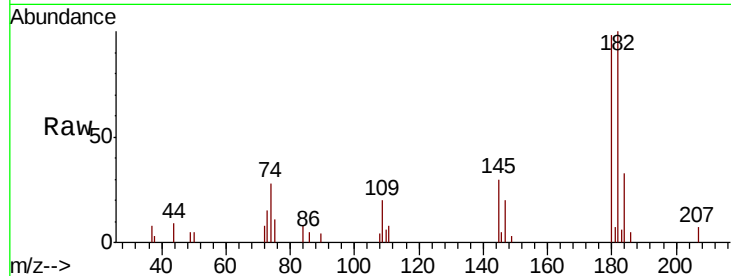




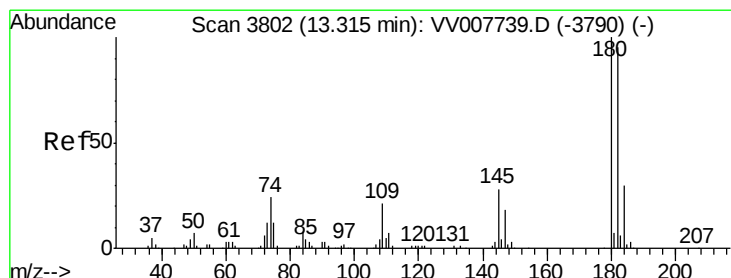
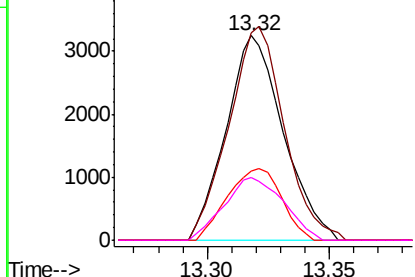
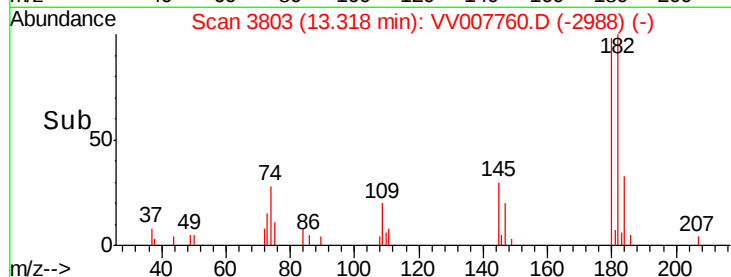
#67
 1,3,5-Trichlorobenzene
 Concen: 2.098 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.62 min
 Lab File: VV007760.D
 Acq: 23 Sep 2018 02:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C08J8

Tgt Ion:180 Resp: 5290
 Ion Ratio Lower Upper
 180 100
 182 101.3 77.6 116.4
 184 33.1 24.7 37.1
 145 32.0 21.8 32.8

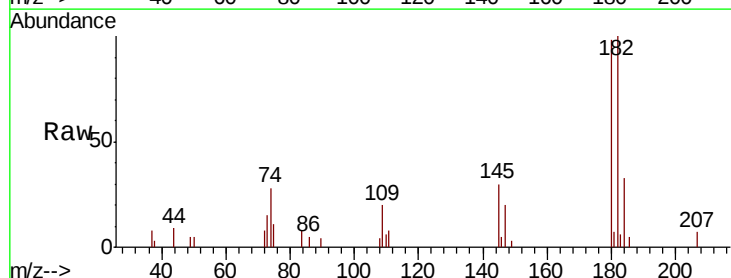


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.337 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007760.D
 Acq: 23 Sep 2018 02:10

Tgt Ion:180 Resp: 5290
 Ion Ratio Lower Upper
 180 100
 182 101.3 77.0 115.6
 145 32.0 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

