

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007777.D
 Acq On : 23 Sep 2018 09:38
 Operator : SY/MD
 Sample : J5013-17
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08S4

Quant Time: Sep 24 05:18:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 05:16:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	176005	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173973	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94293	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35244	36.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.68%
7) Chloroethane-d5	1.59	69	37120	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.14	63	72653	32.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.42%
21) 2-Butanone-d5	3.95	46	42107	66.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.65%
24) Chloroform-d	4.41	84	82668	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.72%
26) 1,2-Dichloroethane-d4	5.09	65	59689	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.38%
32) Benzene-d6	5.11	84	176274	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.16%
36) 1,2-Dichloropropane-d6	6.13	67	52658	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.18%
41) Toluene-d8	7.36	98	181283	43.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.76%
43) trans-1,3-Dichloropropene-	7.67	79	21634	36.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.68%
47) 2-Hexanone-d5	8.14	63	41373	79.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	79110	42.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.84%
64) 1,2-Dichlorobenzene-d4	11.68	152	88684	45.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.44%

Target Compounds

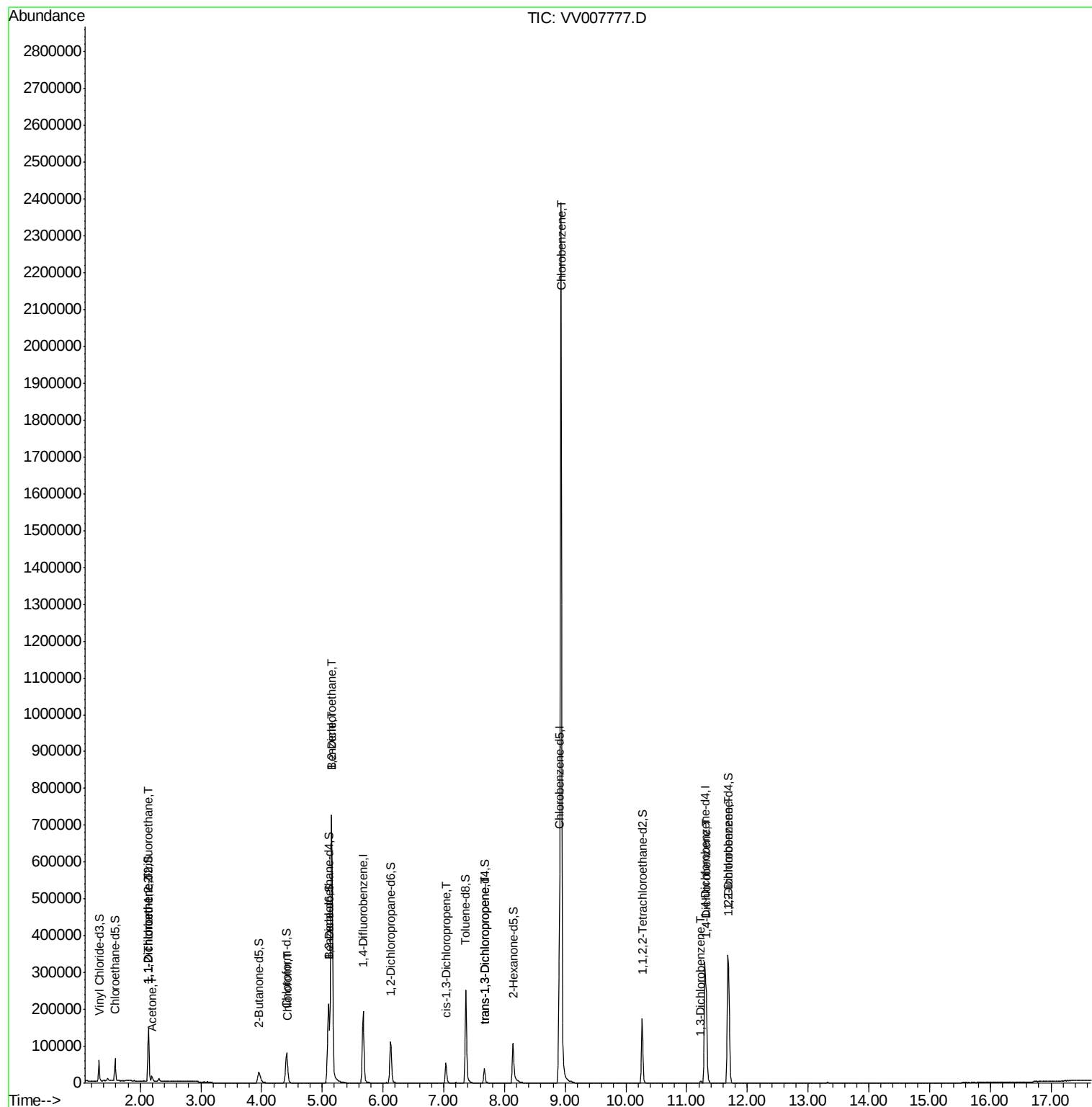
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	742	0.558	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	666	0.571	ug/L #	1
13) Acetone	2.19	43	11466	17.197	ug/L	98
25) Chloroform	4.44	83	4909	2.489	ug/L	92
27) 1,2-Dichloroethane	5.16	62	7312	4.570	ug/L #	74
33) Benzene	5.15	78	739984	177.572	ug/L	100
39) cis-1,3-Dichloropropene	7.04	75	1550	0.919	ug/L #	69
44) trans-1,3-Dichloropropene	7.67	75	1066	0.666	ug/L	83
51) Chlorobenzene	8.93	112	1347078	378.591	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	2676	0.895	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	97020	31.286	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	92174	30.490	ug/L	99

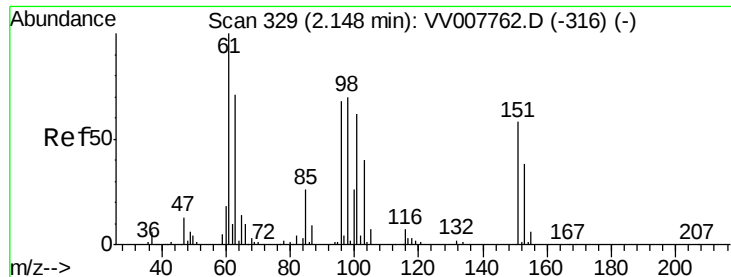
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.558 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

Instrument :

MSVOA_V

ClientSampleId :

C08S4

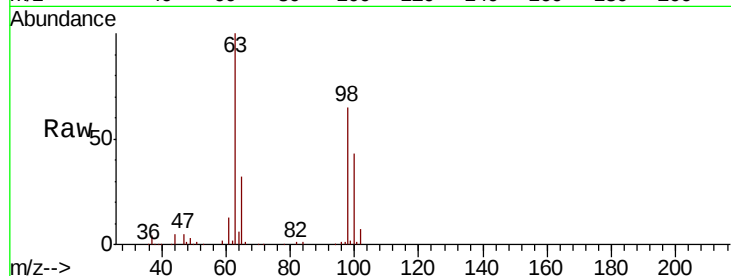
Tgt Ion: 101 Resp: 742

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

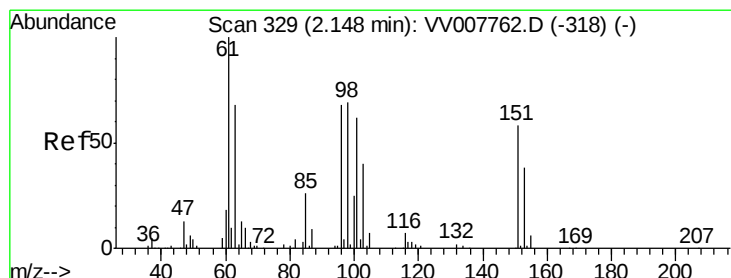
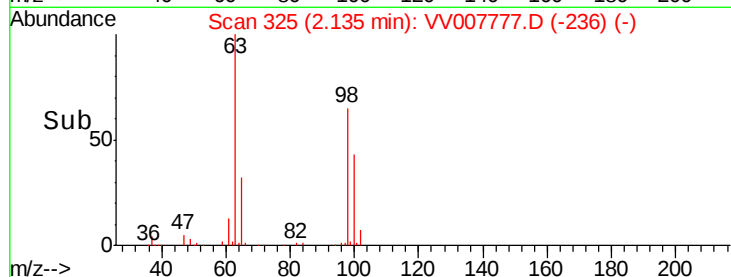
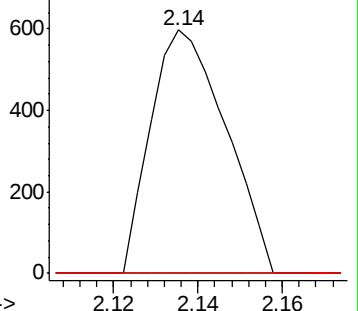
151 0.0 72.2 108.2#



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



#12

1,1-Dichloroethene

Concen: 0.571 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

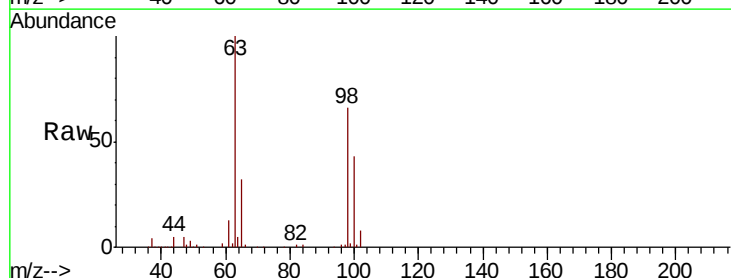
Tgt Ion: 96 Resp: 666

Ion Ratio Lower Upper

96 100

61 1218.2 107.3 199.3#

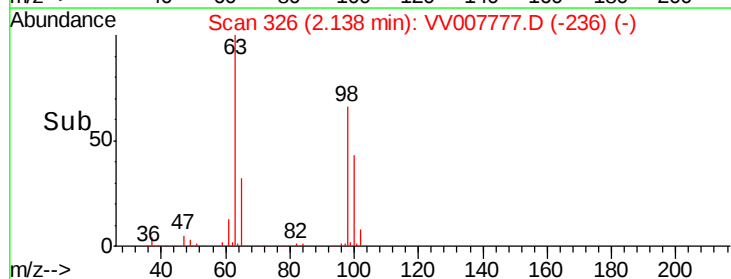
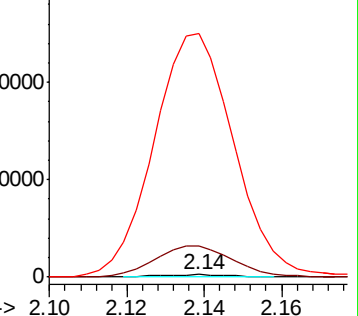
63 9693.0 78.8 146.4#

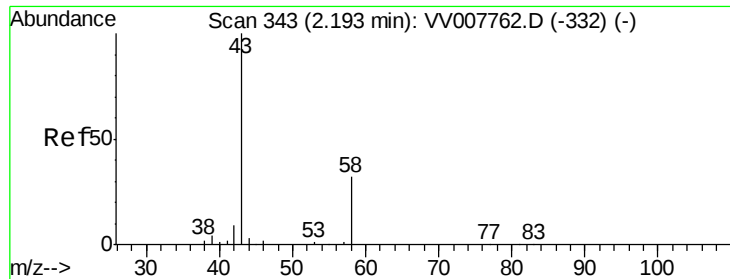


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 17.197 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

Instrument :

MSVOA_V

ClientSampleId :

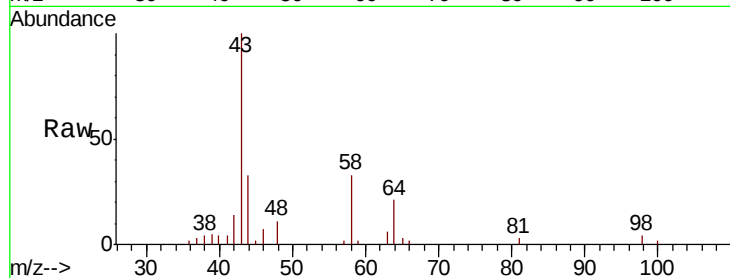
C08S4

Tgt Ion: 43 Resp: 11466

Ion Ratio Lower Upper

43 100

58 31.2 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007777.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV007777.D (-250) (-)

2.19

8000

6000

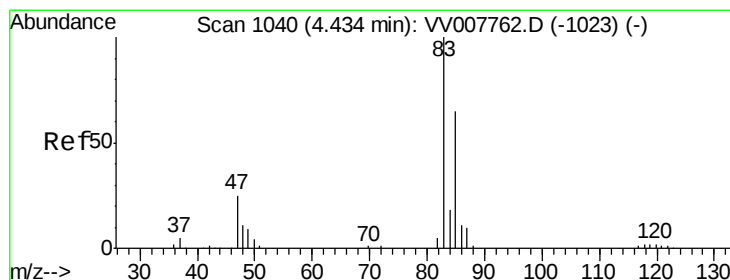
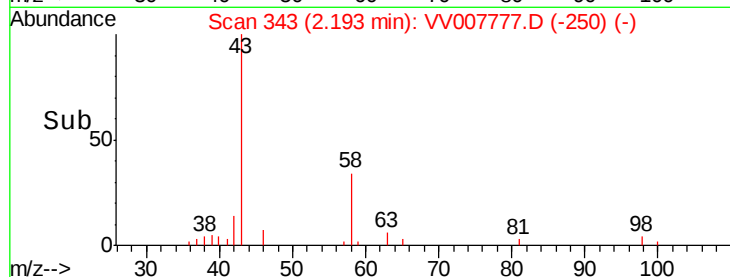
4000

2000

0

2.15 2.20 2.25

Time-->



#25

Chloroform

Concen: 2.489 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VV007777.D

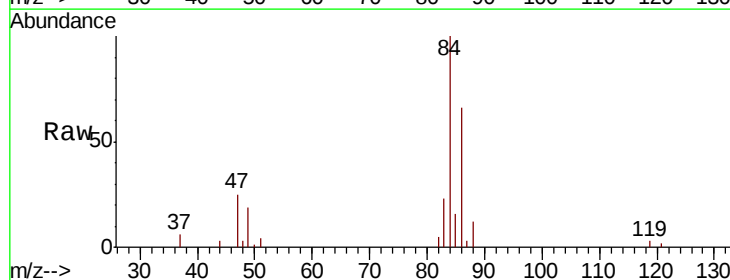
Acq: 23 Sep 2018 09:38

Tgt Ion: 83 Resp: 4909

Ion Ratio Lower Upper

83 100

85 69.0 44.0 81.8



Abundance Ion 83.00 (82.70 to 83.70): VV007777.D (-947) (-)

Ion 85.00 (84.70 to 85.70): VV007777.D (-947) (-)

4.44

2000

1500

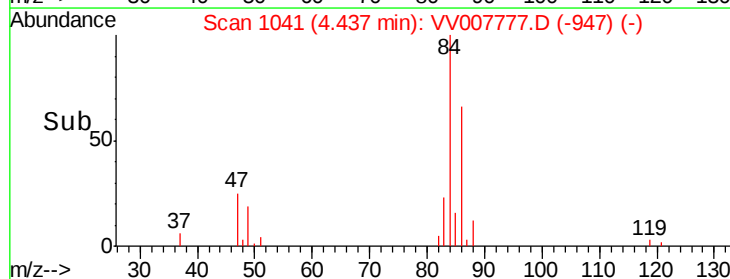
1000

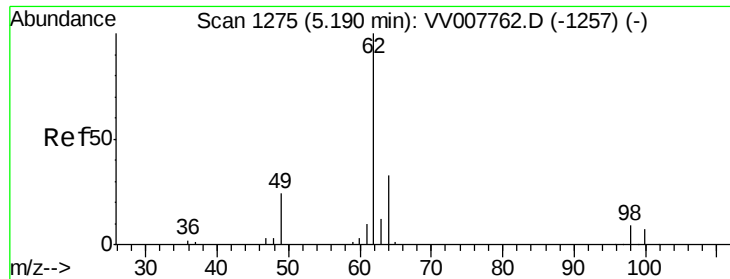
500

0

4.35 4.40 4.45 4.50

Time-->

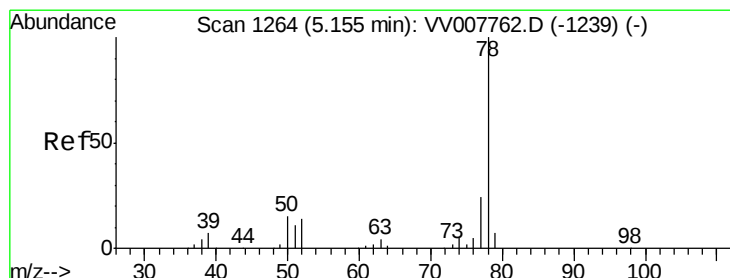
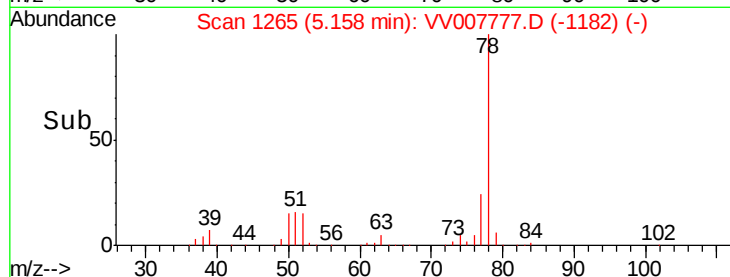
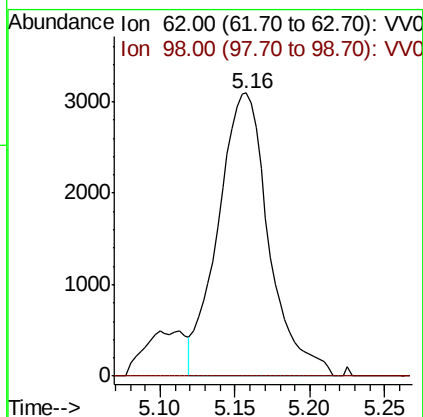
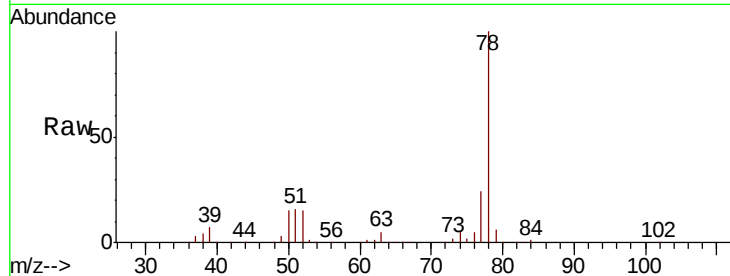




#27
 1,2-Dichloroethane
 Concen: 4.570 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: VV007777.D
 Acq: 23 Sep 2018 09:38

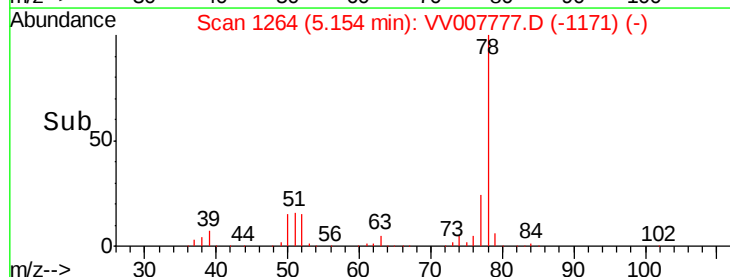
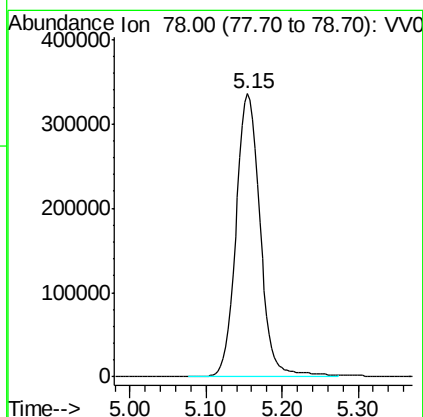
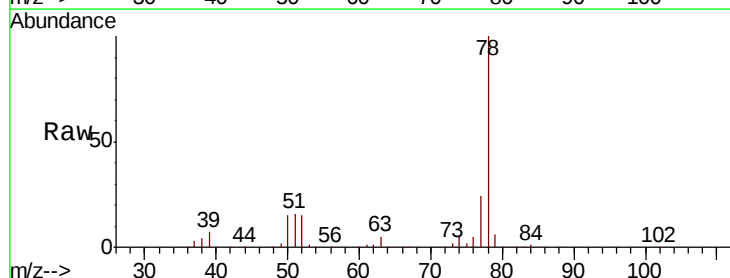
Instrument :
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 C08S4

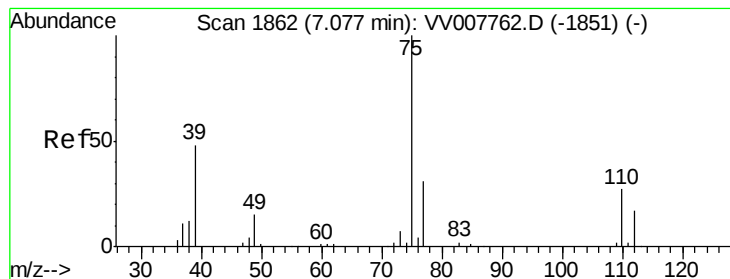
Tgt Ion: 62 Resp: 7312
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#33
 Benzene
 Concen: 177.572 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VV007777.D
 Acq: 23 Sep 2018 09:38

Tgt Ion: 78 Resp: 739984





#39

cis-1,3-Dichloropropene

Concen: 0.919 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.04 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

Instrument :

MSVOA_V

ClientSampled :

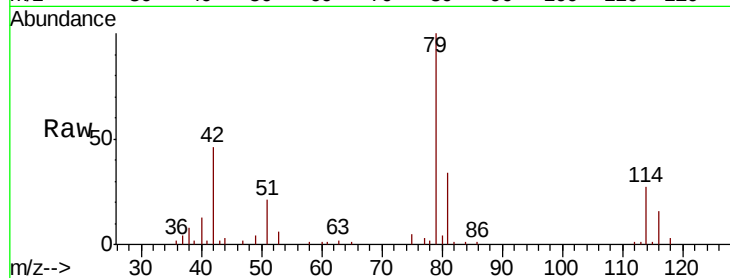
C08S4

Tgt Ion: 75 Resp: 1550

Ion Ratio Lower Upper

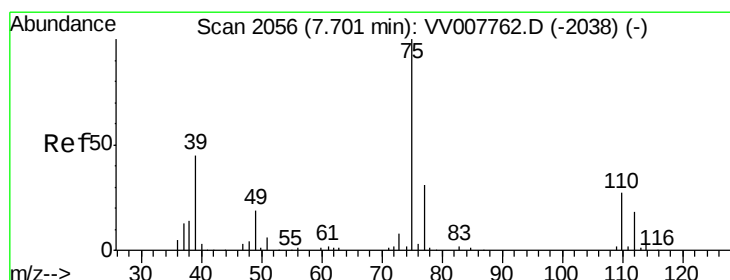
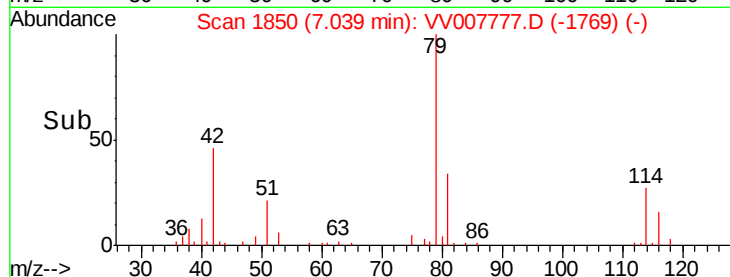
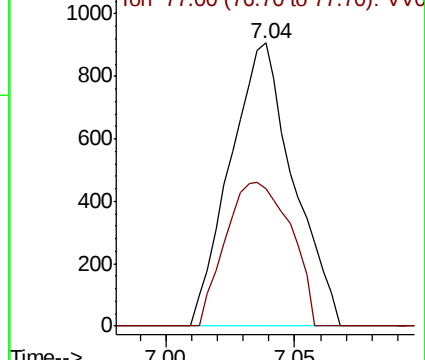
75 100

77 48.5 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.666 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007777.D

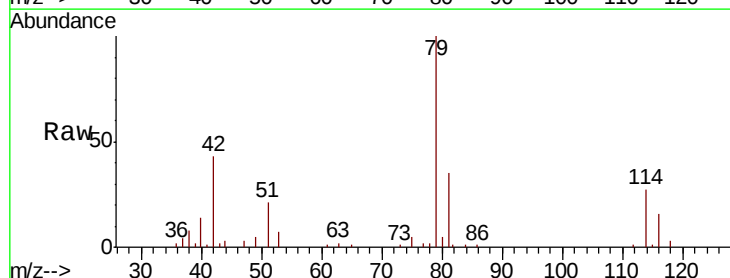
Acq: 23 Sep 2018 09:38

Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

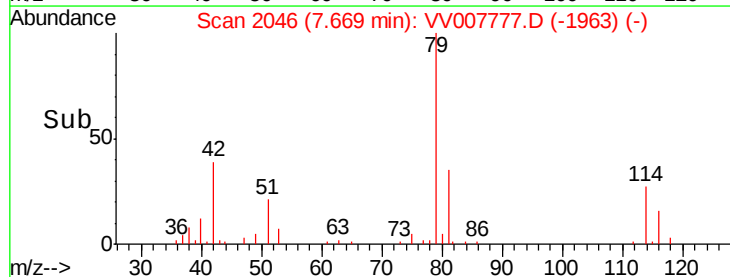
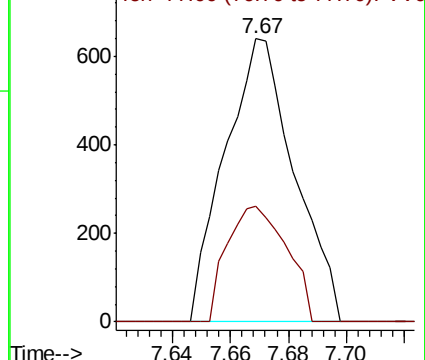
75 100

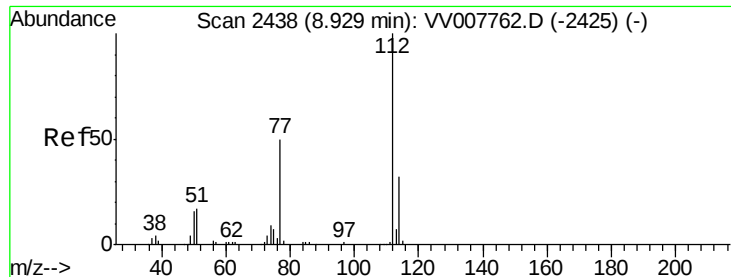
77 40.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#51

Chlorobenzene

Concen: 378.591 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

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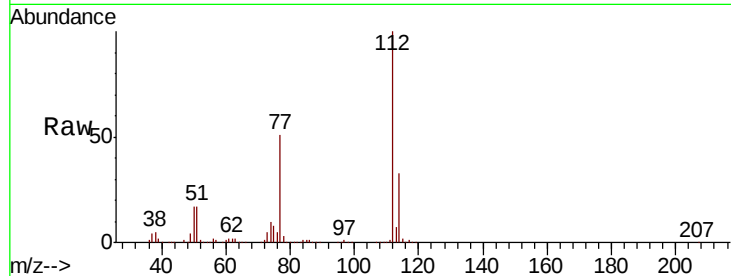
Tgt Ion:112 Resp: 1347078

Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.3

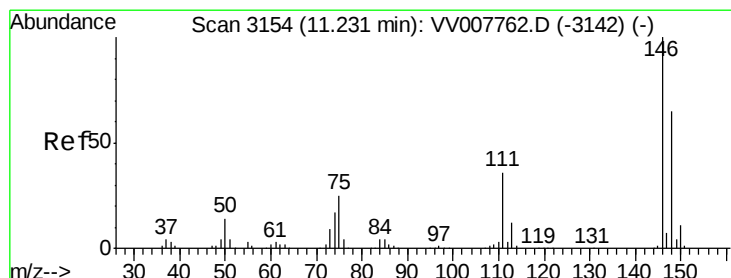
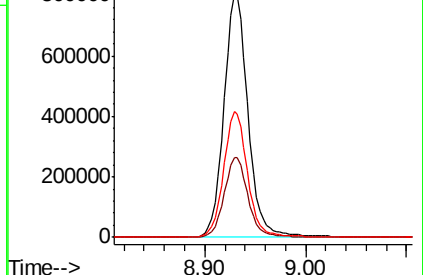
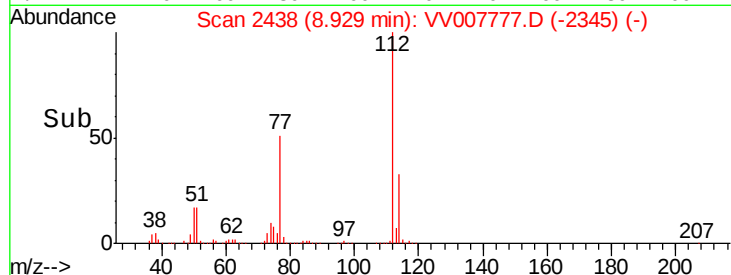
77 51.5 40.6 60.8



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



#62

1,3-Dichlorobenzene

Concen: 0.895 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007777.D

Acq: 23 Sep 2018 09:38

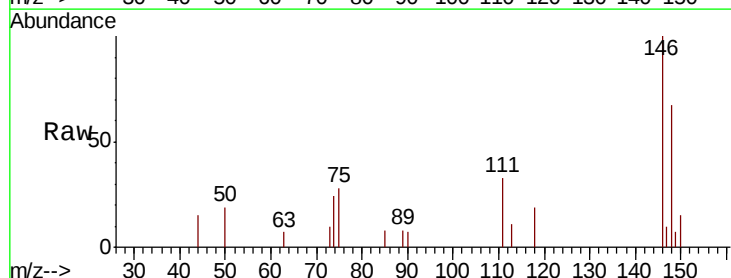
Tgt Ion:146 Resp: 2676

Ion Ratio Lower Upper

146 100

111 33.2 25.1 46.7

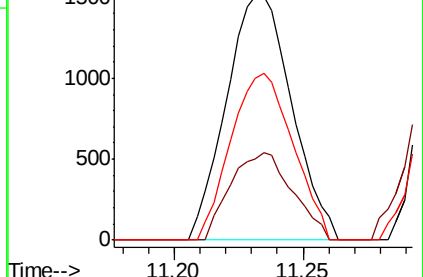
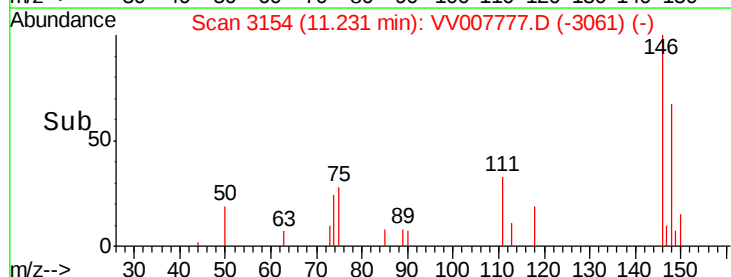
148 66.7 45.1 83.9

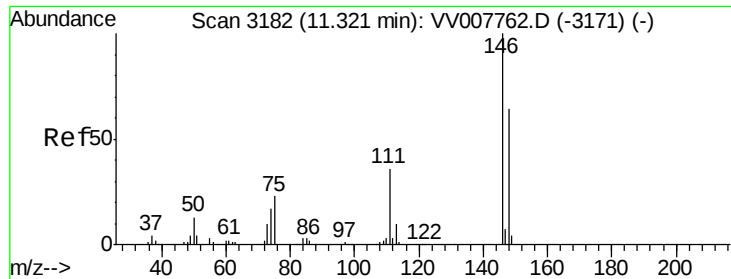


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

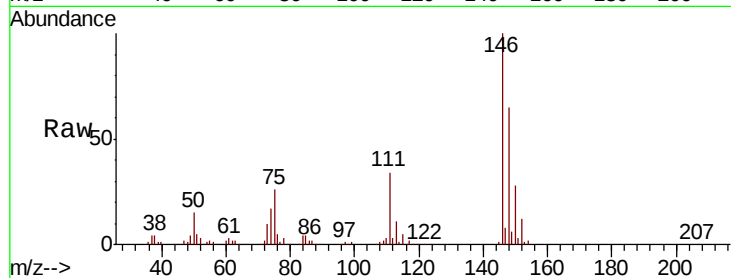




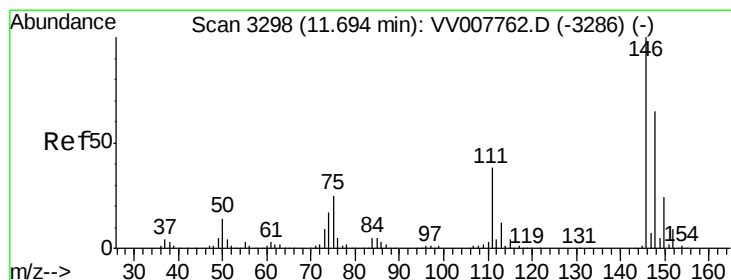
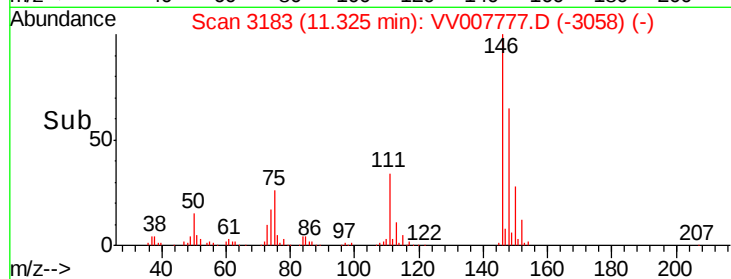
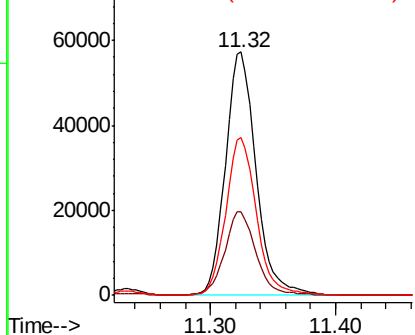
#63
 1,4-Dichlorobenzene
 Concen: 31.286 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV007777.D
 Acq: 23 Sep 2018 09:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C08S4

Tgt Ion:146 Resp: 97020
 Ion Ratio Lower Upper
 146 100
 111 34.2 24.4 45.4
 148 65.0 45.1 83.7

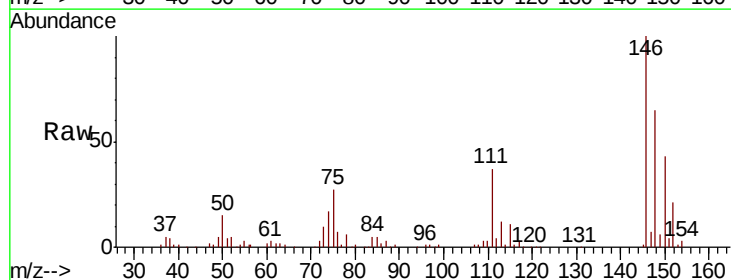


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 30.490 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007777.D
 Acq: 23 Sep 2018 09:38

Tgt Ion:146 Resp: 92174
 Ion Ratio Lower Upper
 146 100
 111 37.3 29.8 44.8
 148 64.8 50.8 76.2



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

