

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007752.D
 Acq On : 22 Sep 2018 22:52
 Operator : SY/MD
 Sample : J5012-05 10X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08L3

Quant Time: Sep 24 02:36:44 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	180308	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175590	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99923	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41335	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.36%
7) Chloroethane-d5	1.59	69	41354	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.88%
11) 1,1-Dichloroethene-d2	2.14	63	80342	34.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.54%
21) 2-Butanone-d5	3.95	46	60565	93.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	4.41	84	92619	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.28%
26) 1,2-Dichloroethane-d4	5.09	65	63966	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
32) Benzene-d6	5.11	84	188087	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.13	67	56753	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.24%
41) Toluene-d8	7.36	98	194821	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.67	79	22712	37.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.60%
47) 2-Hexanone-d5	8.14	63	48561	92.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.52%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	84654	45.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.30	152	93647	45.56	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	789	0.579	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	896	0.749	ug/L #	1
13) Acetone	2.19	43	2182	3.195	ug/L	87
16) Methylene chloride	2.54	84	486	0.371	ug/L #	85
33) Benzene	5.15	78	21356	5.078	ug/L	100
35) Methylcyclohexane	6.13	83	14526	7.624	ug/L #	21
39) cis-1,3-Dichloropropene	7.03	75	1818	1.068	ug/L #	74
44) trans-1,3-Dichloropropene	7.67	75	1205	0.746	ug/L	94
51) Chlorobenzene	8.93	112	1474146	410.487	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	23343	15.588	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	96385	30.422	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	380371	115.746	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	1267166	395.550	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	1374	3.546	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.31	180	375480	141.110	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	375480	157.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	77073	31.929	ug/L	99

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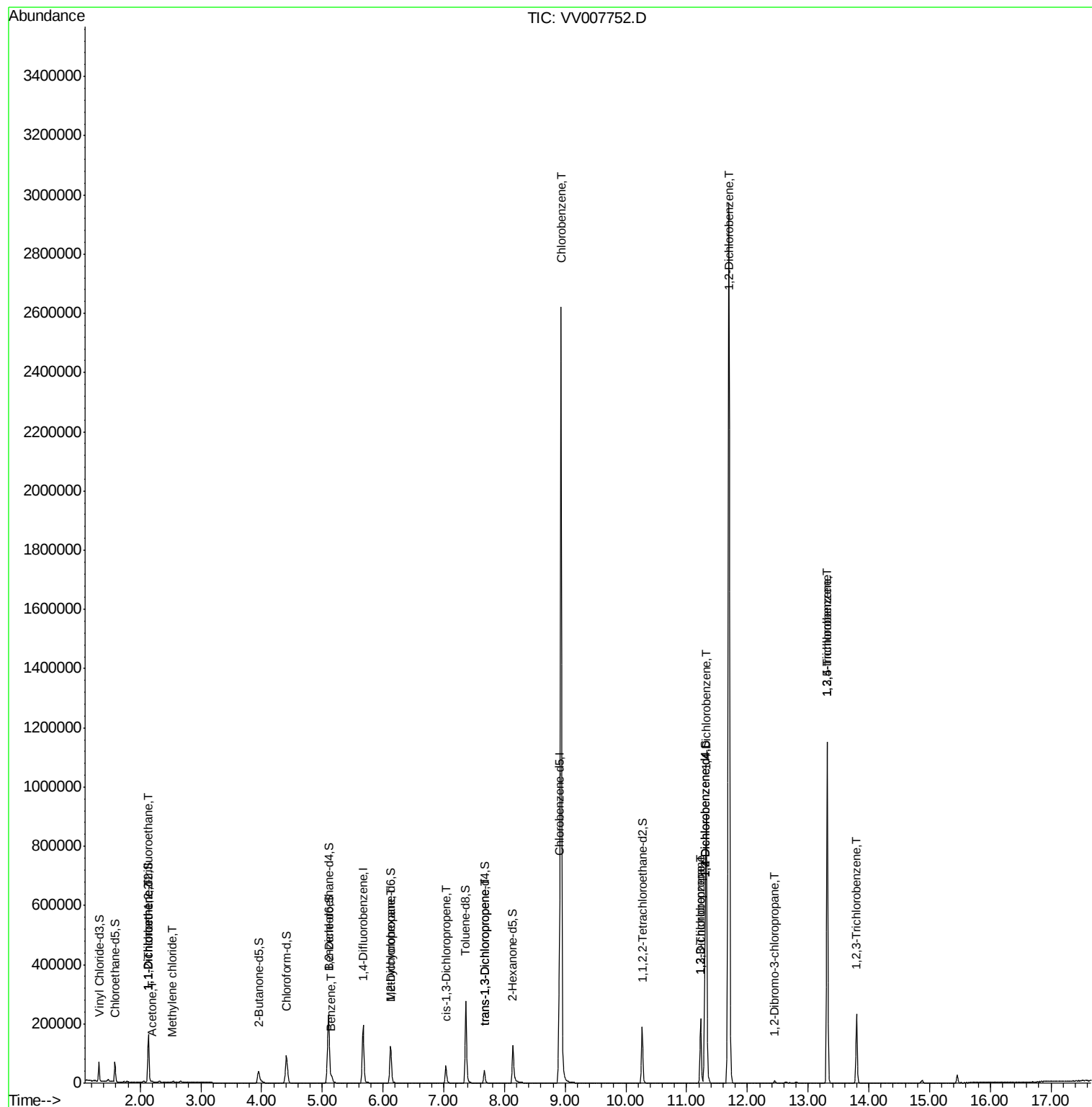
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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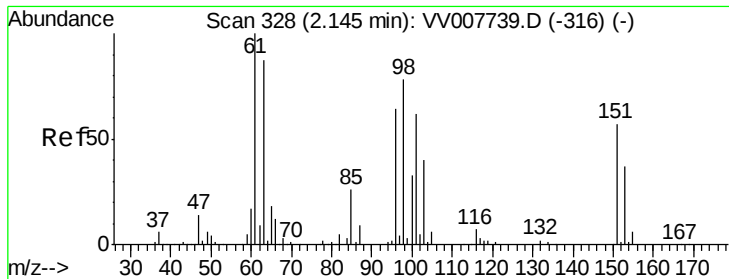
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
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#10

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

Concen: 0.579 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

Instrument :

MSVOA_V

ClientSampleId :

C08L3

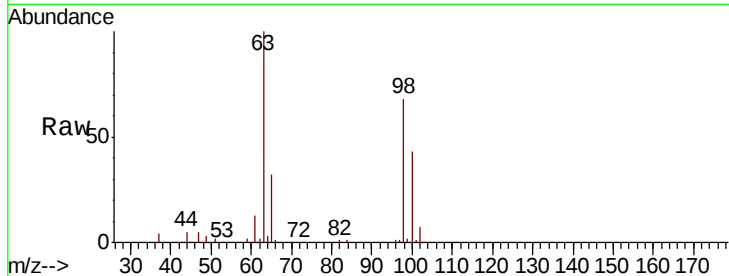
Tgt Ion:101 Resp: 789

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

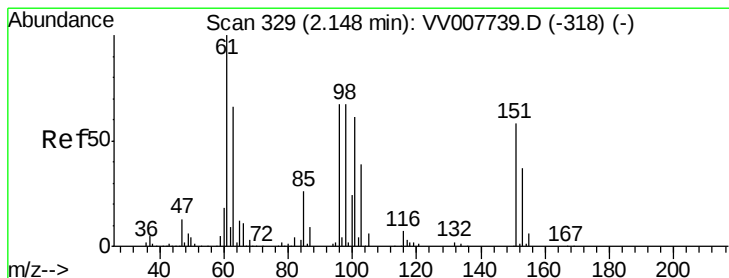
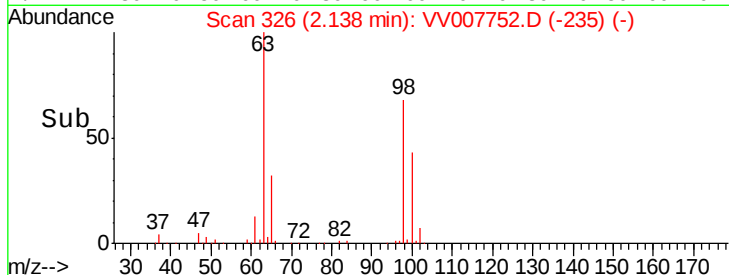
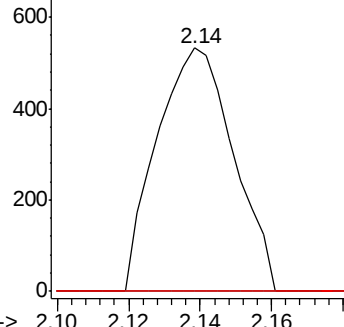
151 0.0 72.2 108.2#



Abundance Ion 101.00 (100.70 to 101.70): VV007739.D (-316) (-)

Ion 85.00 (84.70 to 85.70): VV007739.D (-316) (-)

Ion 151.00 (150.70 to 151.70): VV007739.D (-316) (-)



#12

1,1-Dichloroethene

Concen: 0.749 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

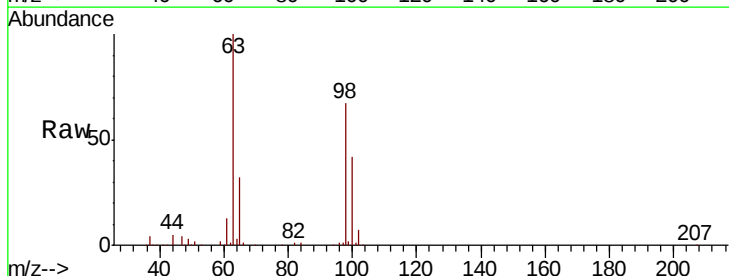
Tgt Ion: 96 Resp: 896

Ion Ratio Lower Upper

96 100

61 1178.1 107.3 199.3#

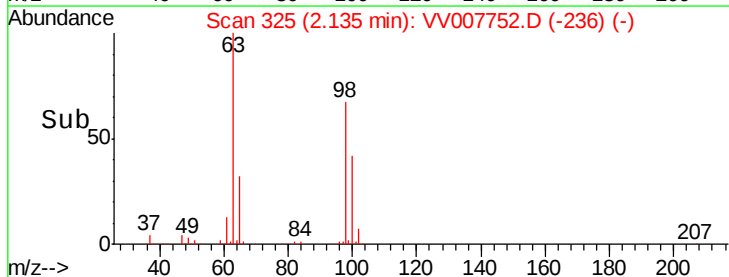
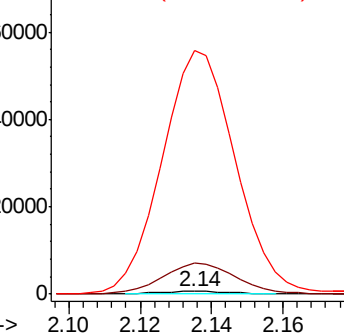
63 9400.3 78.8 146.4#

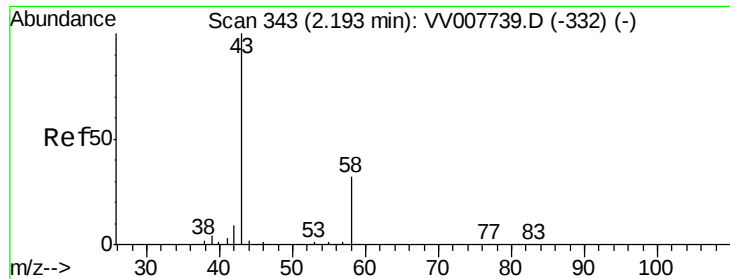


Abundance Ion 96.00 (95.70 to 96.70): VV007739.D (-318) (-)

Ion 61.00 (60.70 to 61.70): VV007739.D (-318) (-)

Ion 63.00 (62.70 to 63.70): VV007739.D (-318) (-)





#13

Acetone

Concen: 3.195 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

Instrument :

MSVOA_V

ClientSampled :

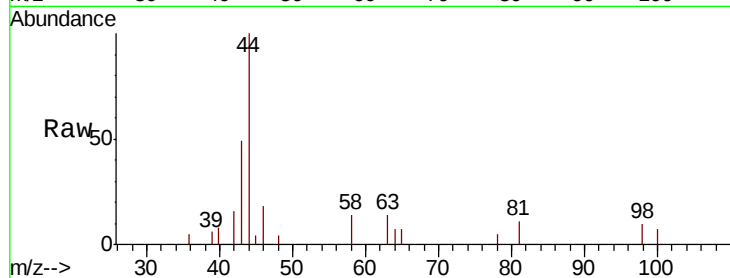
C08L3

Tgt Ion: 43 Resp: 2182

Ion Ratio Lower Upper

43 100

58 25.3 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007739.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007739.D (-332) (-)

2.19

1500

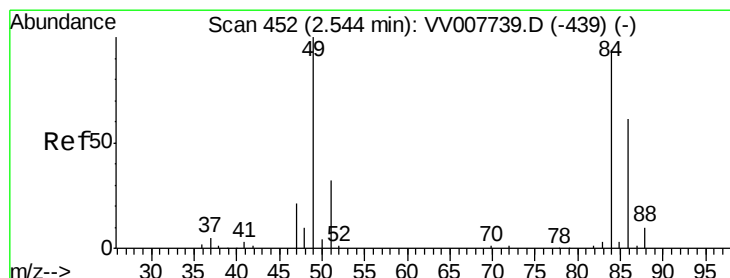
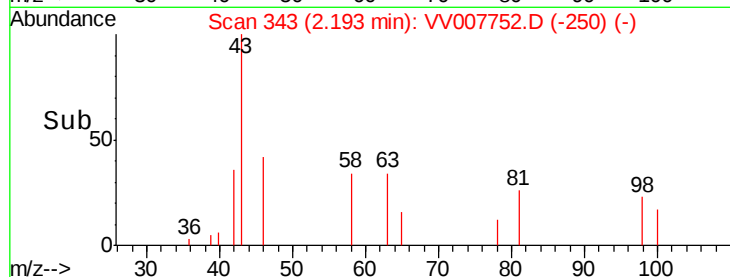
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 0.371 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

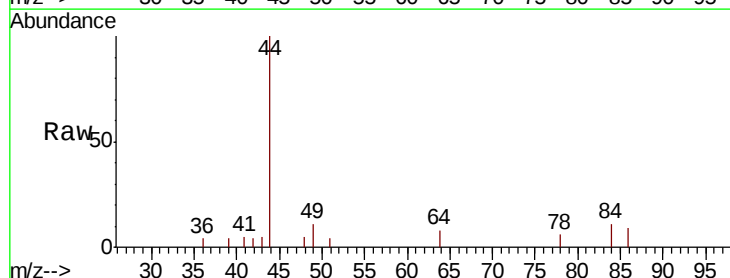
Tgt Ion: 84 Resp: 486

Ion Ratio Lower Upper

84 100

86 85.0 45.4 84.4#

49 99.1 75.3 139.9



Abundance Ion 84.00 (83.70 to 84.70): VV007739.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV007739.D (-439) (-)

Ion 49.00 (48.70 to 49.70): VV007739.D (-439) (-)

2.54

400

300

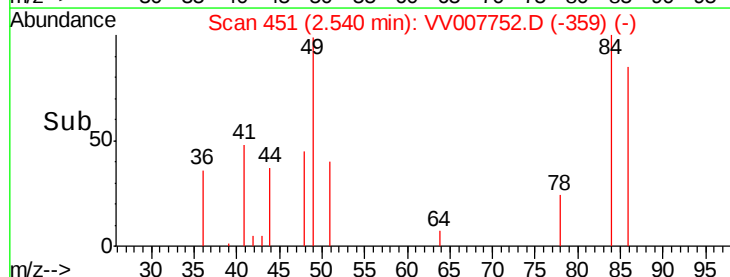
200

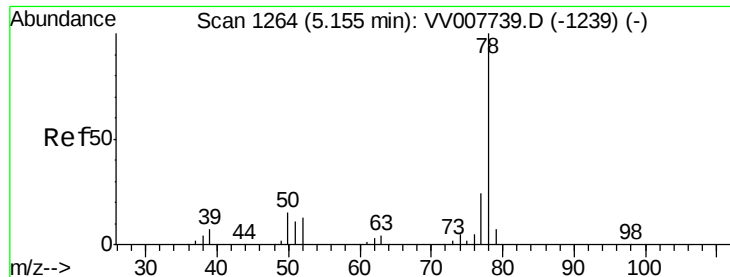
100

0

2.52 2.54 2.56

Time-->





#33

Benzene

Concen: 5.078 ug/L

RT: 5.15 min Scan# 1264

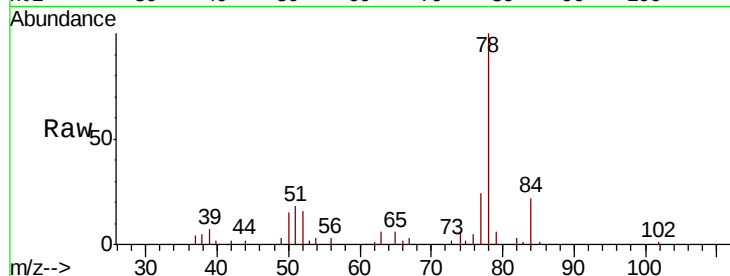
Delta R.T. -0.00 min

Lab File: VV007752.D

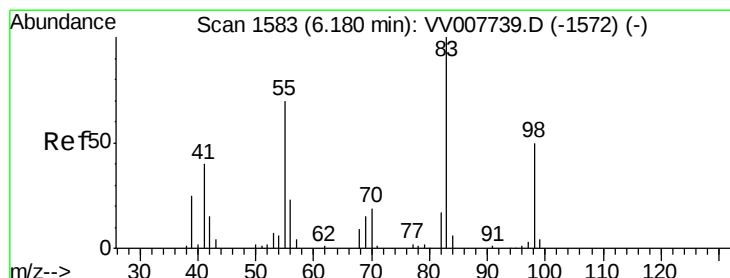
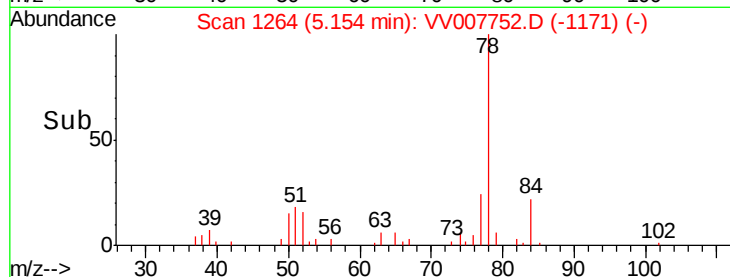
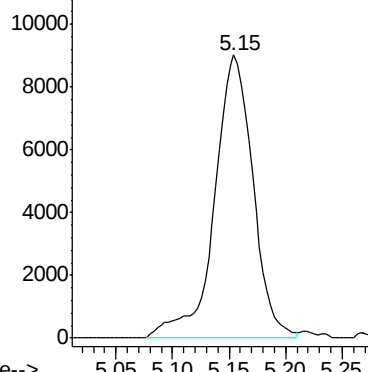
Acq: 22 Sep 2018 22:52

Instrument :
MSVOA_V
ClientSampled :
C08L3

Tgt Ion: 78 Resp: 21356



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 7.624 ug/L

RT: 6.13 min Scan# 1566

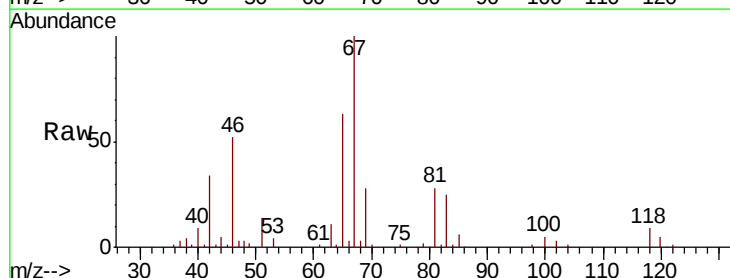
Delta R.T. -0.05 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

Tgt Ion: 83 Resp: 14526

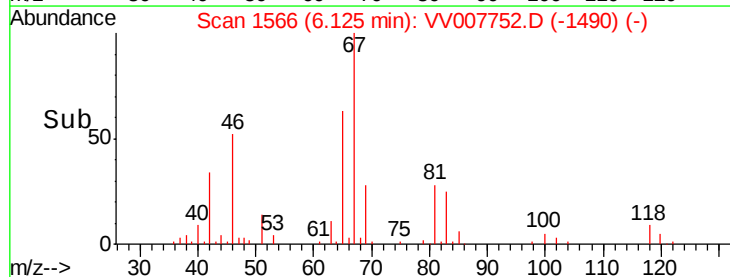
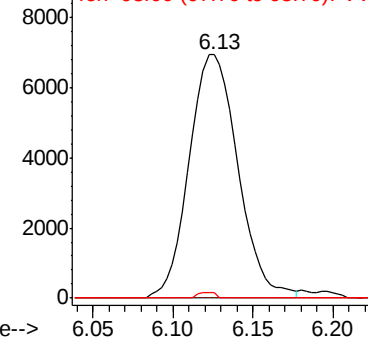
Ion	Ratio	Lower	Upper
83	100		
55	0.0	54.6	82.0#
98	0.8	39.0	58.6#

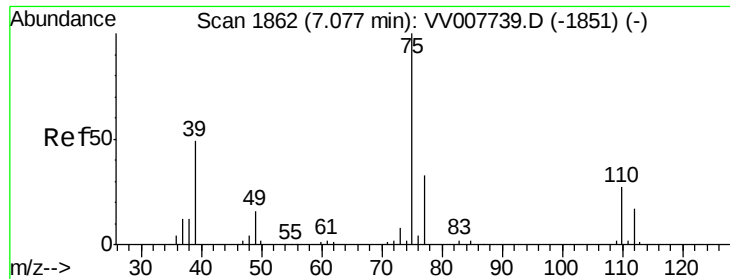


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

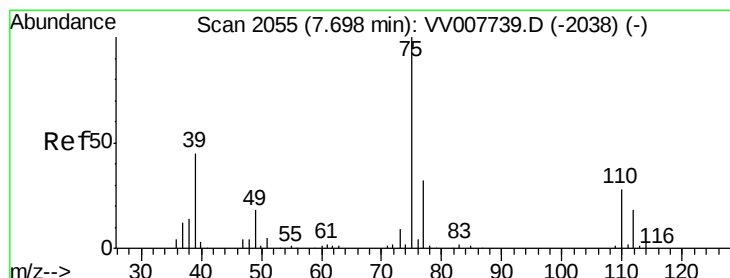
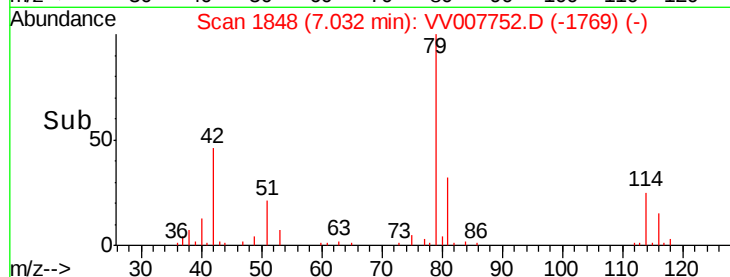
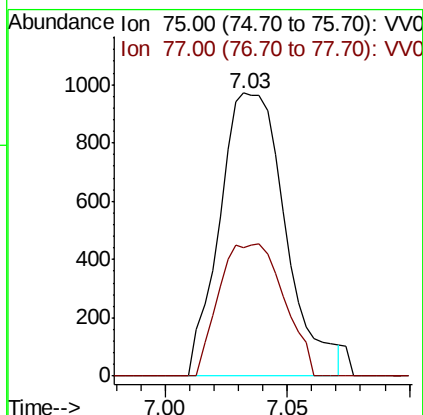
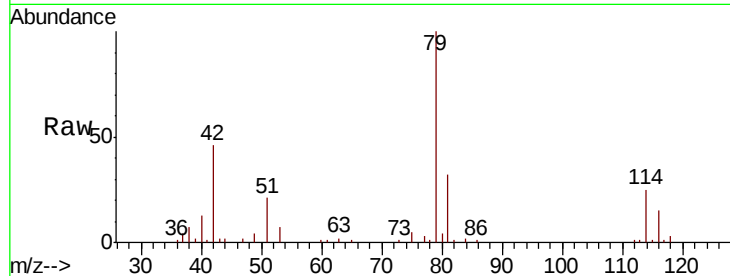




#39
 cis-1,3-Dichloropropene
 Concen: 1.068 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.05 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

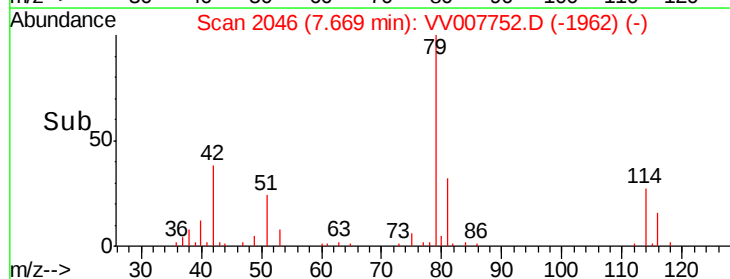
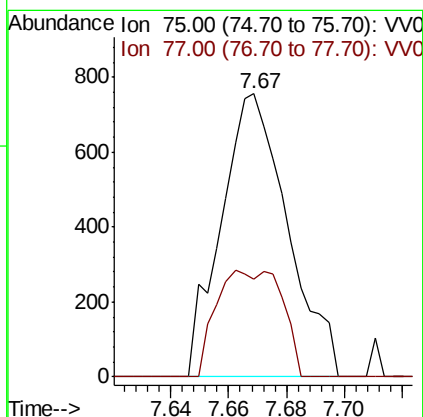
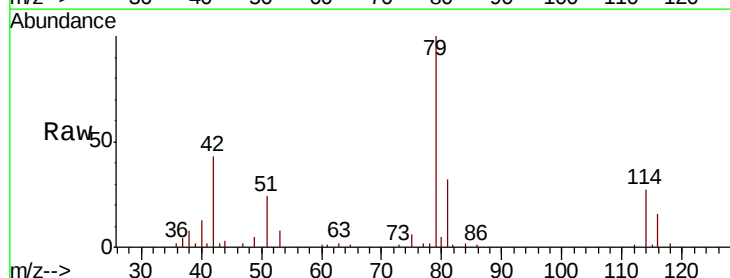
Instrument :
 MSVOA_V
 ClientSampled :
 C08L3

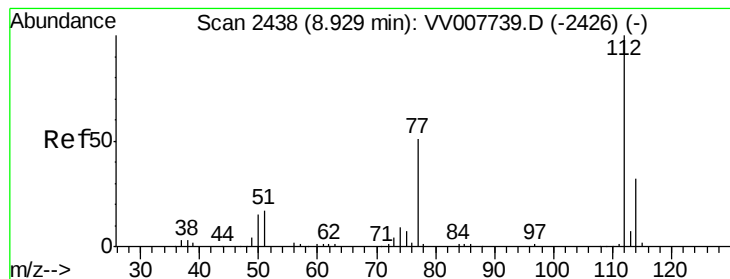
Tgt Ion: 75 Resp: 1818
 Ion Ratio Lower Upper
 75 100
 77 45.6 22.0 40.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.746 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.03 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

Tgt Ion: 75 Resp: 1205
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.0 40.8





#51

Chlorobenzene

Concen: 410.487 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

Instrument :

MSVOA_V

ClientSampleId :

C08L3

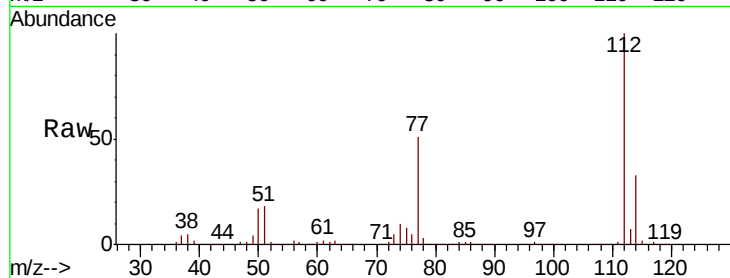
Tgt Ion:112 Resp: 1474146

Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

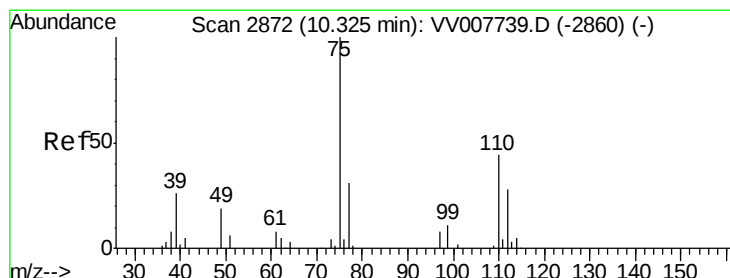
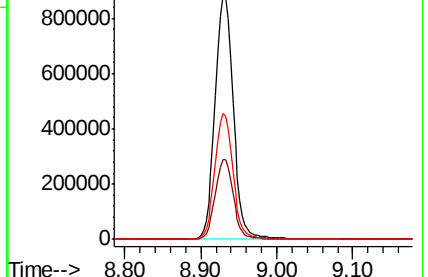
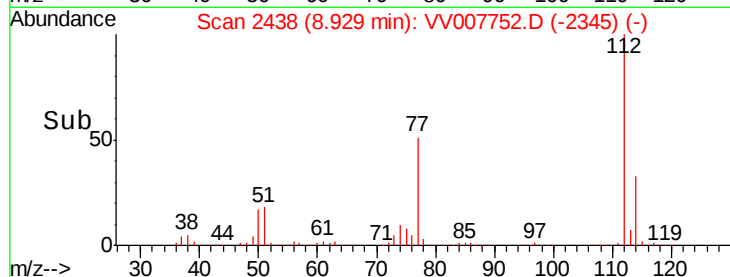
77 51.5 40.6 60.8



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



#59

1,2,3-Trichloropropane

Concen: 15.588 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.91 min

Lab File: VV007752.D

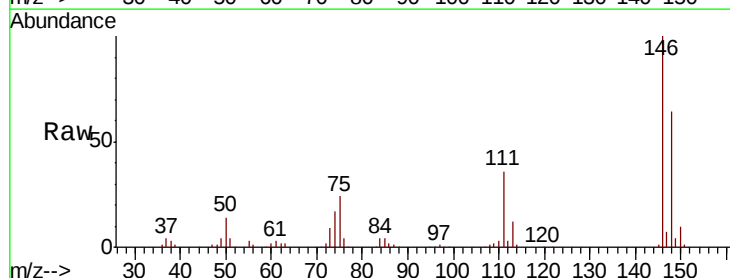
Acq: 22 Sep 2018 22:52

Tgt Ion: 75 Resp: 23343

Ion Ratio Lower Upper

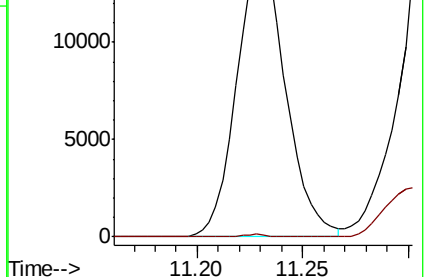
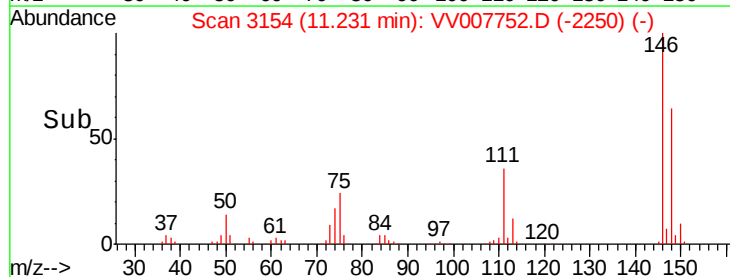
75 100

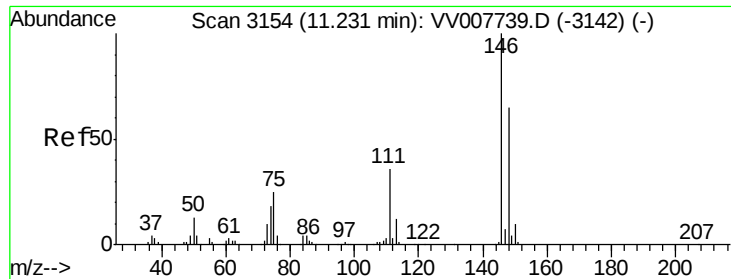
77 0.4 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 30.422 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

Instrument :

MSVOA_V

ClientSampleId :

C08L3

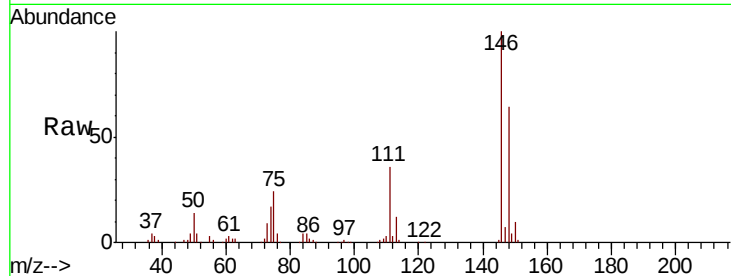
Tgt Ion:146 Resp: 96385

Ion Ratio Lower Upper

146 100

111 36.1 25.1 46.7

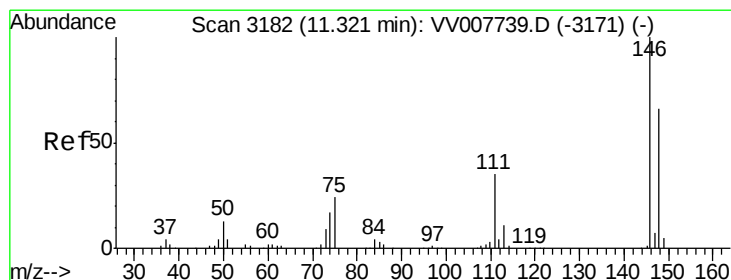
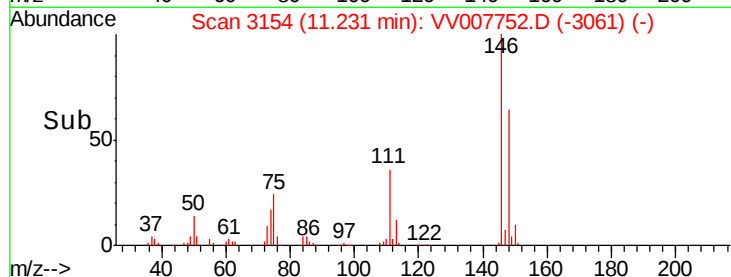
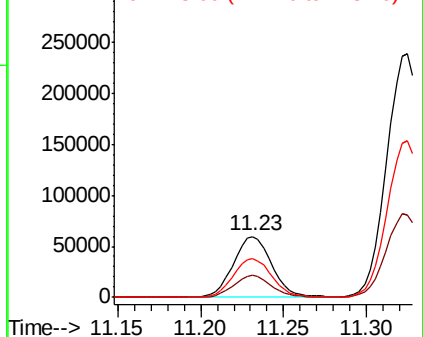
148 64.0 45.1 83.9



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: 115.746 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007752.D

Acq: 22 Sep 2018 22:52

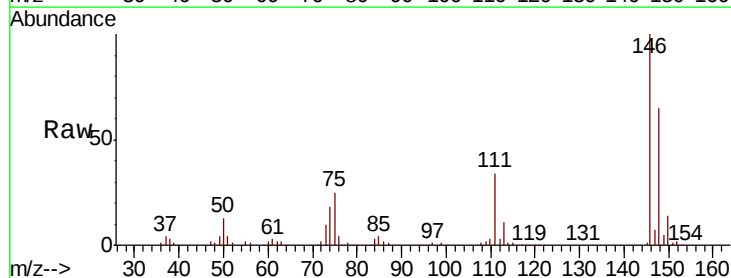
Tgt Ion:146 Resp: 380371

Ion Ratio Lower Upper

146 100

111 34.1 24.4 45.4

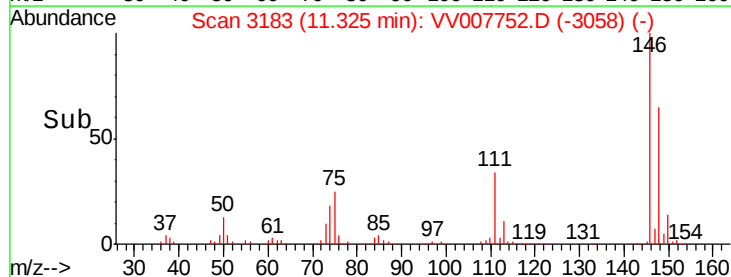
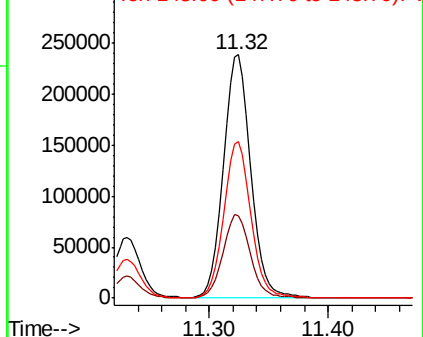
148 64.5 45.1 83.7

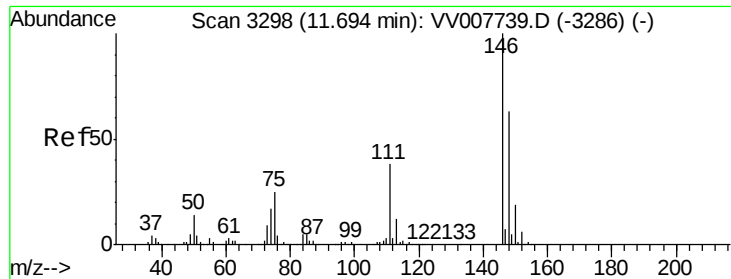


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

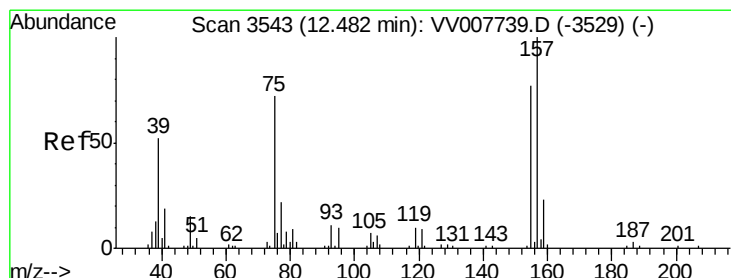
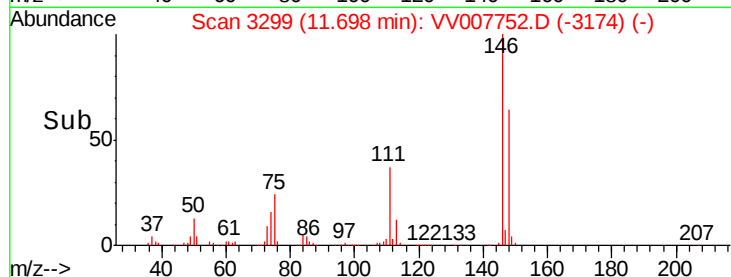
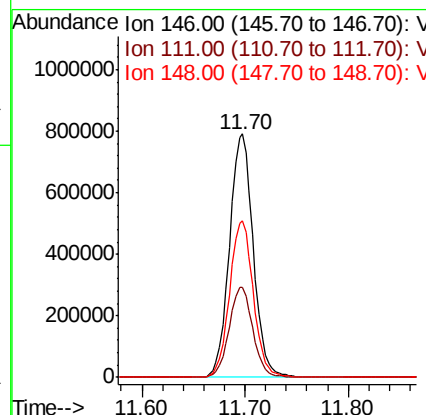
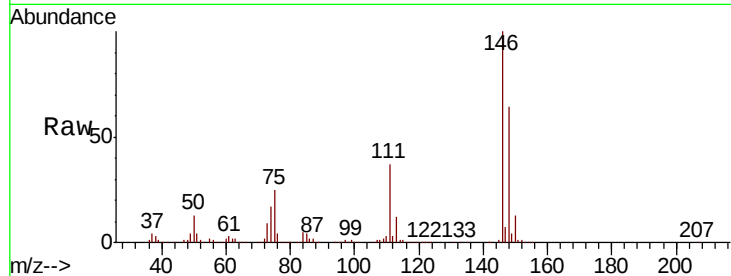




#65
 1,2-Dichlorobenzene
 Concen: 395.550 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

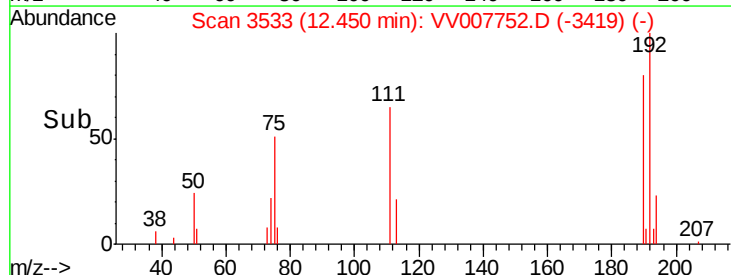
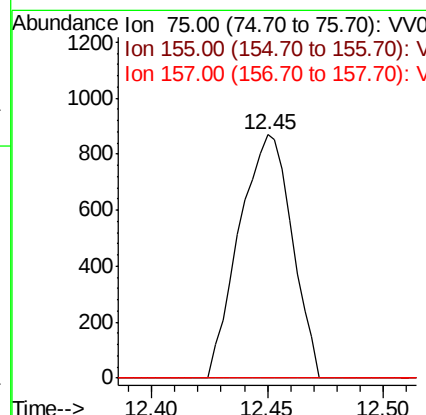
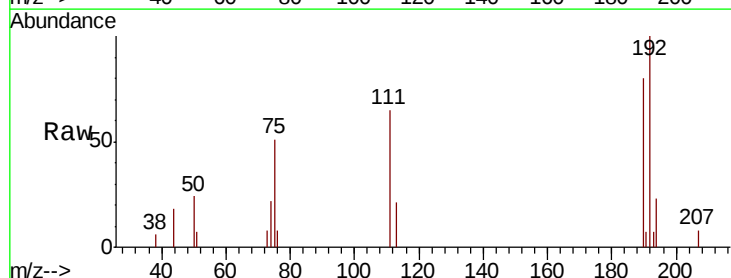
Instrument :
 MSVOA_V
 ClientSampleId :
 C08L3

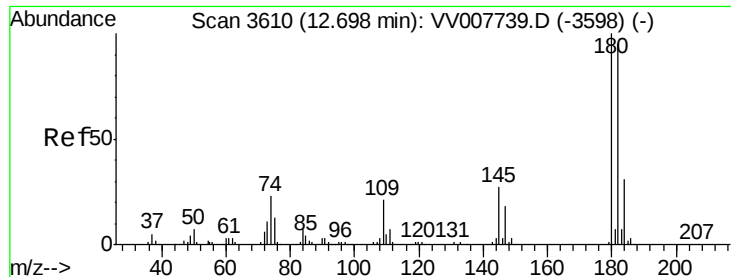
Tgt Ion:146 Resp: 1267166
 Ion Ratio Lower Upper
 146 100
 111 36.8 29.8 44.8
 148 64.4 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.546 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.03 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

Tgt Ion: 75 Resp: 1374
 Ion Ratio Lower Upper
 75 100
 155 0.0 86.0 129.0#
 157 0.0 111.5 167.3#

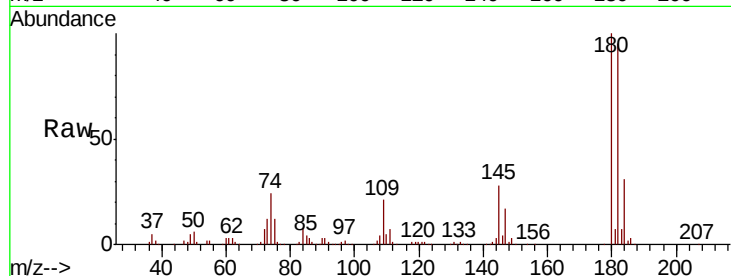




#67
 1,3,5-Trichlorobenzene
 Concen: 141.110 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

Instrument :
 MSVOA_V
 ClientSampleId :
 C08L3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
184	30.7	24.7	37.1
145	27.6	21.8	32.8



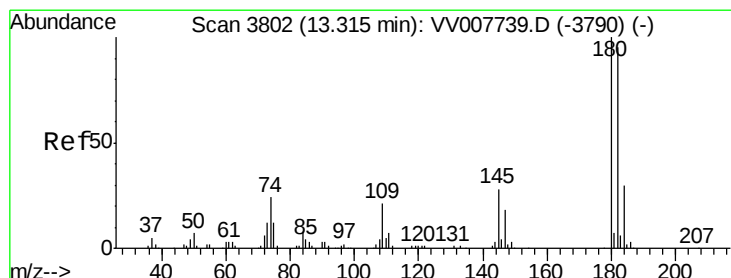
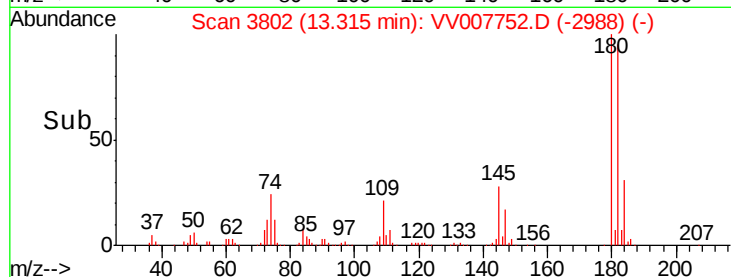
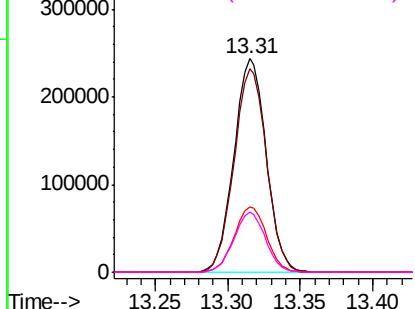
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

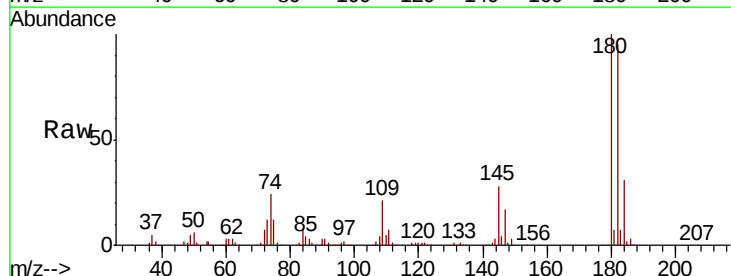
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 157.228 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
145	27.6	22.2	33.2

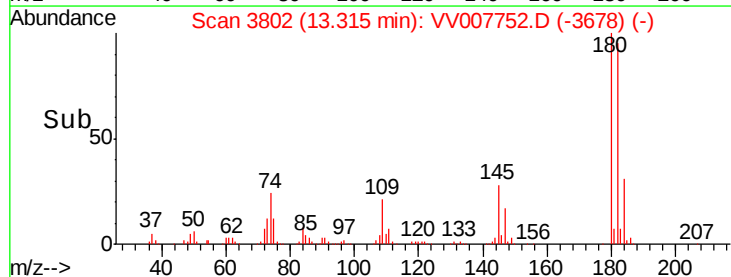
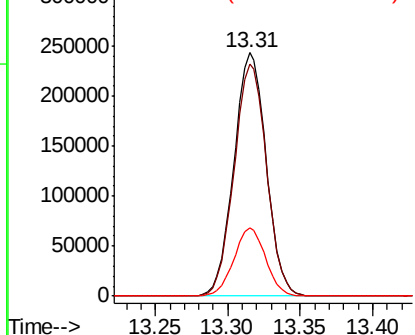


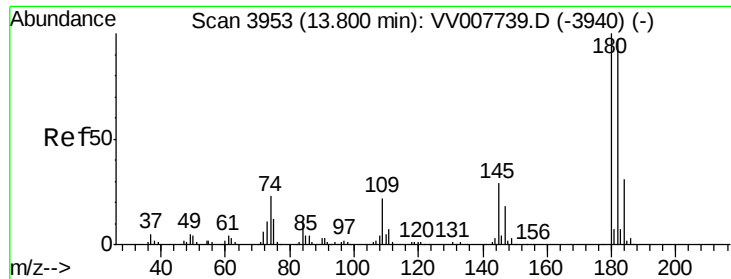
Abundance

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

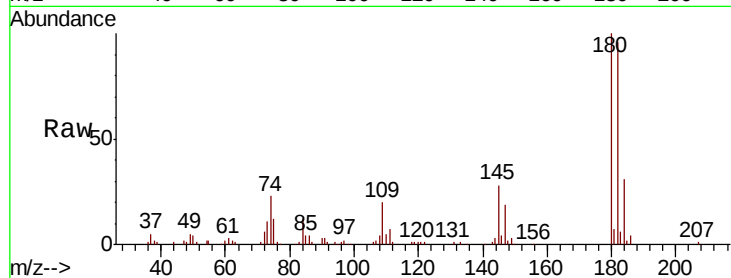




#70
 1,2,3-Trichlorobenzene
 Concen: 31.929 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. -0.00 min
 Lab File: VV007752.D
 Acq: 22 Sep 2018 22:52

Instrument :
 MSVOA_V
 ClientSampleId :
 C08L3

Tgt Ion:180 Resp: 77073
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 145 28.6 23.3 34.9



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

