

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007757.D
 Acq On : 23 Sep 2018 00:56
 Operator : SY/MD
 Sample : J5012-10 250X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08N2

Quant Time: Sep 24 02:37:24 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	180353	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173228	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94545	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39659	40.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.92%
7) Chloroethane-d5	1.59	69	39487	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.66%
11) 1,1-Dichloroethene-d2	2.14	63	75572	32.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.40%
21) 2-Butanone-d5	3.95	46	60577	93.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.57%
24) Chloroform-d	4.41	84	89789	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
26) 1,2-Dichloroethane-d4	5.09	65	60578	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.52%
32) Benzene-d6	5.11	84	178940	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.88%
36) 1,2-Dichloropropane-d6	6.13	67	53135	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.38%
41) Toluene-d8	7.36	98	180703	43.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.86%
43) trans-1,3-Dichloropropene-	7.67	79	21095	35.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.16%
47) 2-Hexanone-d5	8.14	63	46244	89.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.31%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78761	42.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	86105	44.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.54%

Target Compounds

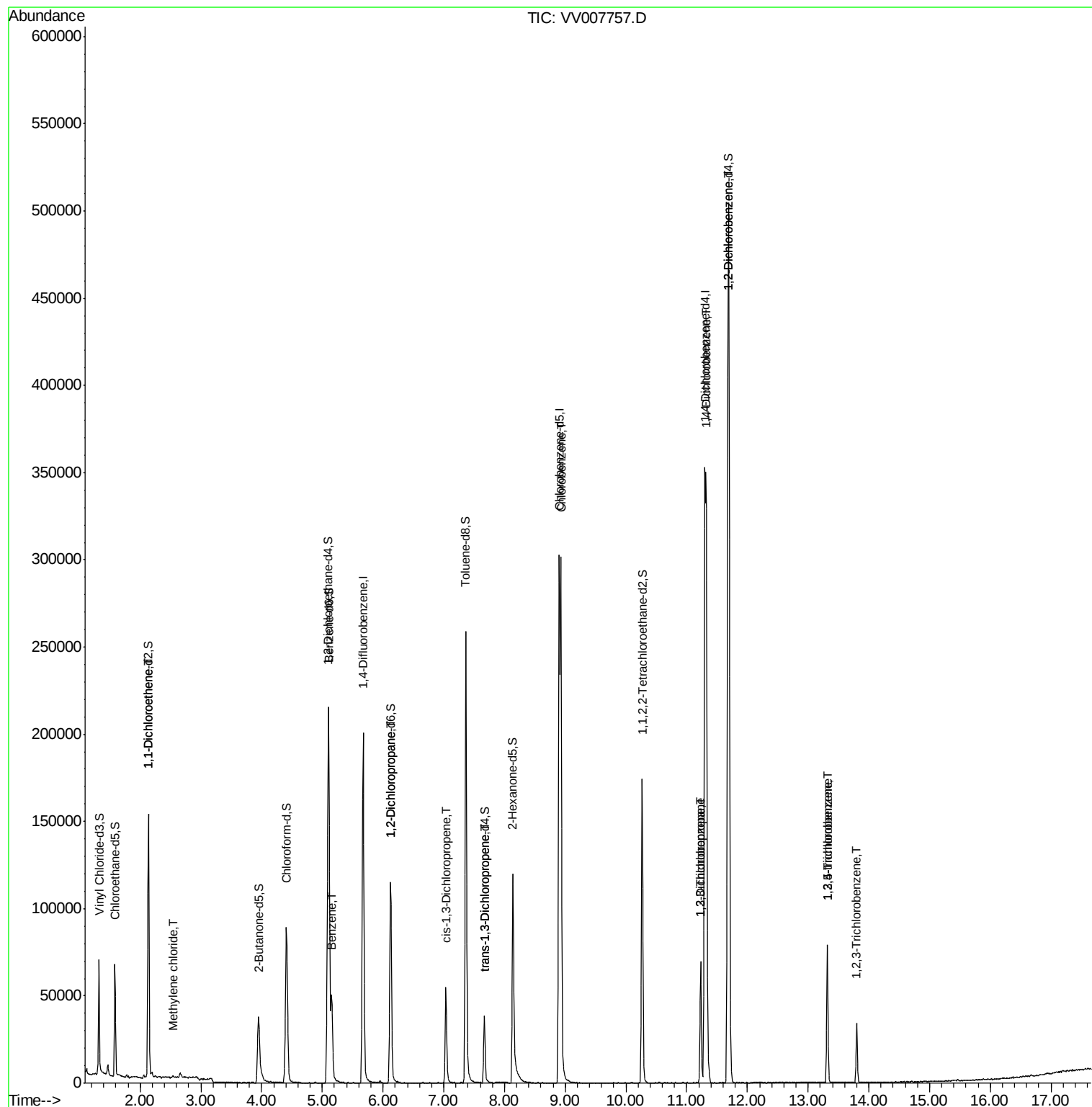
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	678	0.567	ug/L #	1
16) Methylene chloride	2.54	84	430	0.328	ug/L #	78
33) Benzene	5.15	78	47525	11.454	ug/L	100
37) 1,2-Dichloropropane	6.13	63	6251	5.983	ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1465	0.872	ug/L #	62
44) trans-1,3-Dichloropropene	7.67	75	1099	0.689	ug/L	87
51) Chlorobenzene	8.93	112	163013	46.011	ug/L	100
59) 1,2,3-Trichloropropane	11.23	75	8059	5.455	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	32282	10.769	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	138500	44.543	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	183231	60.450	ug/L	99
67) 1,3,5-Trichlorobenzene	13.32	180	26749	10.624	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	26749	11.838	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	11261	4.931	ug/L	100

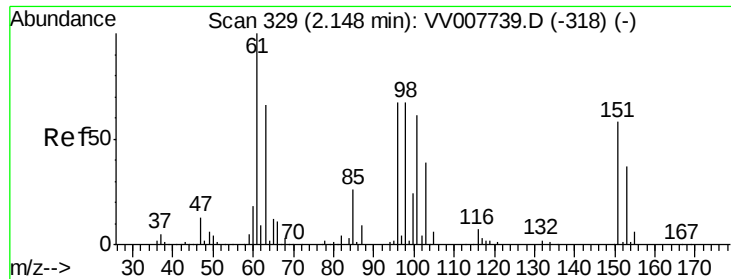
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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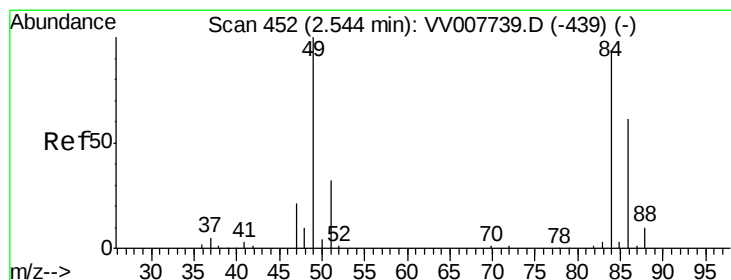
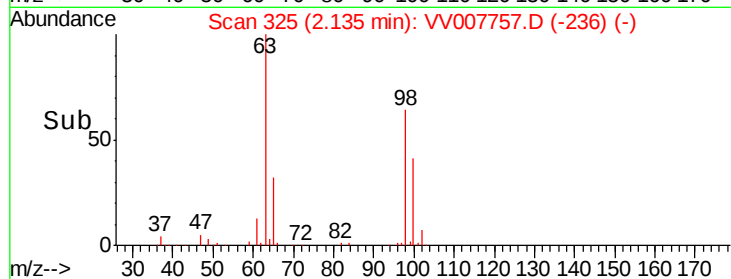
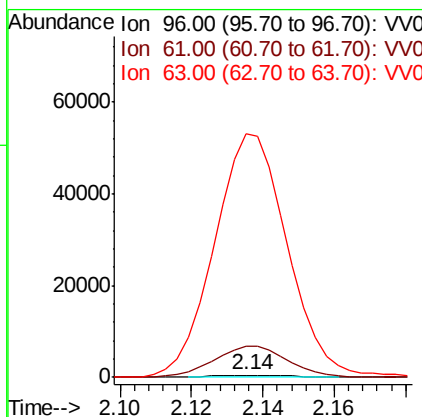
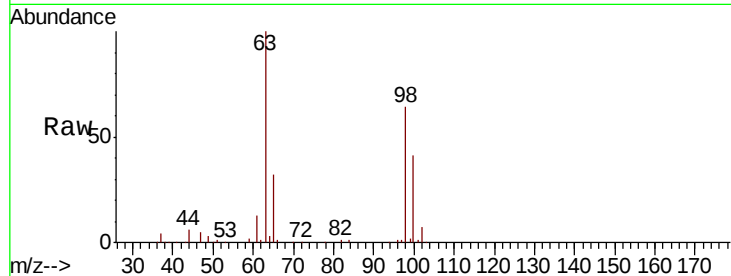




#12
 1,1-Dichloroethene
 Concen: 0.567 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

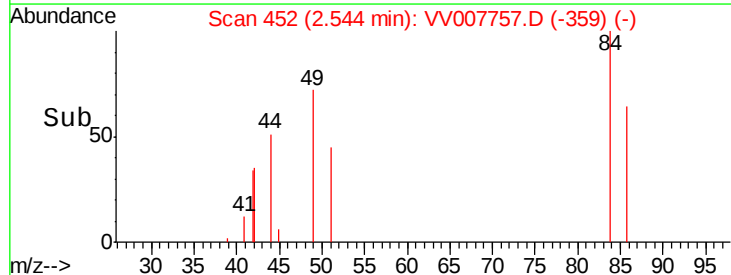
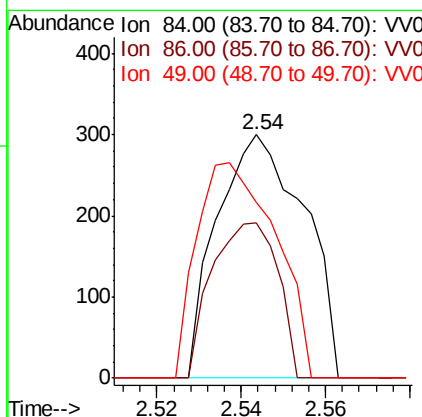
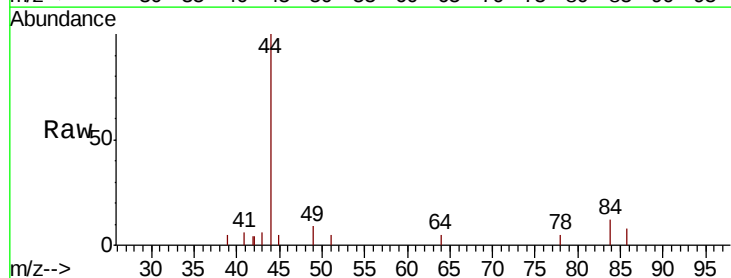
Instrument :
 MSVOA_V
 ClientSampleId :
 C08N2

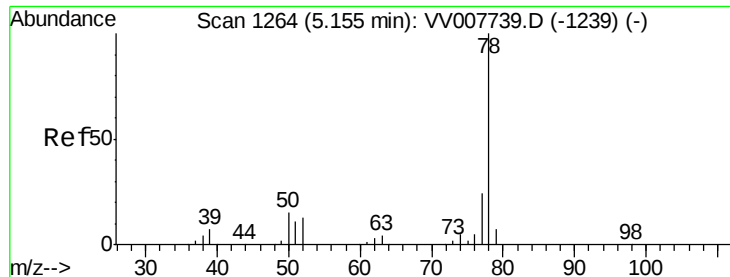
Tgt Ion: 96 Resp: 678
 Ion Ratio Lower Upper
 96 100
 61 1423.0 107.3 199.3#
 63 11084.8 78.8 146.4#



#16
 Methylene chloride
 Concen: 0.328 ug/L
 RT: 2.54 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

Tgt Ion: 84 Resp: 430
 Ion Ratio Lower Upper
 84 100
 86 64.0 45.4 84.4
 49 72.0 75.3 139.9#





#33

Benzene

Concen: 11.454 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV007757.D

Acq: 23 Sep 2018 00:56

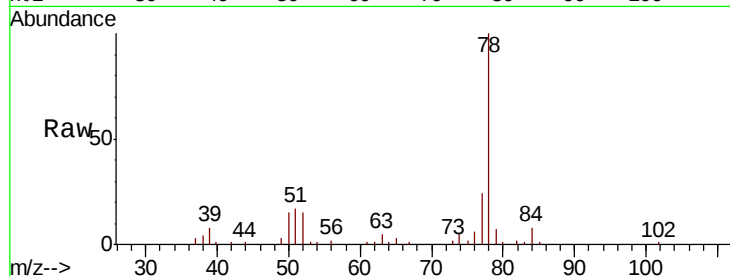
Instrument :

MSVOA_V

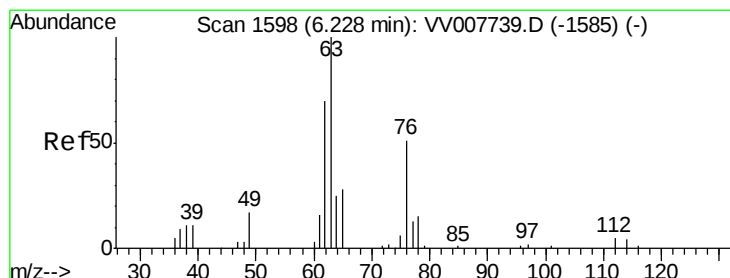
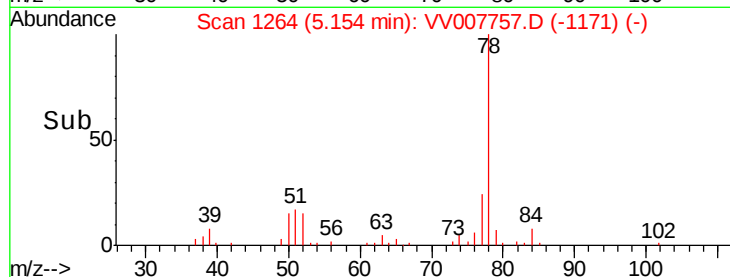
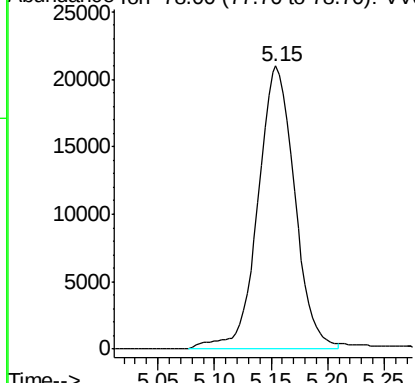
ClientSampleId :

C08N2

Tgt Ion: 78 Resp: 47525



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 5.983 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007757.D

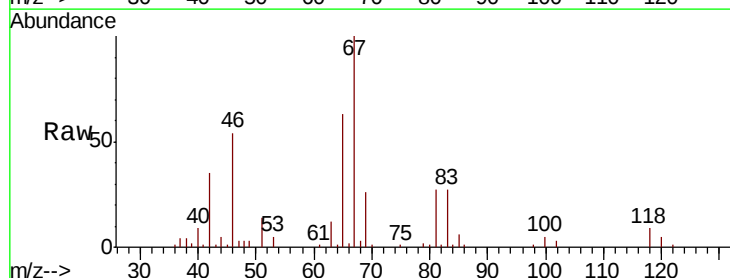
Acq: 23 Sep 2018 00:56

Tgt Ion: 63 Resp: 6251

Ion Ratio Lower Upper

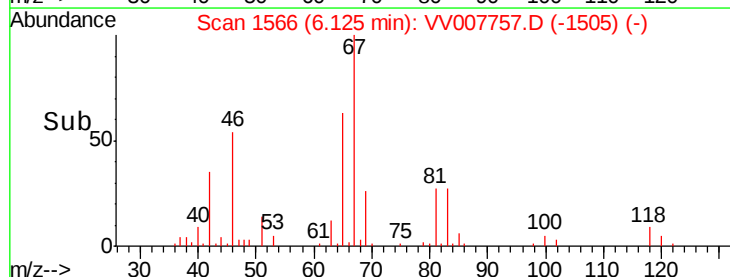
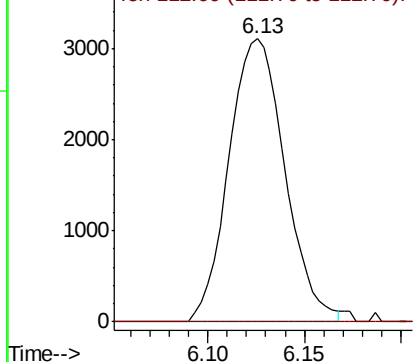
63 100

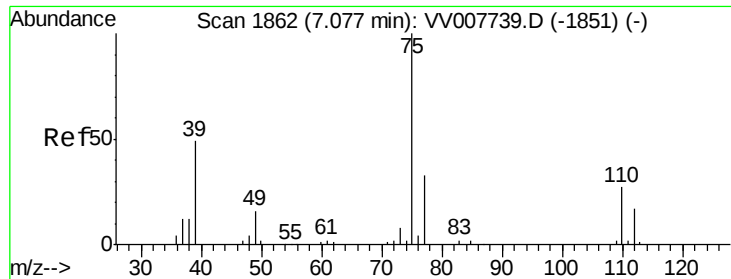
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

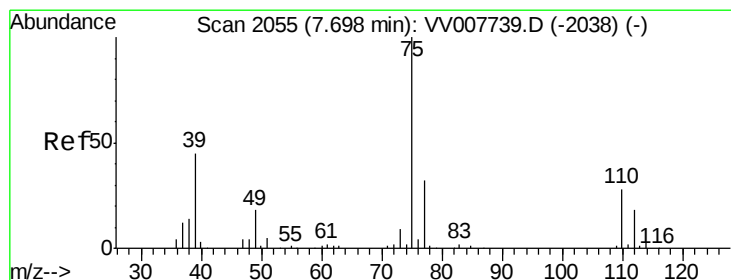
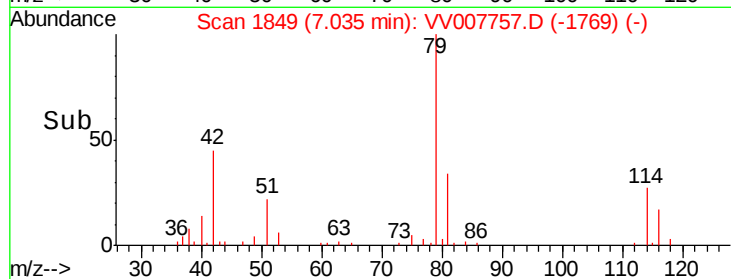
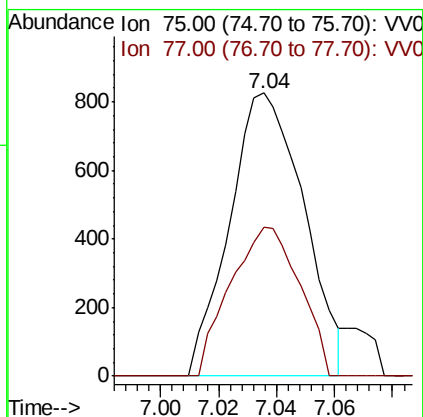
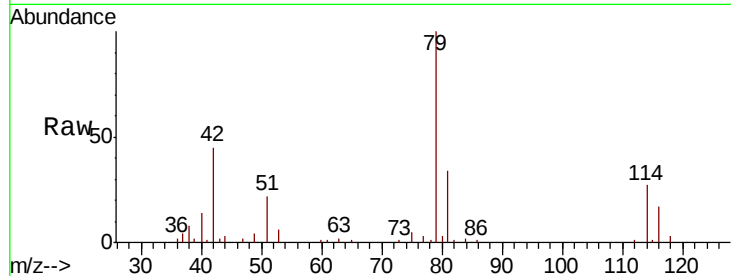




#39
 cis-1,3-Dichloropropene
 Concen: 0.872 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

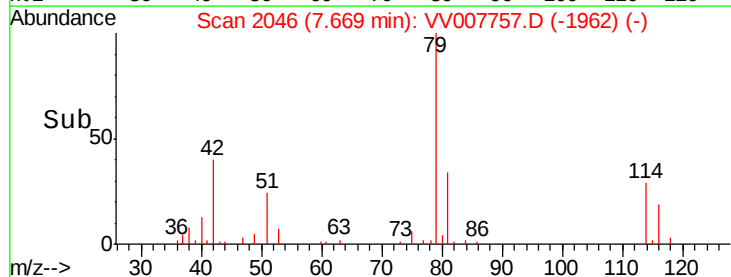
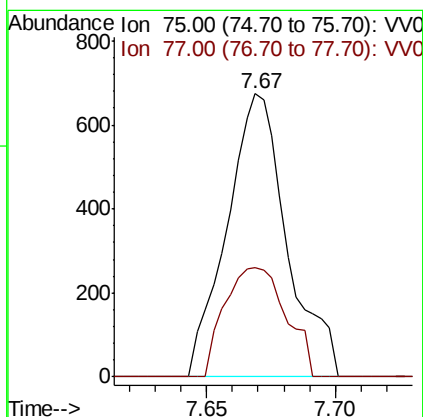
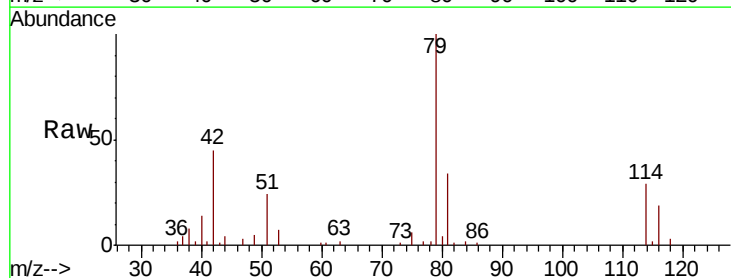
Instrument :
 MSVOA_V
 ClientSampleId :
 C08N2

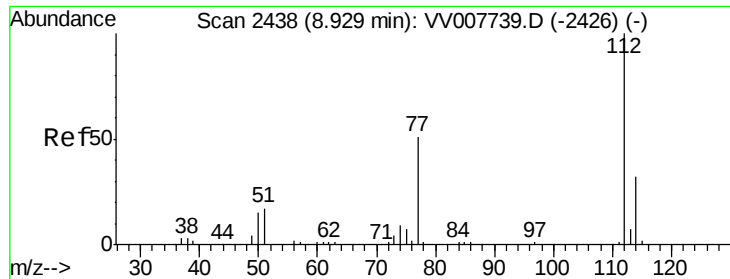
Tgt Ion: 75 Resp: 1465
 Ion Ratio Lower Upper
 75 100
 77 52.7 22.0 40.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.689 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.03 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

Tgt Ion: 75 Resp: 1099
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.0 40.8





#51

Chlorobenzene

Concen: 46.011 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007757.D

Acq: 23 Sep 2018 00:56

Instrument :

MSVOA_V

ClientSampleId :

C08N2

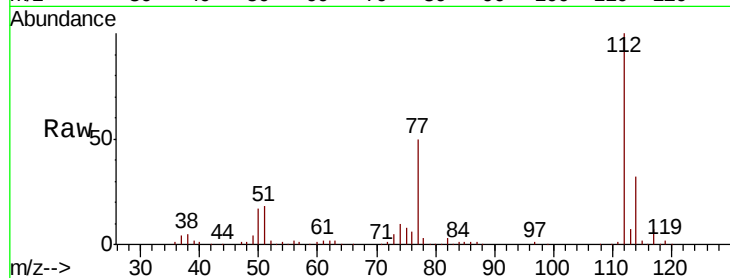
Tgt Ion: 112 Resp: 163013

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

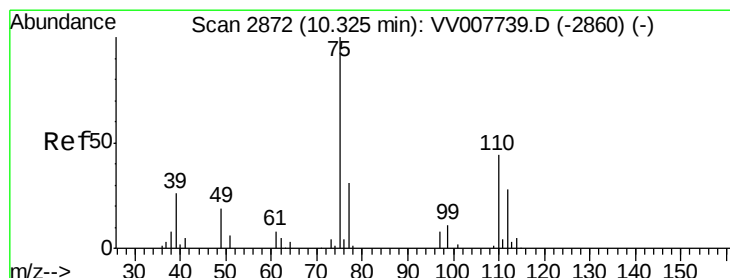
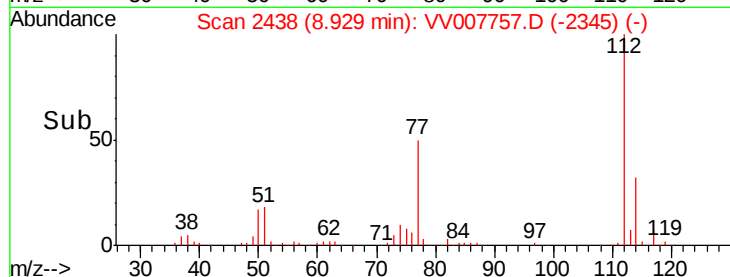
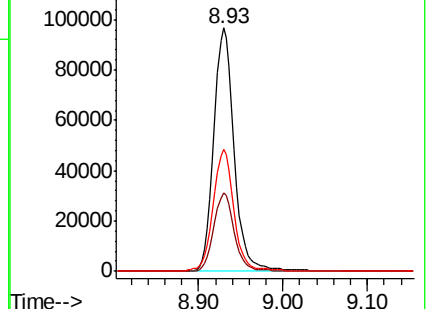
77 50.3 40.6 60.8



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: 5.455 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.91 min

Lab File: VV007757.D

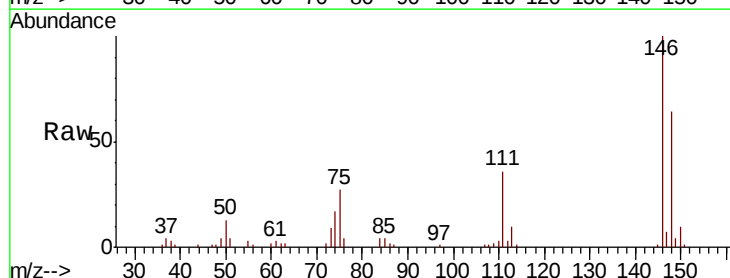
Acq: 23 Sep 2018 00:56

Tgt Ion: 75 Resp: 8059

Ion Ratio Lower Upper

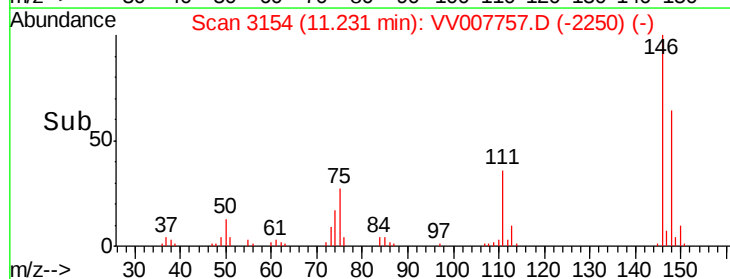
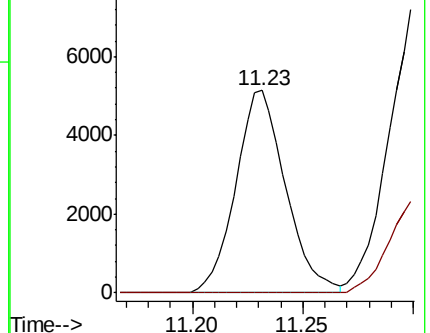
75 100

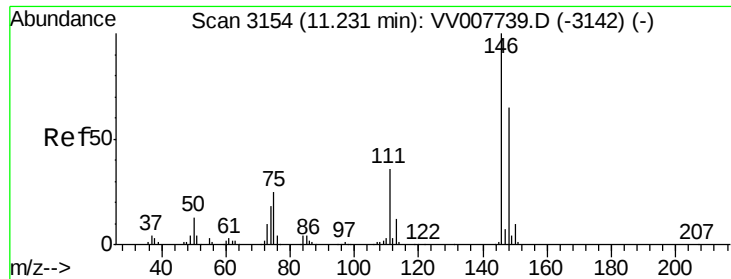
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 10.769 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007757.D

Acq: 23 Sep 2018 00:56

Instrument :

MSVOA_V

ClientSampled :

C08N2

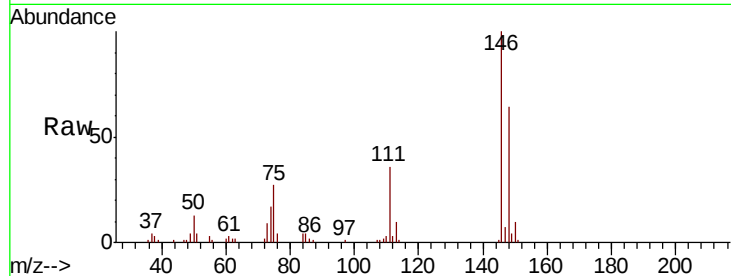
Tgt Ion:146 Resp: 32282

Ion Ratio Lower Upper

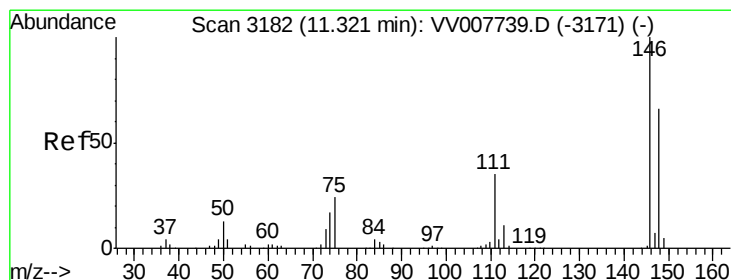
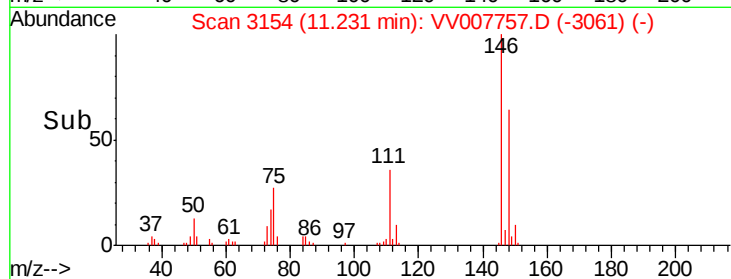
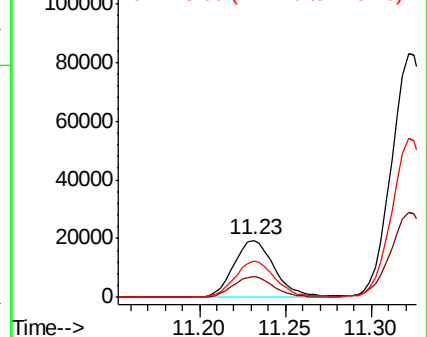
146 100

111 36.0 25.1 46.7

148 64.3 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: 44.543 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007757.D

Acq: 23 Sep 2018 00:56

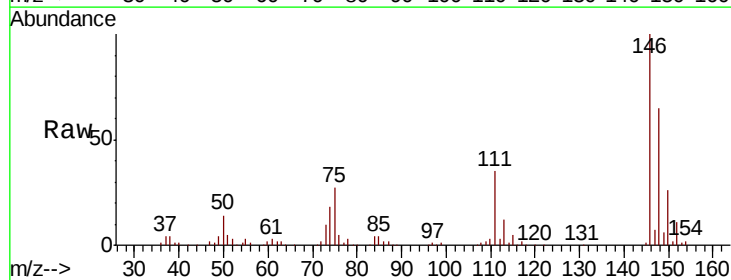
Tgt Ion:146 Resp: 138500

Ion Ratio Lower Upper

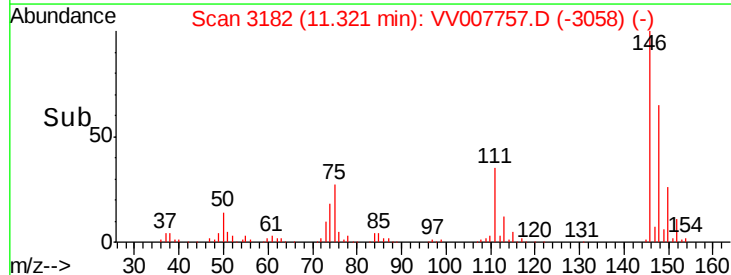
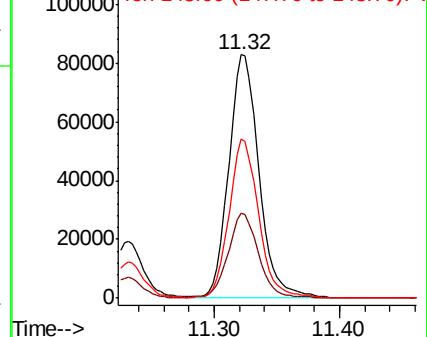
146 100

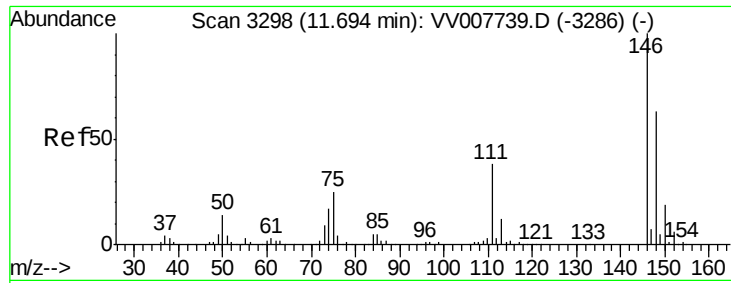
111 34.9 24.4 45.4

148 65.2 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

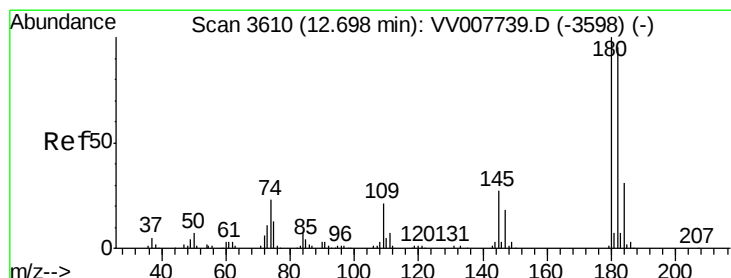
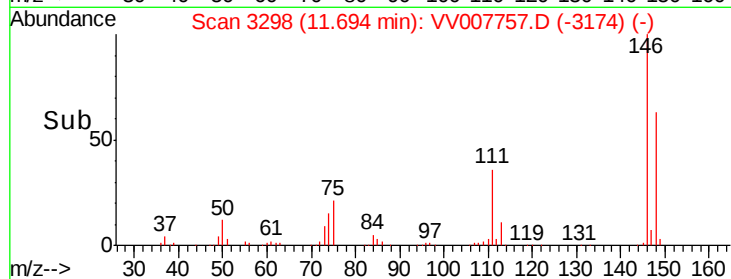
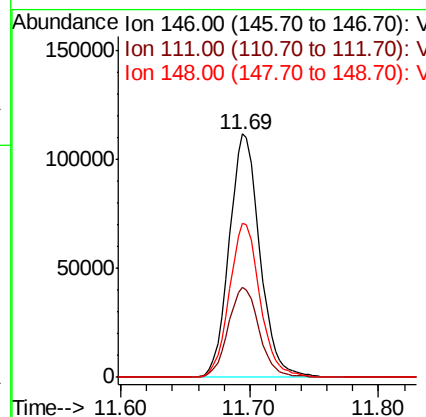
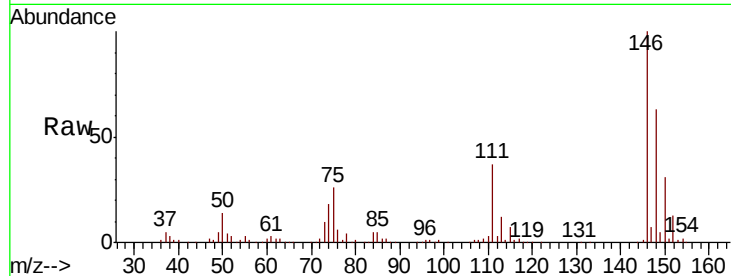




#65
 1,2-Dichlorobenzene
 Concen: 60.450 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

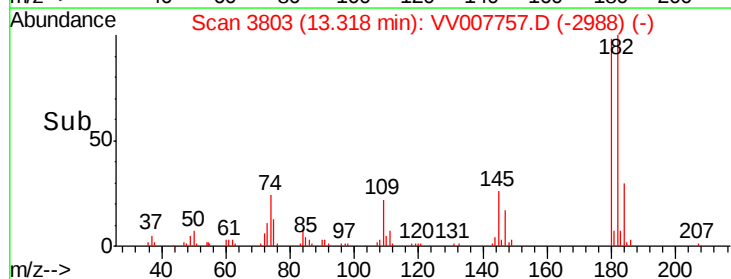
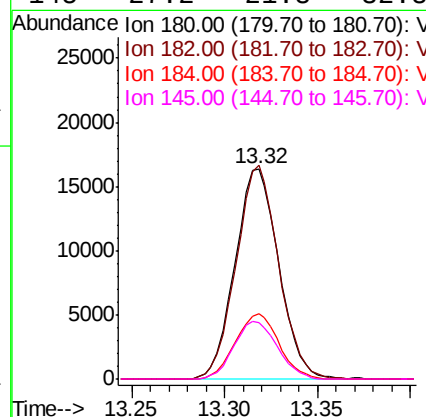
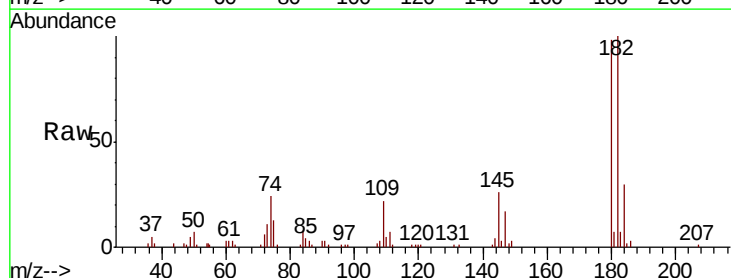
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 MSVOA_V
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 C08N2

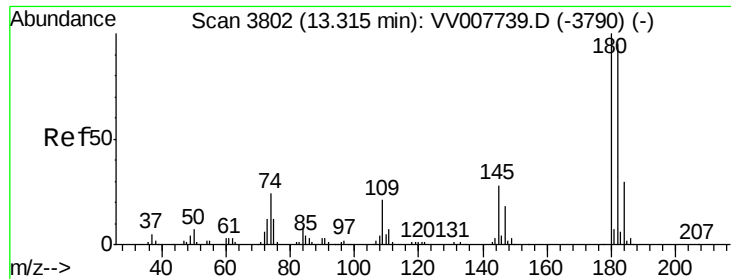
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	29.8	44.8
148	63.1	50.8	76.2



#67
 1,3,5-Trichlorobenzene
 Concen: 10.624 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.62 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.6	116.4
184	30.9	24.7	37.1
145	27.2	21.8	32.8

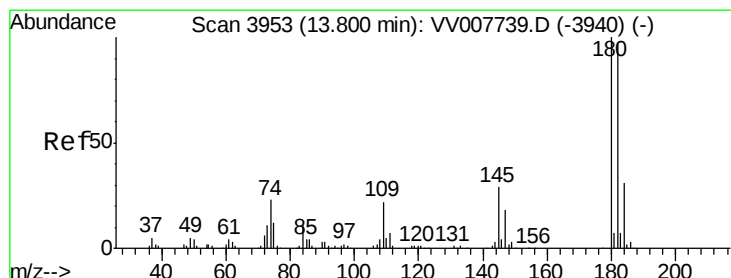
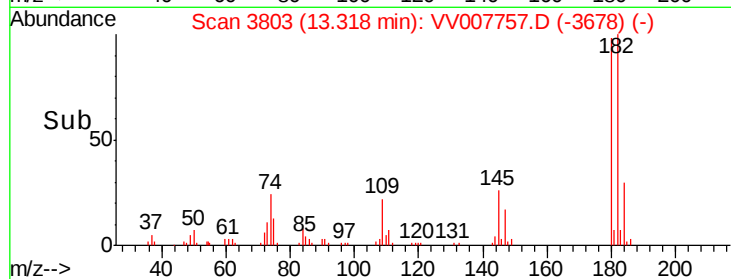
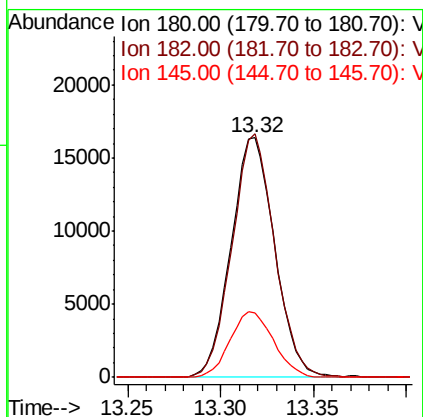
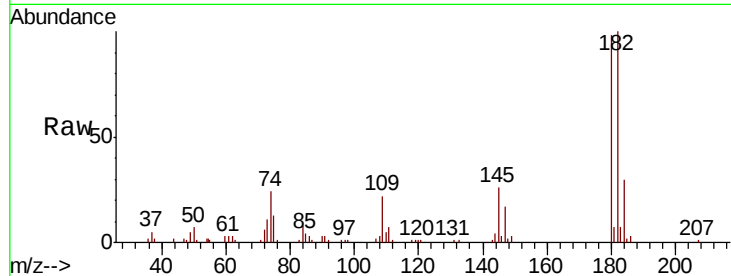




#68
 1,2,4-trichlorobenzene
 Concen: 11.838 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C08N2

Tgt Ion:180 Resp: 26749
 Ion Ratio Lower Upper
 180 100
 182 99.0 77.0 115.6
 145 27.2 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 4.931 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. -0.00 min
 Lab File: VV007757.D
 Acq: 23 Sep 2018 00:56

Tgt Ion:180 Resp: 11261
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.2
 145 28.7 23.3 34.9

