

Data File : VV008721.D
Acq On : 26 Nov 2018 19:02
Operator : SY/MD
Sample : J6036-01DL 5X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0923DL

Quant Time: Nov 27 03:15:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	278201	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	257512	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107606	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80397	40.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.94%
7) Chloroethane-d5	1.57	69	61592	57.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.90%
11) 1,1-Dichloroethene-d2	2.13	63	110201	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.04%
21) 2-Butanone-d5	3.93	46	149483	93.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.45%
24) Chloroform-d	4.41	84	179279	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	122376	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.10	84	380471	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	122199	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.60%
41) Toluene-d8	7.36	98	333430	46.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.76%
43) trans-1,3-Dichloropropene-	7.67	79	49649	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
47) 2-Hexanone-d5	8.14	63	94698	83.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	152369	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	11.68	152	117053	49.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.66%

Target Compounds

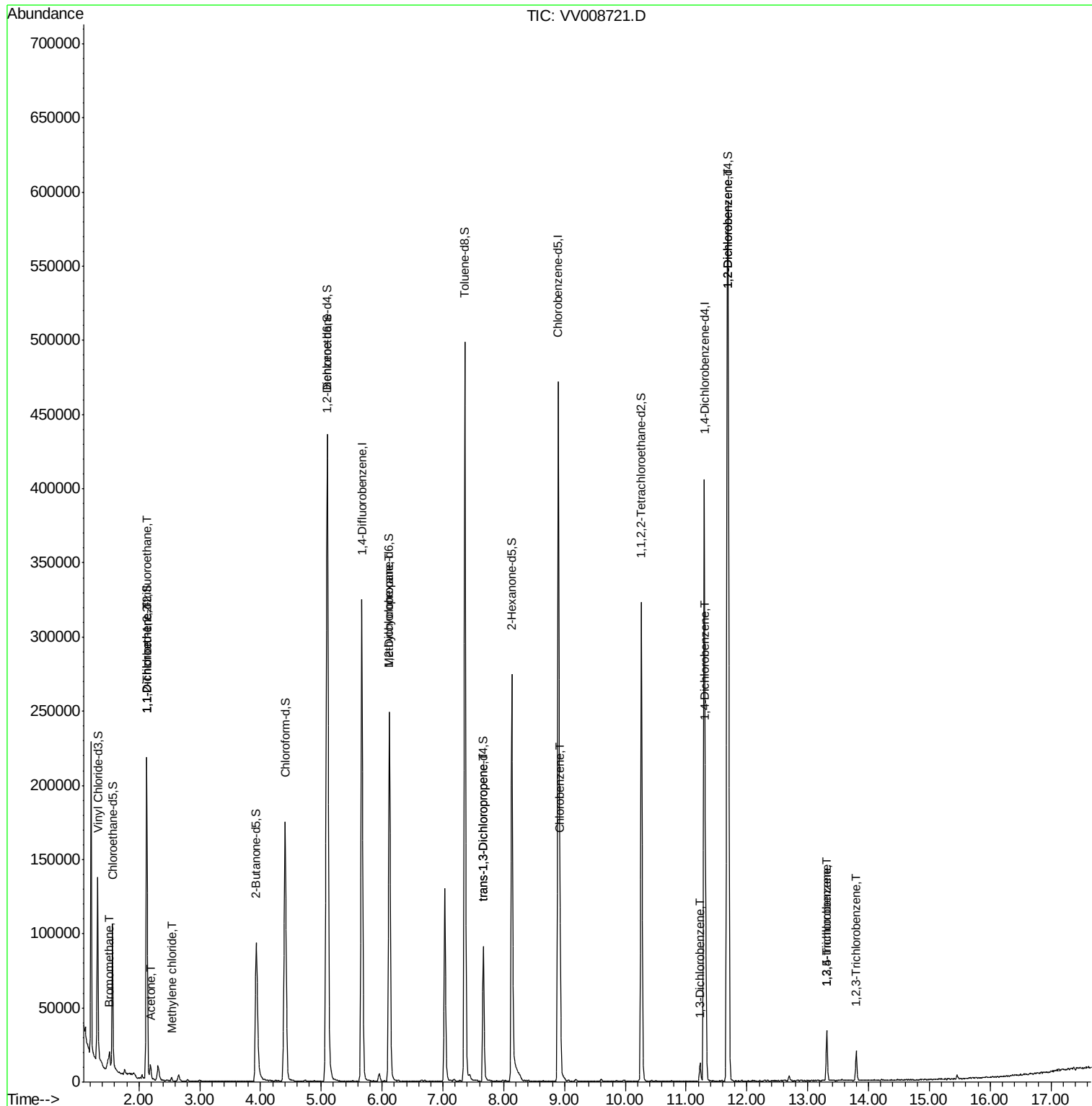
					Qvalue
6) Bromomethane	1.52	94	823	1.151 ug/L	73
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1341	0.852 ug/L #	23
12) 1,1-Dichloroethene	2.13	96	1152	0.816 ug/L #	1
13) Acetone	2.19	43	6401	4.044 ug/L	99
16) Methylene chloride	2.53	84	770	0.352 ug/L	93
35) Methylcyclohexane	6.12	83	27951	7.715 ug/L #	18
44) trans-1,3-Dichloropropene	7.67	75	2280	0.789 ug/L	89
51) Chlorobenzene	8.93	112	49677	9.069 ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	4930	1.367 ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	36072	9.816 ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	178286	47.904 ug/L	96
67) 1,3,5-Trichlorobenzene	13.31	180	10593	4.220 ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	10593	5.561 ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	6723	3.432 ug/L	93

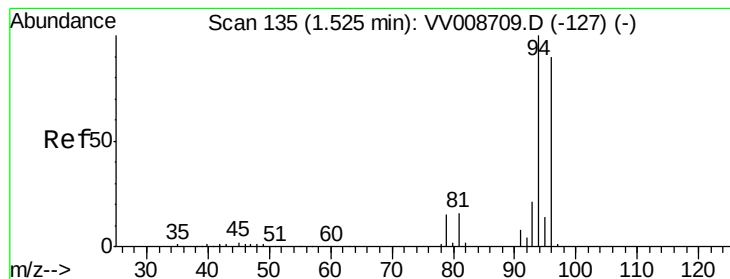
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 1.151 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

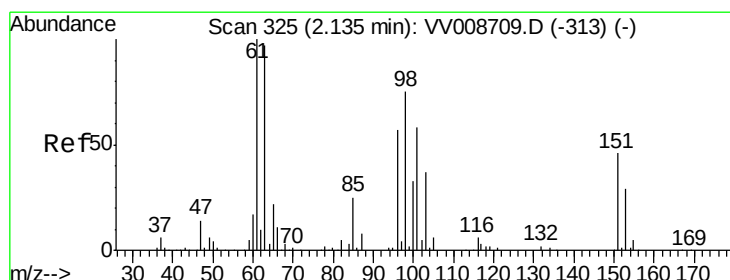
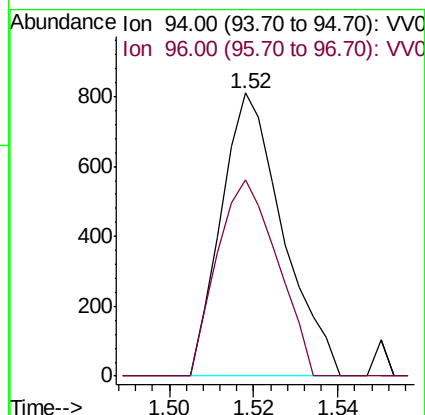
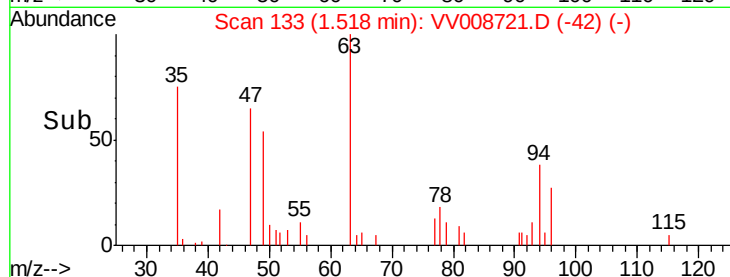
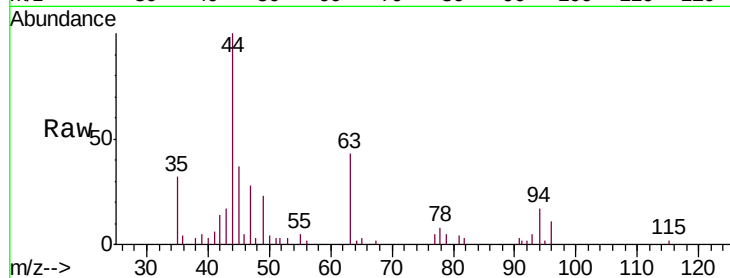
C0923DL

Tgt Ion: 94 Resp: 823

Ion Ratio Lower Upper

94 100

96 69.4 66.6 123.8



#10

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

Concen: 0.852 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

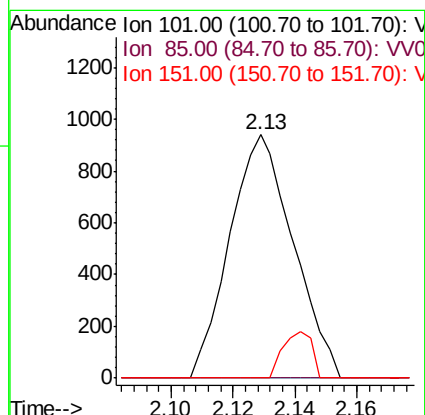
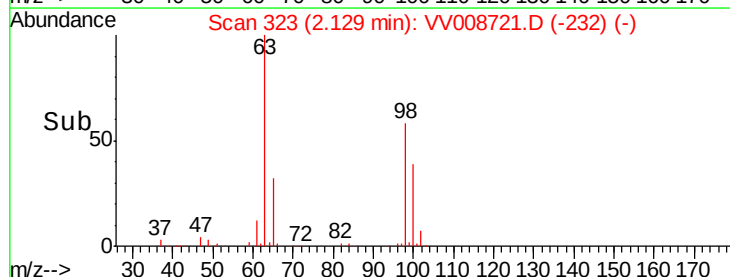
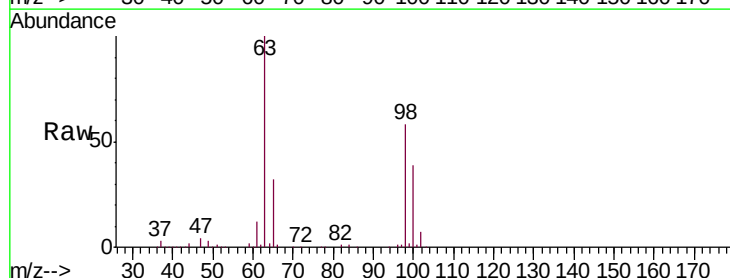
Tgt Ion: 101 Resp: 1341

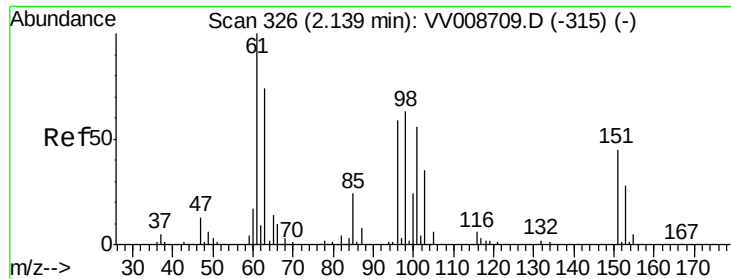
Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

151 8.6 63.8 95.8#

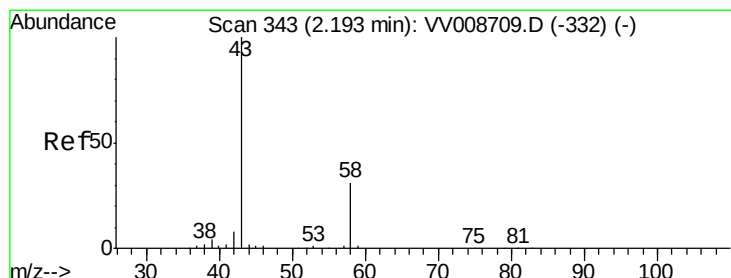
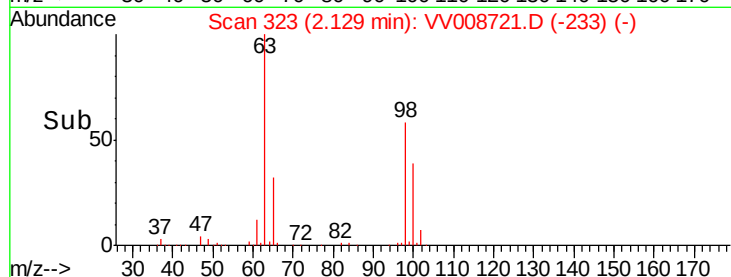
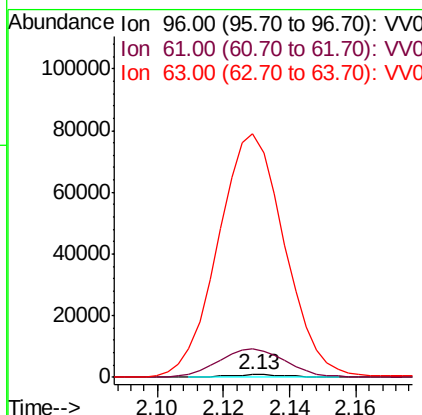
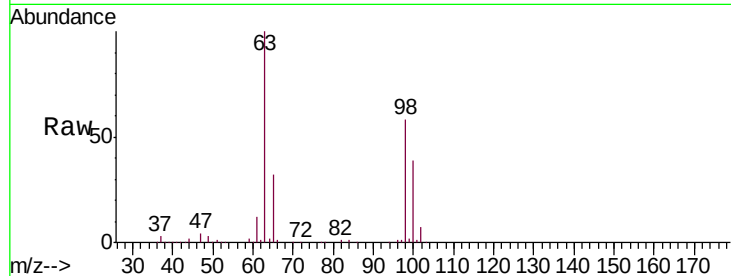




#12
 1,1-Dichloroethene
 Concen: 0.816 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV008721.D
 Acq: 26 Nov 2018 19:02

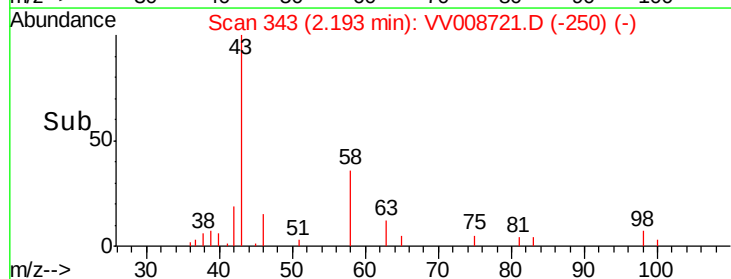
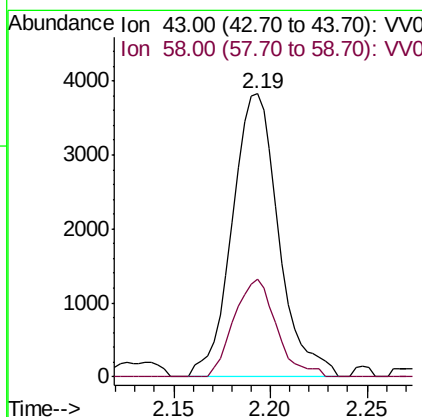
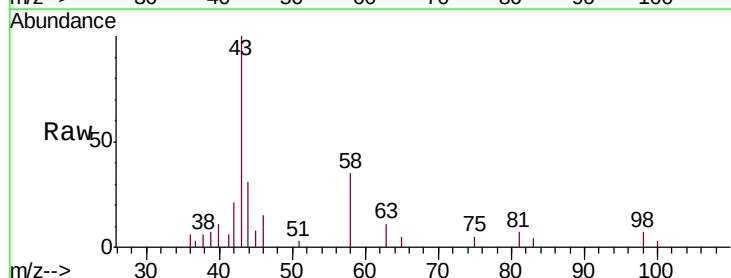
Instrument :
 MSVOA_V
 ClientSampleID :
 C0923DL

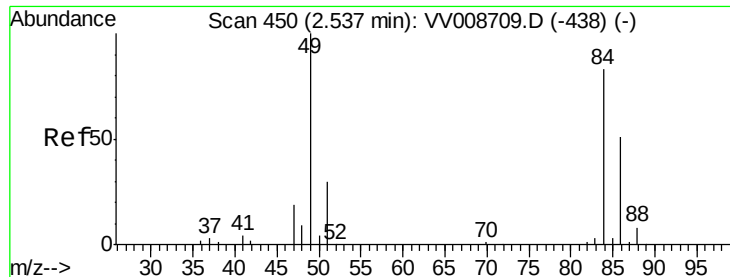
Tgt Ion: 96 Resp: 1152
 Ion Ratio Lower Upper
 96 100
 61 1103.3 120.3 223.3#
 63 9576.7 113.3 210.5#



#13
 Acetone
 Concen: 4.044 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VV008721.D
 Acq: 26 Nov 2018 19:02

Tgt Ion: 43 Resp: 6401
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 62.8

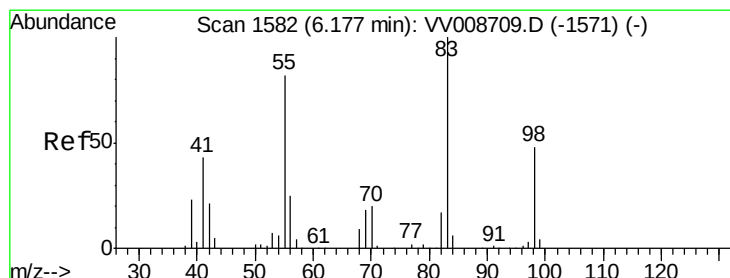
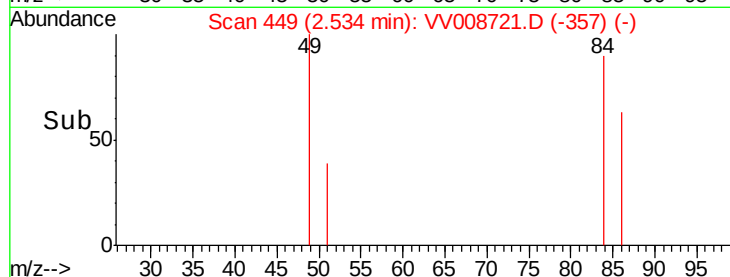
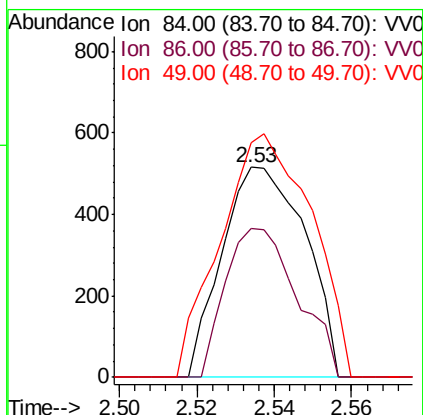
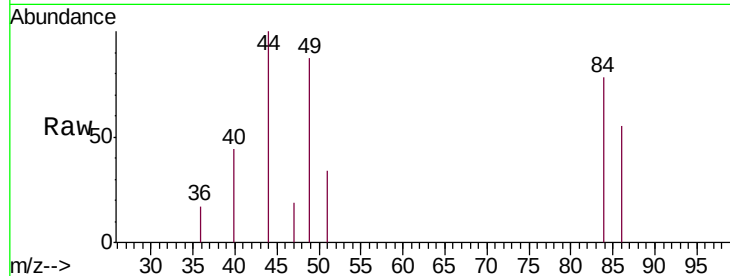




#16
Methylene chloride
Concen: 0.352 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008721.D
Acq: 26 Nov 2018 19:02

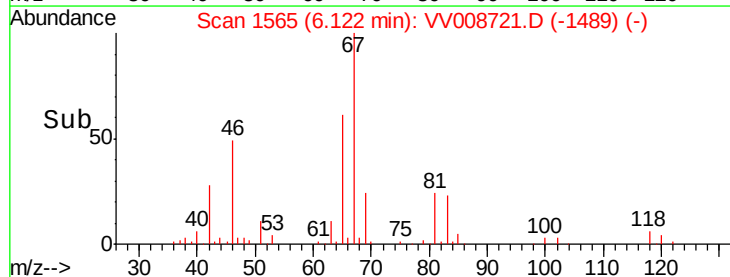
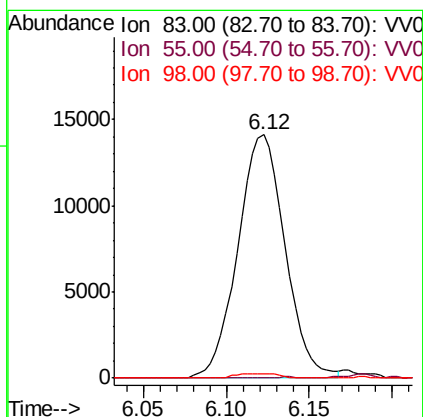
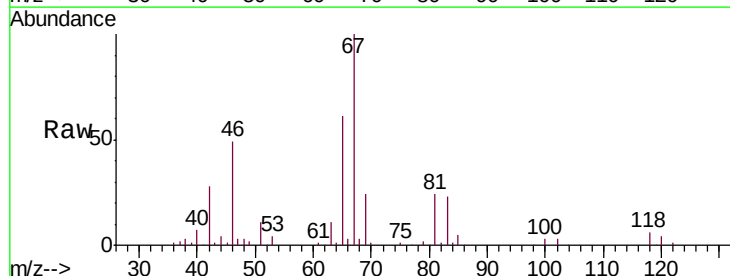
Instrument :
MSVOA_V
ClientSampleId :
C0923DL

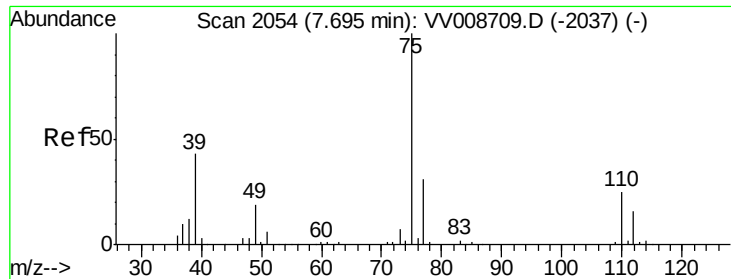
Tgt Ion: 84 Resp: 770
Ion Ratio Lower Upper
84 100
86 70.7 50.6 94.0
49 111.6 86.5 160.7



#35
Methylcyclohexane
Concen: 7.715 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008721.D
Acq: 26 Nov 2018 19:02

Tgt Ion: 83 Resp: 27951
Ion Ratio Lower Upper
83 100
55 0.2 63.0 94.6#
98 1.0 35.4 53.0#





#44

trans-1,3-Dichloropropene

Concen: 0.789 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

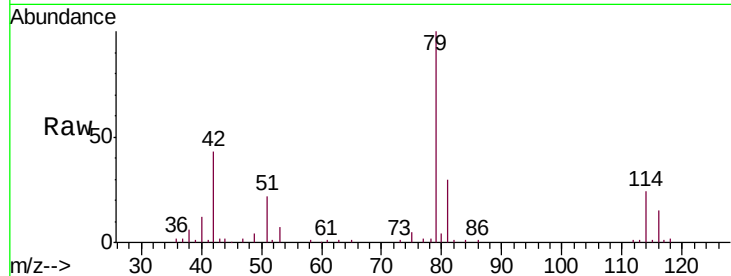
C0923DL

Tgt Ion: 75 Resp: 2280

Ion Ratio Lower Upper

75 100

77 41.6 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV008709.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2037) (-)

7.67

1500

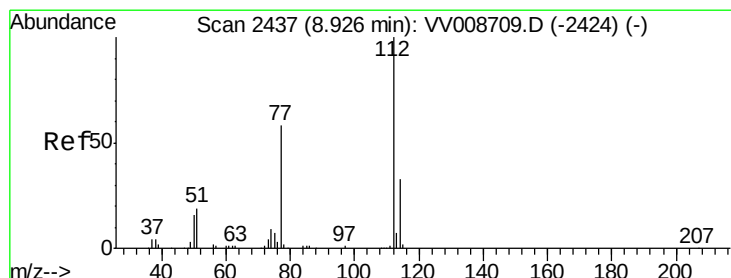
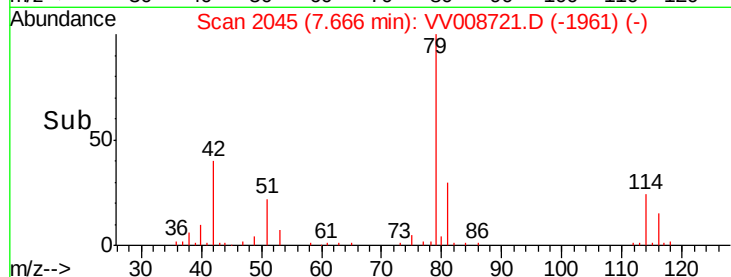
1000

500

0

7.62 7.64 7.66 7.68 7.70

Time-->



#51

Chlorobenzene

Concen: 9.069 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

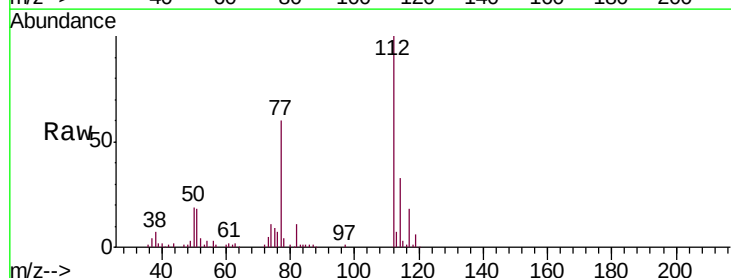
Tgt Ion: 112 Resp: 49677

Ion Ratio Lower Upper

112 100

114 33.0 22.9 42.5

77 59.7 53.8 80.6



Abundance Ion 112.00 (111.70 to 112.70): VV008709.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV008709.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2424) (-)

8.93

40000

30000

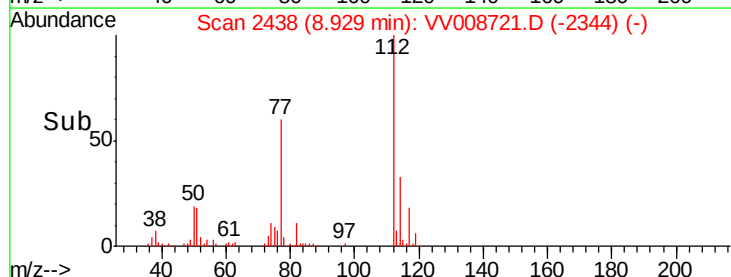
20000

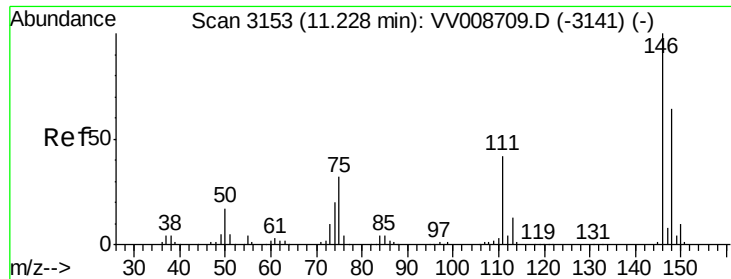
10000

0

8.85 8.90 8.95 9.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.367 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

C0923DL

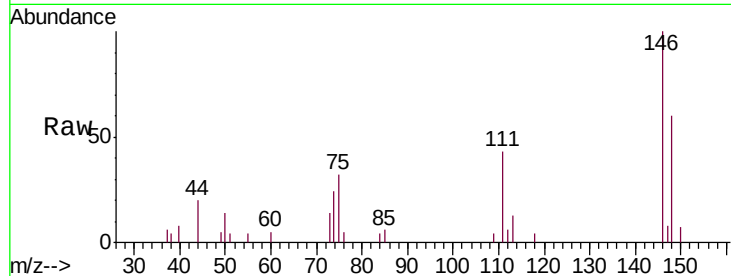
Tgt Ion:146 Resp: 4930

Ion Ratio Lower Upper

146 100

111 43.2 27.9 51.7

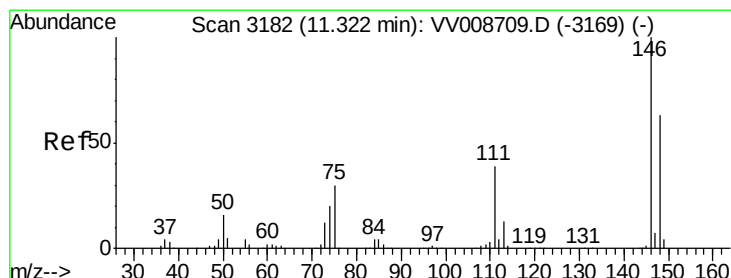
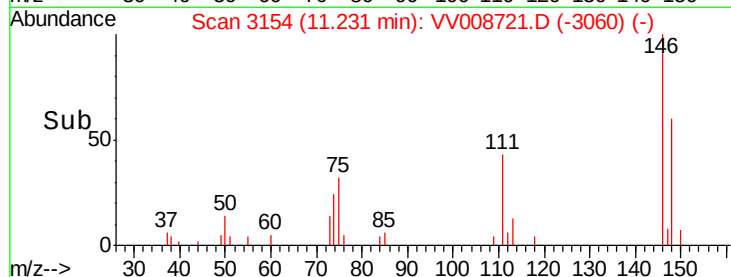
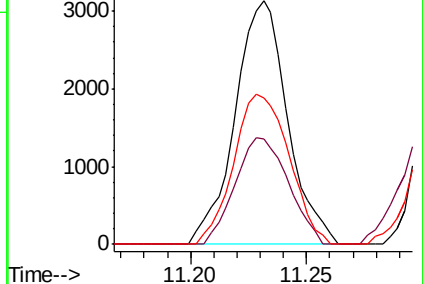
148 60.3 42.7 79.3



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: 9.816 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

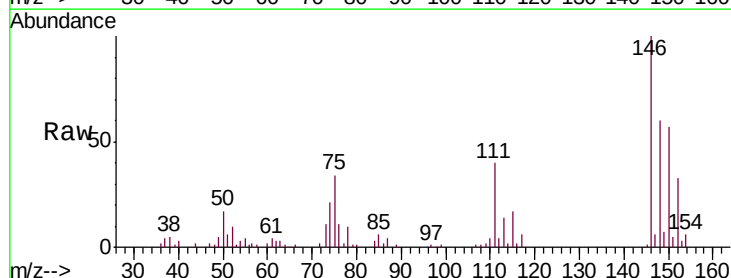
Tgt Ion:146 Resp: 36072

Ion Ratio Lower Upper

146 100

111 39.9 27.7 51.5

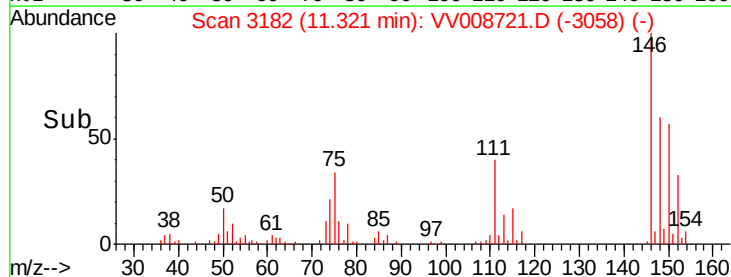
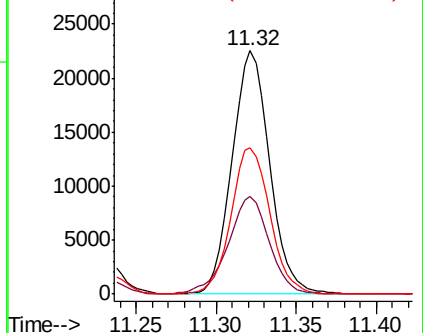
148 60.1 46.4 86.2

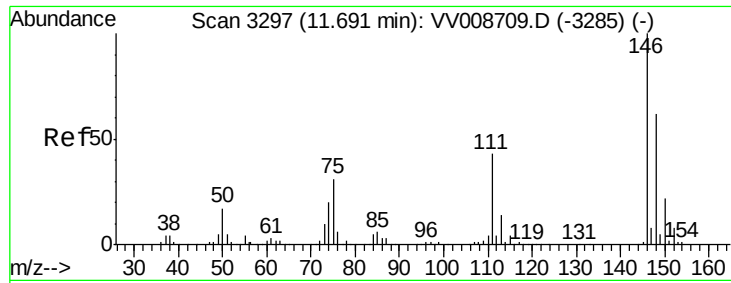


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.904 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampled :

C0923DL

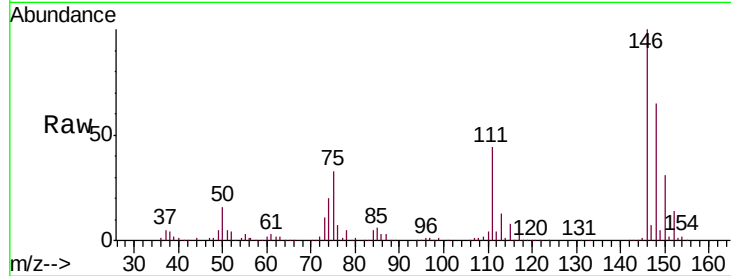
Tgt Ion:146 Resp: 178286

Ion Ratio Lower Upper

146 100

111 43.6 36.5 54.7

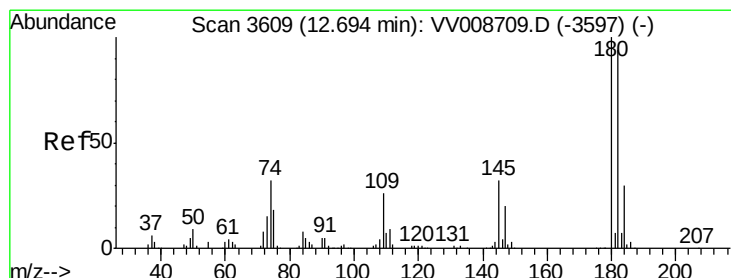
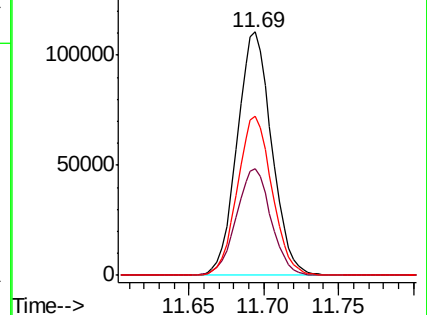
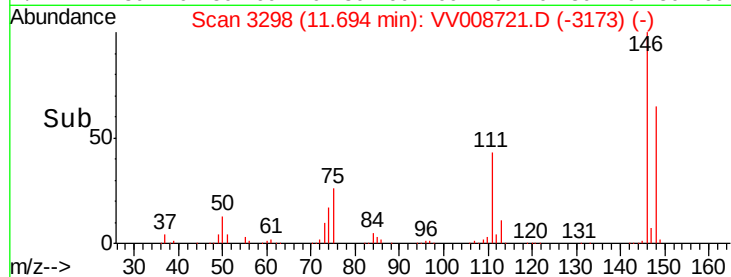
148 65.2 48.7 73.1



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



#67

1,3,5-Trichlorobenzene

Concen: 4.220 ug/L

RT: 13.31 min Scan# 3802

Delta R.T. 0.62 min

Lab File: VV008721.D

Acq: 26 Nov 2018 19:02

Tgt Ion:180 Resp: 10593

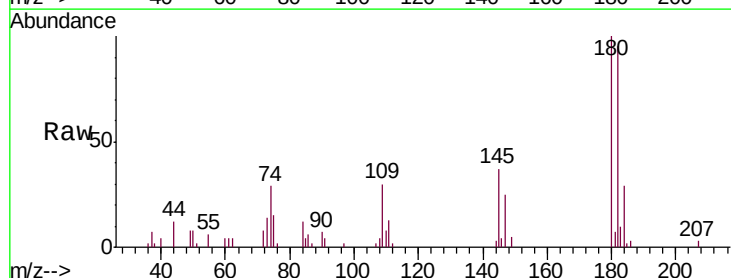
Ion Ratio Lower Upper

180 100

182 93.6 73.2 109.8

184 30.3 23.6 35.4

145 33.1 26.6 39.8

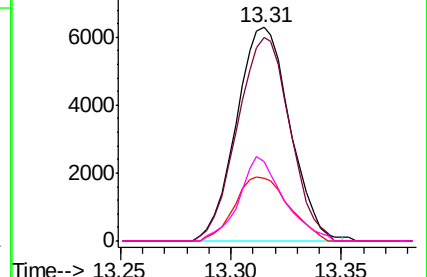
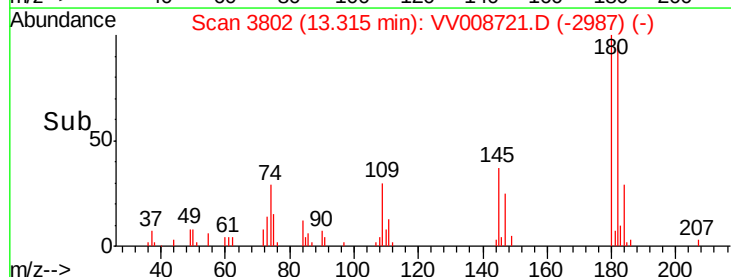


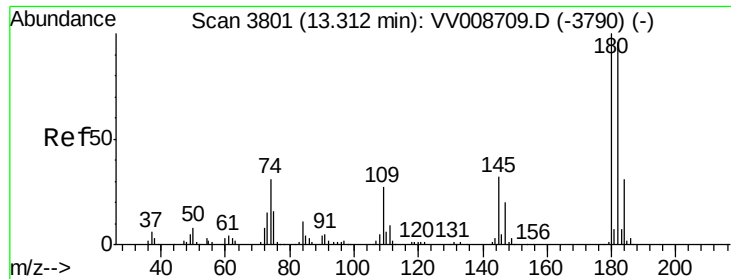
Abundance Ion 180.00 (179.70 to 180.70): V

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

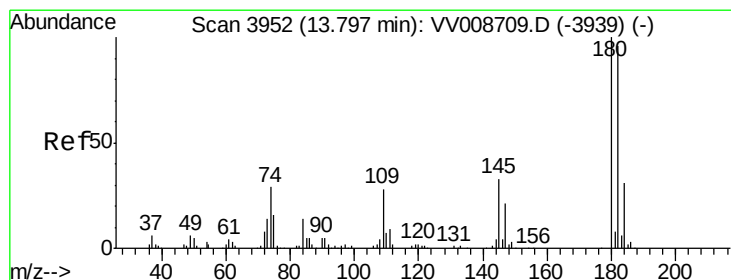
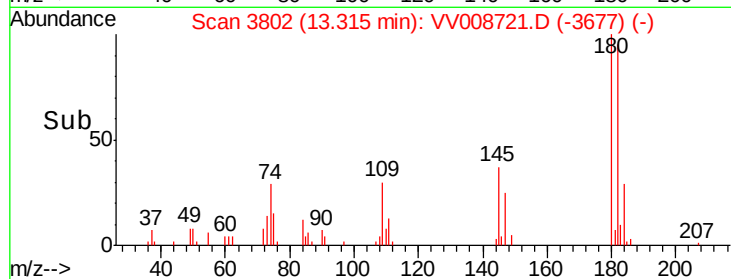
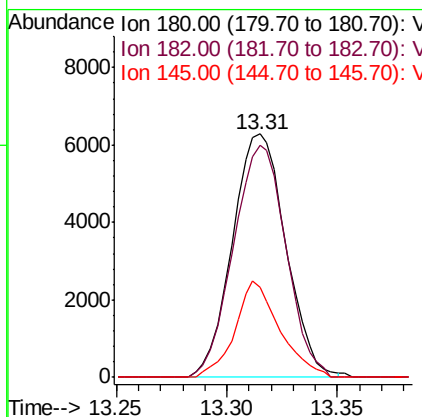
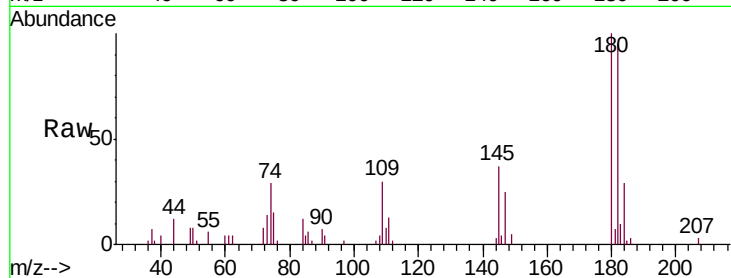




#68
 1,2,4-trichlorobenzene
 Concen: 5.561 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008721.D
 Acq: 26 Nov 2018 19:02

Instrument :
 MSVOA_V
 ClientSampleId :
 C0923DL

Tgt Ion:180 Resp: 10593
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.7 113.5
 145 33.1 28.0 42.0



#70
 1,2,3-Trichlorobenzene
 Concen: 3.432 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. -0.00 min
 Lab File: VV008721.D
 Acq: 26 Nov 2018 19:02

Tgt Ion:180 Resp: 6723
 Ion Ratio Lower Upper
 180 100
 182 88.2 77.5 116.3
 145 33.8 28.9 43.3

