

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008000.D
 Acq On : 01 Oct 2018 17:47
 Operator : SY/MD
 Sample : VV1001WBL02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 02 04:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 04:17:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	93579	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44688	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24246	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	20989	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	38143	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.98	46	67235	44.56	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.12%
24) Chloroform-d	4.41	84	53155	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.09	65	28984	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	105668	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	32634	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	98766	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.67	79	11272	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	49570	42.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.82%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22510	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	40991	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

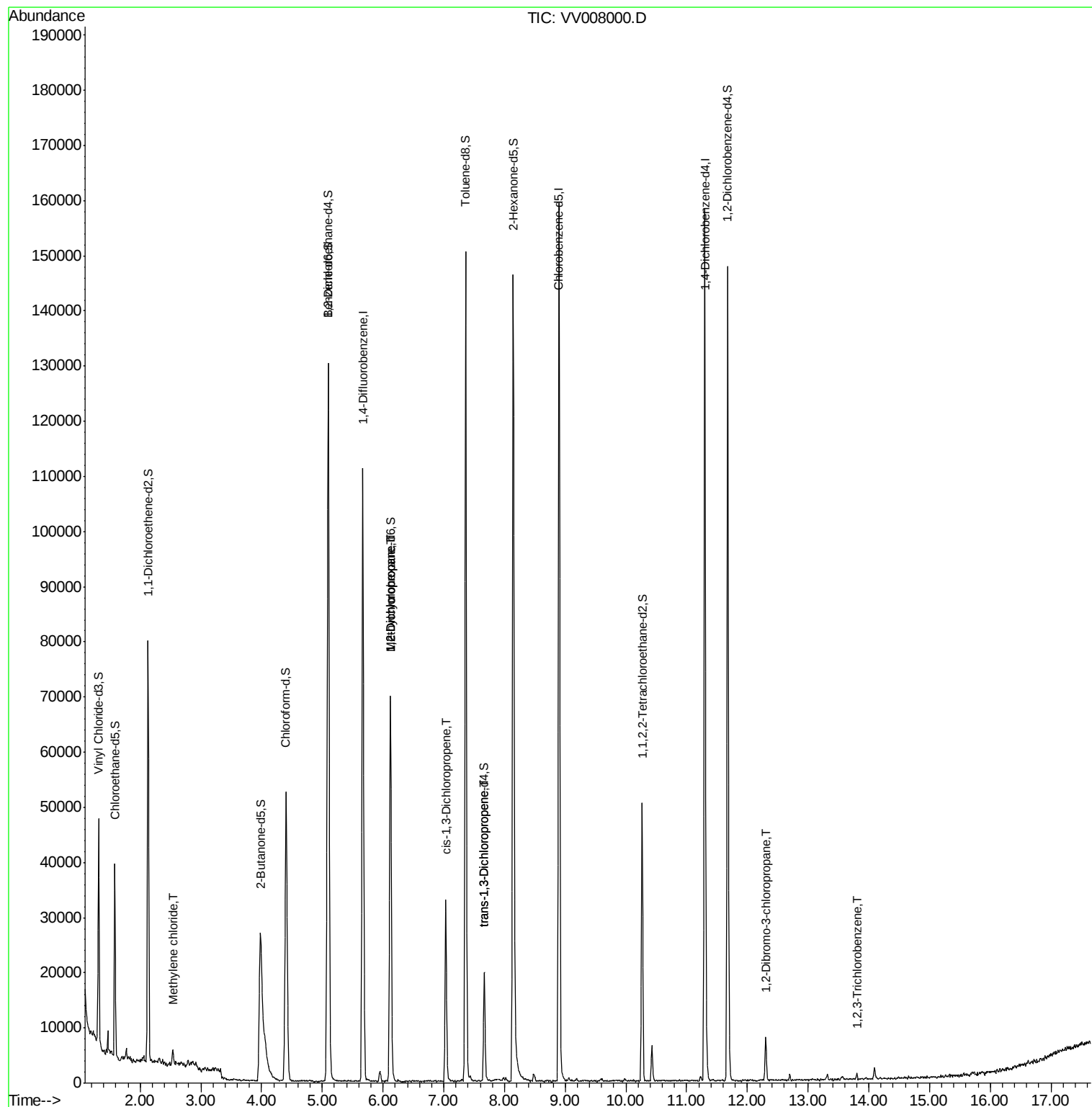
					Ovalue
16) Methylene chloride	2.53	84	959	0.140 ug/L	90
35) Methylcyclohexane	6.12	83	8198	0.742 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3726	0.567 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	854	0.097 ug/L #	78
44) trans-1,3-Dichloropropene	7.67	75	600	0.082 ug/L	87
66) 1,2-Dibromo-3-chloropropan	12.31	75	137	0.193 ug/L #	1
70) 1,2,3-Trichlorobenzene	13.80	180	498	0.052 ug/L #	83

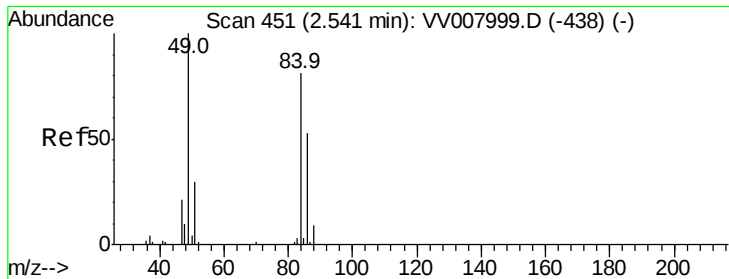
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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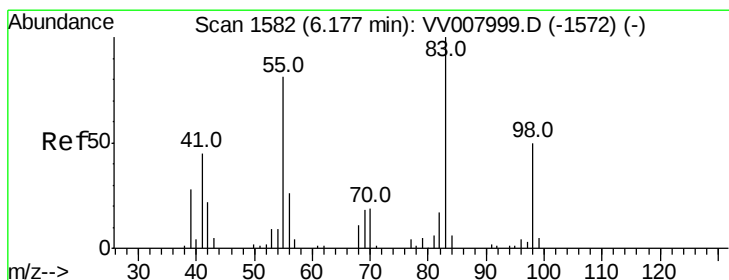
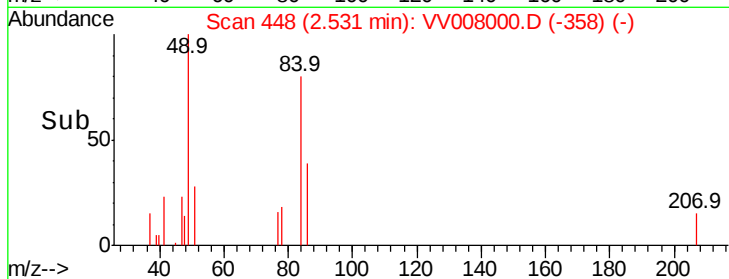
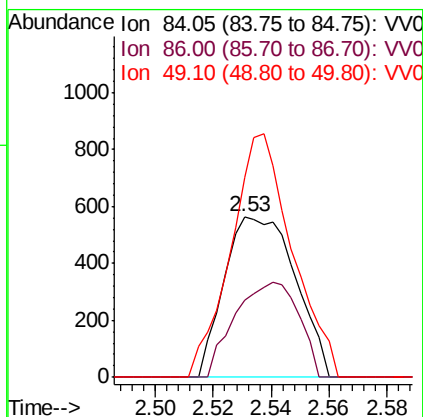
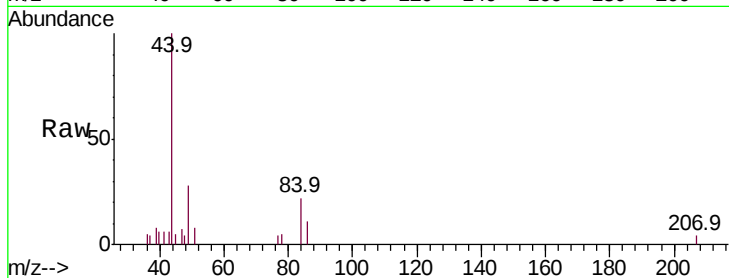




#16
Methvlene chloride
Concen: 0.140 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV008000.D
Acq: 01 Oct 2018 17:47

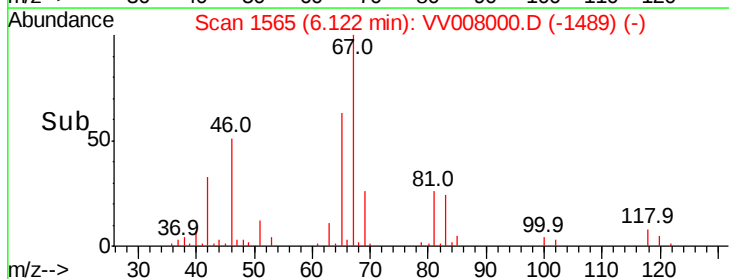
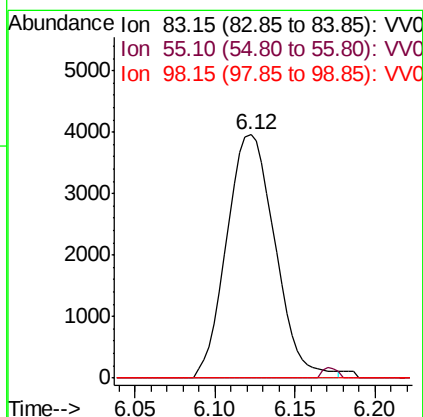
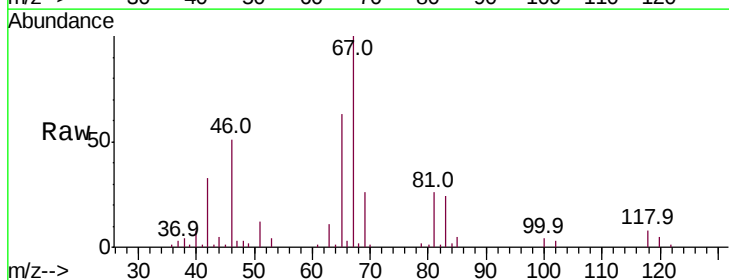
Instrument :
MSVOA_V
ClientSampleId :

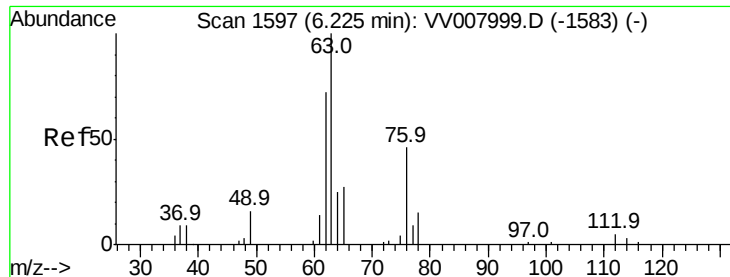
Tot Ion: 84 Resp: 959
Ion Ratio Lower Upper
84 100
86 48.3 47.3 87.8
49 124.8 90.0 167.2



#35
Methylcyclohexane
Concen: 0.742 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008000.D
Acq: 01 Oct 2018 17:47

Tgt Ion: 83 Resp: 8198
Ion Ratio Lower Upper
83 100
55 1.3 62.2 93.2#
98 1.1 38.0 57.0#





#37

1,2-Dichloropropane

Concen: 0.567 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008000.D

Acq: 01 Oct 2018 17:47

Instrument :

MSVOA_V

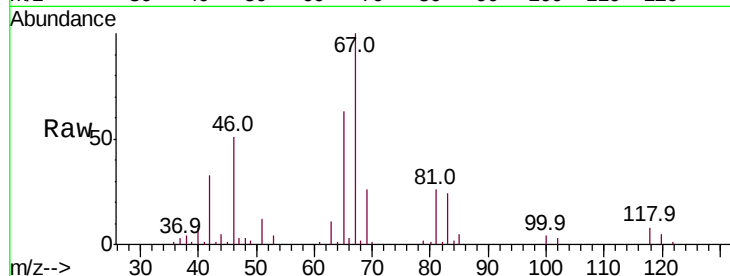
ClientSampleId :

Tot Ion: 63 Resp: 3726

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007999.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007999.D (-1583) (-)

6.12

2000

1500

1000

500

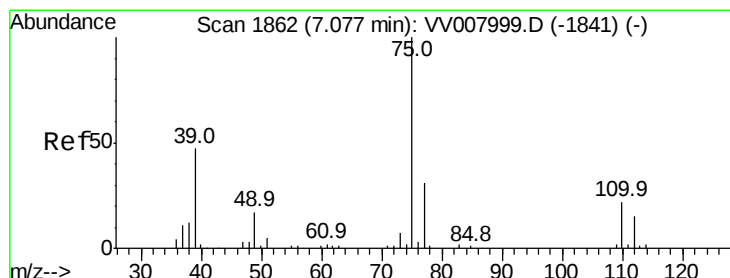
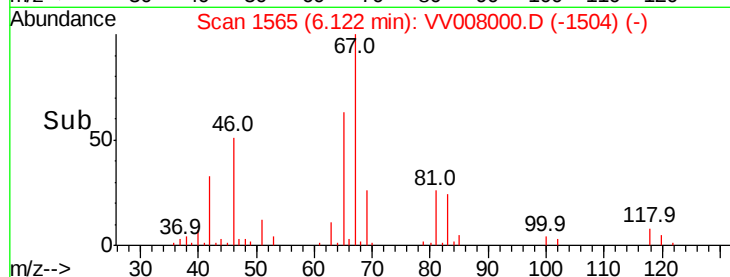
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008000.D

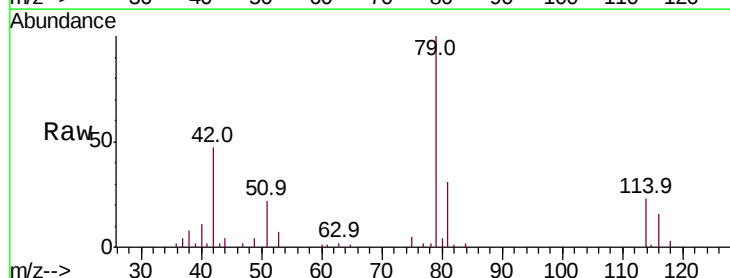
Acq: 01 Oct 2018 17:47

Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

77 44.9 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007999.D (-1841) (-)

7.04

600

500

400

300

200

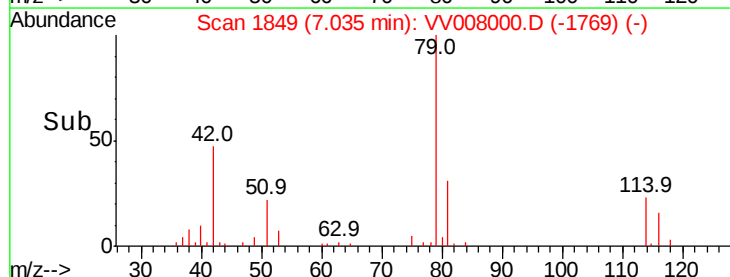
100

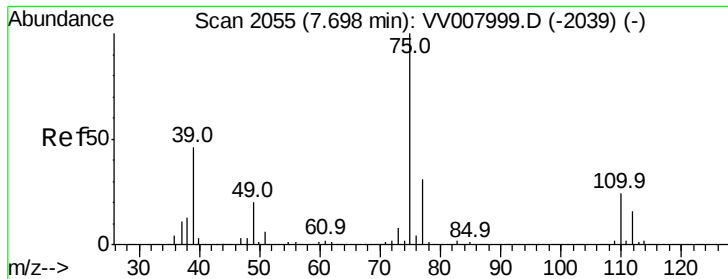
0

7.00

7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008000.D

Acq: 01 Oct 2018 17:47

Instrument :

MSVOA_V

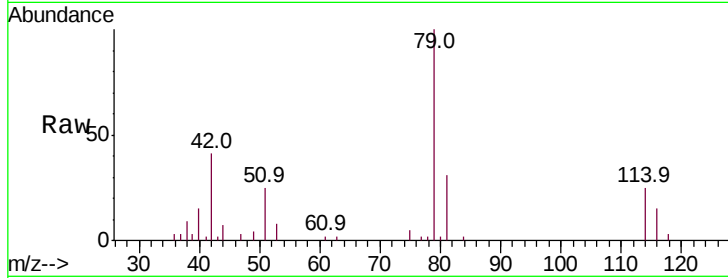
ClientSampleId :

Tot Ion: 75 Resp: 600

Ion Ratio Lower Upper

75 100

77 39.3 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

300

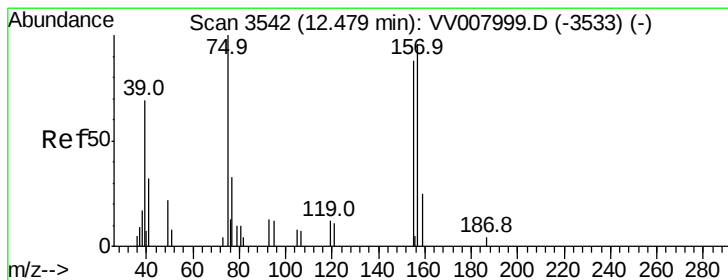
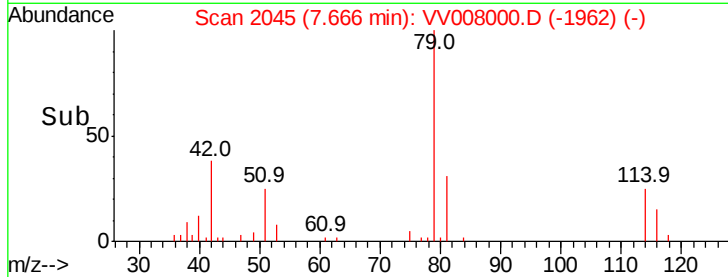
200

100

0

7.64 7.66 7.68 7.70

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.193 ug/L

RT: 12.31 min Scan# 3488

Delta R.T. -0.17 min

Lab File: VV008000.D

Acq: 01 Oct 2018 17:47

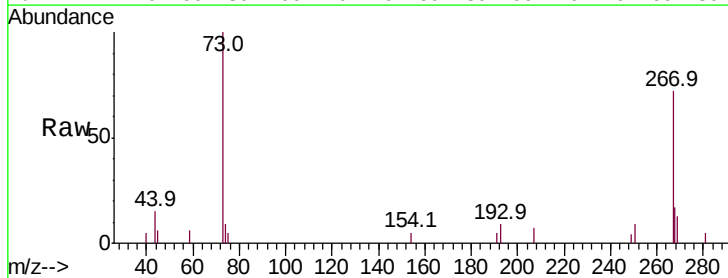
Tgt Ion: 75 Resp: 137

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

150

120

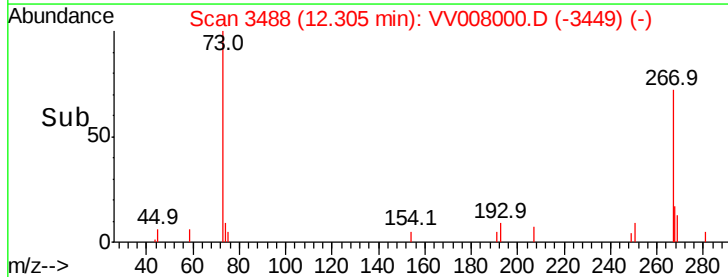
100

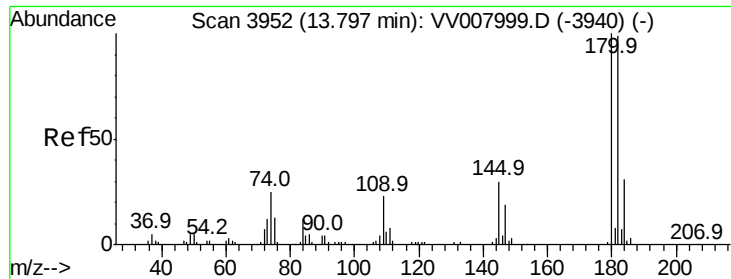
50

0

12.28 12.30 12.32

Time-->





#70
 1,2,3-Trichlorobenzene
 Concen: 0.052 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008000.D
 Acq: 01 Oct 2018 17:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 498
 Ion Ratio Lower Upper
 180 100
 182 104.8 75.7 113.5
 145 8.4 23.4 35.0#

