

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV007998.D
 Acq On : 01 Oct 2018 16:43
 Operator : SY/MD
 Sample : J5091-01DL 40X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E62S5DL

Quant Time: Oct 02 02:57:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 02:56:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90255	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	86001	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17439	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.59	69	17626	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.13	63	29842	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	3.97	46	74164	50.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.92%
24) Chloroform-d	4.41	84	49553	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.09	65	27326	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.10	84	91442	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.13	67	30180	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	83436	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	7.67	79	10534	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.14	63	53214	48.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23644	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	38973	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

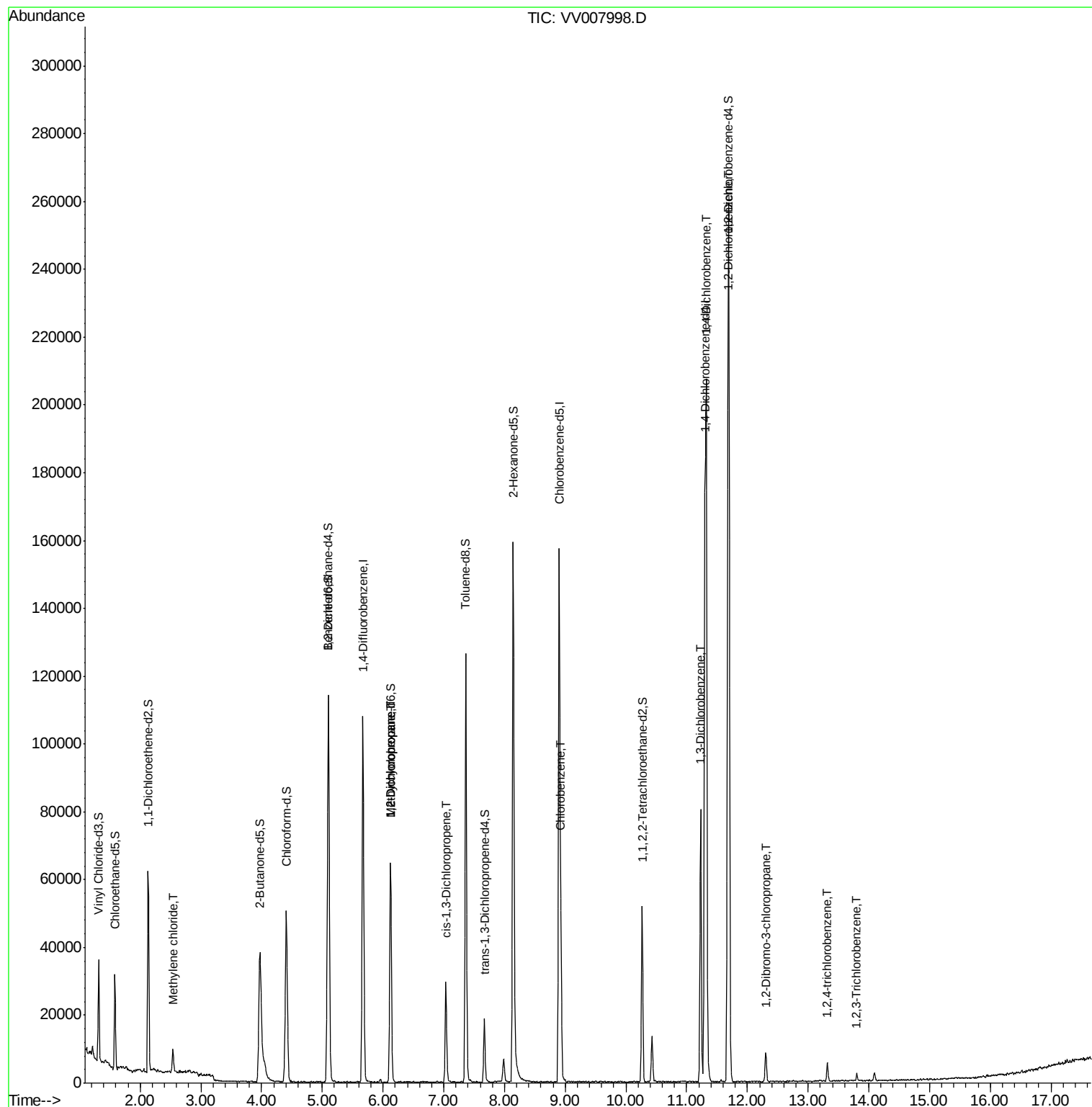
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.54	84	2526	0.381	ug/L	89
35) Methylcyclohexane	6.13	83	7452	0.705	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3550	0.564	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	786	0.093	ug/L #	79
51) Chlorobenzene	8.93	112	24508	1.323	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	35257	2.428	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	81121	5.373	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	95345	6.966	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.30	75	259	0.371	ug/L #	1
68) 1,2,4-trichlorobenzene	13.32	180	2452	0.233	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	855	0.090	ug/L	97

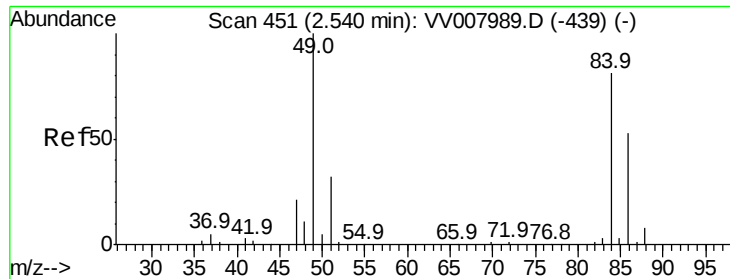
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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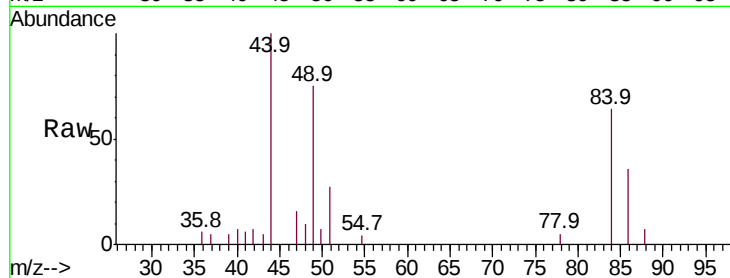




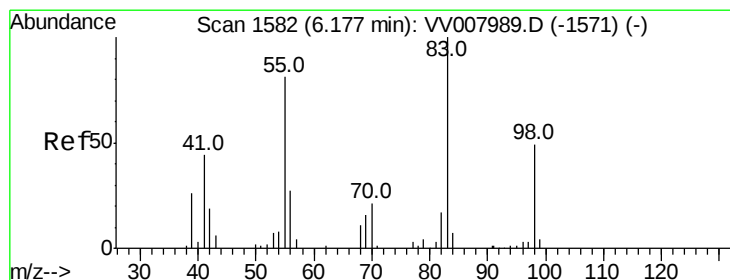
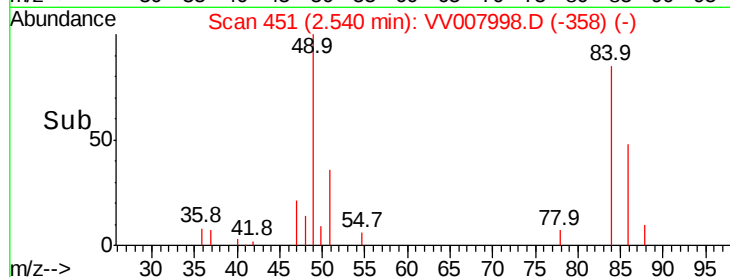
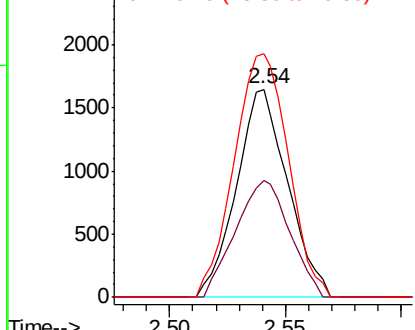
#16
Methvlene chloride
Concen: 0.381 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007998.D
Acq: 01 Oct 2018 16:43

Instrument :
MSVOA_V
ClientSampleId :
E62S5DL

Tot Ion: 84 Resp: 2526
Ion Ratio Lower Upper
84 100
86 56.0 47.3 87.8
49 117.1 90.0 167.2

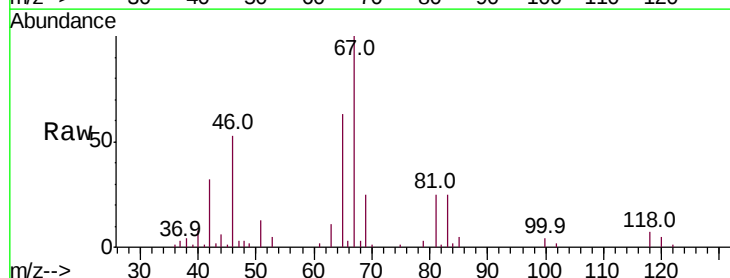


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

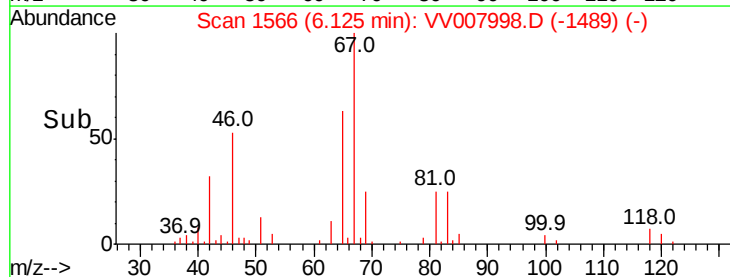
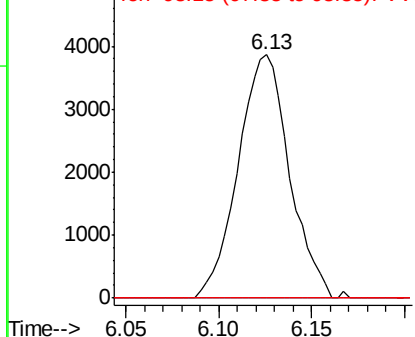


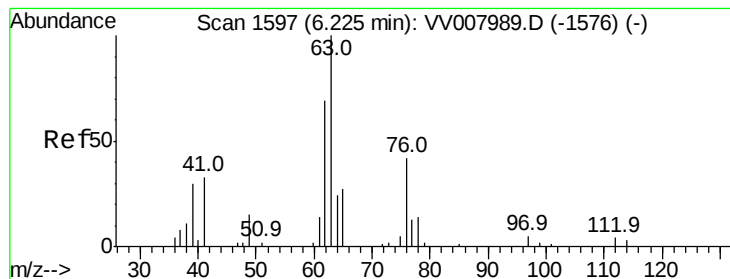
#35
Methylcyclohexane
Concen: 0.705 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV007998.D
Acq: 01 Oct 2018 16:43

Tgt Ion: 83 Resp: 7452
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 1.6 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.564 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007998.D

Acq: 01 Oct 2018 16:43

Instrument :

MSVOA_V

ClientSampleId :

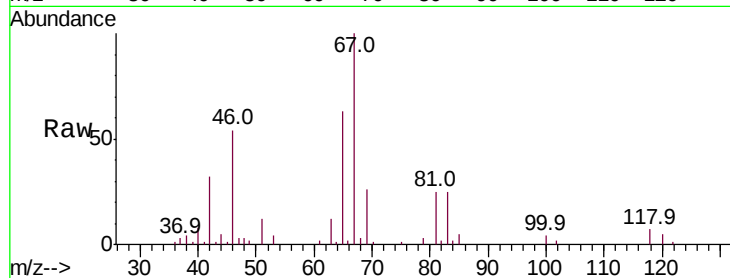
E62S5DL

Tot Ion: 63 Resp: 3550

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007998.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV007998.D (-1576) (-)

6.12

2000

1500

1000

500

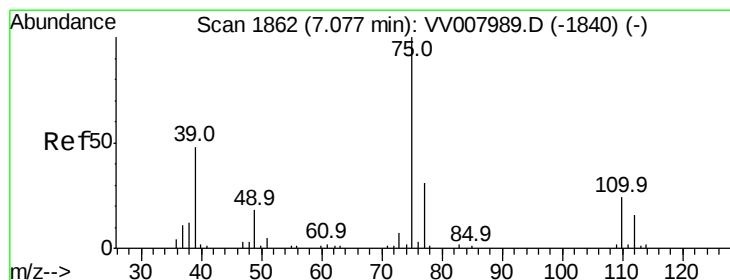
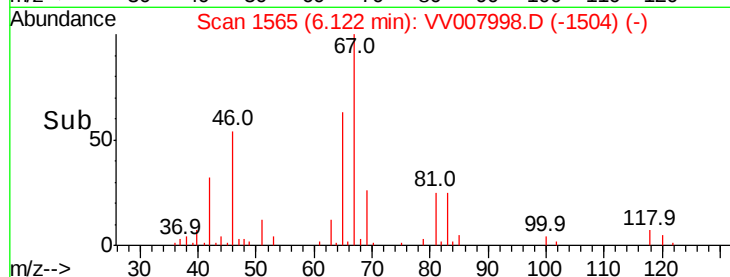
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007998.D

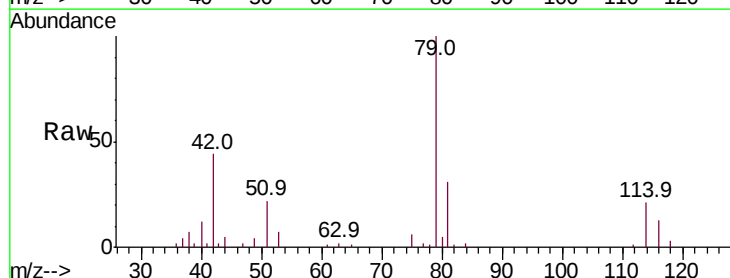
Acq: 01 Oct 2018 16:43

Tgt Ion: 75 Resp: 786

Ion Ratio Lower Upper

75 100

77 44.4 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007998.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV007998.D (-1840) (-)

7.04

600

500

400

300

200

100

0

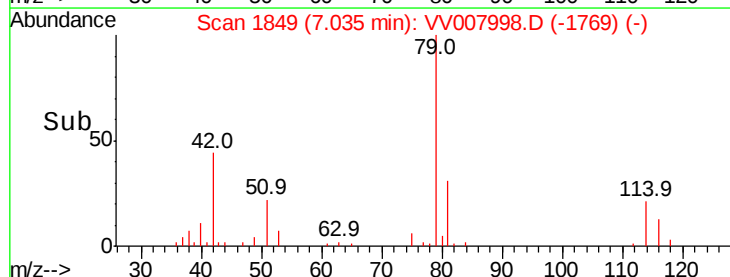
7.00

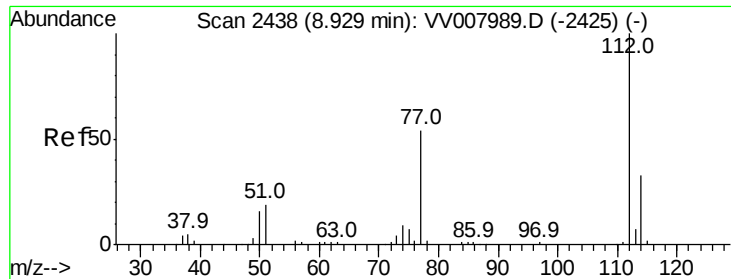
7.02

7.04

7.06

Time-->

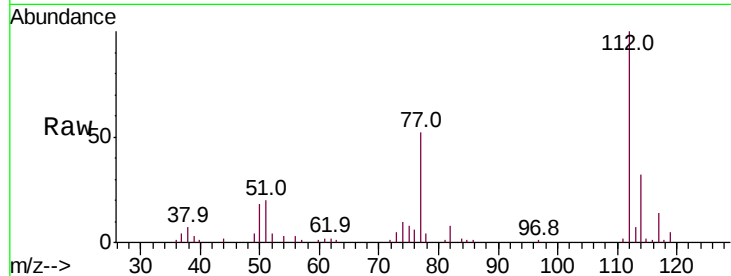




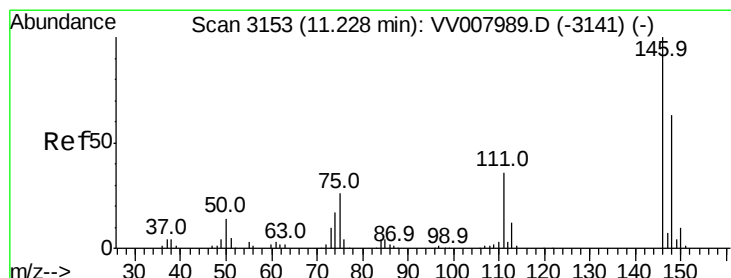
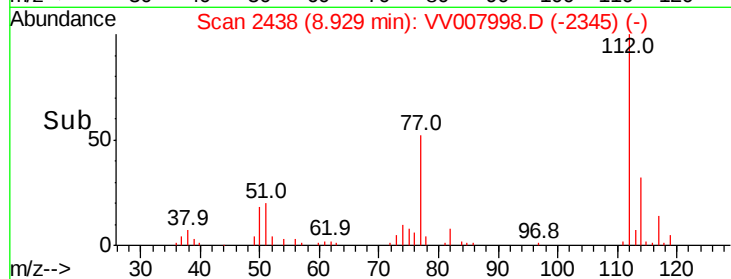
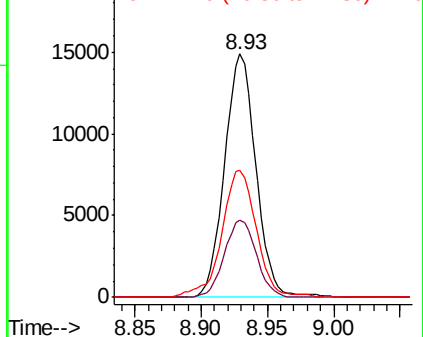
#51
Chlorobenzene
Concen: 1.323 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007998.D
Acq: 01 Oct 2018 16:43

Instrument :
MSVOA_V
ClientSampleId :
E62S5DL

Tot Ion:112 Resp: 24508
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 52.3 45.0 67.6

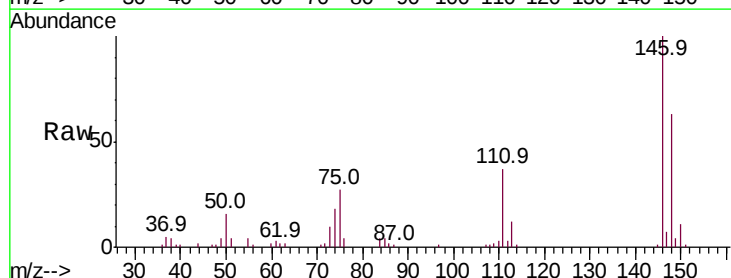


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

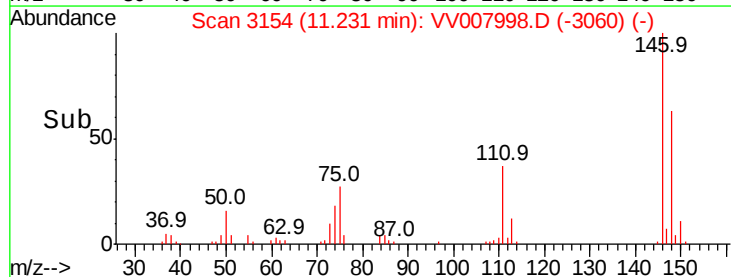
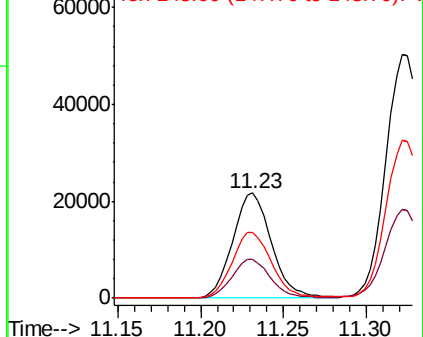


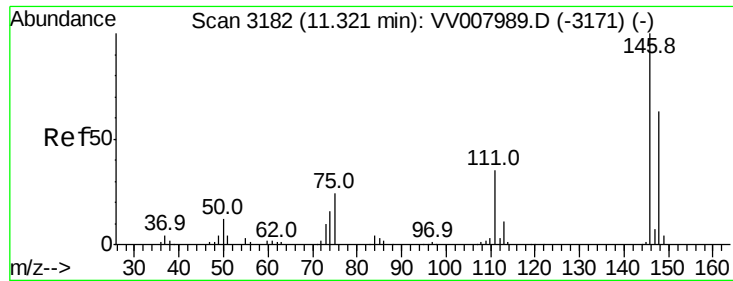
#62
1,3-Dichlorobenzene
Concen: 2.428 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VV007998.D
Acq: 01 Oct 2018 16:43

Tgt Ion:146 Resp: 35257
Ion Ratio Lower Upper
146 100
111 37.1 25.8 48.0
148 62.6 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 5.373 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007998.D

Acq: 01 Oct 2018 16:43

Instrument :

MSVOA_V

ClientSampleId :

E62S5DL

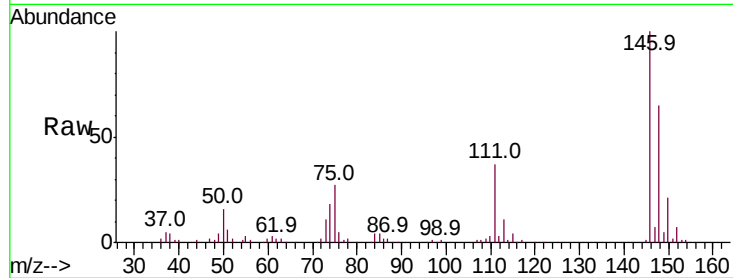
Tot Ion:146 Resp: 81121

Ion Ratio Lower Upper

146 100

111 36.5 25.3 47.1

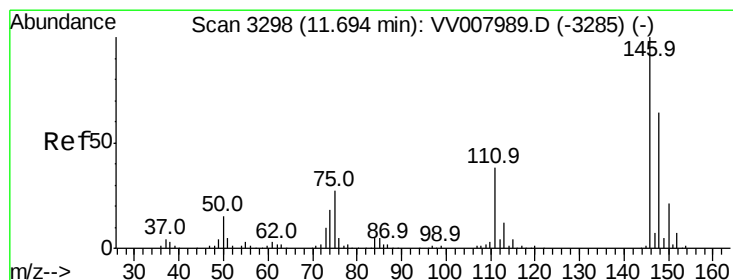
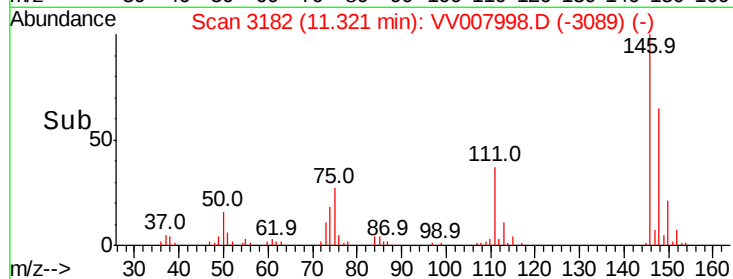
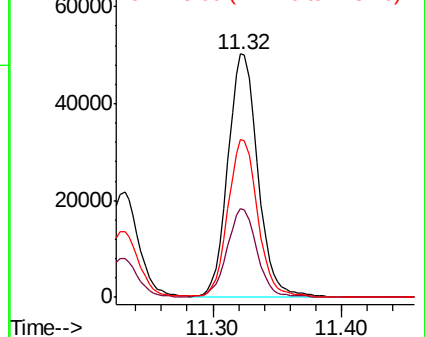
148 64.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 6.966 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007998.D

Acq: 01 Oct 2018 16:43

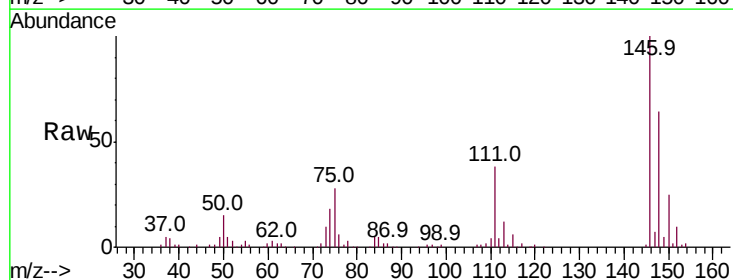
Tgt Ion:146 Resp: 95345

Ion Ratio Lower Upper

146 100

111 38.3 31.2 46.8

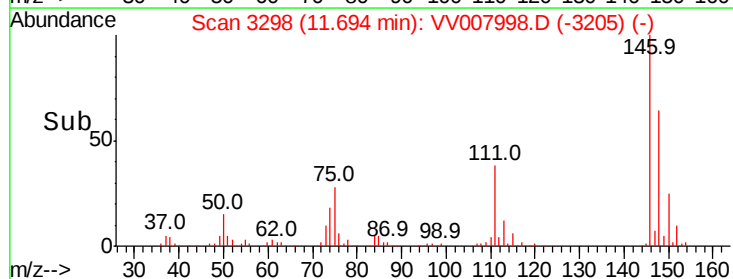
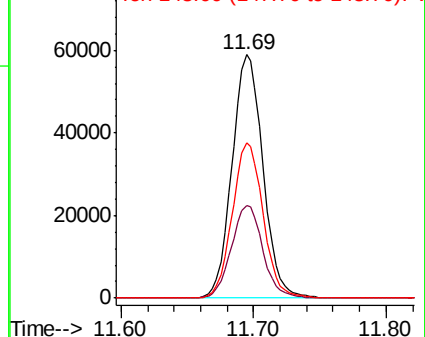
148 63.9 50.3 75.5

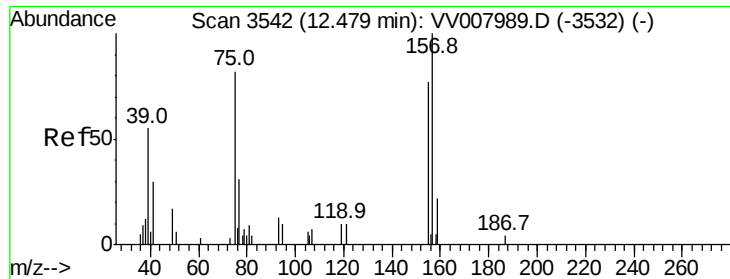


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

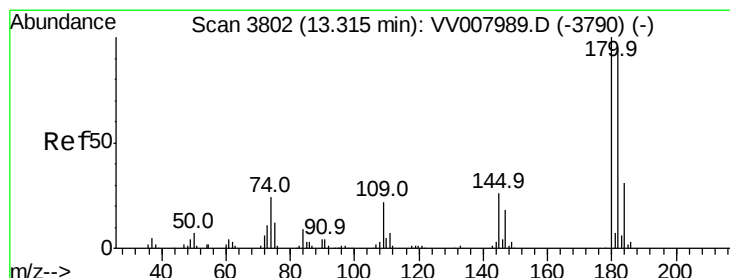
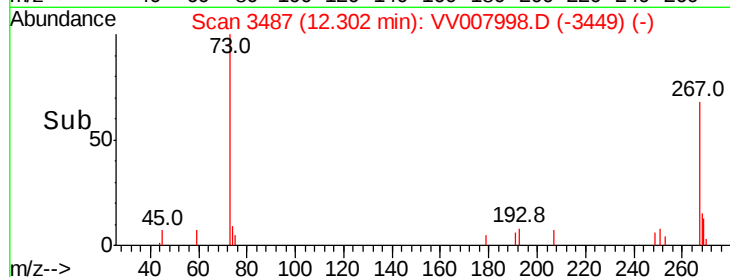
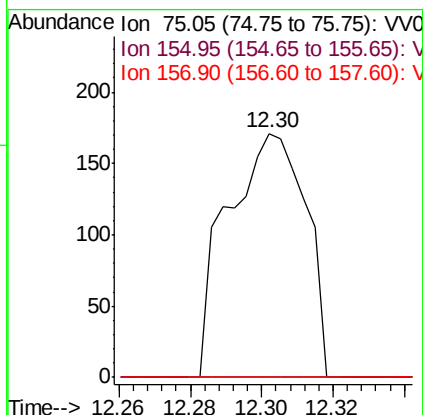
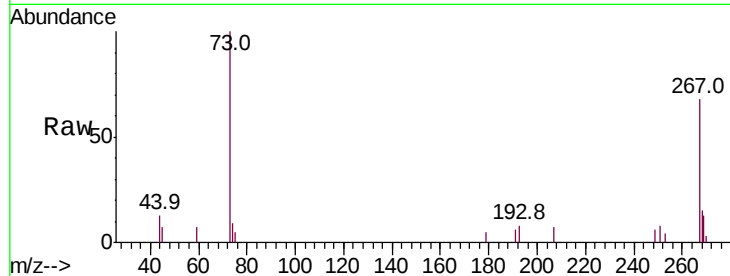




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.371 ug/L
 RT: 12.30 min Scan# 3487
 Delta R.T. -0.18 min
 Lab File: VV007998.D
 Acq: 01 Oct 2018 16:43

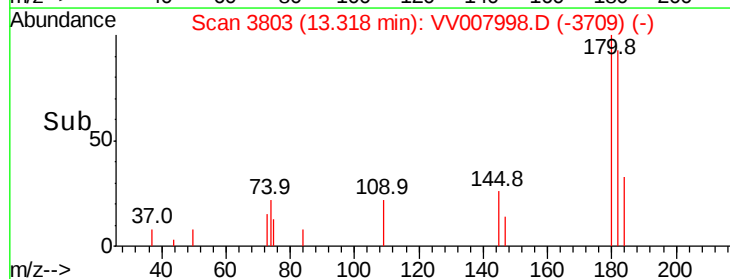
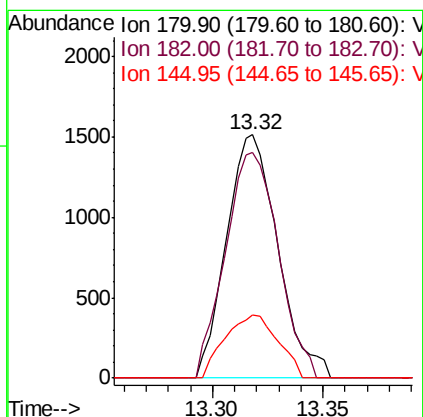
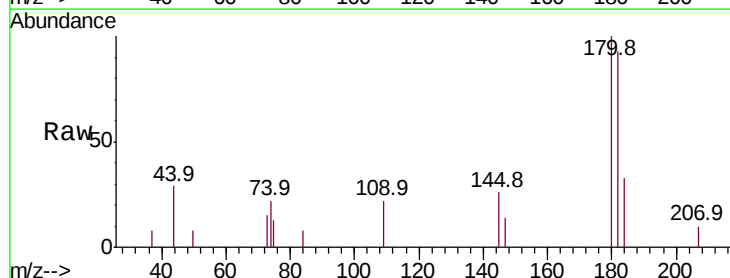
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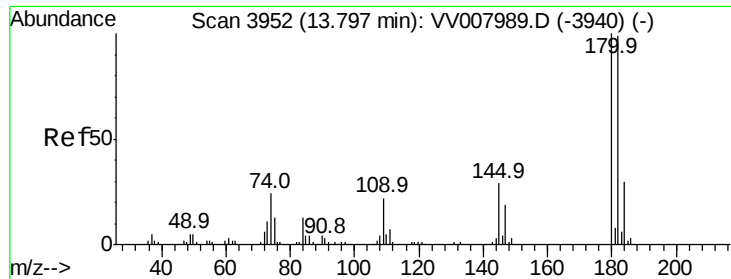
Tot Ion: 75 Resp: 259
 Ion Ratio Lower Upper
 75 100
 155 0.0 83.4 125.2#
 157 0.0 93.9 140.9#



#68
 1,2,4-trichlorobenzene
 Concen: 0.233 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007998.D
 Acq: 01 Oct 2018 16:43

Tgt Ion: 180 Resp: 2452
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 26.7 22.6 33.8





#70
 1,2,3-Trichlorobenzene
 Concen: 0.090 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. 0.00 min
 Lab File: VV007998.D
 Acq: 01 Oct 2018 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 E62S5DL

Tot Ion:180 Resp: 855
 Ion Ratio Lower Upper
 180 100
 182 98.4 75.7 113.5
 145 28.2 23.4 35.0

