

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008003.D
 Acq On : 01 Oct 2018 19:09
 Operator : SY/MD
 Sample : J5091-06DL 5X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E62T0DL

Quant Time: Oct 02 04:18:28 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	88438	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84822	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42459	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24035	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.59	69	19947	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	38023	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.98	46	67709	47.48	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.96%
24) Chloroform-d	4.41	84	57944	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.09	65	28612	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	102557	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.12	67	32037	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	96385	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.67	79	10986	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.14	63	48412	44.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.74%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23059	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	39975	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

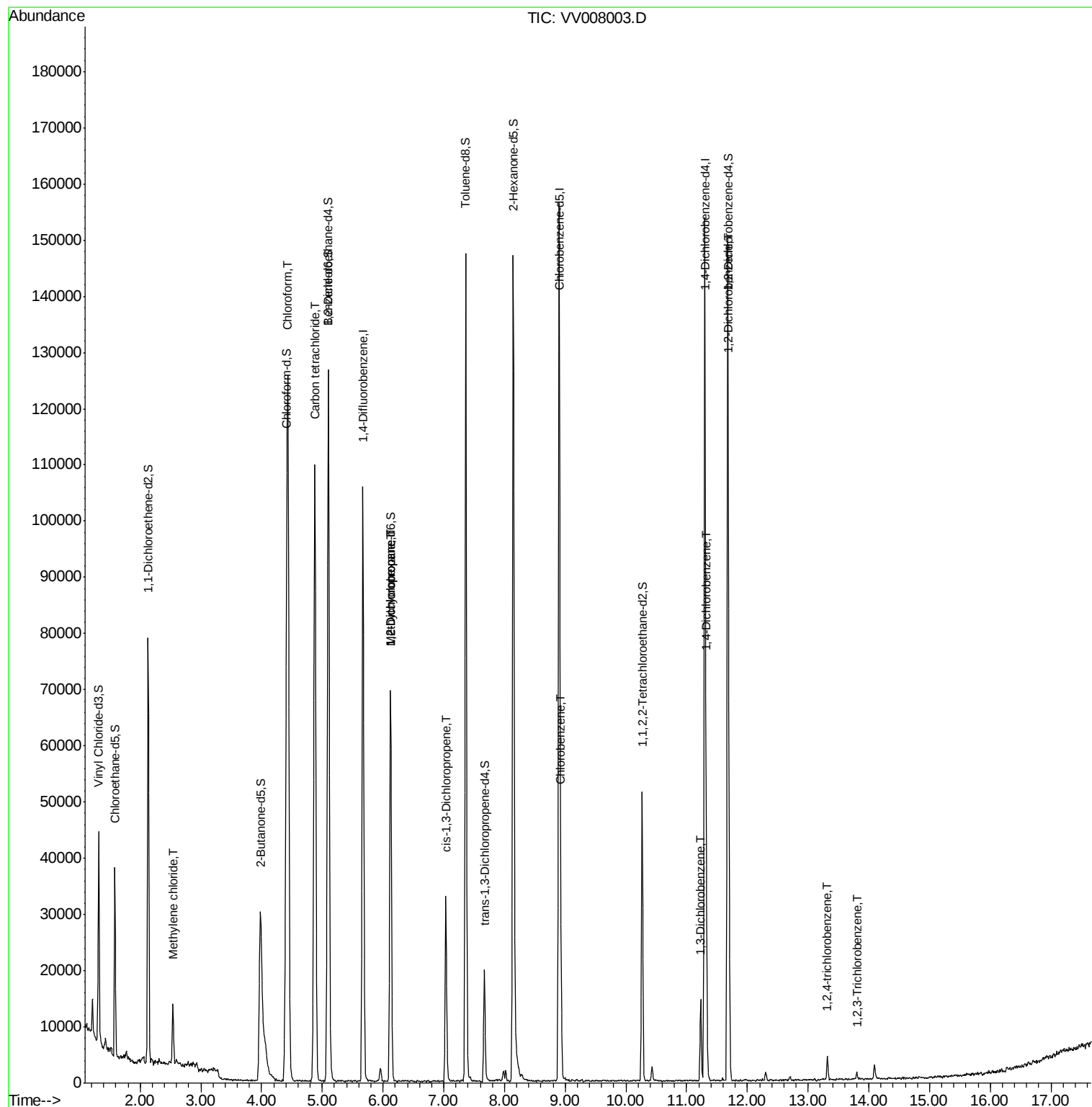
					Ovalue
16) Methylene chloride	2.54	84	4383	0.675	ug/L 95
25) Chloroform	4.43	83	107104	9.007	ug/L 99
31) Carbon tetrachloride	4.88	117	81044	9.013	ug/L 99
35) Methylcyclohexane	6.13	83	7841	0.752	ug/L # 18
37) 1,2-Dichloropropane	6.13	63	3570	0.575	ug/L # 87
39) cis-1,3-Dichloropropene	7.04	75	858	0.103	ug/L # 59
51) Chlorobenzene	8.93	112	12575	0.688	ug/L 96
62) 1,3-Dichlorobenzene	11.23	146	6677	0.476	ug/L 96
63) 1,4-Dichlorobenzene	11.32	146	11122	0.763	ug/L 97
65) 1,2-Dichlorobenzene	11.69	146	14468	1.095	ug/L 95
68) 1,2,4-trichlorobenzene	13.32	180	1787	0.176	ug/L 96
70) 1,2,3-Trichlorobenzene	13.80	180	557	0.061	ug/L # 82

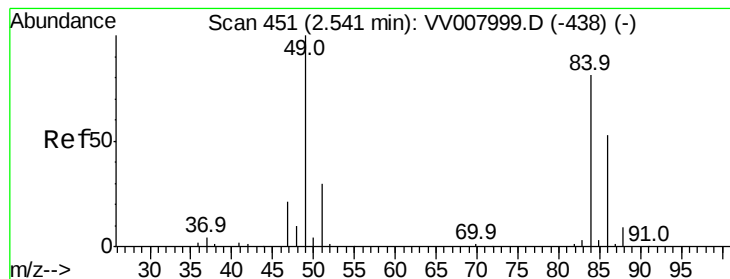
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 02 04:17:24 2018
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.675 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV008003.D

Acq: 01 Oct 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

E62T0DL

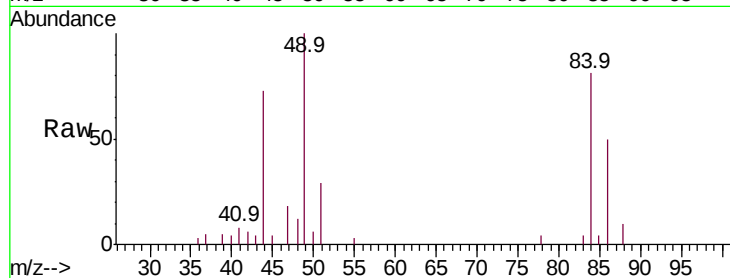
Tot Ion: 84 Resp: 4383

Ion Ratio Lower Upper

84 100

86 62.3 47.3 87.8

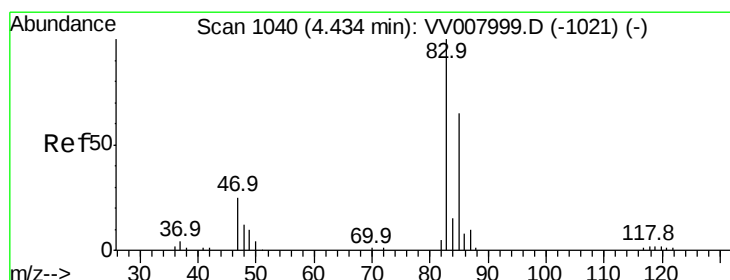
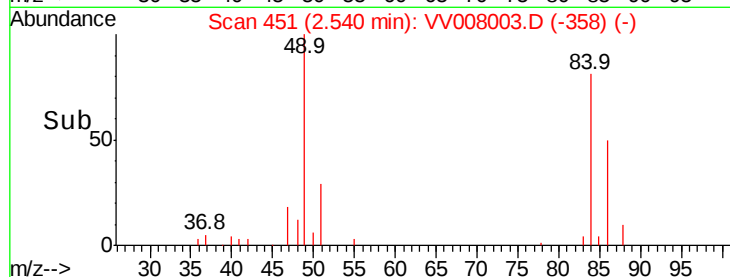
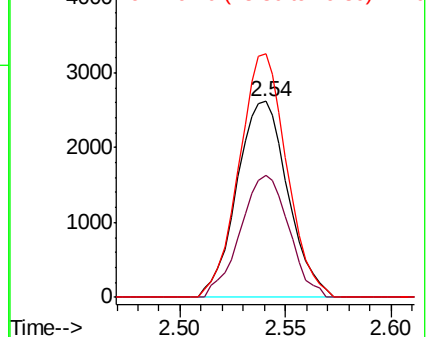
49 124.2 90.0 167.2



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



#25

Chloroform

Concen: 9.007 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VV008003.D

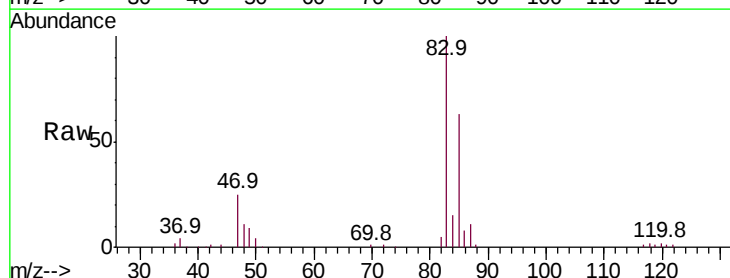
Acq: 01 Oct 2018 19:09

Tgt Ion: 83 Resp: 107104

Ion Ratio Lower Upper

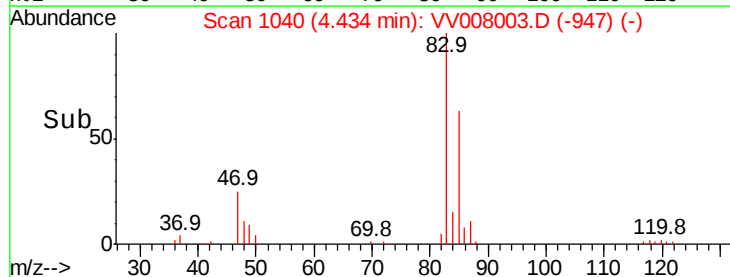
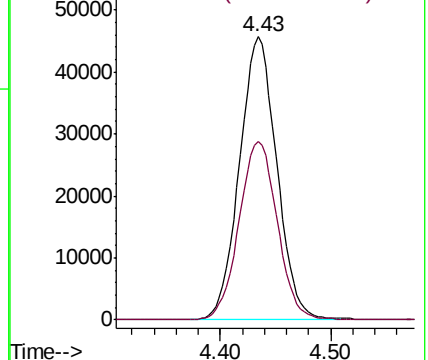
83 100

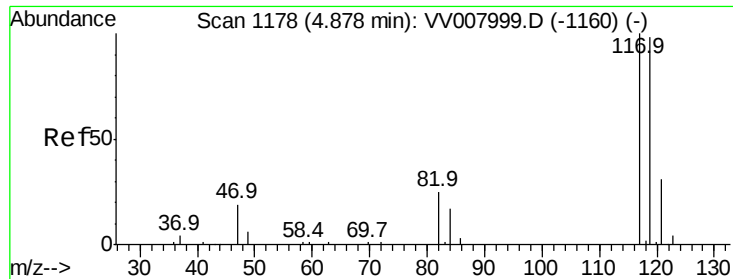
85 62.9 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

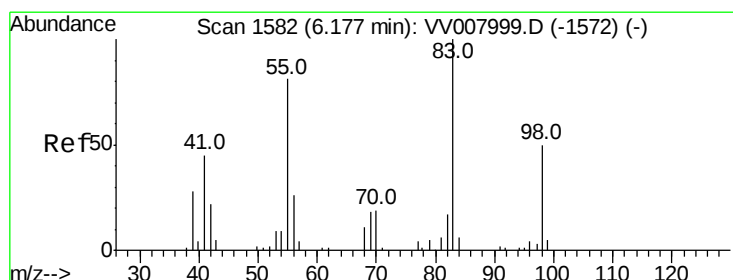
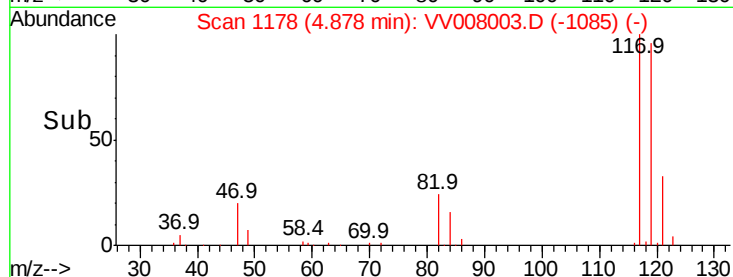
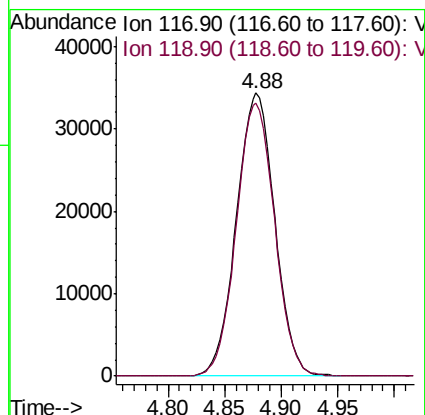
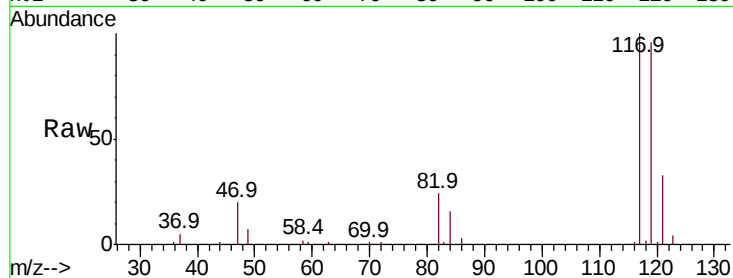




#31
Carbon tetrachloride
Concen: 9.013 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV008003.D
Acq: 01 Oct 2018 19:09

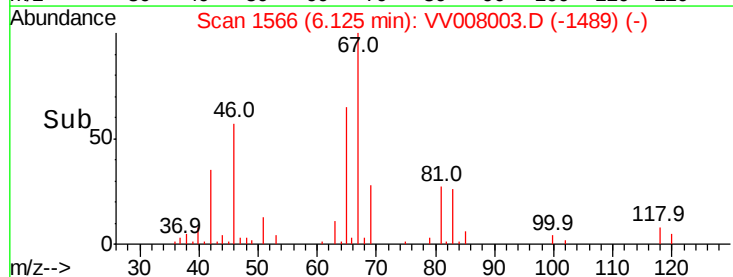
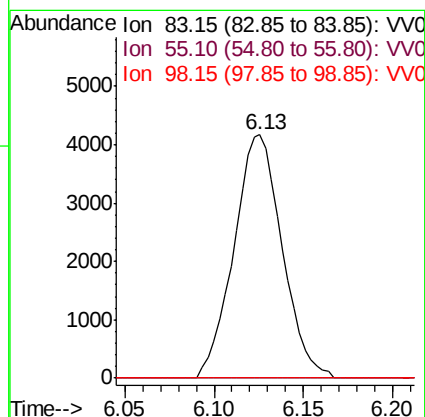
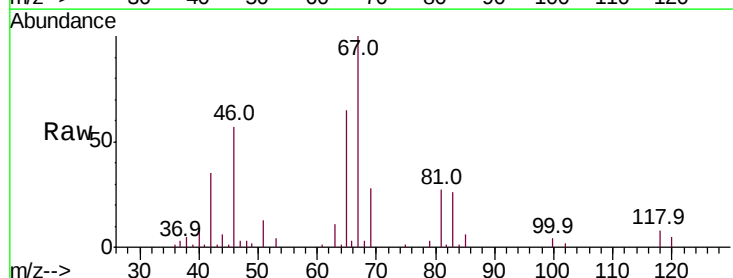
Instrument :
MSVOA_V
ClientSampleId :
E62T0DL

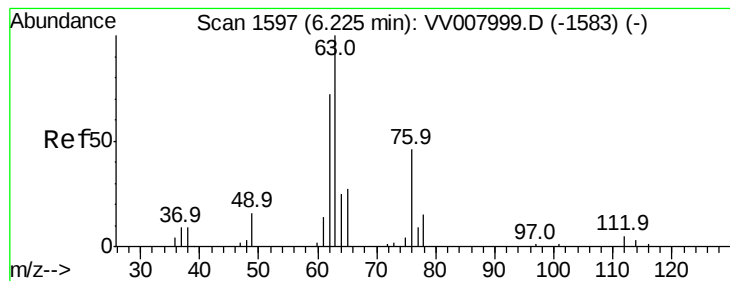
Tot Ion:117 Resp: 81044
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8



#35
Methylcyclohexane
Concen: 0.752 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008003.D
Acq: 01 Oct 2018 19:09

Tgt Ion: 83 Resp: 7841
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.3 38.0 57.0#





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV008003.D

Acq: 01 Oct 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

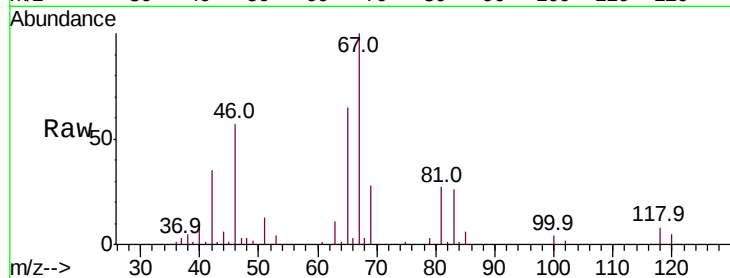
E62T0DL

Tot Ion: 63 Resp: 3570

Ion Ratio Lower Upper

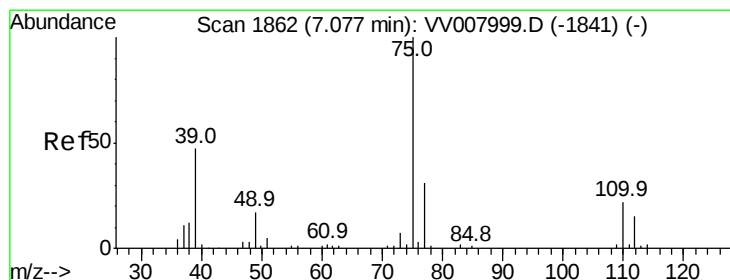
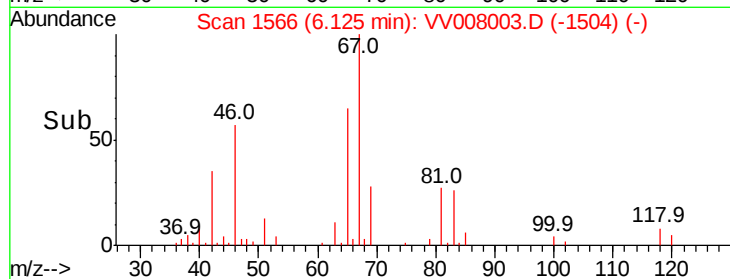
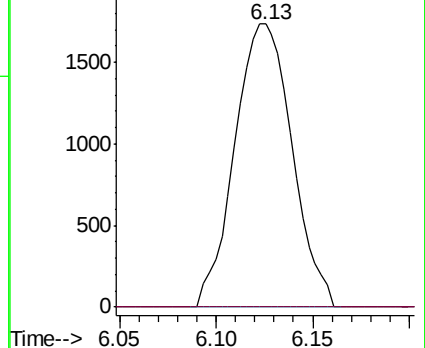
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008003.D

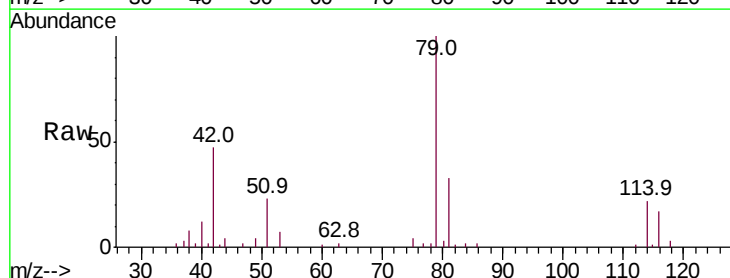
Acq: 01 Oct 2018 19:09

Tgt Ion: 75 Resp: 858

Ion Ratio Lower Upper

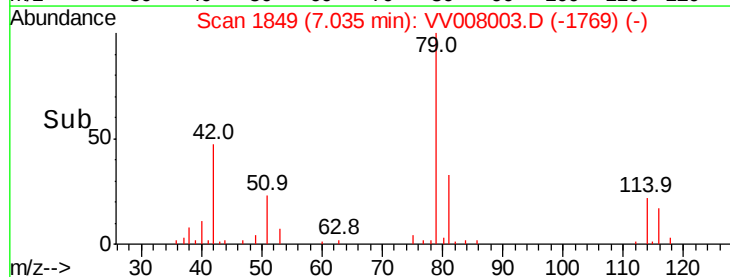
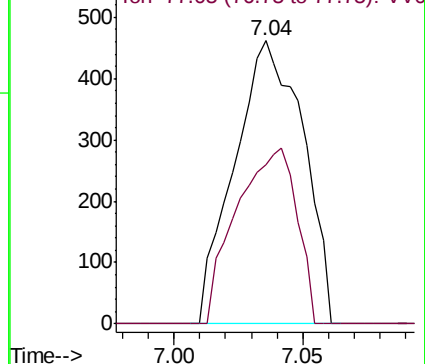
75 100

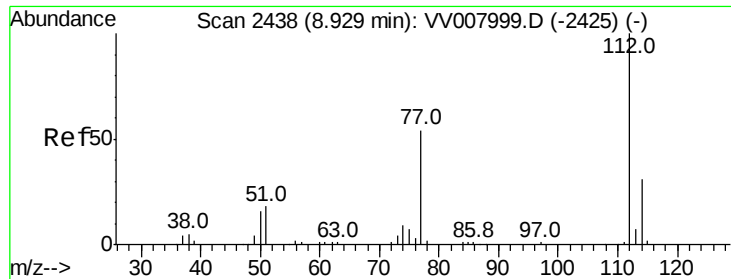
77 56.1 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

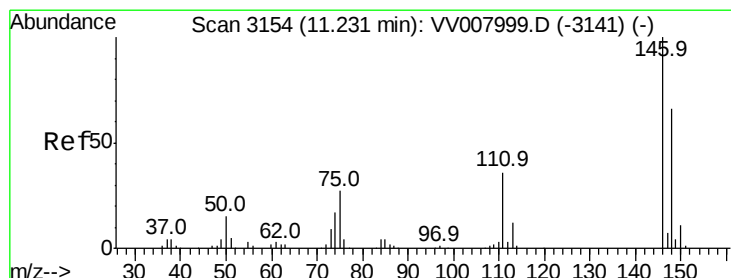
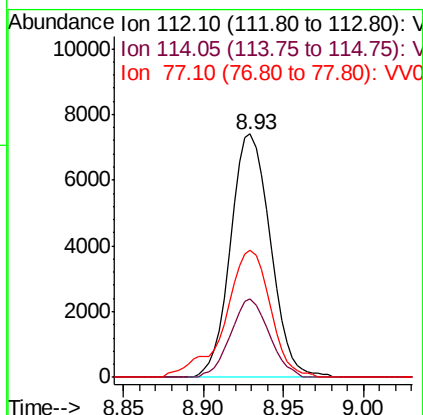
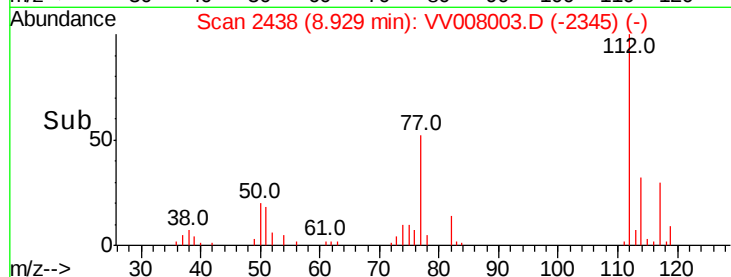
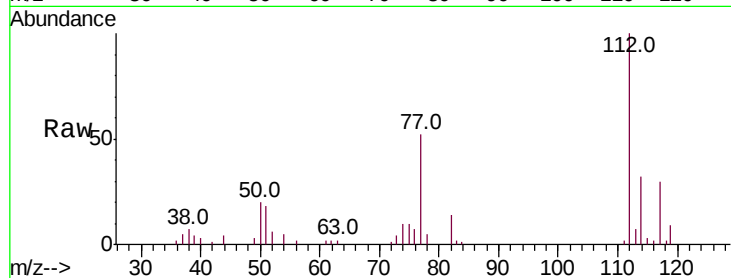




#51
Chlorobenzene
Concen: 0.688 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008003.D
Acq: 01 Oct 2018 19:09

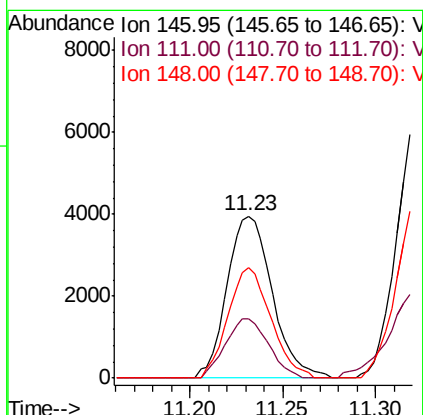
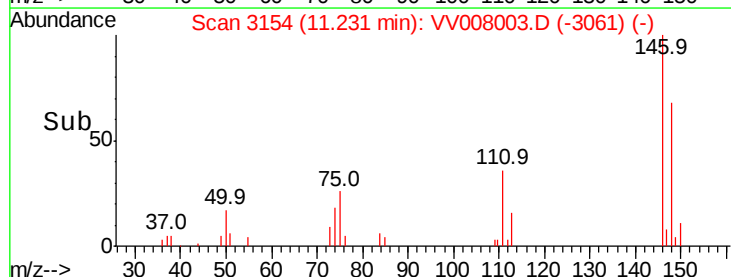
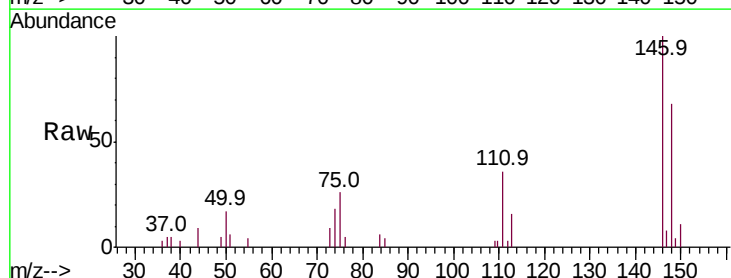
Instrument :
MSVOA_V
ClientSampleId :
E62T0DL

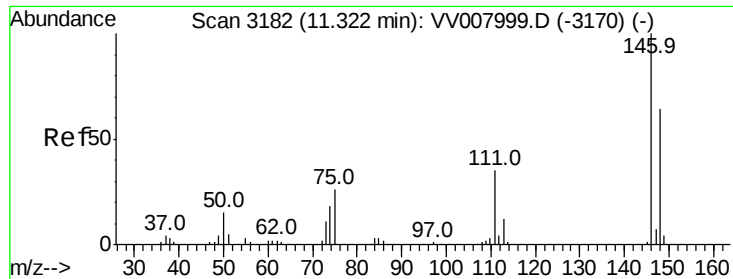
Tot Ion:112 Resp: 12575
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 52.3 45.0 67.6



#62
1,3-Dichlorobenzene
Concen: 0.476 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. -0.00 min
Lab File: VV008003.D
Acq: 01 Oct 2018 19:09

Tgt Ion:146 Resp: 6677
Ion Ratio Lower Upper
146 100
111 36.4 25.8 48.0
148 68.5 44.7 82.9





#63

1,4-Dichlorobenzene

Concen: 0.763 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV008003.D

Acq: 01 Oct 2018 19:09

Instrument :

MSVOA_V

ClientSampled :

E62T0DL

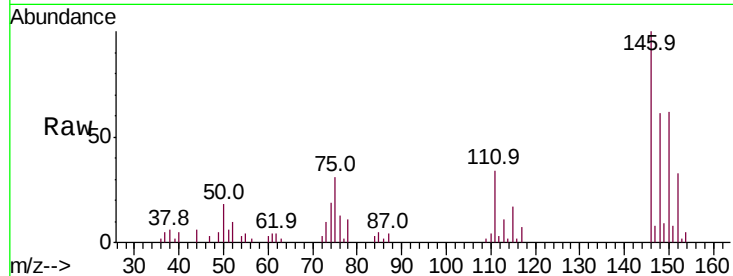
Tot Ion:146 Resp: 11122

Ion Ratio Lower Upper

146 100

111 33.7 25.3 47.1

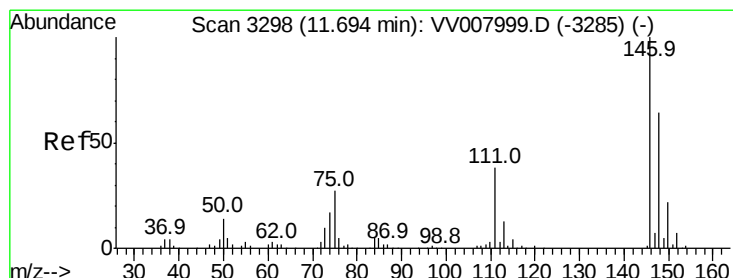
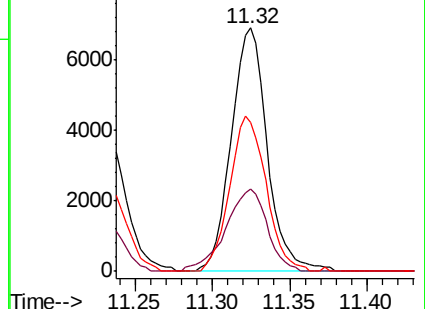
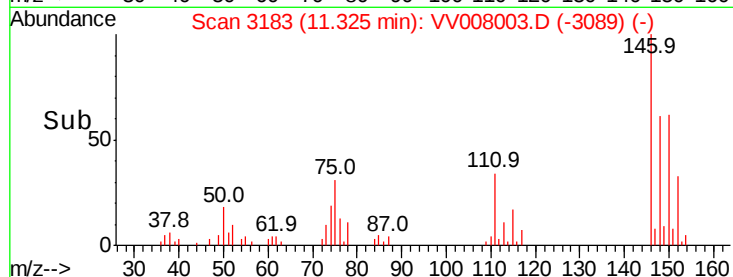
148 61.4 44.7 82.9



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: 1.095 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008003.D

Acq: 01 Oct 2018 19:09

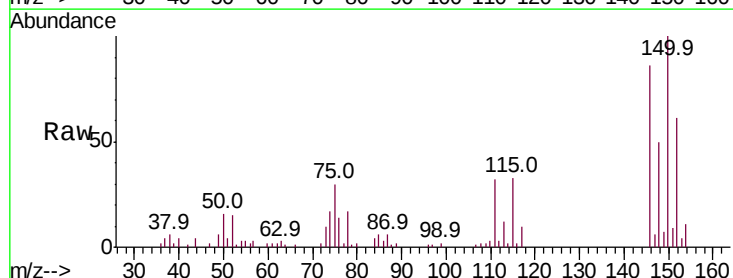
Tgt Ion:146 Resp: 14468

Ion Ratio Lower Upper

146 100

111 36.7 31.2 46.8

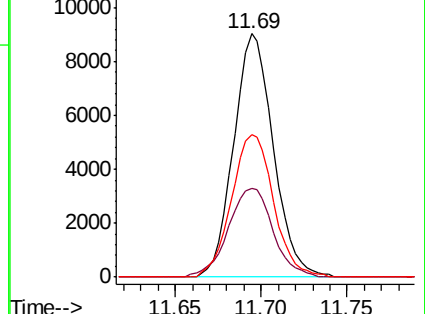
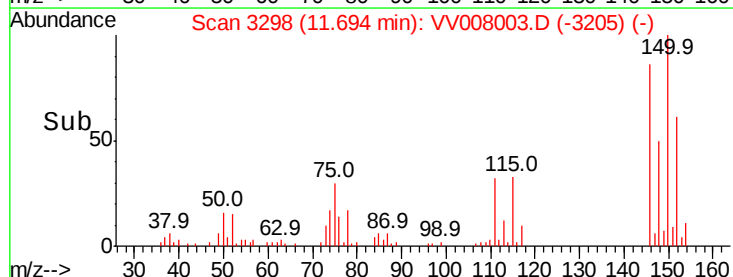
148 58.7 50.3 75.5

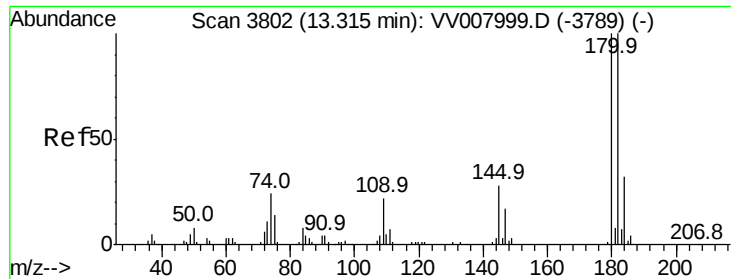


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

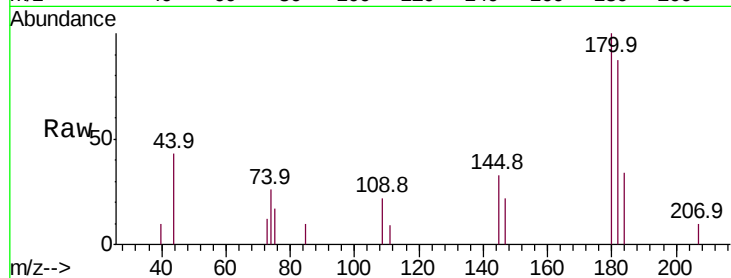




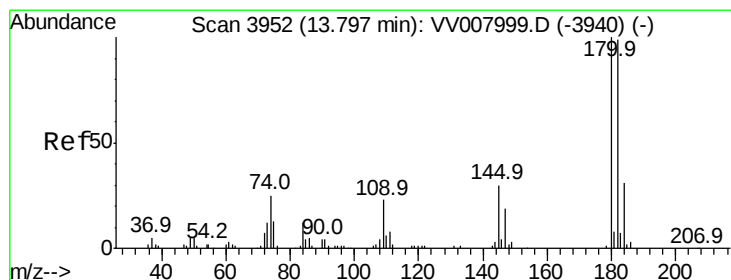
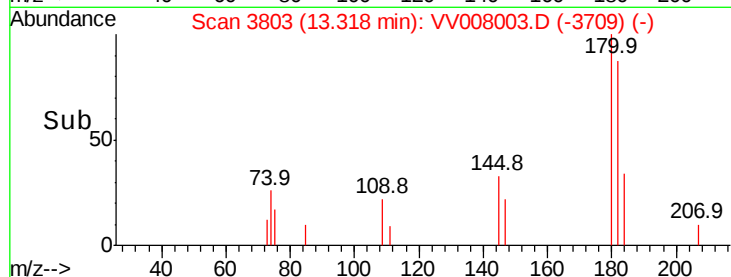
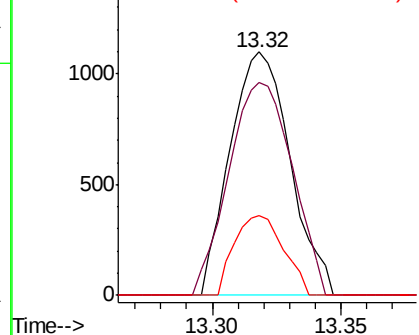
#68
 1,2,4-trichlorobenzene
 Concen: 0.176 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV008003.D
 Acq: 01 Oct 2018 19:09

Instrument :
 MSVOA_V
 ClientSampled :
 E62T0DL

Tot Ion:180 Resp: 1787
 Ion Ratio Lower Upper
 180 100
 182 92.3 77.4 116.2
 145 26.9 22.6 33.8

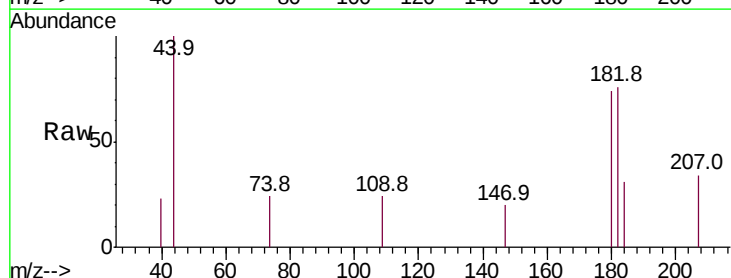


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.061 ug/L
 RT: 13.80 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VV008003.D
 Acq: 01 Oct 2018 19:09

Tgt Ion:180 Resp: 557
 Ion Ratio Lower Upper
 180 100
 182 102.9 75.7 113.5
 145 3.9 23.4 35.0#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

