

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007961.D
 Acq On : 28 Sep 2018 19:01
 Operator : SY/MD
 Sample : J5062-06
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC06

Quant Time: Oct 01 01:54:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 01:51:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90494	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46199	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19548	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	18170	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.13	63	32410	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.99	46	61570	42.19	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.38%
24) Chloroform-d	4.41	84	48909	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.09	65	26342	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.10	84	92976	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.12	67	30024	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.36	98	86524	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	7.67	79	8983	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.14	63	55435	48.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.36%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21878	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	40085	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

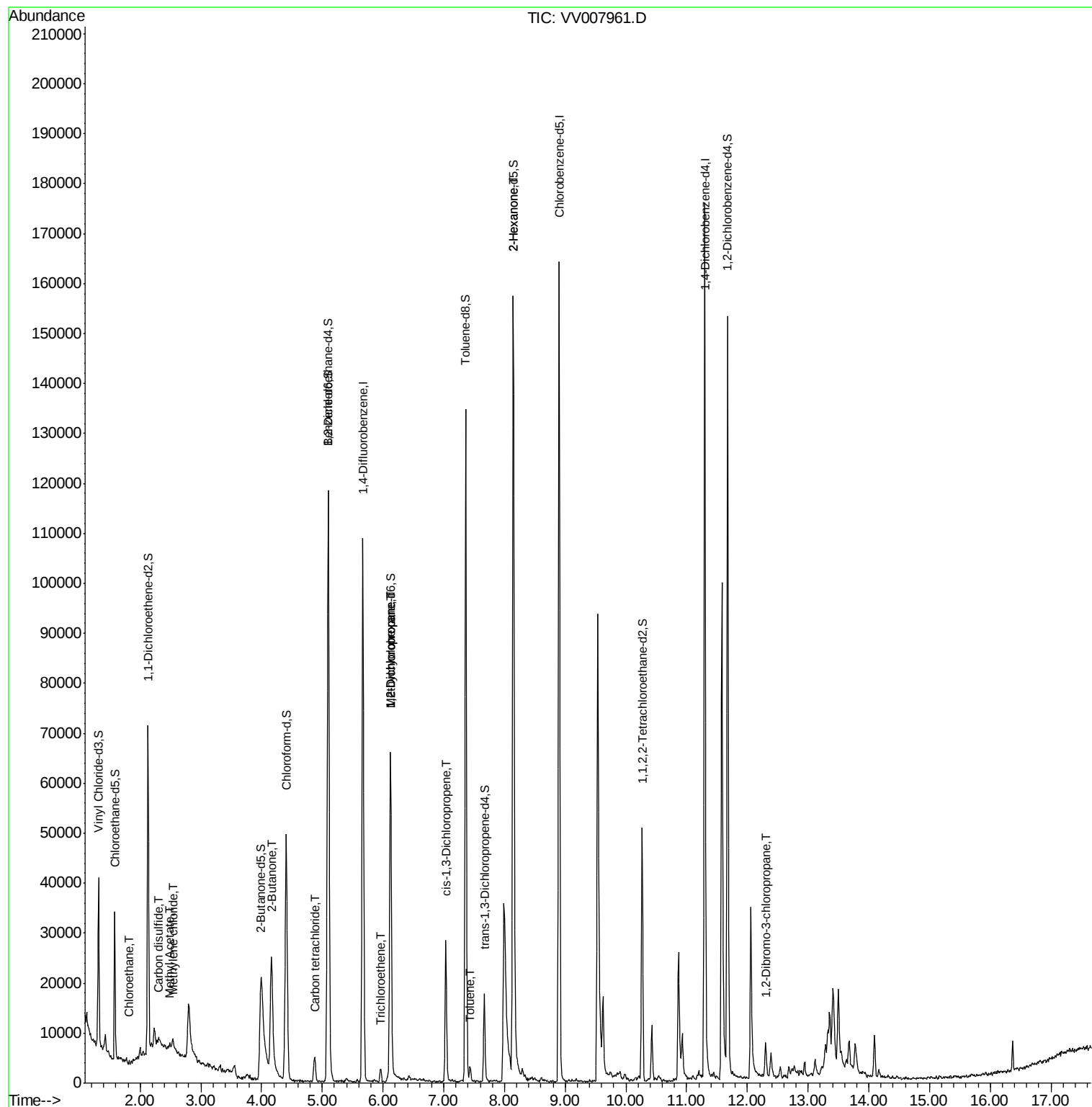
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.83	64	355	0.081	ug/L #	42
14) Carbon disulfide	2.32	76	1318	0.081	ug/L #	47
15) Methyl Acetate	2.48	43	1442	0.530	ug/L #	77
16) Methylene chloride	2.54	84	776	0.117	ug/L	71
21) 2-Butanone	4.16	43	43384	25.613	ug/L #	50
31) Carbon tetrachloride	4.87	117	3762	0.397	ug/L	96
34) Trichloroethene	5.96	95	966	0.132	ug/L	88
35) Methylcyclohexane	6.12	83	7514	0.683	ug/L #	23
37) 1,2-Dichloropropane	6.13	63	3544	0.542	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	793	0.091	ug/L	85
42) Toluene	7.43	91	2144	0.077	ug/L	86
48) 2-Hexanone	8.14	43	6815	2.386	ug/L #	75
66) 1,2-Dibromo-3-chloropropan	12.30	75	123	0.168	ug/L #	1

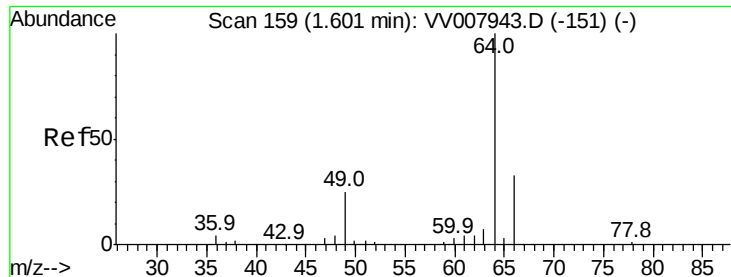
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092818\
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Quant Time: Oct 01 01:54:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 01:51:53 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.081 ug/L

RT: 1.83 min Scan# 230

Delta R.T. 0.23 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

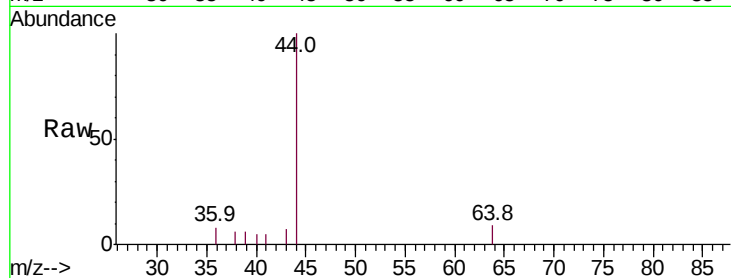
GAC06

Tot Ion: 64 Resp: 355

Ion Ratio Lower Upper

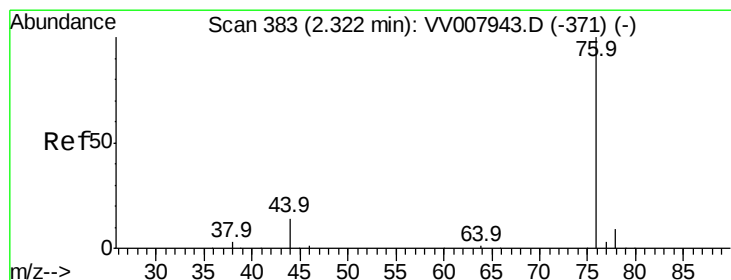
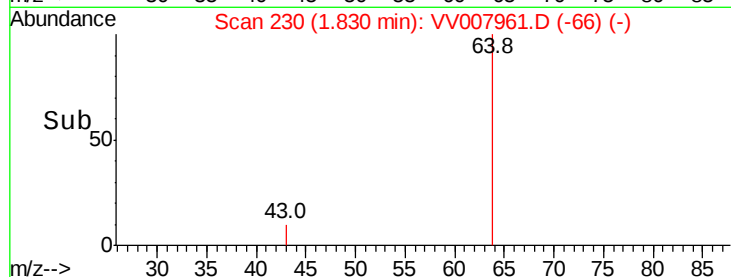
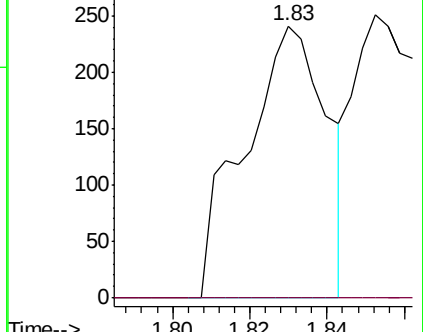
64 100

66 0.0 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV007961.D (-230) (-)

Ion 66.05 (65.75 to 66.75): VV007961.D (-230) (-)



#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VV007961.D

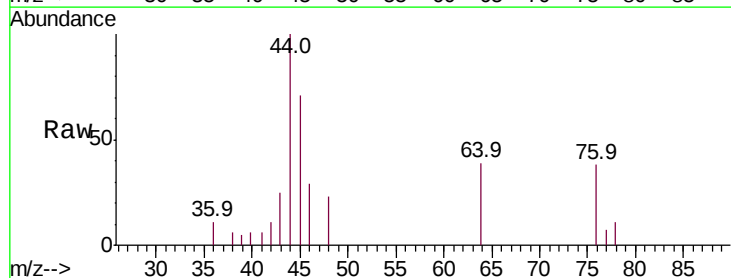
Acq: 28 Sep 2018 19:01

Tgt Ion: 76 Resp: 1318

Ion Ratio Lower Upper

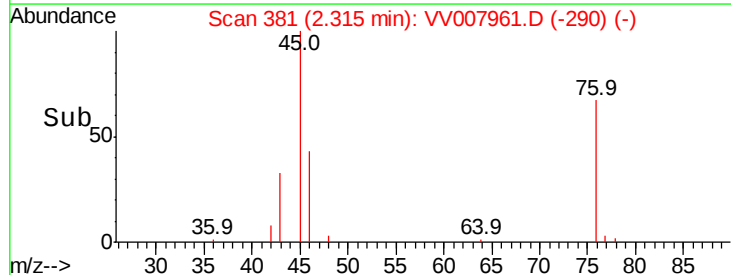
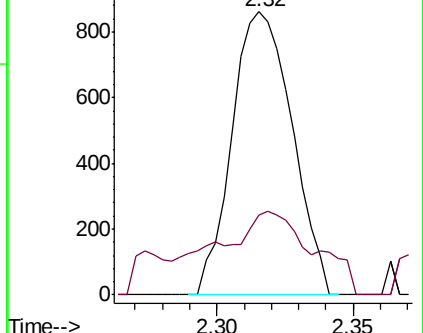
76 100

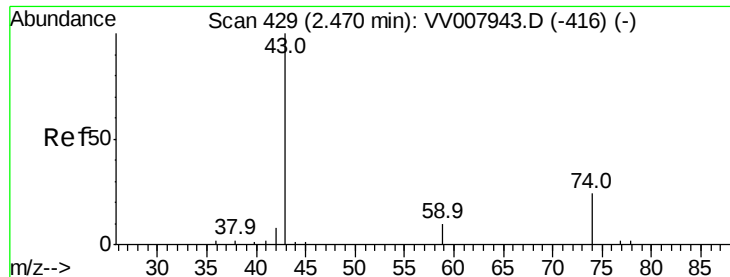
78 28.3 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV007961.D (-381) (-)

Ion 78.00 (77.70 to 78.70): VV007961.D (-381) (-)

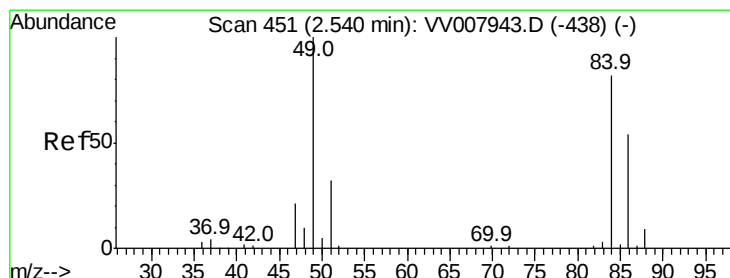
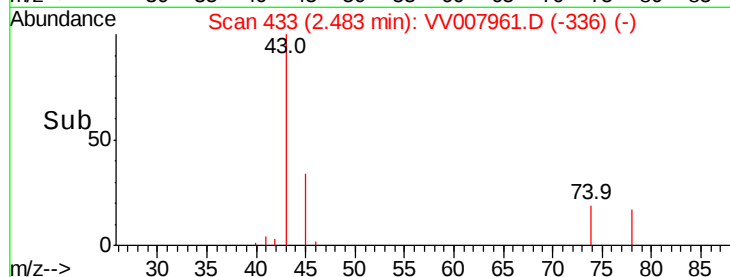
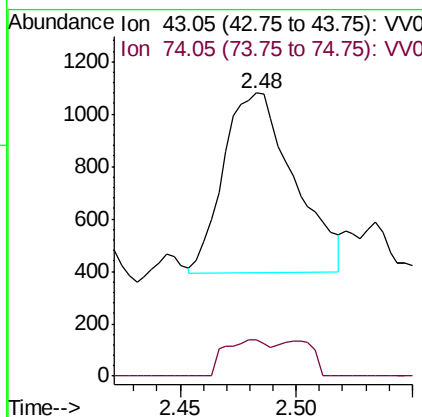
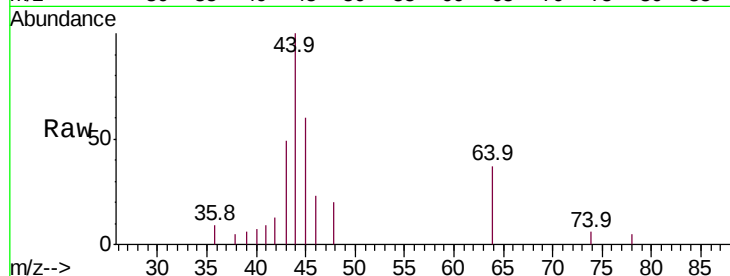




#15
Methvl Acetate
Concen: 0.530 ug/L
RT: 2.48 min Scan# 433
Delta R.T. 0.01 min
Lab File: VV007961.D
Acq: 28 Sep 2018 19:01

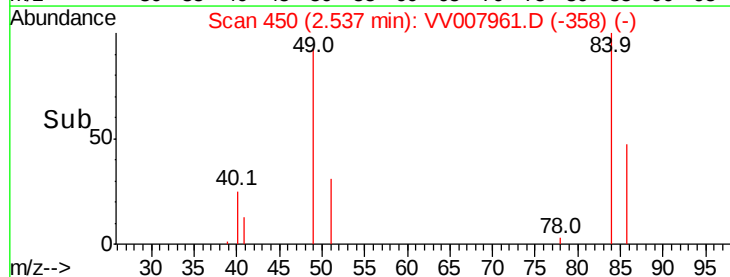
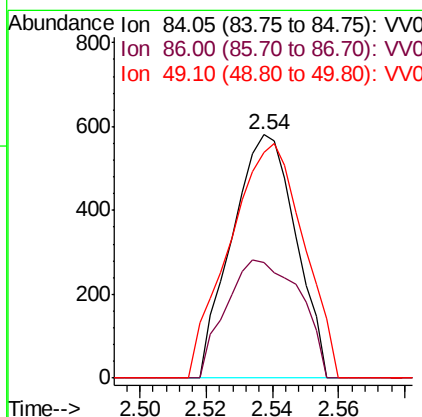
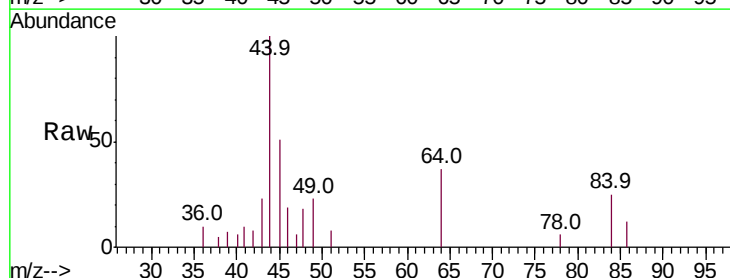
Instrument :
MSVOA_V
ClientSampled :
GAC06

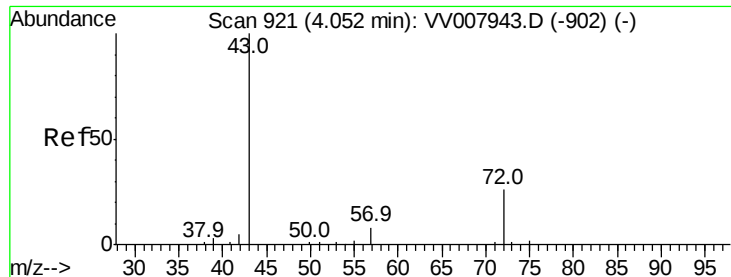
Tot Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
74 13.0 19.5 29.3#



#16
Methylene chloride
Concen: 0.117 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007961.D
Acq: 28 Sep 2018 19:01

Tgt Ion: 84 Resp: 776
Ion Ratio Lower Upper
84 100
86 47.3 47.3 87.8
49 92.8 90.0 167.2





#21

2-Butanone

Concen: 25.613 ug/L

RT: 4.16 min Scan# 955

Delta R.T. 0.11 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

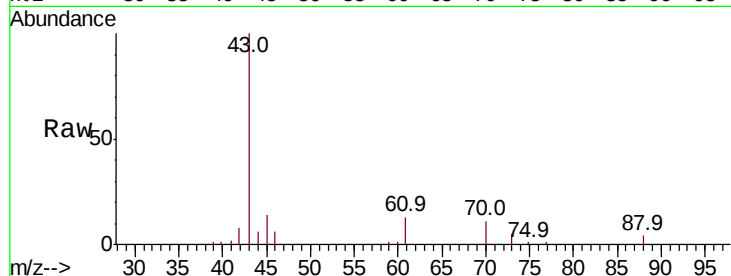
GAC06

Tot Ion: 43 Resp: 43384

Ion Ratio Lower Upper

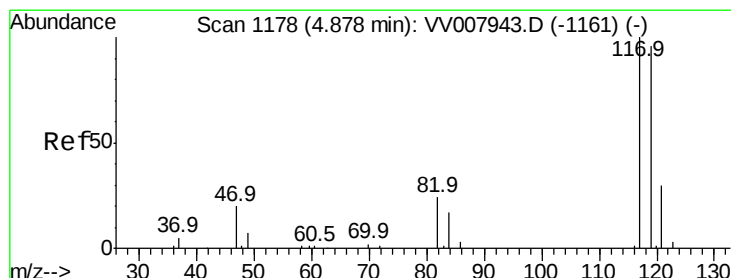
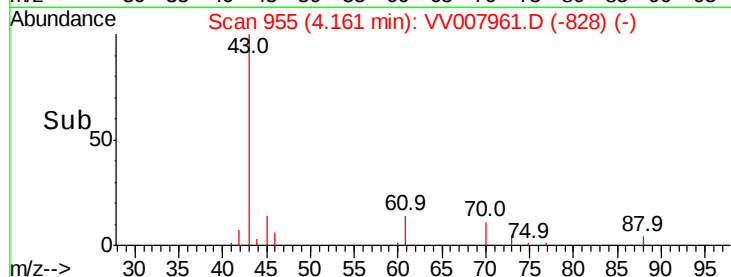
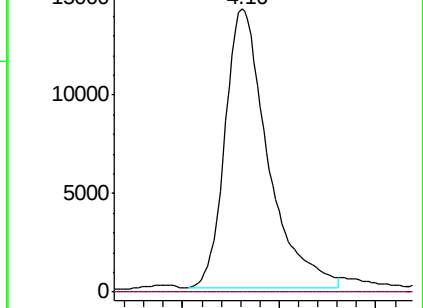
43 100

72 0.0 12.5 37.5#



Abundance Ion 43.05 (42.75 to 43.75): VV007961.D (-955) (-)

Ion 72.10 (71.80 to 72.80): VV007961.D (-955) (-)



#31

Carbon tetrachloride

Concen: 0.397 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV007961.D

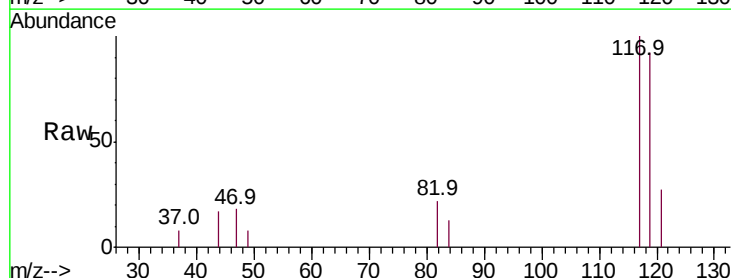
Acq: 28 Sep 2018 19:01

Tgt Ion: 117 Resp: 3762

Ion Ratio Lower Upper

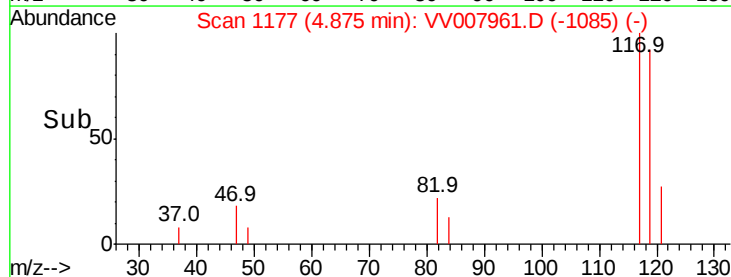
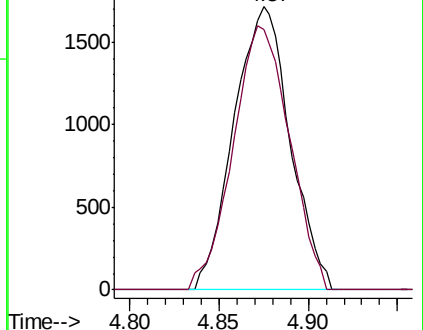
117 100

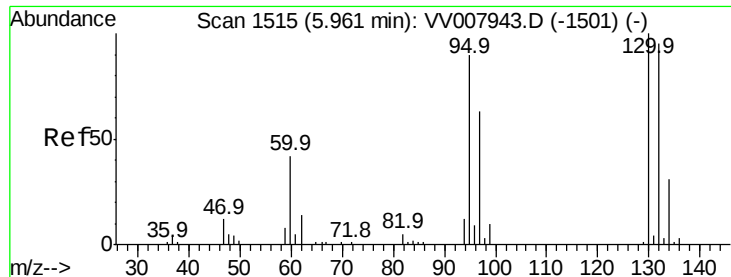
119 93.4 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): VV007961.D (-1177) (-)

Ion 118.90 (118.60 to 119.60): VV007961.D (-1177) (-)





#34

Trichloroethene

Concen: 0.132 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

GAC06

Tot Ion: 95 Resp: 966

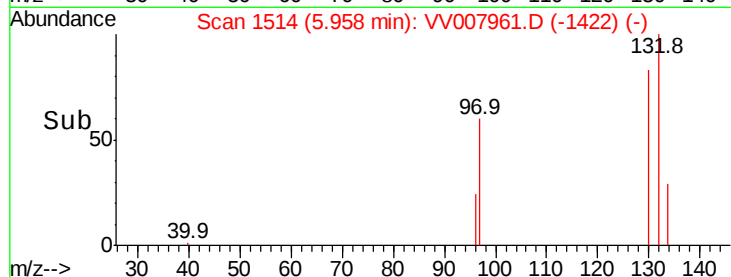
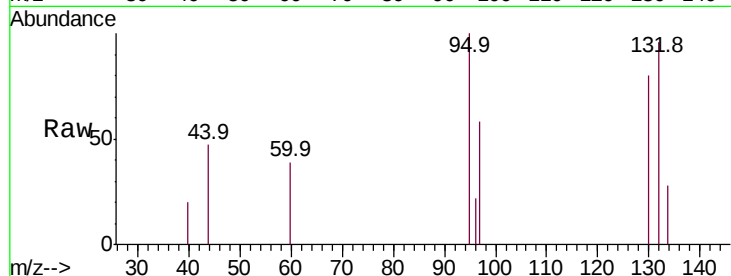
Ion Ratio Lower Upper

95 100

97 57.8 43.6 81.0

132 95.5 69.9 129.9

130 79.7 71.7 133.3

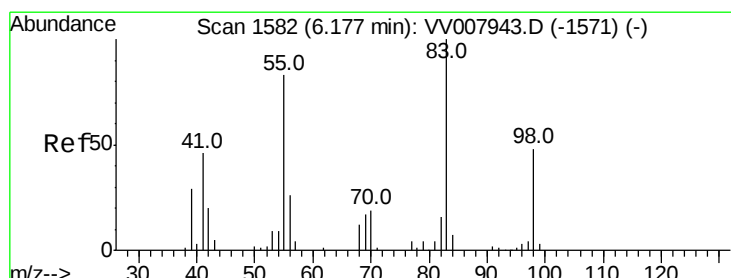
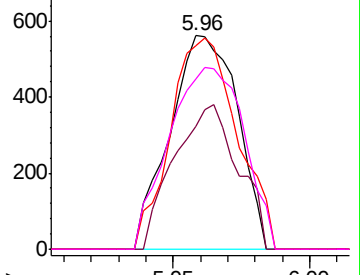


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.683 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

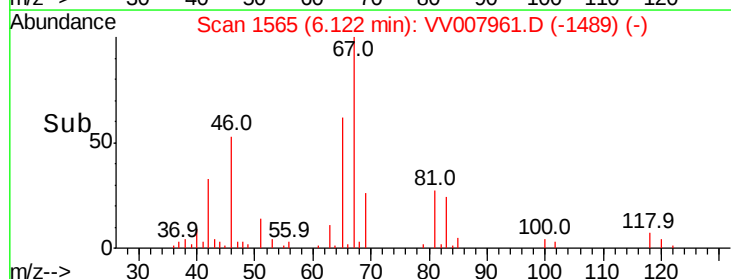
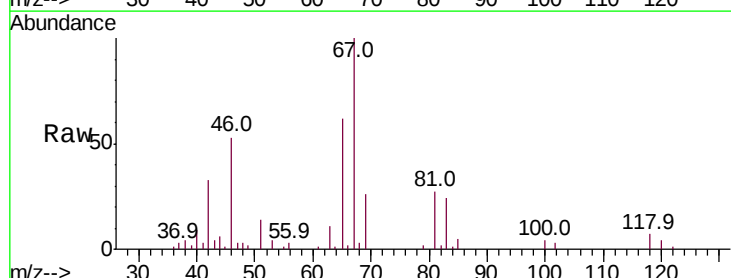
Tgt Ion: 83 Resp: 7514

Ion Ratio Lower Upper

83 100

55 6.9 62.2 93.2#

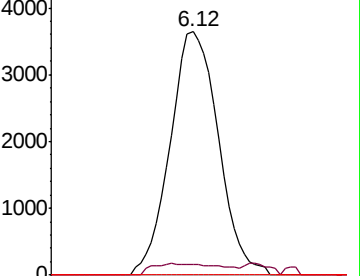
98 0.0 38.0 57.0#

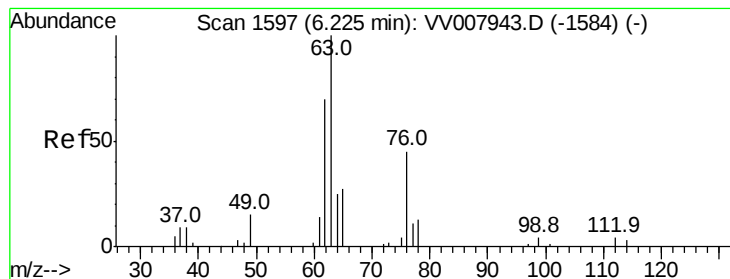


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.542 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

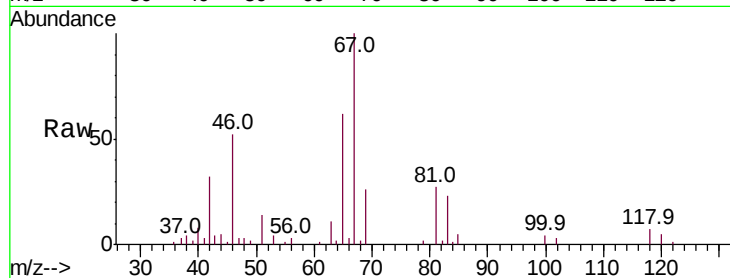
GAC06

Tot Ion: 63 Resp: 3544

Ion Ratio Lower Upper

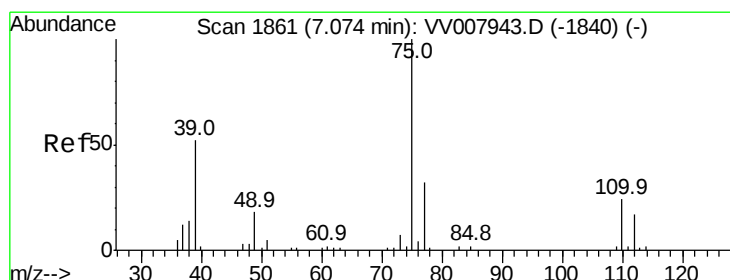
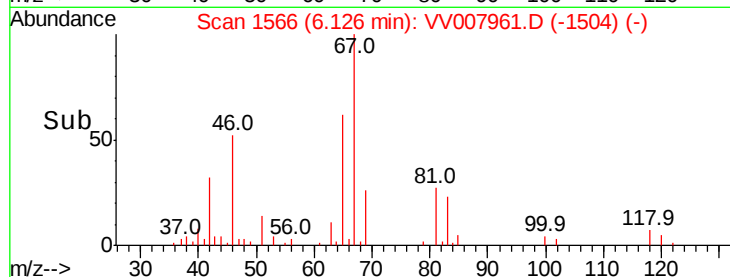
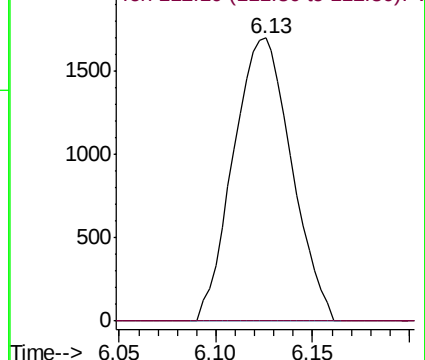
63 100

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: 0.091 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.04 min

Lab File: VV007961.D

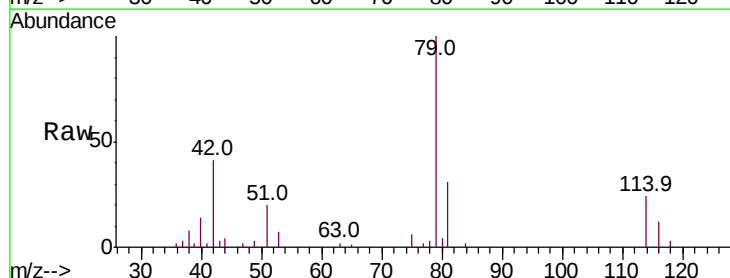
Acq: 28 Sep 2018 19:01

Tgt Ion: 75 Resp: 793

Ion Ratio Lower Upper

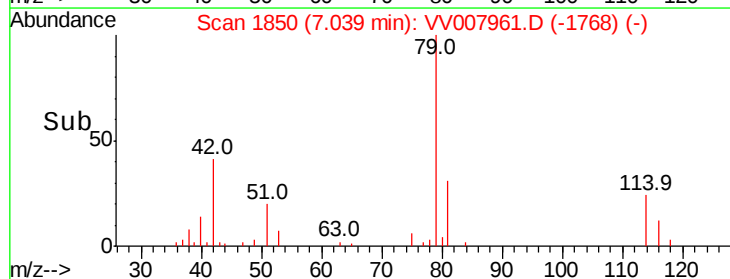
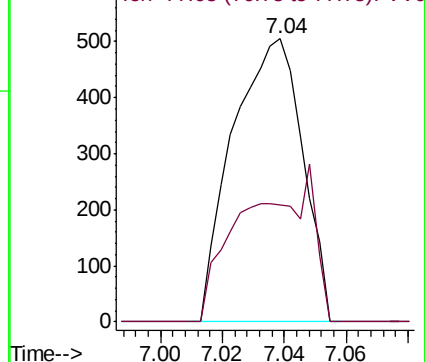
75 100

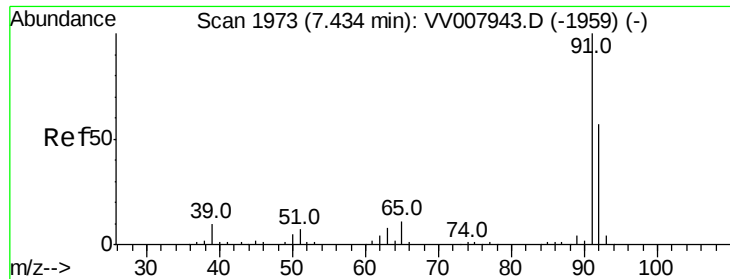
77 41.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#42

Toluene

Concen: 0.077 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

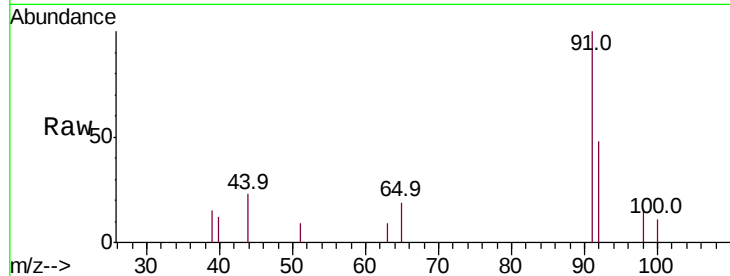
GAC06

Tot Ion: 91 Resp: 2144

Ion Ratio Lower Upper

91 100

92 48.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007943.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007943.D (-1959) (-)

7.43

1500

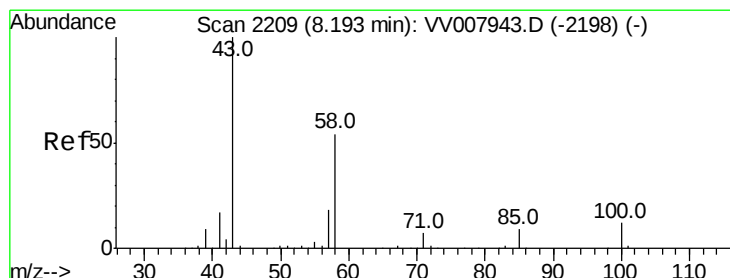
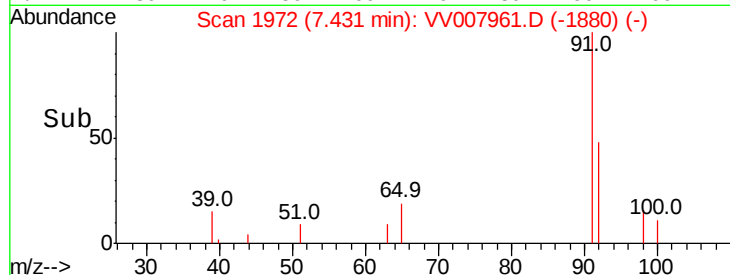
1000

500

0

7.40 7.45

Time-->



#48

2-Hexanone

Concen: 2.386 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Tgt Ion: 43 Resp: 6815

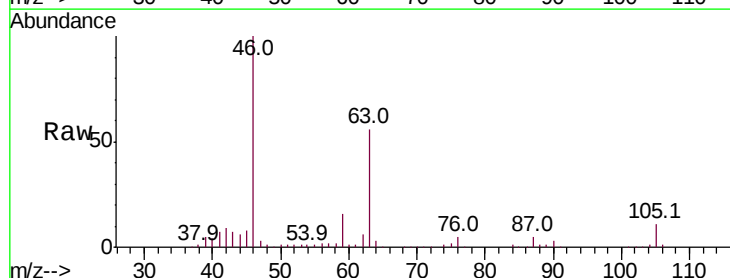
Ion Ratio Lower Upper

43 100

58 34.7 41.9 62.9#

57 28.5 14.3 21.5#

100 1.1 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV007943.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV007943.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV007943.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV007943.D (-2198) (-)

8.14

6000

5000

4000

3000

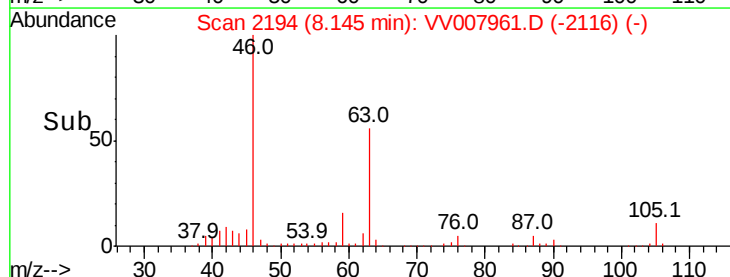
2000

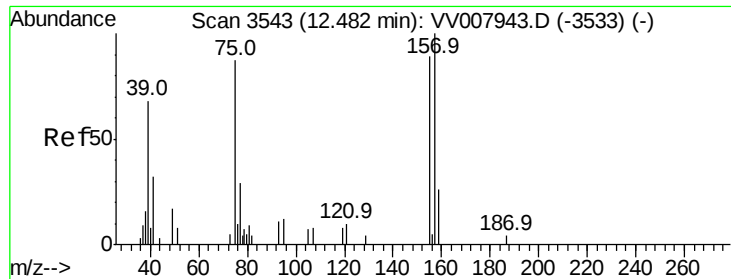
1000

0

8.10 8.15 8.20

Time-->





#66

1,2-Dibromo-3-chloropropane

Concen: 0.168 ug/L

RT: 12.30 min Scan# 3485

Delta R.T. -0.19 min

Lab File: VV007961.D

Acq: 28 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

GAC06

Tot Ion: 75 Resp: 123

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#

