

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
 Data File : VV018370.D
 Acq On : 21 Sep 2020 14:53
 Operator : SY/MD
 Sample : L4090-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFWX5

Quant Time: Sep 22 04:36:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 04:28:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	293440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293064	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	139461	50.00	ug/L	0.00

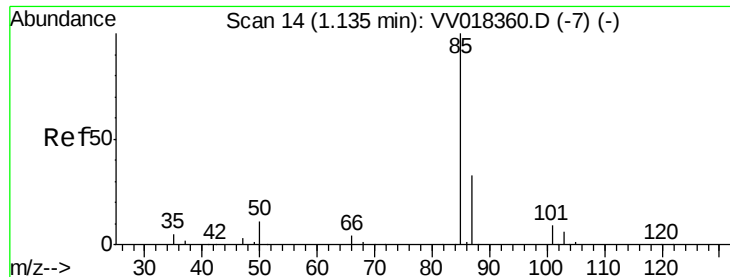
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91561	38.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.58%
7) Chloroethane-d5	1.58	69	79135	40.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.88%
11) 1,1-Dichloroethene-d2	2.12	63	137524	31.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.70%
21) 2-Butanone-d5	3.92	46	117699	80.41	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.41%
24) Chloroform-d	4.38	84	176819	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.06	65	117099	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
32) Benzene-d6	5.08	84	352018	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.92%
36) 1,2-Dichloropropane-d6	6.09	67	114258	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.72%
41) Toluene-d8	7.34	98	312996	40.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.88%
43) trans-1,3-Dichloropropene-	7.64	79	55306	40.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.66%
47) 2-Hexanone-d5	8.11	63	76108	75.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135284	40.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	132621	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	1637	0.765 ug/L	96
20) cis-1,2-Dichloroethene	3.95	96	3543	1.669 ug/L	95
34) Trichloroethene	5.94	95	245294	107.465 ug/L	99
35) Methylcyclohexane	6.09	83	27534	8.012 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	12323	5.550 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3259	0.953 ug/L #	68
59) 1,2,3-Trichloropropane	11.27	75	15909	6.092 ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.765 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

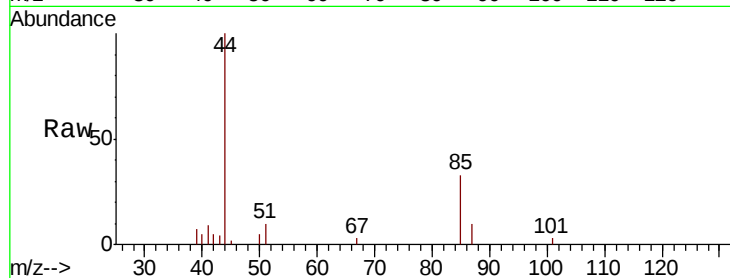
BFWX5

Tot Ion: 85 Resp: 1637

Ion Ratio Lower Upper

85 100

87 30.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

1500

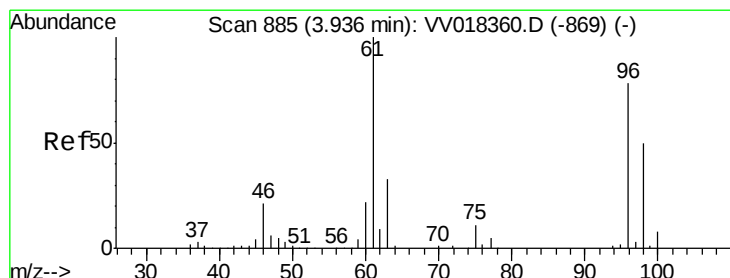
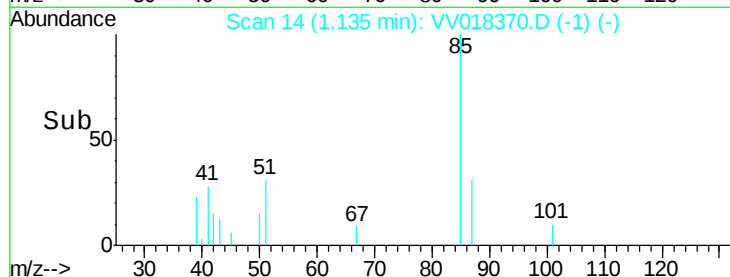
1000

500

0

Time-->

1.12 1.14 1.16



#20

cis-1,2-Dichloroethene

Concen: 1.669 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

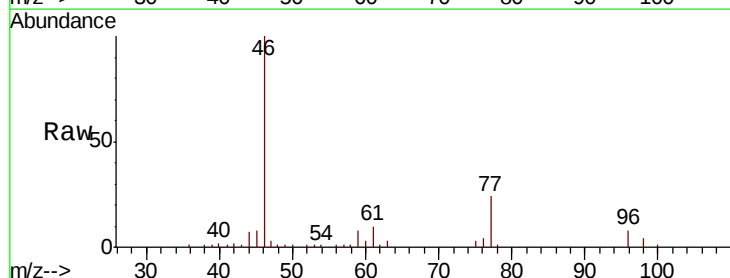
Tgt Ion: 96 Resp: 3543

Ion Ratio Lower Upper

96 100

61 127.4 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

2500

2000

1500

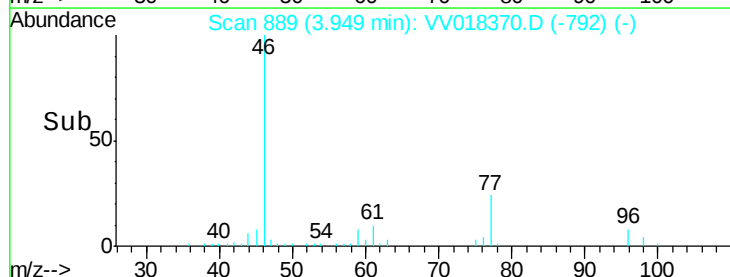
1000

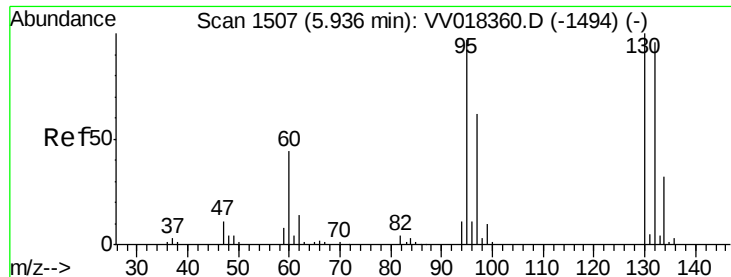
500

0

Time-->

3.90 3.95 4.00





#34

Trichloroethene

Concen: 107.465 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

BFWX5

Tot Ion: 95 Resp: 245294

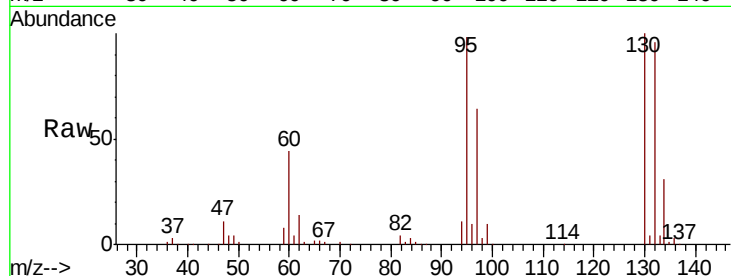
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 97.7 68.1 126.5

130 101.7 71.5 132.9

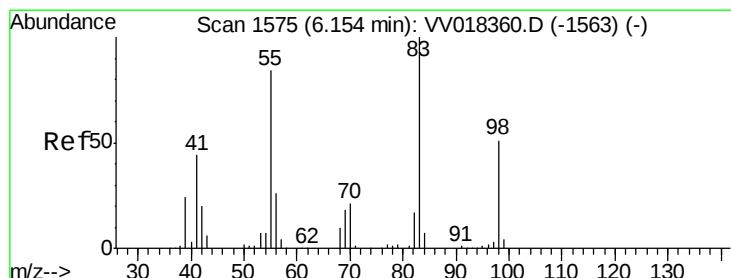
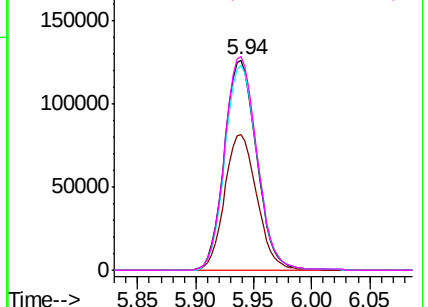
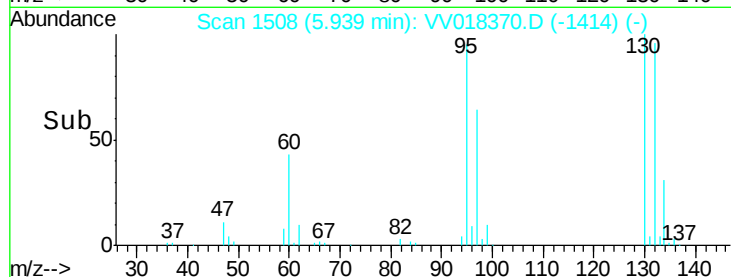


Abundance Ion 95.00 (94.70 to 95.70): VV018370.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018370.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018370.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018370.D (-1414) (-)



#35

Methylcyclohexane

Concen: 8.012 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

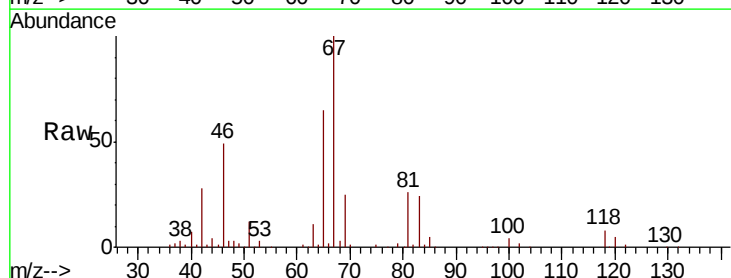
Tgt Ion: 83 Resp: 27534

Ion Ratio Lower Upper

83 100

55 0.3 63.4 95.2#

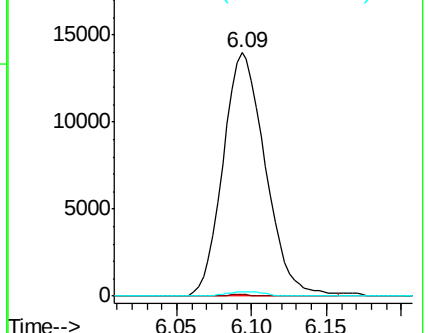
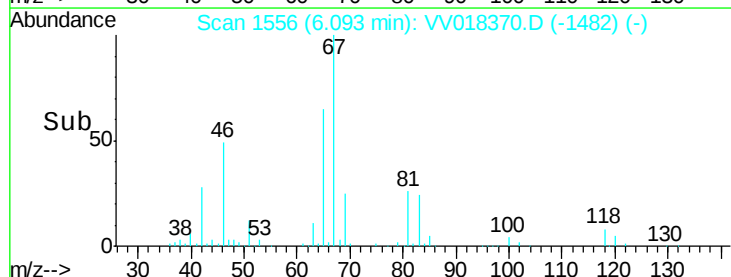
98 0.9 38.8 58.2#

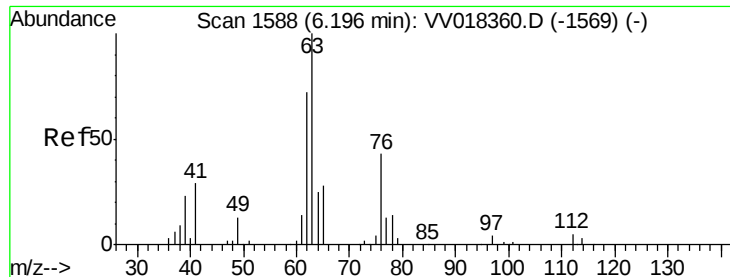


Abundance Ion 83.00 (82.70 to 83.70): VV018370.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018370.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018370.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 5.550 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

Instrument :

MSVOA_V

ClientSampled :

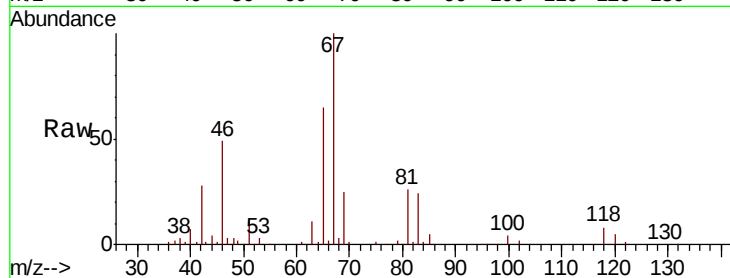
BFWX5

Tot Ion: 63 Resp: 12323

Ion Ratio Lower Upper

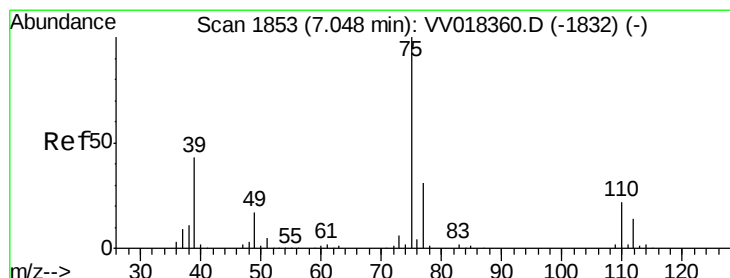
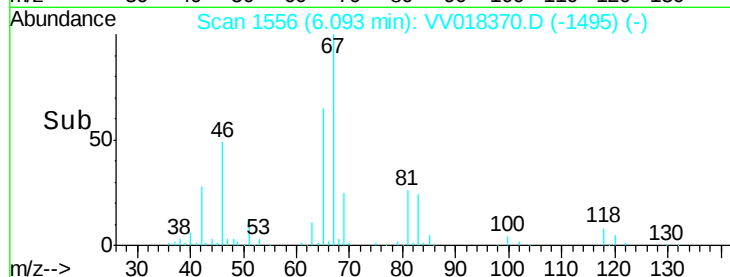
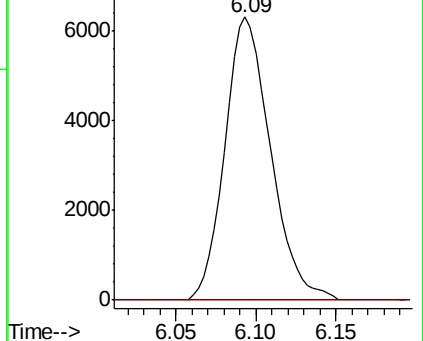
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.953 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV018370.D

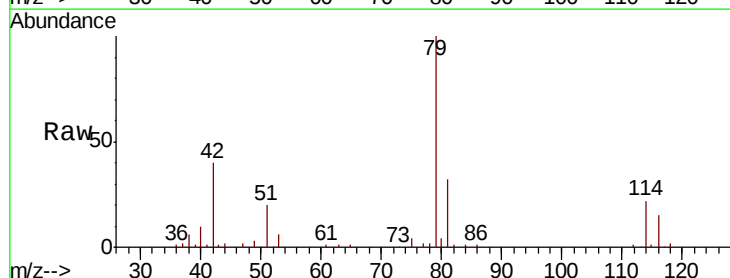
Acq: 21 Sep 2020 14:53

Tgt Ion: 75 Resp: 3259

Ion Ratio Lower Upper

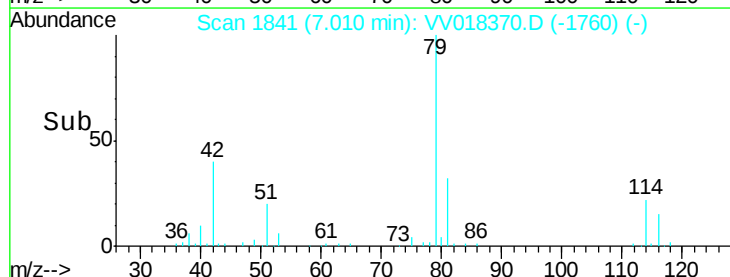
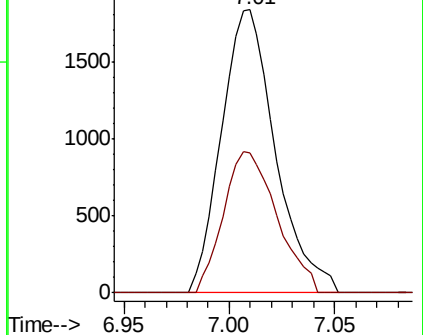
75 100

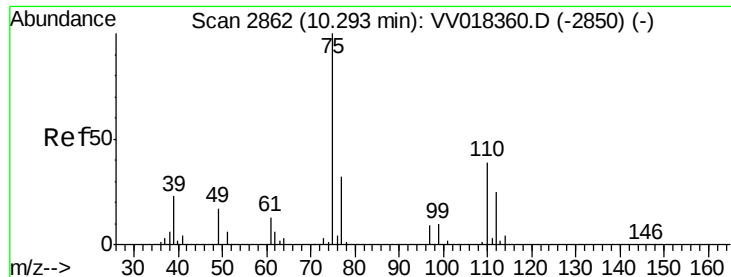
77 49.6 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.092 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018370.D

Acq: 21 Sep 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

BFWX5

Tot Ion: 75 Resp: 15909

Ion Ratio Lower Upper

75 100

77 36.6 25.8 38.6

