

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090219\
 Data File : VV012536.D
 Acq On : 02 Sep 2019 18:43
 Operator : SY/MD
 Sample : K4607-09
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD65

Quant Time: Sep 03 07:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 03 05:44:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150971	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68397	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.58	69	66468	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.13	63	145860	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	3.96	46	140969	50.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.90%
24) Chloroform-d	4.40	84	106158	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	56360	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	200671	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	65919	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	171855	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	21119	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	82938	46.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43988	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	56245	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

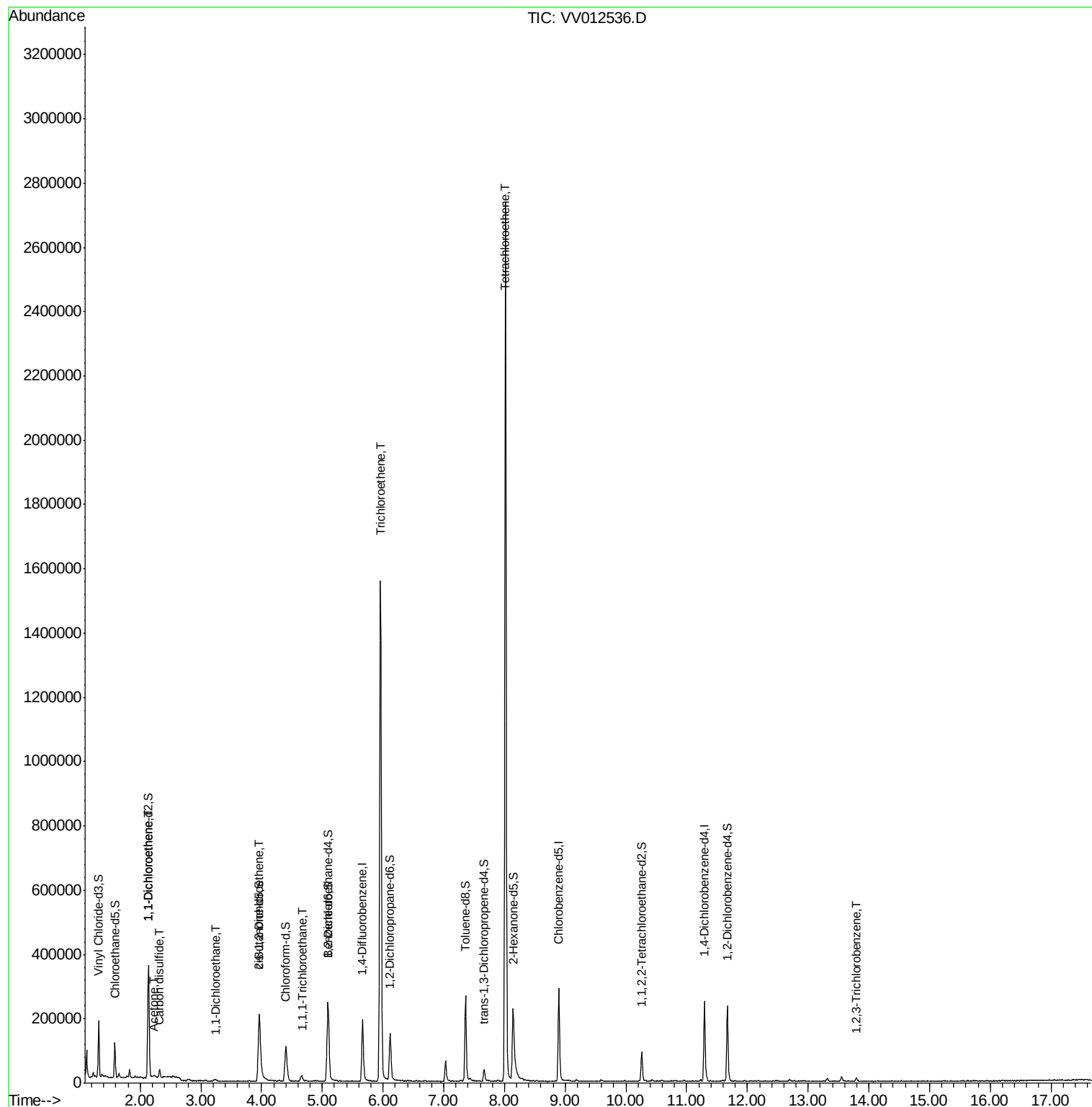
					Ovalue
12) 1,1-Dichloroethene	2.14	96	57652	2.952 ug/L #	77
13) Acetone	2.22	43	12209	3.079 ug/L	95
14) Carbon disulfide	2.32	76	27311	0.435 ug/L #	93
19) 1,1-Dichloroethane	3.23	63	6528	0.217 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	81477	5.049 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	12795	0.526 ug/L	98
34) Trichloroethene	5.96	95	516085	30.897 ug/L	99
47) Tetrachloroethene	8.02	164	539345	44.686 ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	2543	0.204 ug/L	92

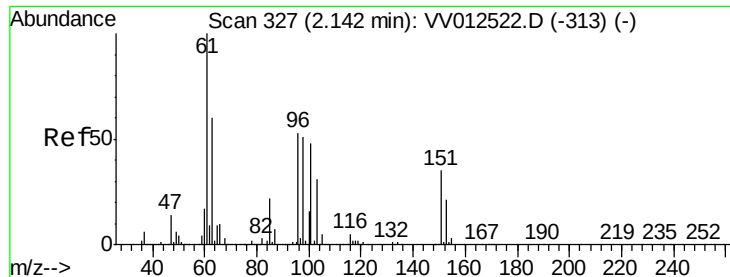
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.952 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

BFD65

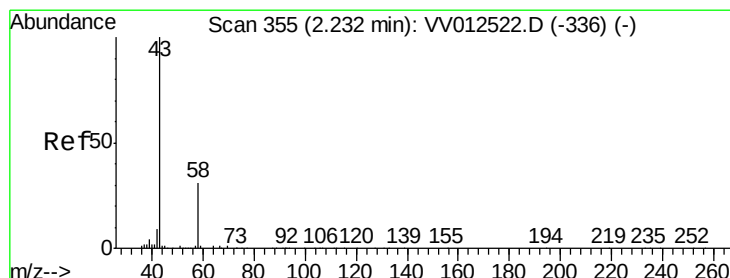
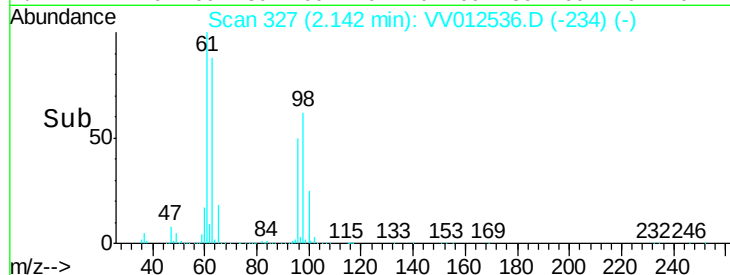
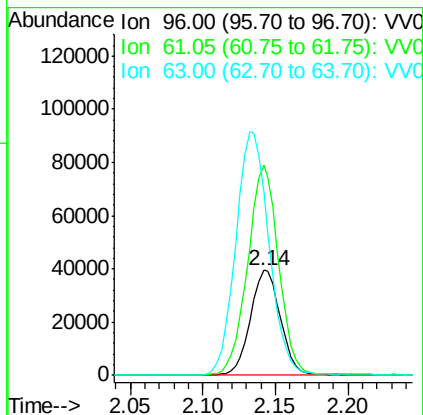
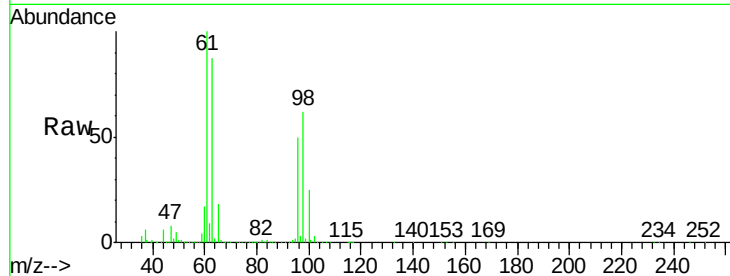
Tot Ion: 96 Resp: 57652

Ion Ratio Lower Upper

96 100

61 200.1 133.7 248.3

63 175.0 83.2 154.6#



#13

Acetone

Concen: 3.079 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012536.D

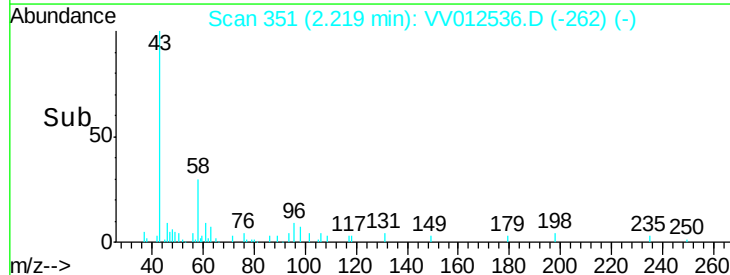
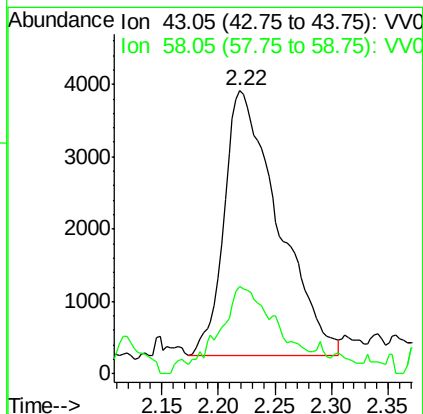
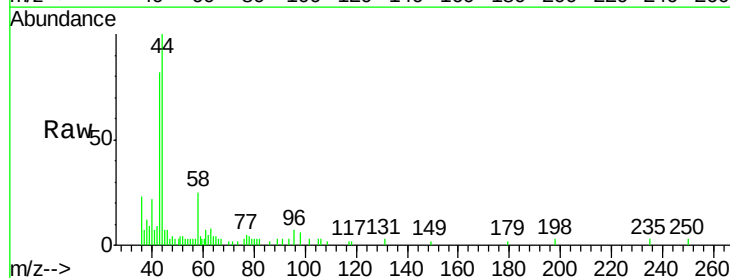
Acq: 02 Sep 2019 18:43

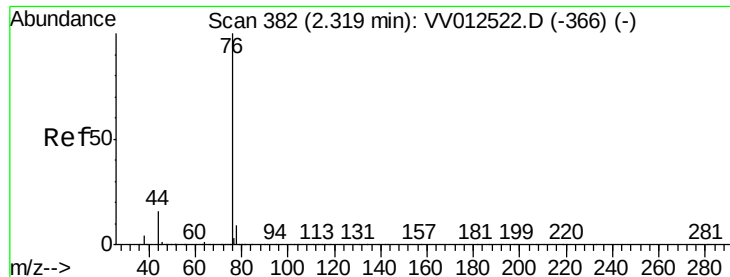
Tgt Ion: 43 Resp: 12209

Ion Ratio Lower Upper

43 100

58 31.6 0.0 58.2





#14

Carbon disulfide

Concen: 0.435 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

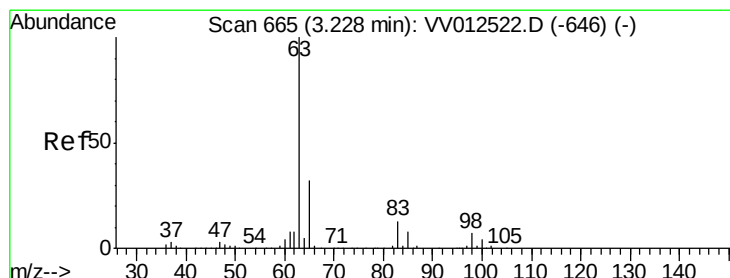
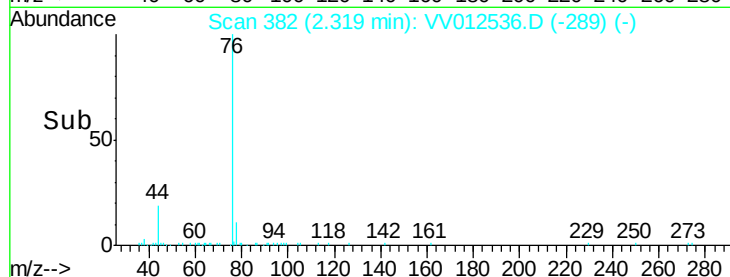
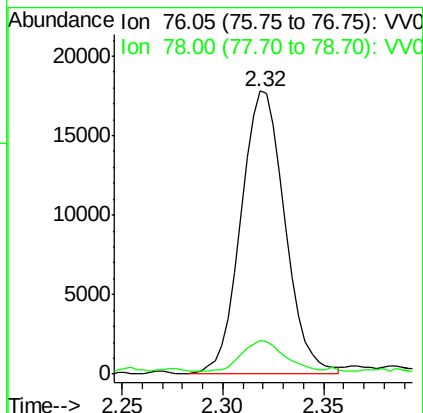
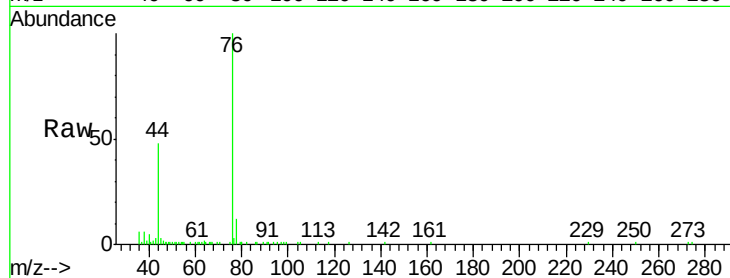
BFD65

Tot Ion: 76 Resp: 27311

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#



#19

1,1-Dichloroethane

Concen: 0.217 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

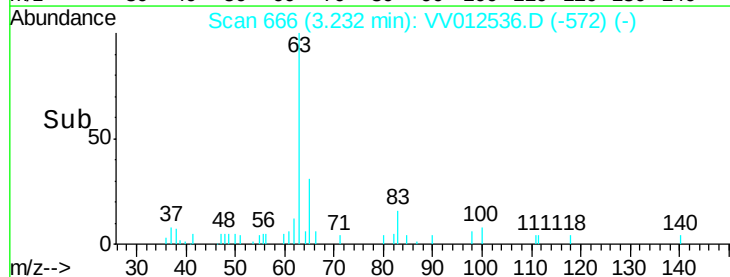
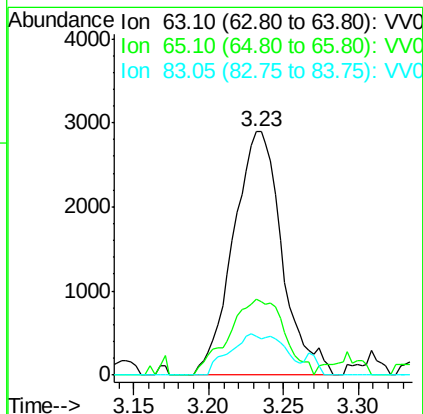
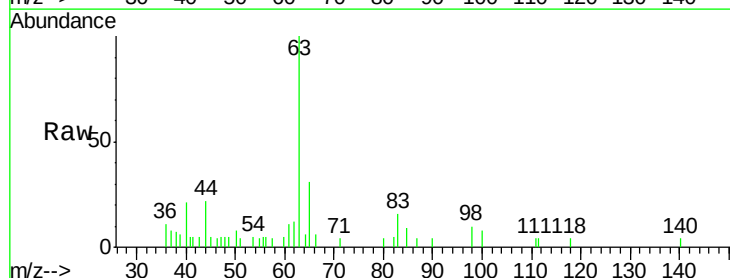
Tgt Ion: 63 Resp: 6528

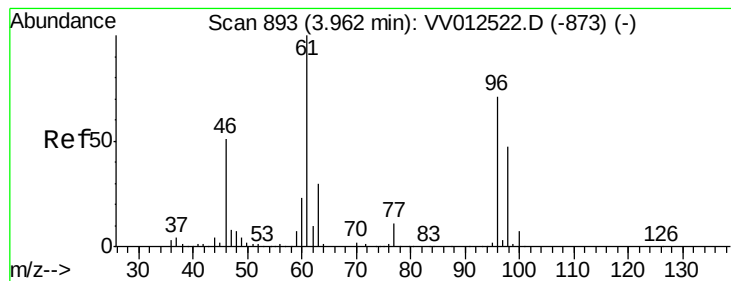
Ion Ratio Lower Upper

63 100

65 31.1 21.5 39.9

83 15.8 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampled :

BFD65

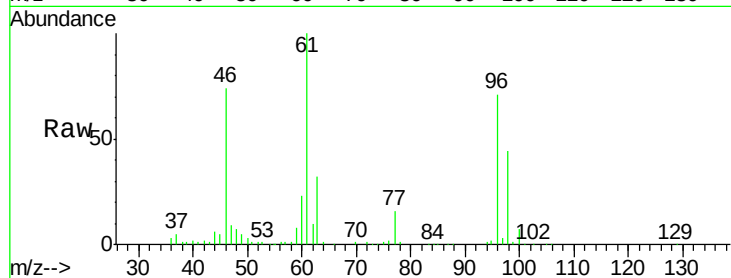
Tot Ion: 96 Resp: 81477

Ion Ratio Lower Upper

96 100

61 140.0 97.5 181.1

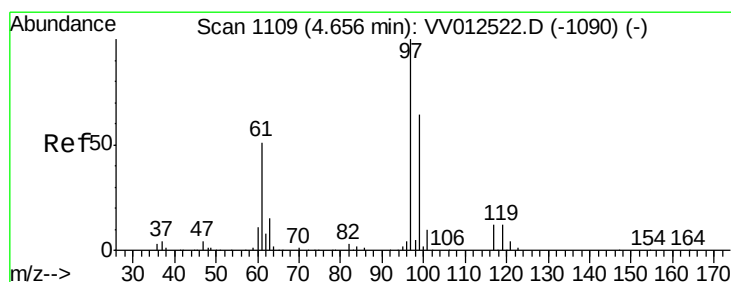
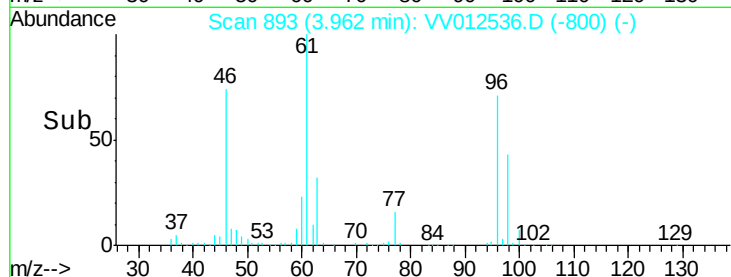
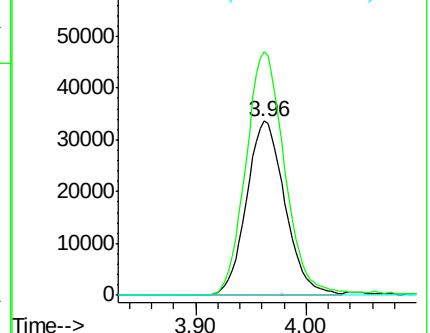
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#29

1,1,1-Trichloroethane

Concen: 0.526 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

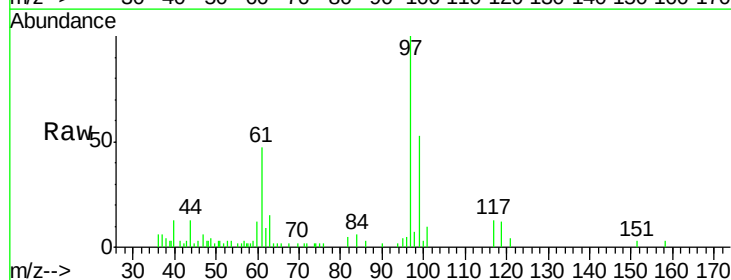
Tgt Ion: 97 Resp: 12795

Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

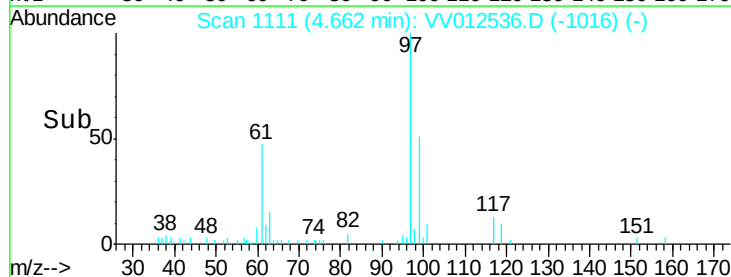
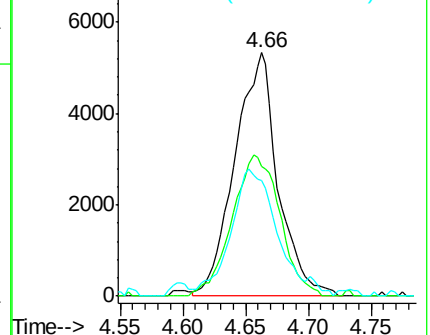
61 56.4 43.4 65.2

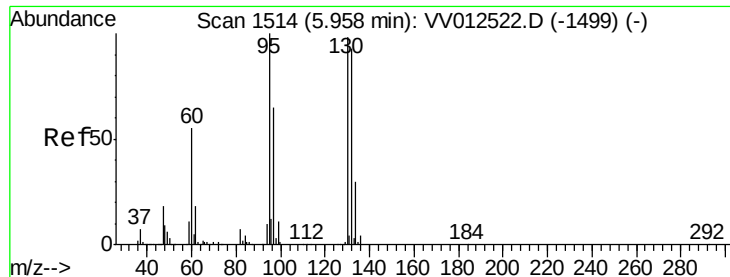


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 30.897 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

BFD65

Tot Ion: 95 Resp: 516085

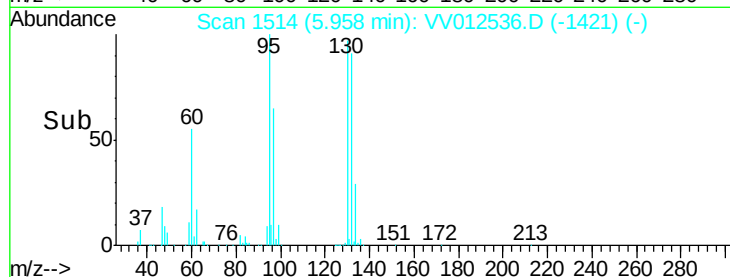
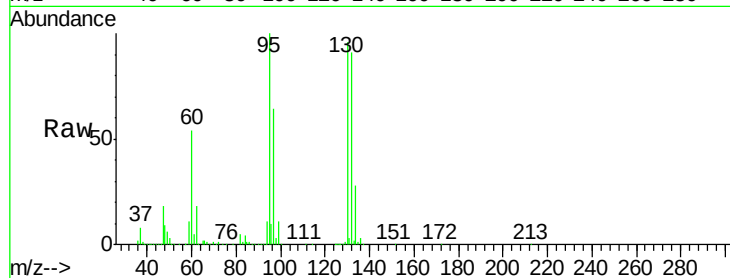
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 90.6 63.8 118.4

130 95.8 66.6 123.6



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

400000

300000

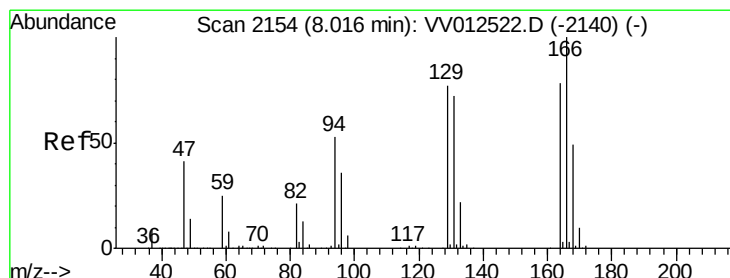
200000

100000

0

5.90 5.96 6.00 6.10

Time-->



#47

Tetrachloroethene

Concen: 44.686 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Tgt Ion: 164 Resp: 539345

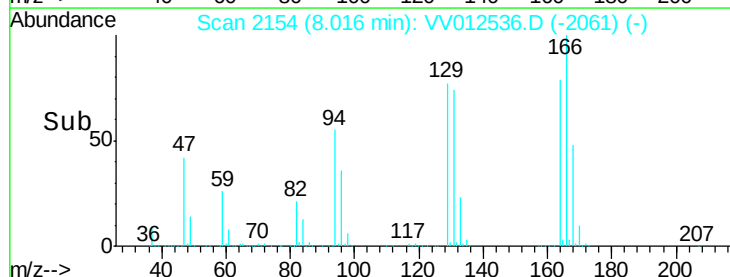
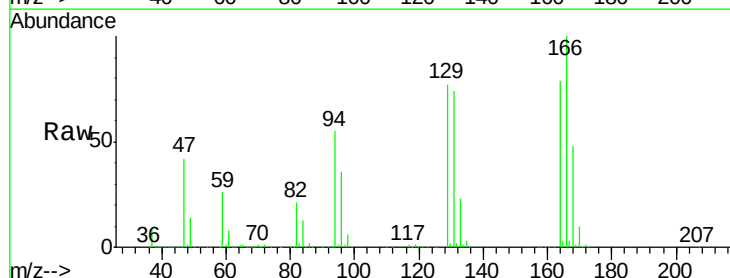
Ion Ratio Lower Upper

164 100

129 98.2 64.5 119.9

131 93.4 62.3 115.7

166 126.7 86.5 160.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

600000

500000

400000

300000

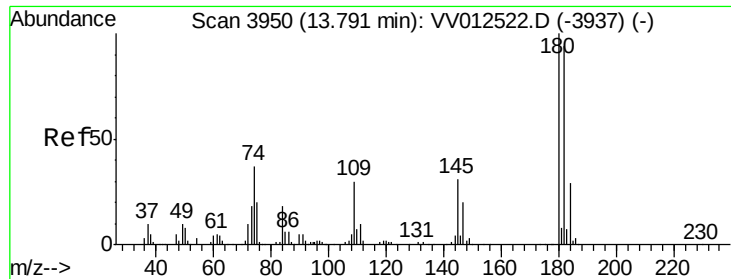
200000

100000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#70
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD65

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	79.4	119.0
145	31.4	26.2	39.4

