

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010102.D
 Acq On : 03 Apr 2019 20:14
 Operator : SY/MD
 Sample : K2148-13
 Misc : 5.49G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G0RE

Quant Time: Apr 04 06:07:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	81988	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	76633	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	26769	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20181	18.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.56%
7) Chloroethane-d5	1.58	69	21462	15.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.96%
10) 1,1-Dichloroethene-d2	2.13	63	45313	16.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.48%
20) 2-Butanone-d5	3.94	46	15787	50.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.10%
24) Chloroform-d	4.40	84	47006	22.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	5.08	65	31306	27.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.36%
29) Benzene-d6	5.10	84	97842	24.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.48%
33) 1,2-Dichloropropane-d6	6.12	67	31556	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	7.36	98	87596	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	7.67	79	10240	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.68%
39) 2-Hexanone-d5	8.13	63	9574	40.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	31010	26.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.24%
61) 1,2-Dichlorobenzene-d4	11.68	152	26421	25.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.36%

Target Compounds

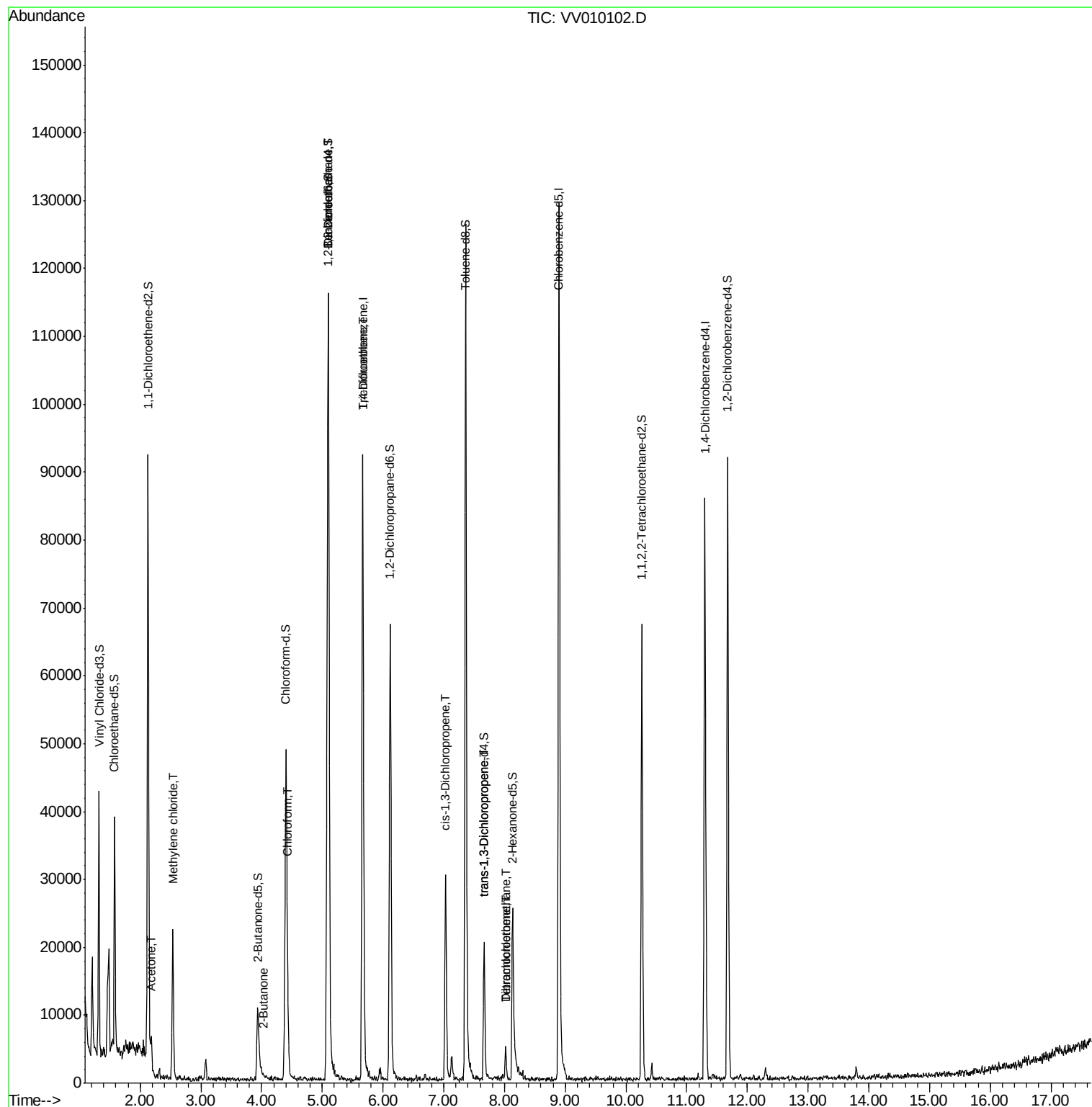
					Qvalue
13) Acetone	2.19	43	3707	12.005 ug/L	98
16) Methylene chloride	2.54	84	8924	6.195 ug/L	99
21) 2-Butanone	4.04	43	607	1.795 ug/L #	49
25) Chloroform	4.43	83	3976	2.133 ug/L #	29
27) 1,2-Dichloroethane	5.10	62	569	0.447 ug/L #	75
35) Trichloroethene	5.67	95	2402	2.227 ug/L #	4
42) cis-1,3-Dichloropropene	7.03	75	1049	0.765 ug/L	84
45) trans-1,3-Dichloropropene	7.66	75	632	0.542 ug/L #	59
47) Tetrachloroethene	8.02	164	1097	1.215 ug/L	81
50) Dibromochloromethane	8.02	129	772	0.820 ug/L #	12

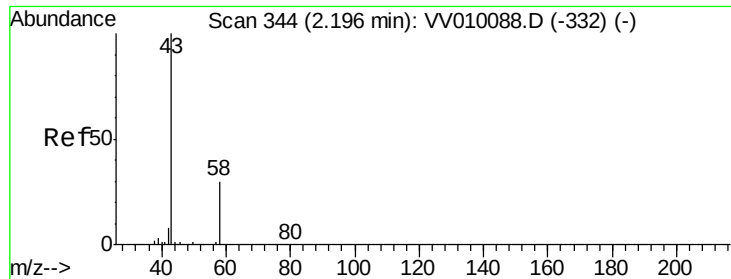
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration





#13

Acetone

Concen: 12.005 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

Instrument :

MSVOA_V

ClientSampleId :

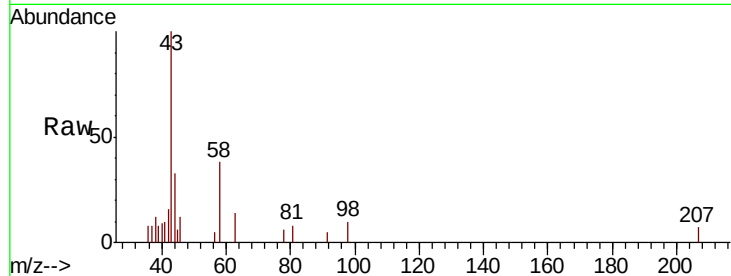
BF5G0RE

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

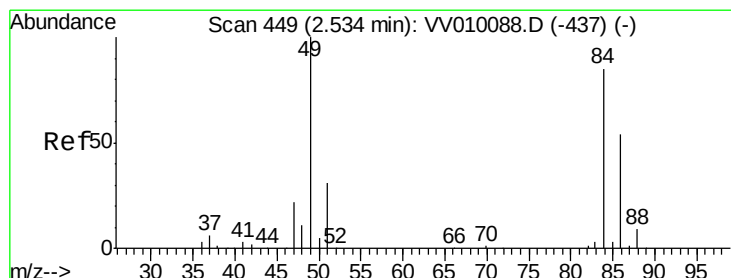
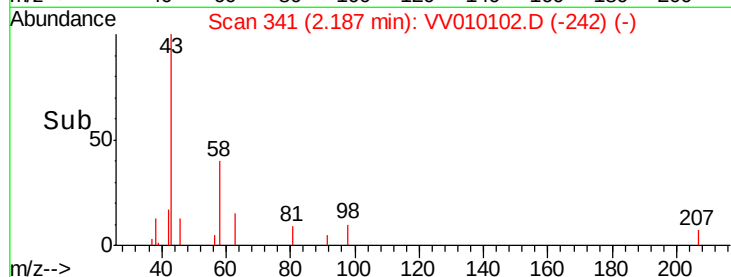
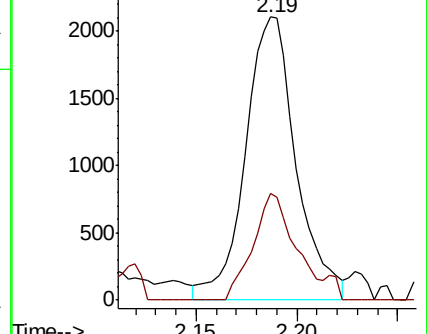
43 100

58 31.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#16

Methylene chloride

Concen: 6.195 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

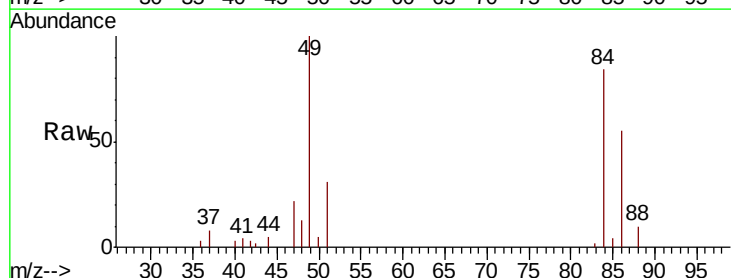
Tgt Ion: 84 Resp: 8924

Ion Ratio Lower Upper

84 100

49 118.8 84.3 156.5

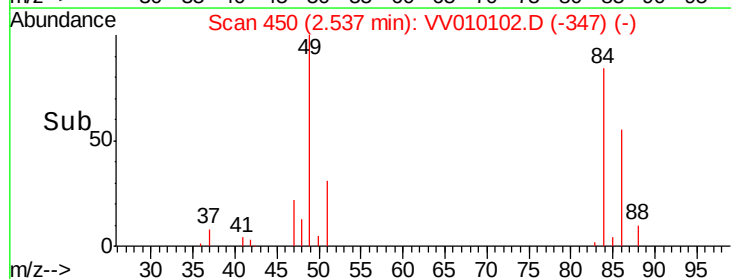
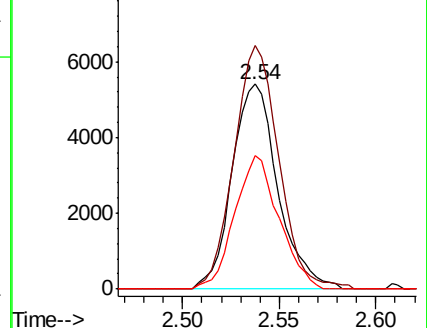
86 65.3 45.4 84.2

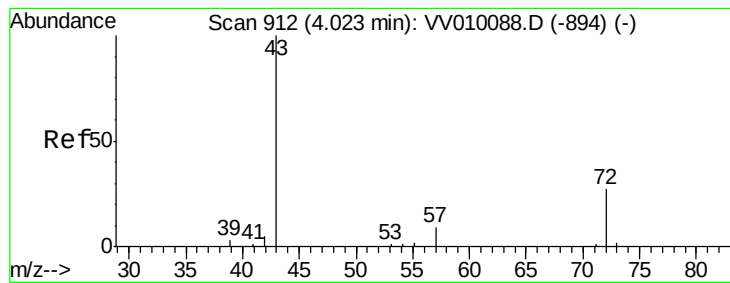


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#21

2-Butanone

Concen: 1.795 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

Instrument :

MSVOA_V

ClientSampleId :

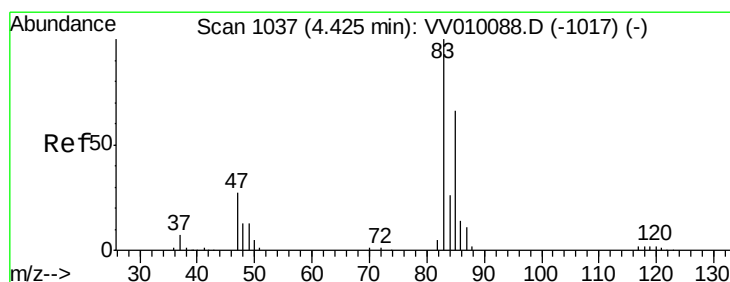
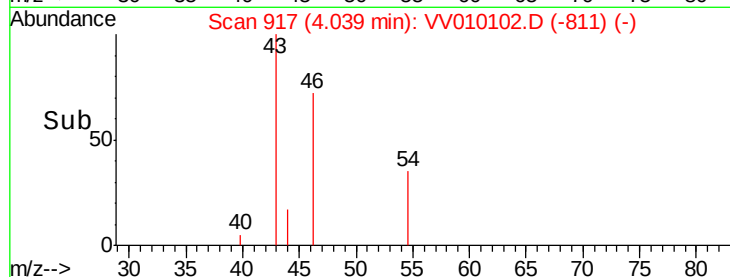
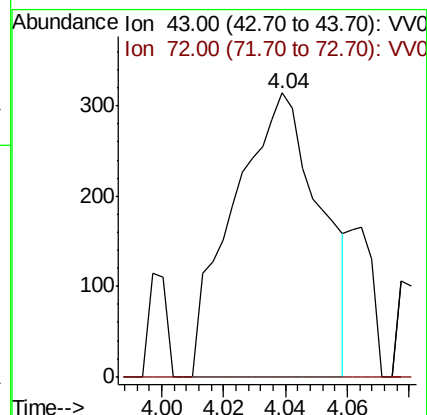
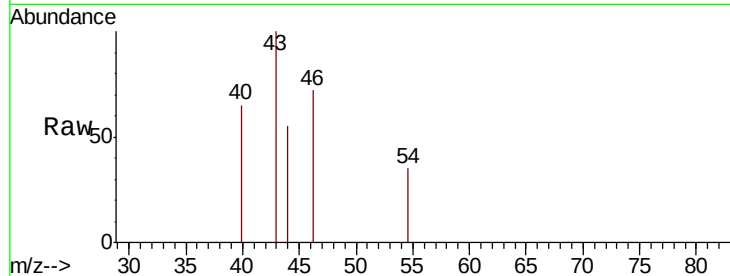
BF5G0RE

Tgt Ion: 43 Resp: 607

Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



#25

Chloroform

Concen: 2.133 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV010102.D

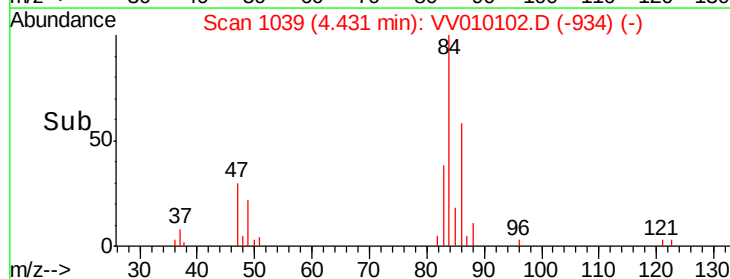
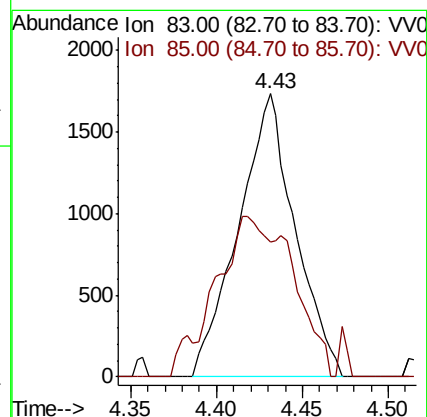
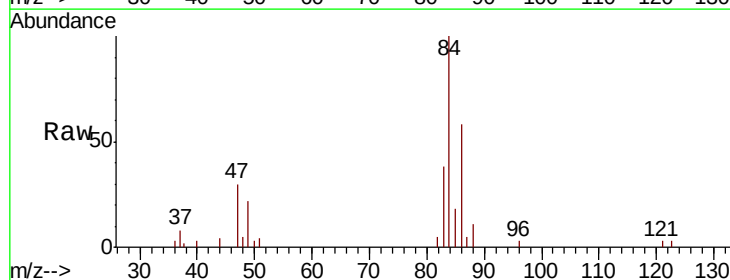
Acq: 03 Apr 2019 20:14

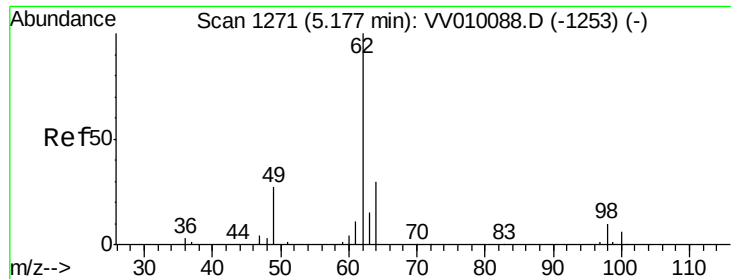
Tgt Ion: 83 Resp: 3976

Ion Ratio Lower Upper

83 100

85 9.7 46.4 86.2#





#27

1,2-Dichloroethane

Concen: 0.447 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.08 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

Instrument :

MSVOA_V

ClientSampleId :

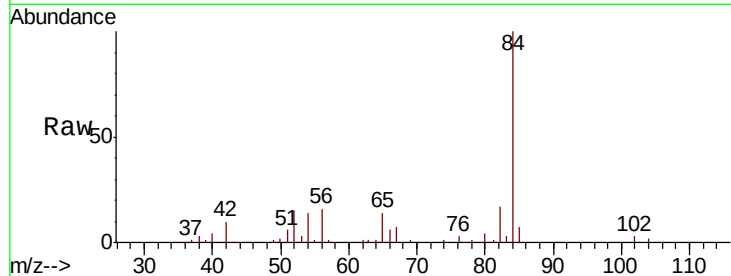
BF5G0RE

Tgt Ion: 62 Resp: 569

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.10

400

300

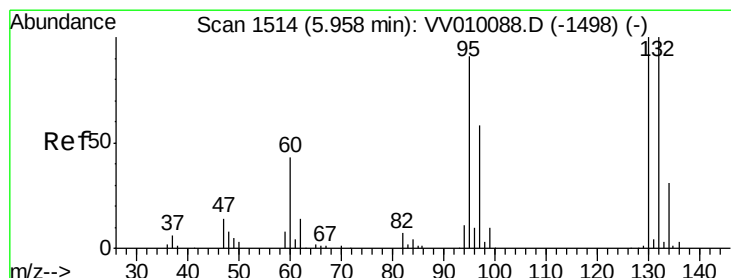
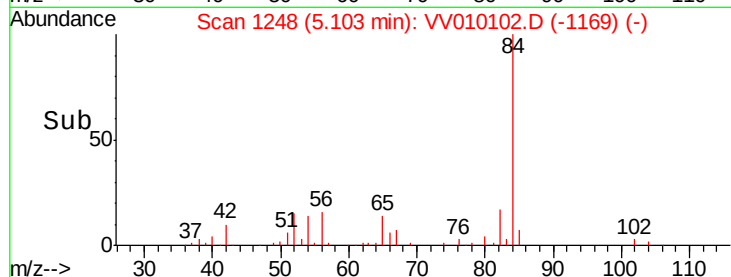
200

100

0

5.08 5.10 5.12 5.14

Time-->



#35

Trichloroethene

Concen: 2.227 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

Tgt Ion: 95 Resp: 2402

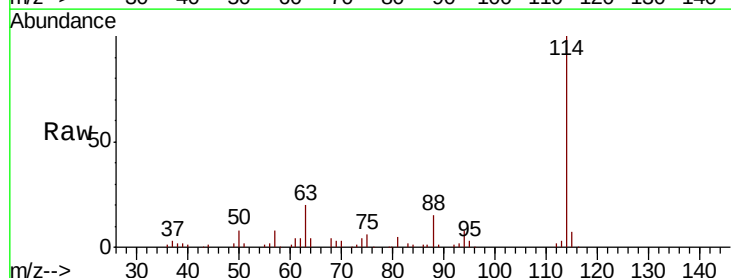
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 2.6 70.6 131.0#

130 0.0 76.1 141.3#



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

1500

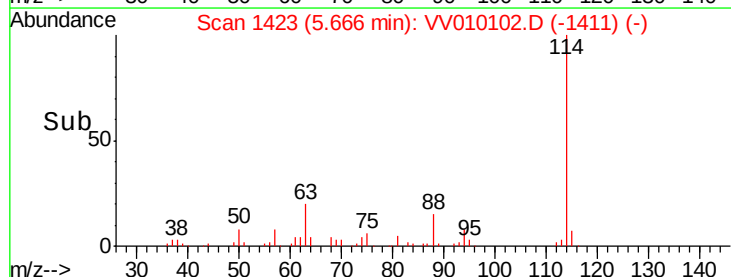
1000

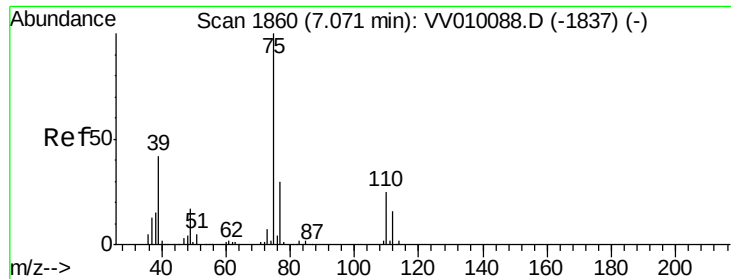
500

0

5.60 5.65 5.70

Time-->



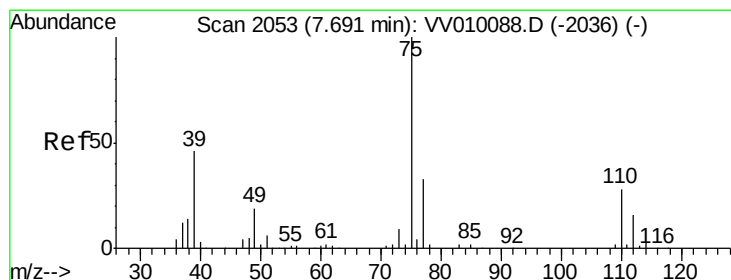
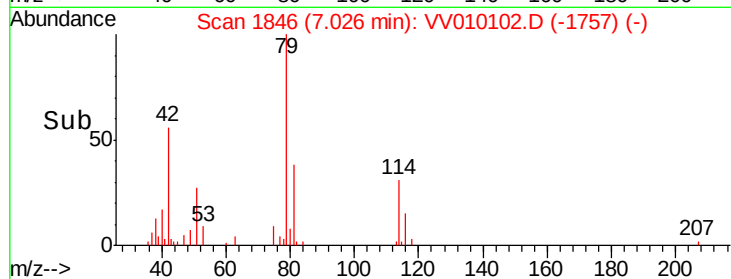
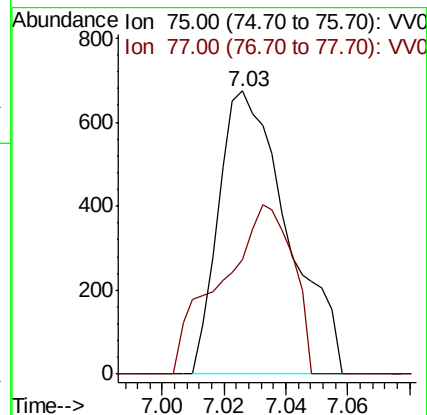
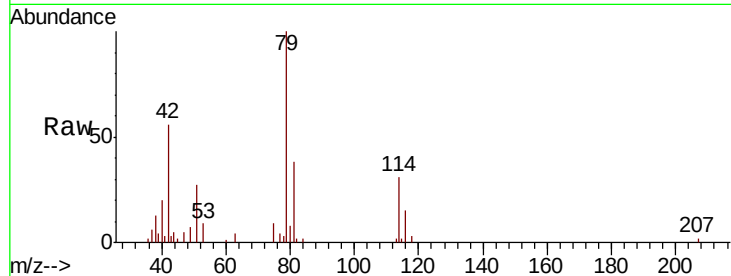


#42

cis-1,3-Dichloropropene
Concen: 0.765 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV010102.D
Acq: 03 Apr 2019 20:14

Instrument :
MSVOA_V
ClientSampleId :
BF5G0RE

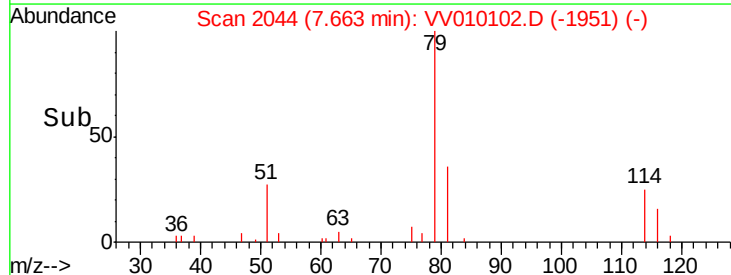
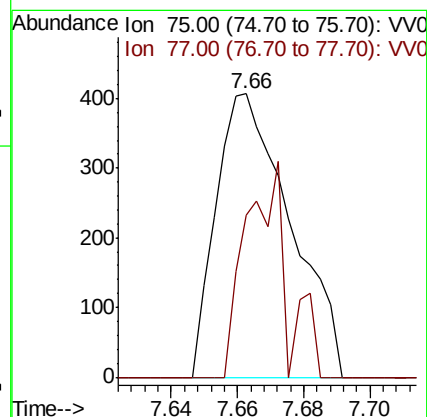
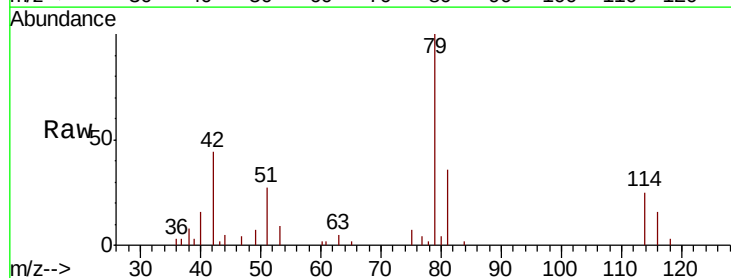
Tgt Ion: 75 Resp: 1049
Ion Ratio Lower Upper
75 100
77 40.5 22.1 41.1

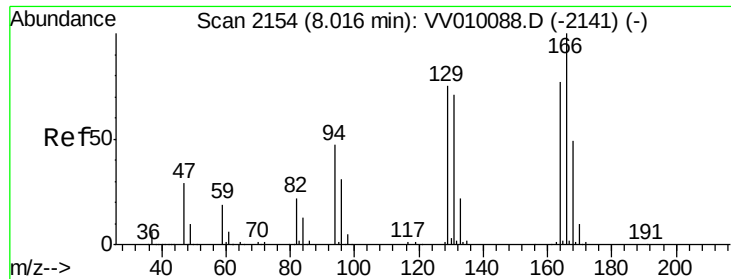


#45

trans-1,3-Dichloropropene
Concen: 0.542 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV010102.D
Acq: 03 Apr 2019 20:14

Tgt Ion: 75 Resp: 632
Ion Ratio Lower Upper
75 100
77 57.0 23.5 43.7#





#47

Tetrachloroethene

Concen: 1.215 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010102.D

Acq: 03 Apr 2019 20:14

Instrument :

MSVOA_V

ClientSampleId :

BF5G0RE

Tgt Ion:164 Resp: 1097

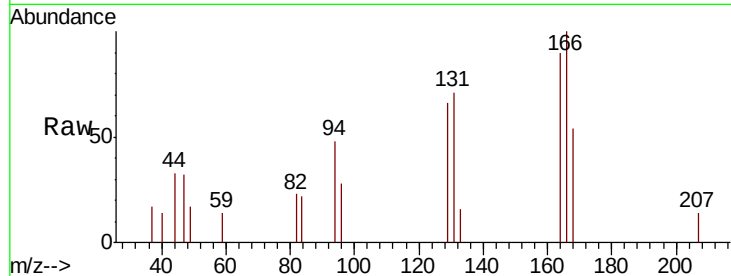
Ion Ratio Lower Upper

164 100

129 73.2 67.8 125.8

131 78.9 65.2 121.0

166 111.4 93.8 174.2

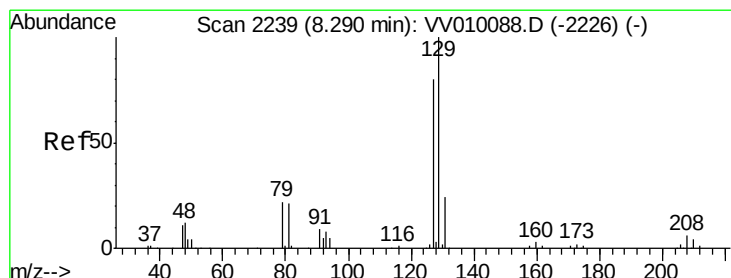
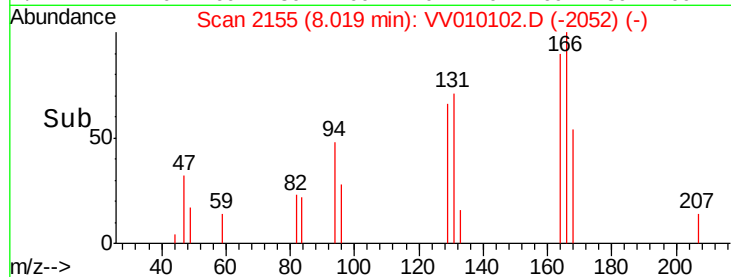
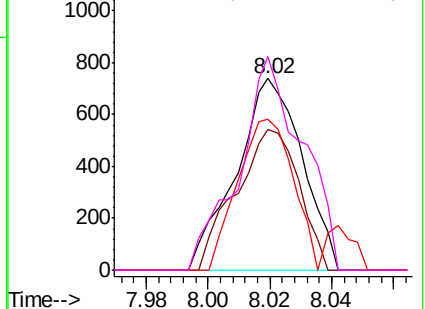


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.820 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010102.D

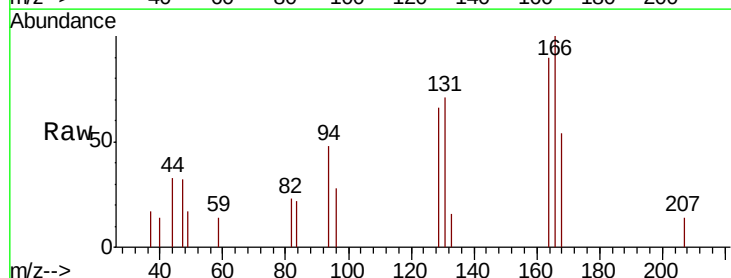
Acq: 03 Apr 2019 20:14

Tgt Ion:129 Resp: 772

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

