

Data File : VV010070.D
Acq On : 02 Apr 2019 21:05
Operator : SY/MD
Sample : K2148-06
Misc : 4.61G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5G3

Quant Time: Apr 03 06:50:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	82930	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	67141	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	17277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11340	10.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	40.84%
7) Chloroethane-d5	1.58	69	25833	18.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.92%
10) 1,1-Dichloroethene-d2	2.13	63	27529	9.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	39.32%#
20) 2-Butanone-d5	4.07	46	334	1.06	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.12%#
24) Chloroform-d	4.40	84	61658	29.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	118.04%
26) 1,2-Dichloroethane-d4	5.08	65	40315	34.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	137.96%#
29) Benzene-d6	5.10	84	109288	31.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.56%
33) 1,2-Dichloropropane-d6	6.12	67	45099	43.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	175.56%#
37) Toluene-d8	7.36	98	81314	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.96%
38) trans-1,3-Dichloropropene-	7.67	79	6591	15.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	60.00%
39) 2-Hexanone-d5	8.14	63	5389	26.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40495	39.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	159.84%#
61) 1,2-Dichlorobenzene-d4	11.68	152	20309	30.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	120.72%#

Target Compounds

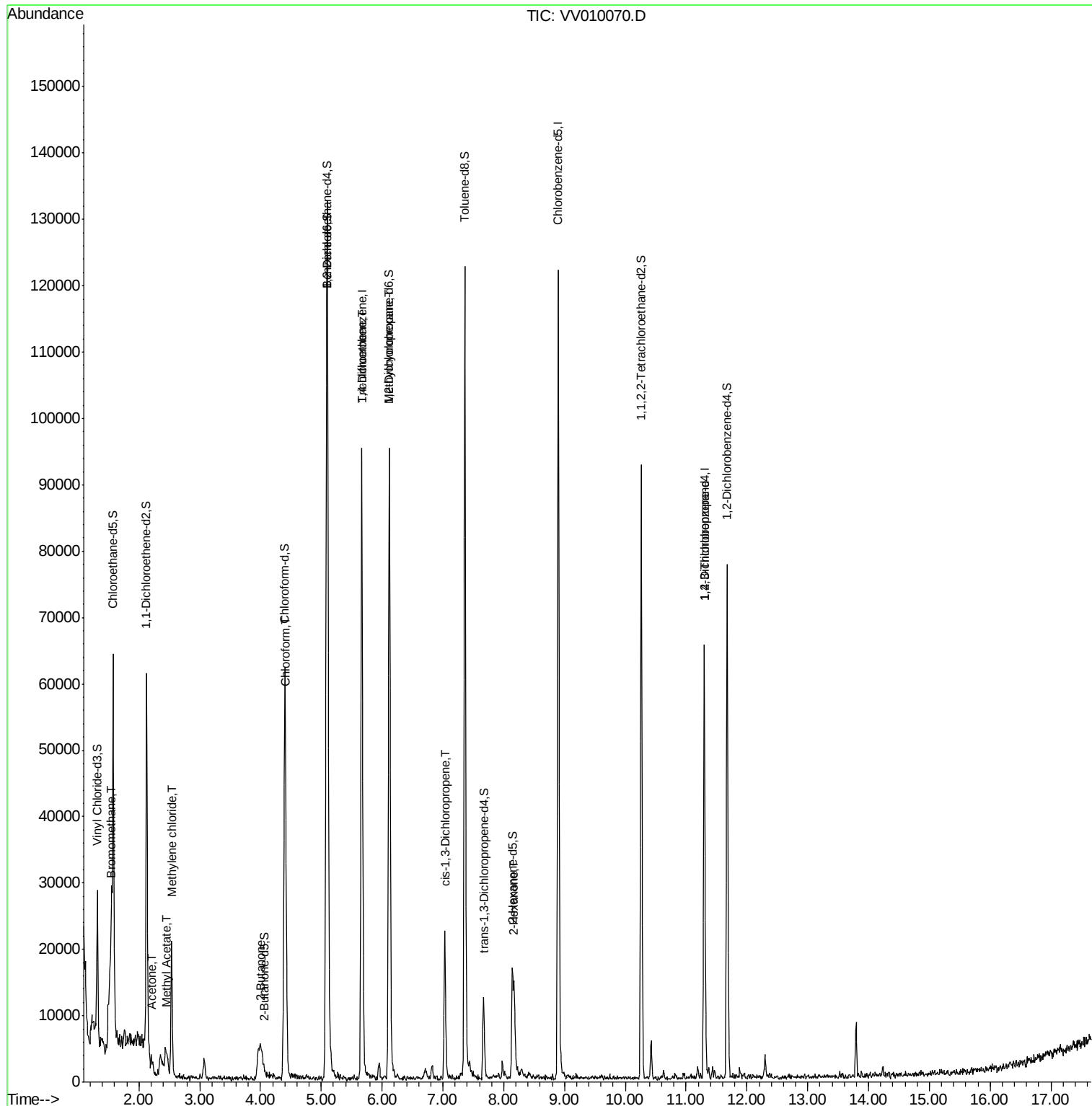
					Qvalue
6) Bromomethane	1.53	94	780	0.592 ug/L	84
13) Acetone	2.20	43	2705	8.660 ug/L	72
15) Methyl Acetate	2.47	43	3382	6.767 ug/L #	83
16) Methylene chloride	2.54	84	8157	5.598 ug/L	93
21) 2-Butanone	4.01	43	2446	7.151 ug/L #	49
25) Chloroform	4.42	83	1150	0.610 ug/L #	75
35) Trichloroethene	5.66	95	2572	2.722 ug/L #	3
36) Methylcyclohexane	6.12	83	10907	7.704 ug/L #	21
42) cis-1,3-Dichloropropene	7.03	75	793	0.660 ug/L #	81
49) 2-Hexanone	8.18	43	6649	15.166 ug/L #	42
59) 1,2,3-Trichloropropane	11.30	75	2585	3.816 ug/L	91

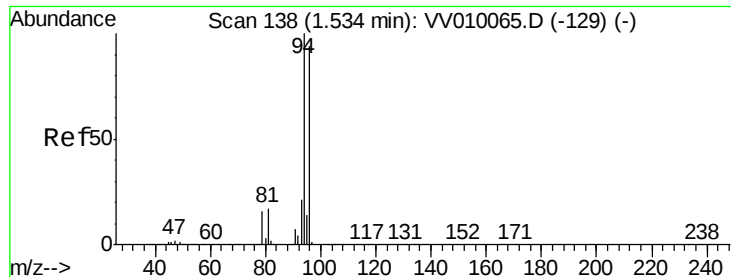
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.592 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV010070.D

Acq: 02 Apr 2019 21:05

Instrument :

MSVOA_V

ClientSampled :

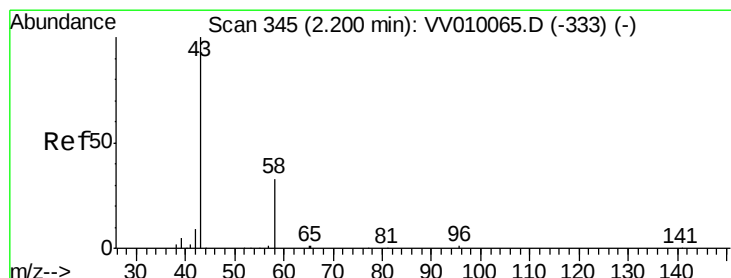
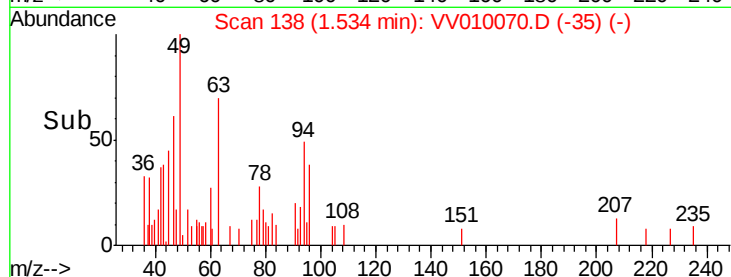
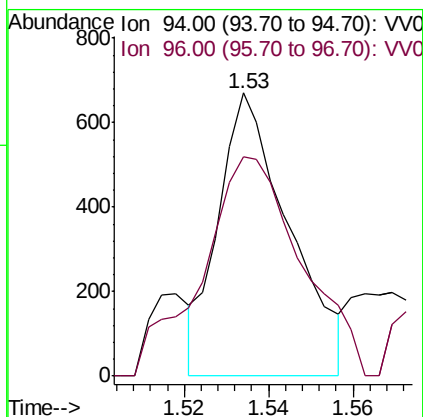
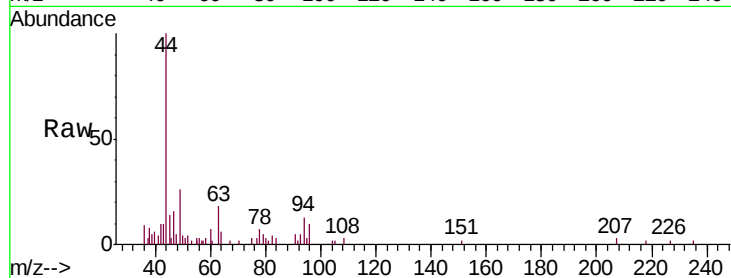
BF5G3

Tgt Ion: 94 Resp: 780

Ion Ratio Lower Upper

94 100

96 109.1 9.4 177.8



#13

Acetone

Concen: 8.660 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV010070.D

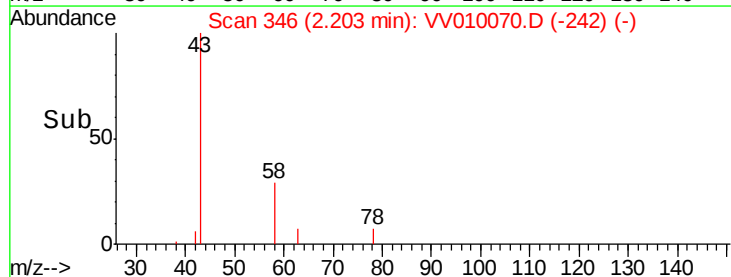
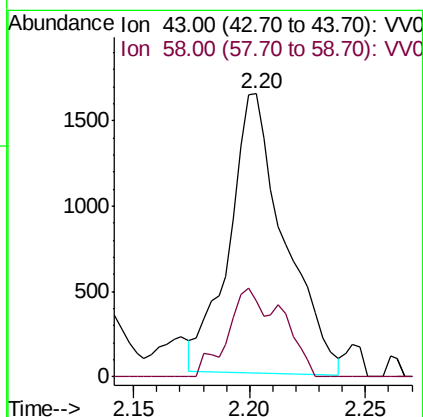
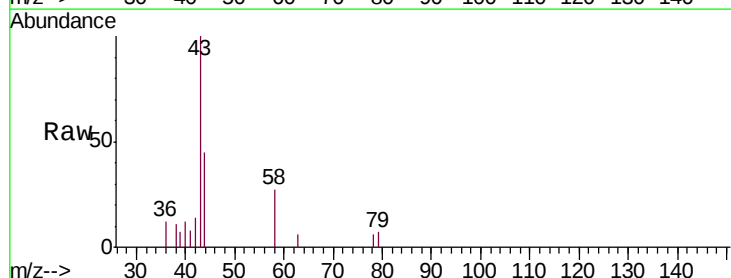
Acq: 02 Apr 2019 21:05

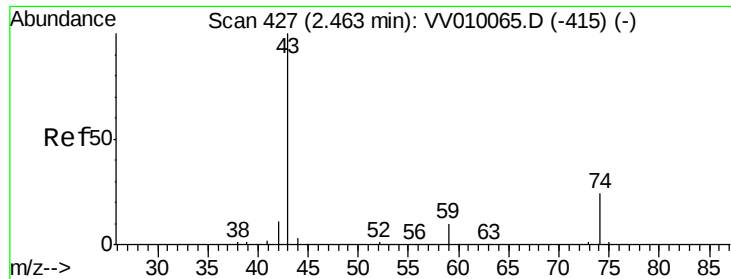
Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

43 100

58 16.7 0.0 64.6





#15

Methyl Acetate

Concen: 6.767 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV010070.D

Acq: 02 Apr 2019 21:05

Instrument :

MSVOA_V

ClientSampleId :

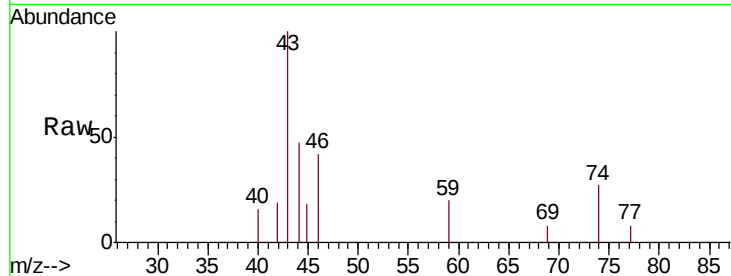
BF5G3

Tgt Ion: 43 Resp: 3382

Ion Ratio Lower Upper

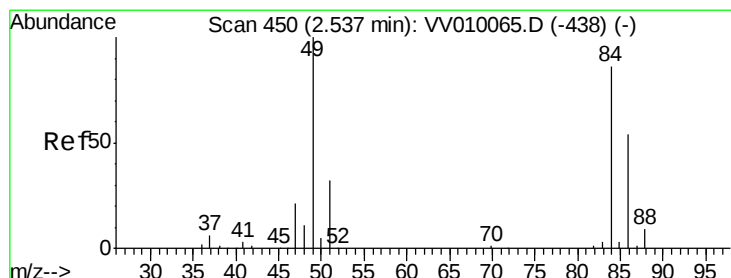
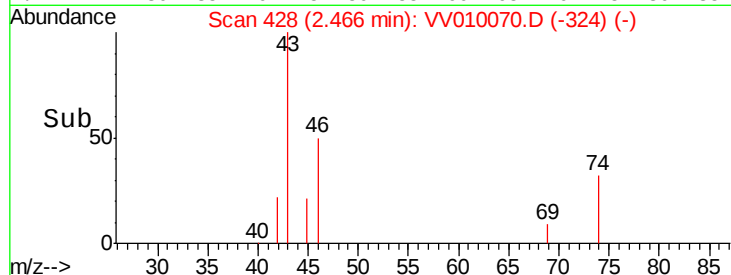
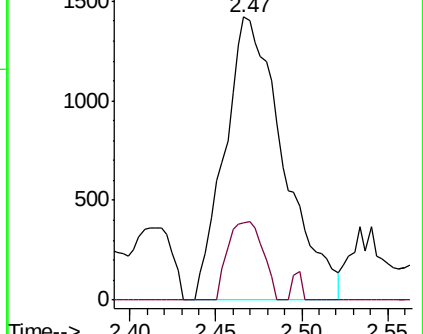
43 100

74 16.5 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 5.598 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010070.D

Acq: 02 Apr 2019 21:05

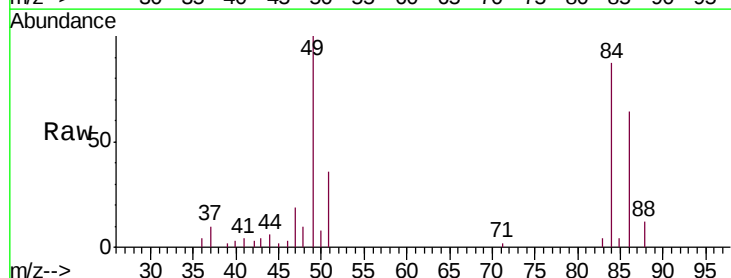
Tgt Ion: 84 Resp: 8157

Ion Ratio Lower Upper

84 100

49 115.3 84.3 156.5

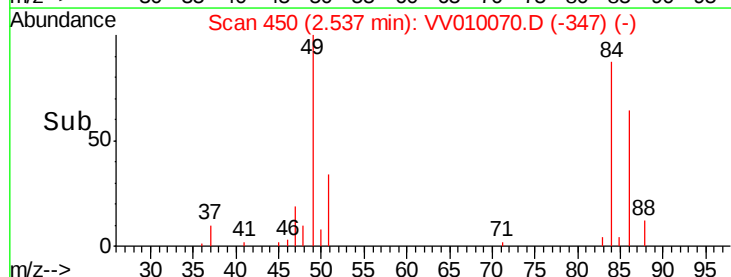
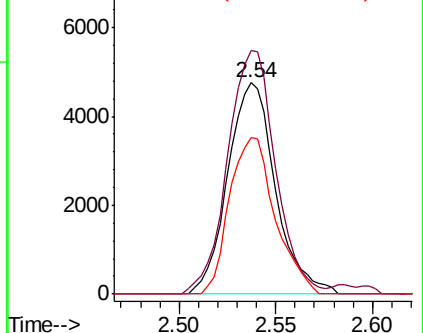
86 73.9 45.4 84.2

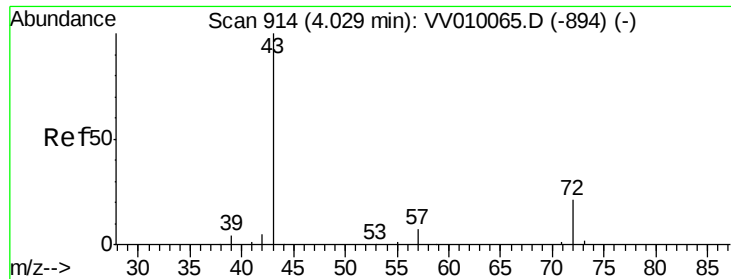


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#21

2-Butanone

Concen: 7.151 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.02 min

Lab File: VV010070.D

Acq: 02 Apr 2019 21:05

Instrument :

MSVOA_V

ClientSampled :

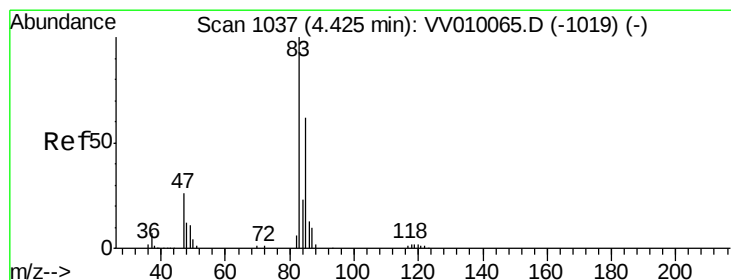
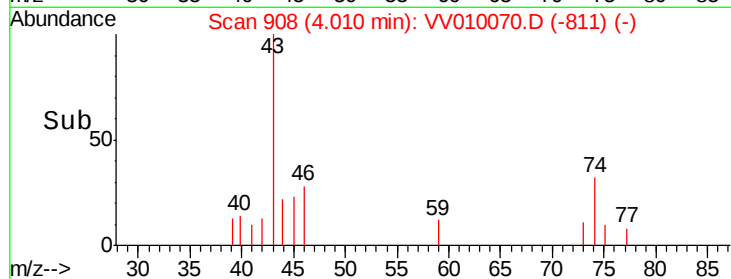
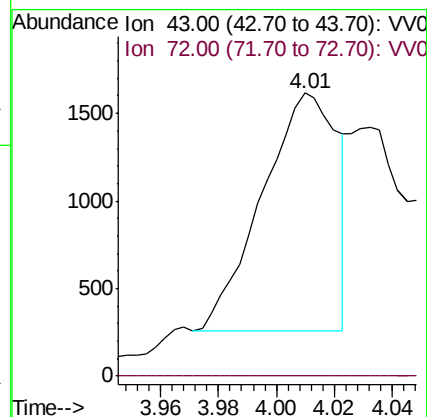
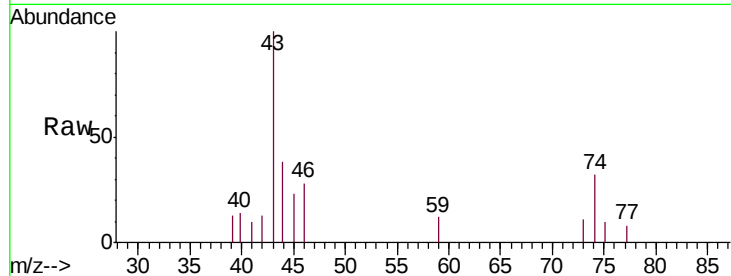
BF5G3

Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



#25

Chloroform

Concen: 0.610 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV010070.D

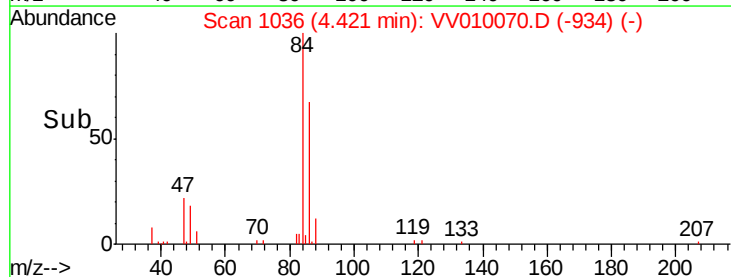
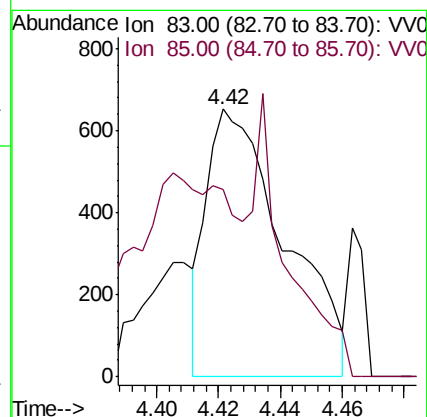
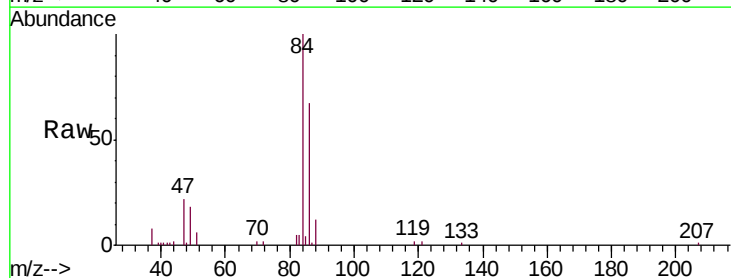
Acq: 02 Apr 2019 21:05

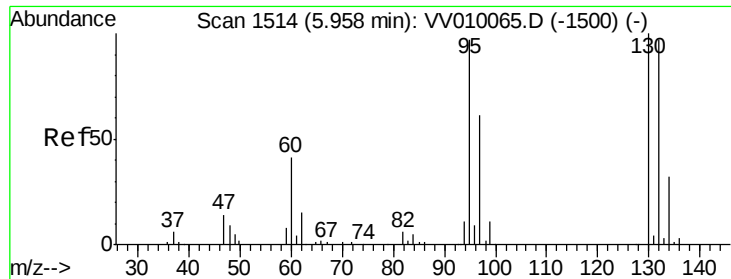
Tgt Ion: 83 Resp: 1150

Ion Ratio Lower Upper

83 100

85 46.3 46.4 86.2#

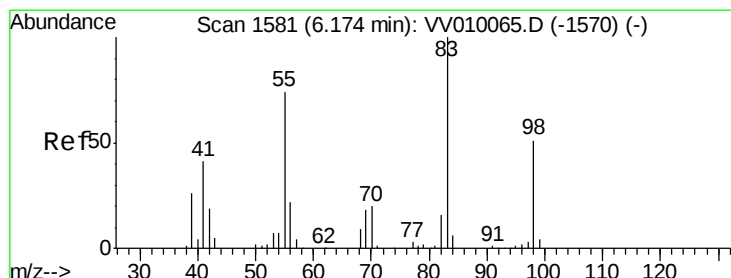
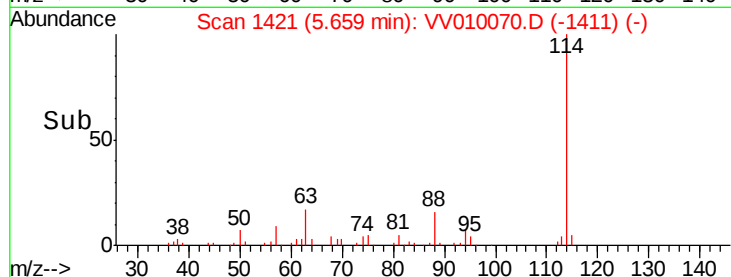
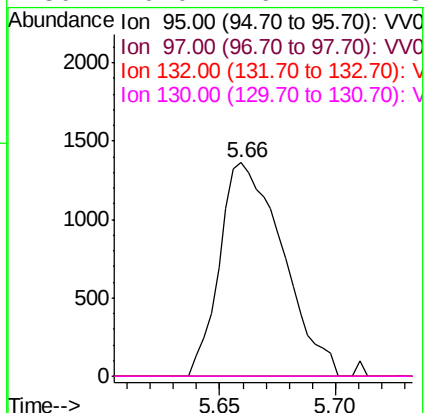
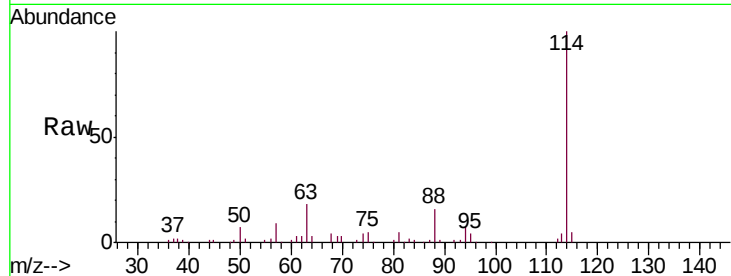




#35
 Trichloroethene
 Concen: 2.722 ug/L
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.30 min
 Lab File: VV010070.D
 Acq: 02 Apr 2019 21:05

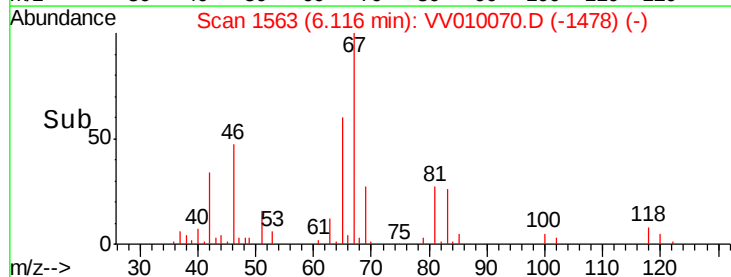
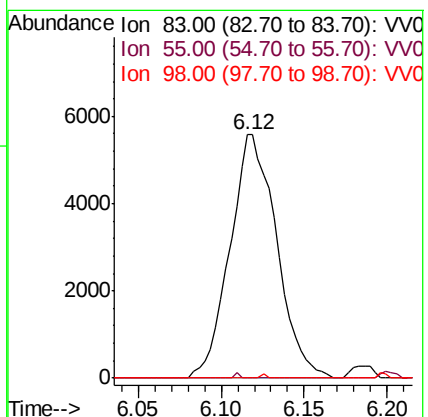
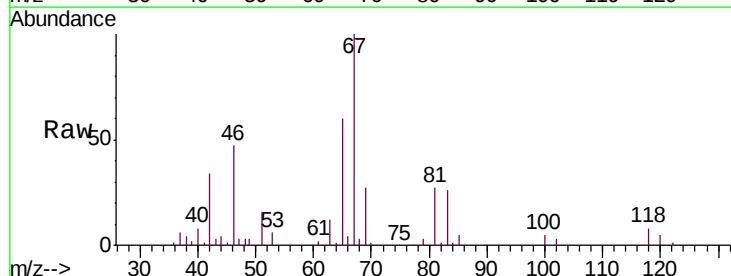
Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G3

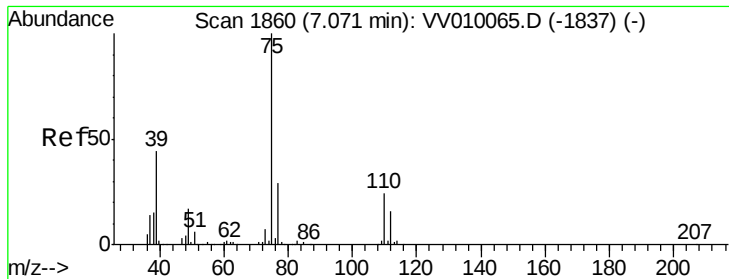
Tgt Ion: 95 Resp: 2572
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.8 85.2#
 132 0.0 70.6 131.0#
 130 0.0 76.1 141.3#



#36
 Methylcyclohexane
 Concen: 7.704 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV010070.D
 Acq: 02 Apr 2019 21:05

Tgt Ion: 83 Resp: 10907
 Ion Ratio Lower Upper
 83 100
 55 0.9 56.3 84.5#
 98 0.4 39.0 58.6#



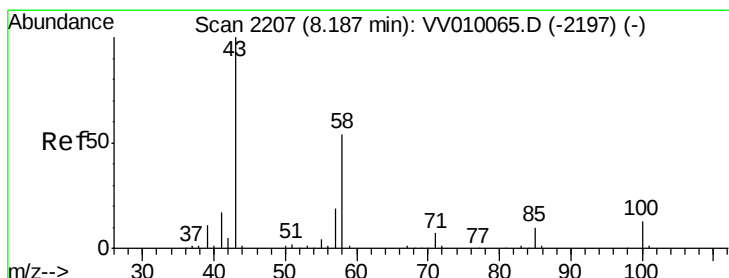
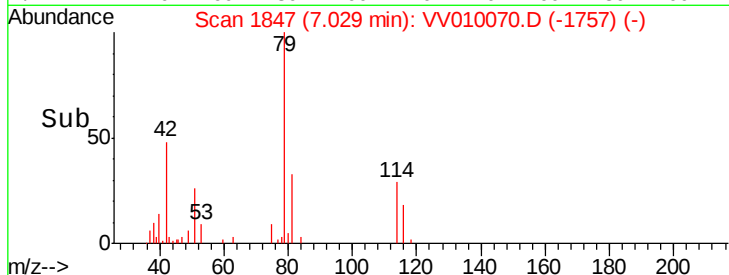
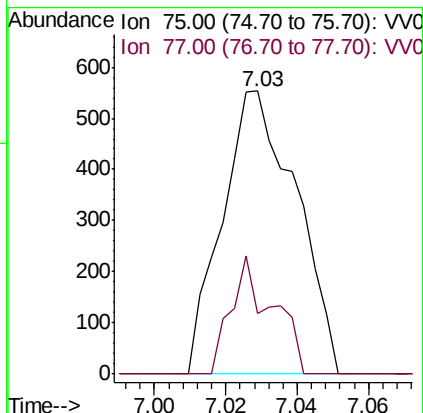
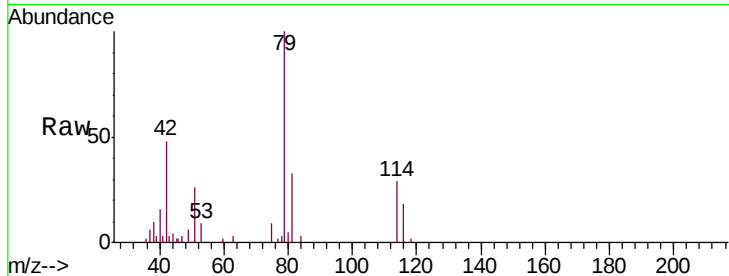


#42

cis-1,3-Dichloropropene
 Concen: 0.660 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010070.D
 Acq: 02 Apr 2019 21:05

Instrument :
 MSVOA_V
 ClientSampled :
 BF5G3

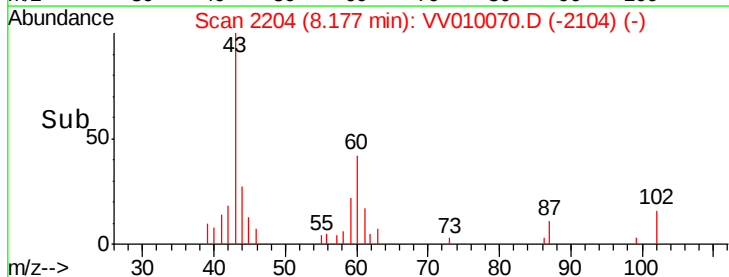
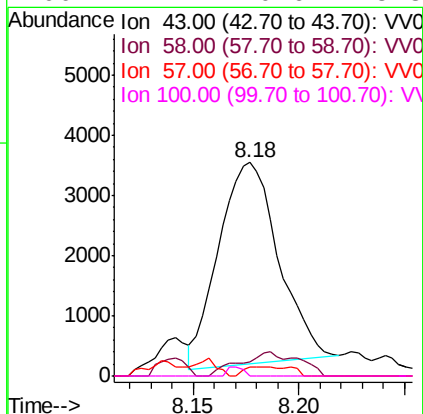
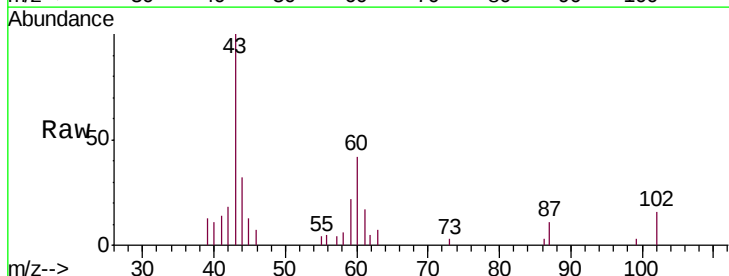
Tgt Ion: 75 Resp: 793
 Ion Ratio Lower Upper
 75 100
 77 21.3 22.1 41.1#

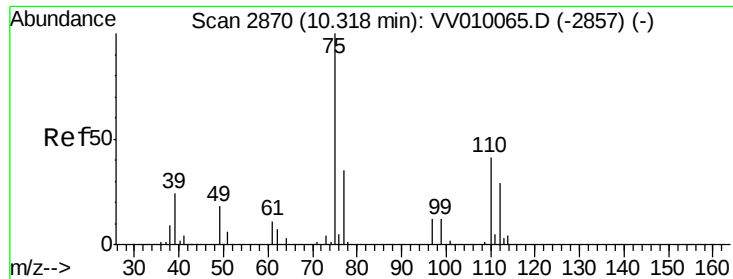


#49

2-Hexanone
 Concen: 15.166 ug/L
 RT: 8.18 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: VV010070.D
 Acq: 02 Apr 2019 21:05

Tgt Ion: 43 Resp: 6649
 Ion Ratio Lower Upper
 43 100
 58 2.7 44.3 66.5#
 57 2.8 13.8 20.8#
 100 1.2 10.6 15.8#





#59

1,2,3-Trichloropropane

Concen: 3.816 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010070.D

Acq: 02 Apr 2019 21:05

Instrument :

MSVOA_V

ClientSampleId :

BF5G3

Tgt Ion: 75 Resp: 2585

Ion Ratio Lower Upper

75 100

77 37.4 25.8 38.8

