

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Quant Time: Apr 04 06:07:17 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	54632	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	51469	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.37	152	43	25.00	ug/L	0.07

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13074	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
7) Chloroethane-d5	1.58	69	14524	15.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.96%
10) 1,1-Dichloroethene-d2	2.13	63	27837	15.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.36%
20) 2-Butanone-d5	3.94	46	13341	64.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.20%
24) Chloroform-d	4.40	84	34058	24.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	5.08	65	23721	30.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.24%
29) Benzene-d6	5.10	84	67042	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	6.12	67	22911	29.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.36%
37) Toluene-d8	7.36	98	56900	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.52%
38) trans-1,3-Dichloropropene-	7.66	79	3734	11.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	44.36%
39) 2-Hexanone-d5	8.14	63	7715	48.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	24710	31.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.24%#
61) 1,2-Dichlorobenzene-d4	11.68	152	16144	9638.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	38552.40%#

Target Compounds

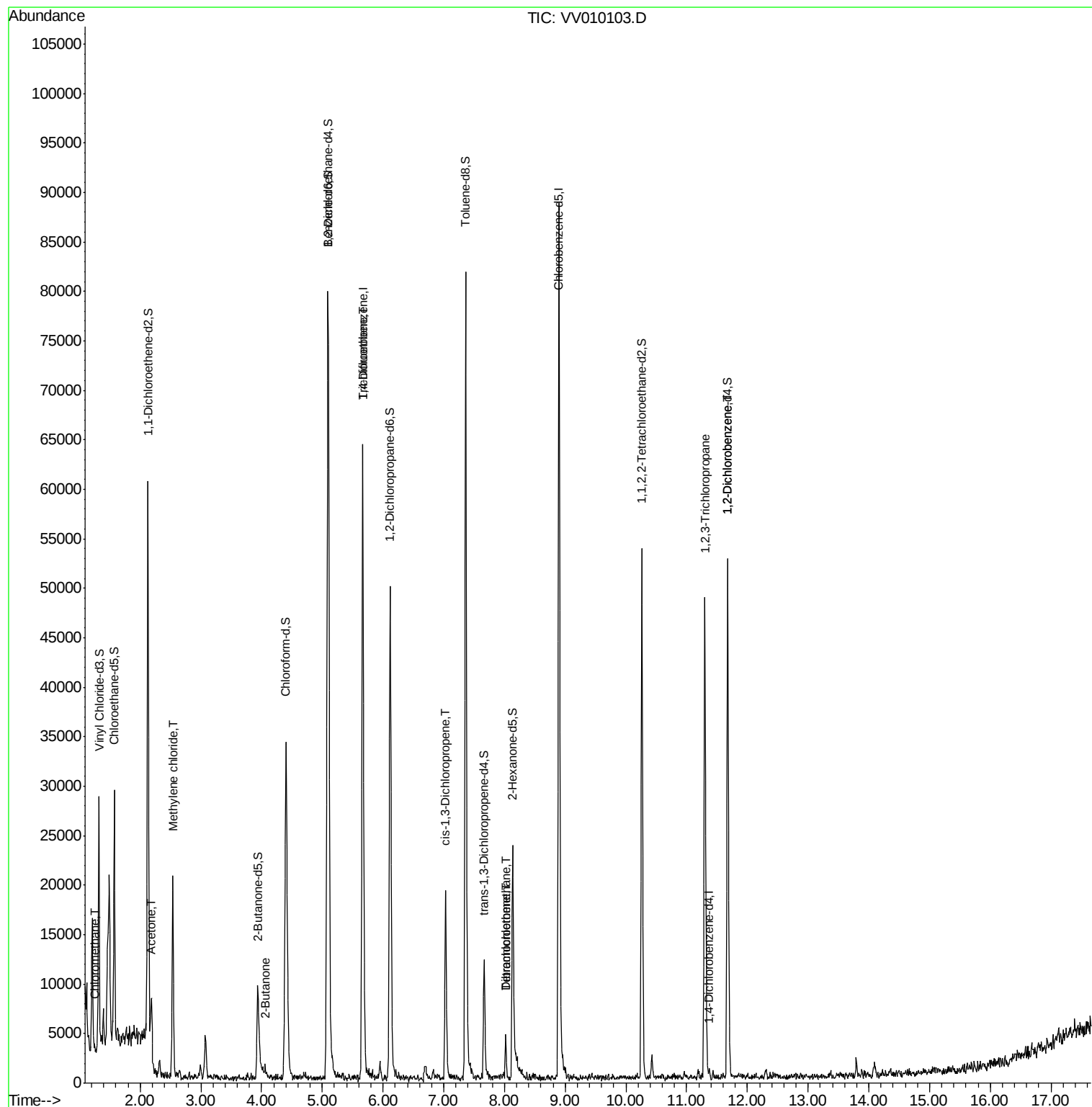
					Qvalue
3) Chloromethane	1.25	50	289	0.410 ug/L	88
13) Acetone	2.19	43	6874	33.407 ug/L	91
16) Methylene chloride	2.54	84	7990	8.324 ug/L	95
21) 2-Butanone	4.05	43	949	4.211 ug/L	93
35) Trichloroethene	5.66	95	1403	1.937 ug/L #	3
42) cis-1,3-Dichloropropene	7.03	75	804	0.873 ug/L	99
47) Tetrachloroethene	8.02	164	833	1.374 ug/L #	74
50) Dibromochloromethane	8.02	129	903	1.429 ug/L #	12
59) 1,2,3-Trichloropropane	11.30	75	1833	3.529 ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	41	16.536 ug/L #	1

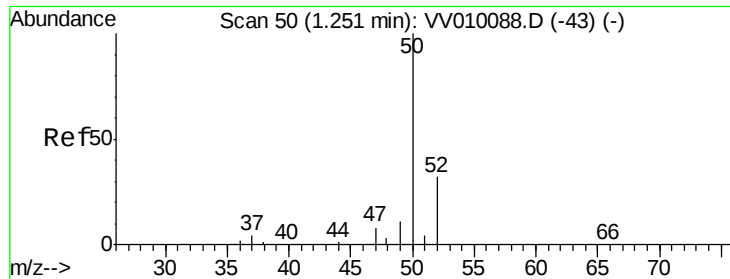
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
Data File : VV010103.D
Acq On : 03 Apr 2019 20:41
Operator : SY/MD
Sample : K2148-14
Misc : 5.31G/10mL/MSVOA_V/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5G1RE

Quant Time: Apr 04 06:07:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.410 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

Instrument :

MSVOA_V

ClientSampleId :

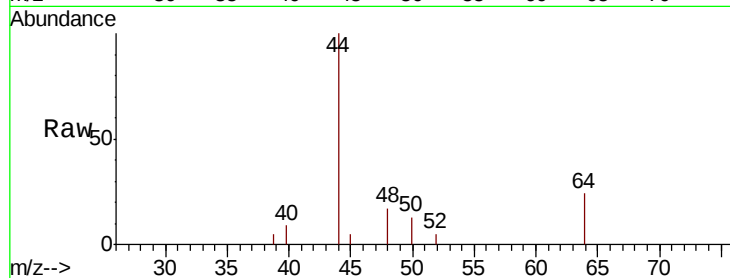
BF5G1RE

Tgt Ion: 50 Resp: 289

Ion Ratio Lower Upper

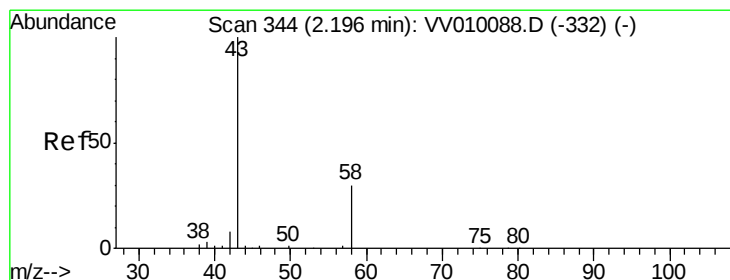
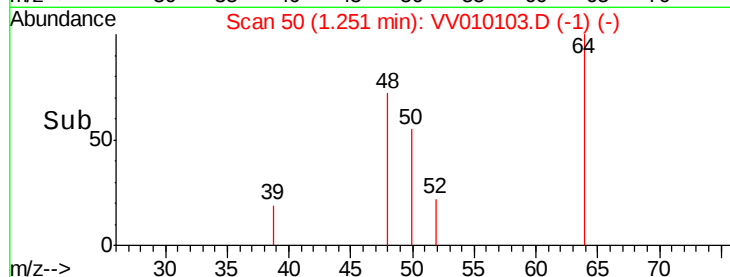
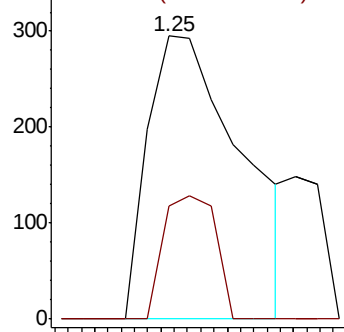
50 100

52 40.0 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#13

Acetone

Concen: 33.407 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010103.D

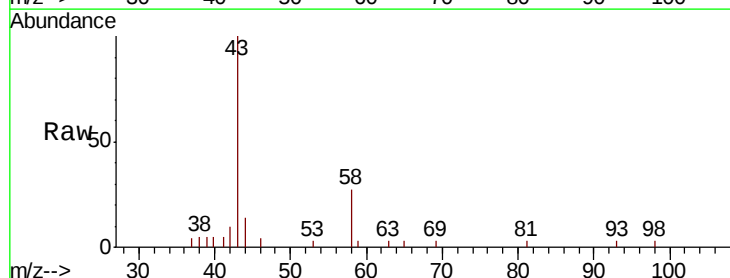
Acq: 03 Apr 2019 20:41

Tgt Ion: 43 Resp: 6874

Ion Ratio Lower Upper

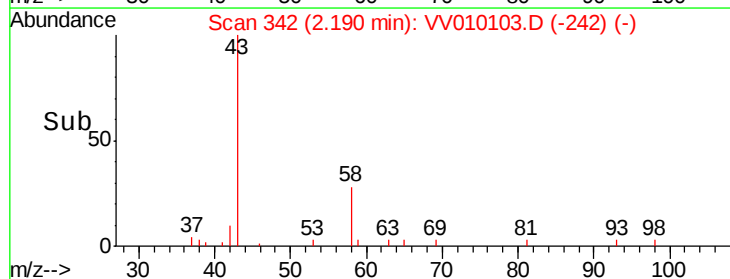
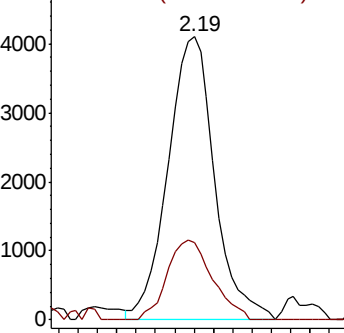
43 100

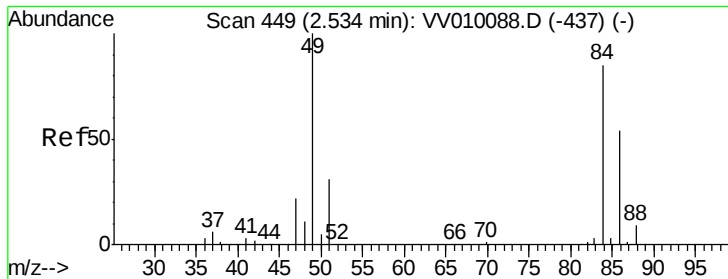
58 27.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

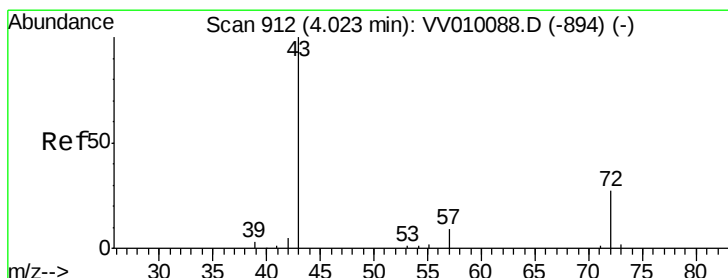
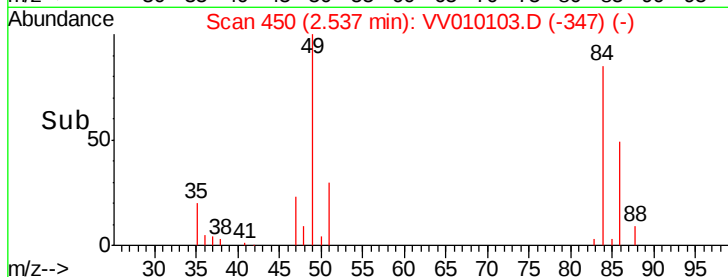
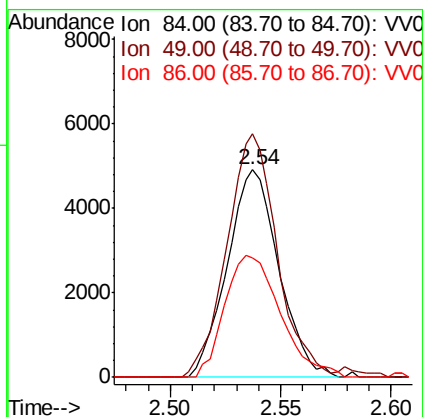
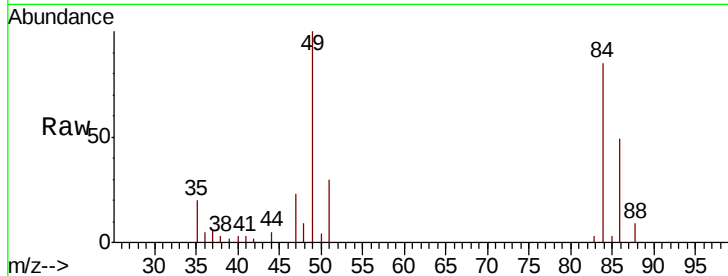




#16
Methylene chloride
Concen: 8.324 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010103.D
Acq: 03 Apr 2019 20:41

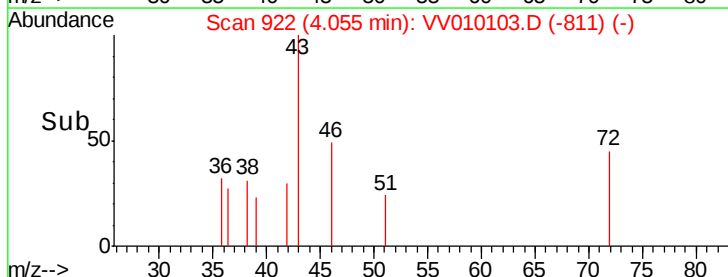
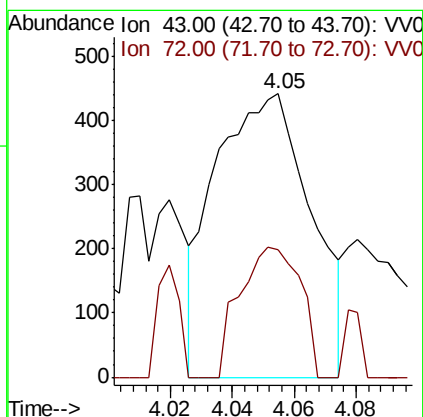
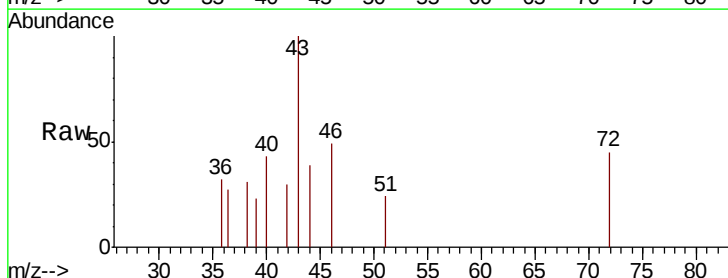
Instrument :
MSVOA_V
ClientSampleId :
BF5G1RE

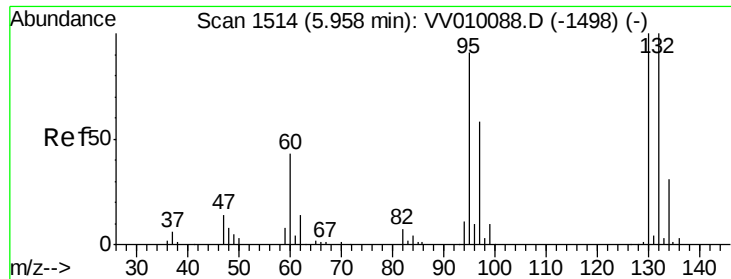
Tgt Ion: 84 Resp: 7990
Ion Ratio Lower Upper
84 100
49 117.3 84.3 156.5
86 57.8 45.4 84.2



#21
2-Butanone
Concen: 4.211 ug/L
RT: 4.05 min Scan# 922
Delta R.T. 0.03 min
Lab File: VV010103.D
Acq: 03 Apr 2019 20:41

Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
72 29.2 12.8 38.4





#35

Trichloroethene

Concen: 1.937 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

Instrument :

MSVOA_V

ClientSampleId :

BF5G1RE

Tgt Ion: 95 Resp: 1403

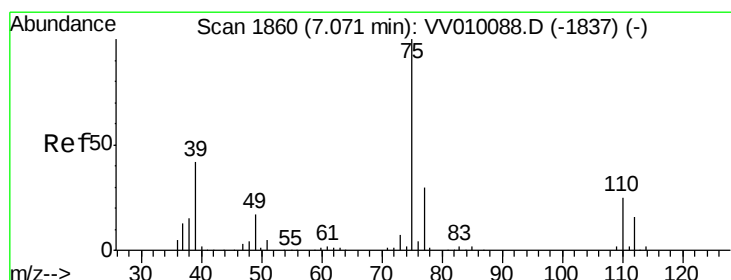
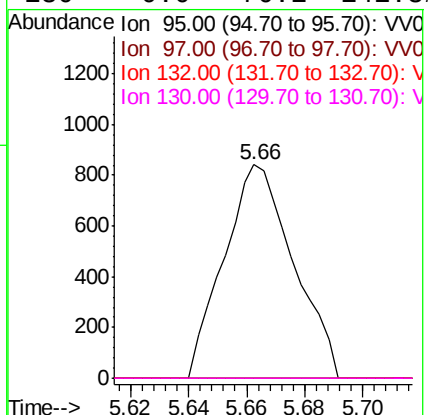
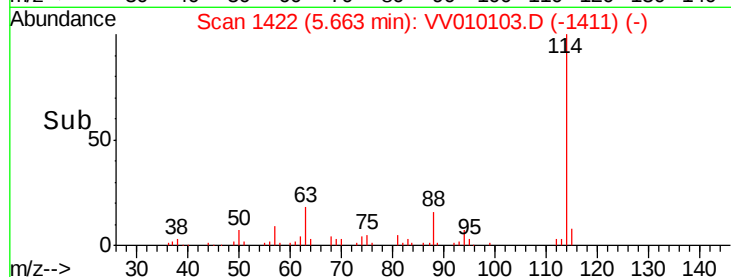
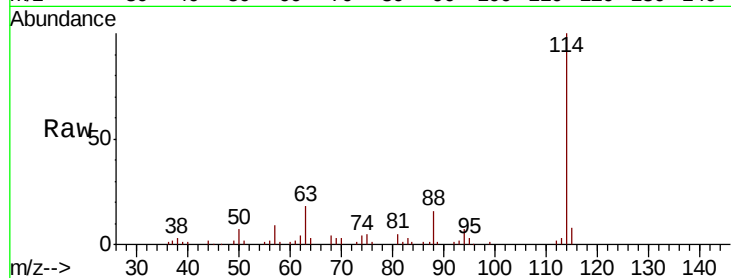
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 70.6 131.0#

130 0.0 76.1 141.3#



#42

cis-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010103.D

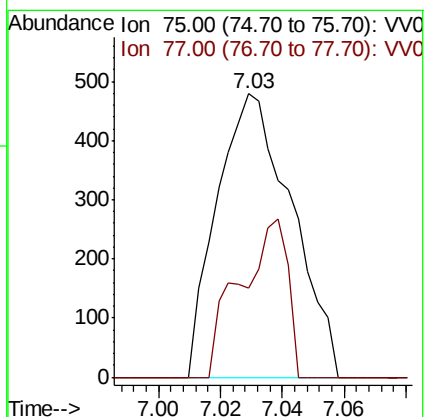
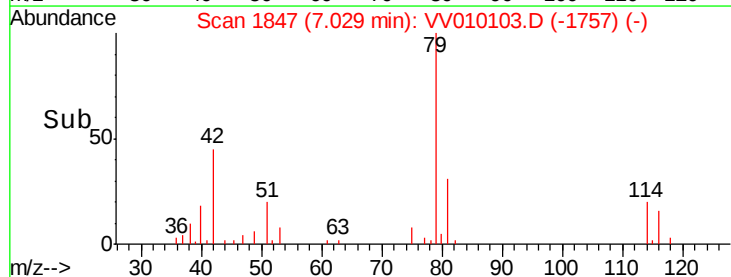
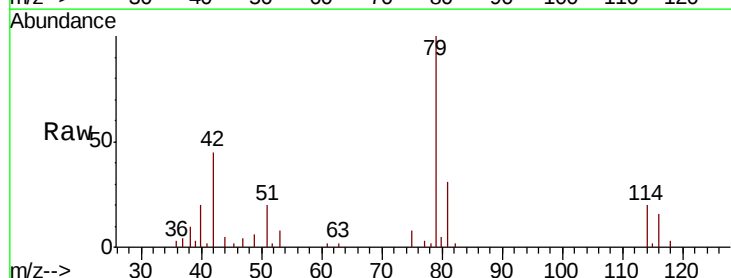
Acq: 03 Apr 2019 20:41

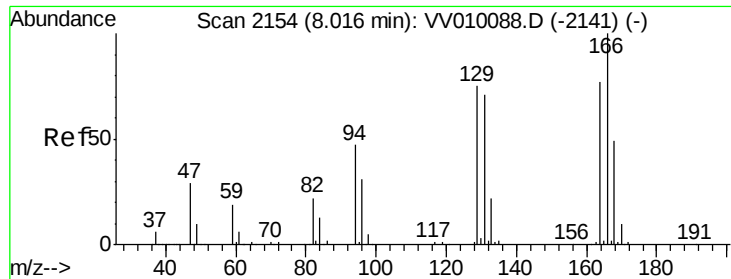
Tgt Ion: 75 Resp: 804

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1





#47

Tetrachloroethene

Concen: 1.374 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

Instrument :

MSVOA_V

ClientSampleId :

BF5G1RE

Tgt Ion:164 Resp: 833

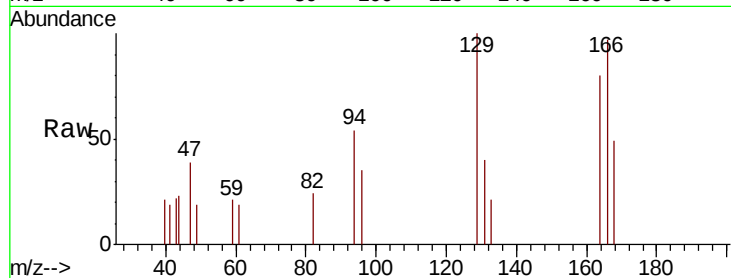
Ion Ratio Lower Upper

164 100

129 125.7 67.8 125.8

131 49.7 65.2 121.0#

166 121.4 93.8 174.2

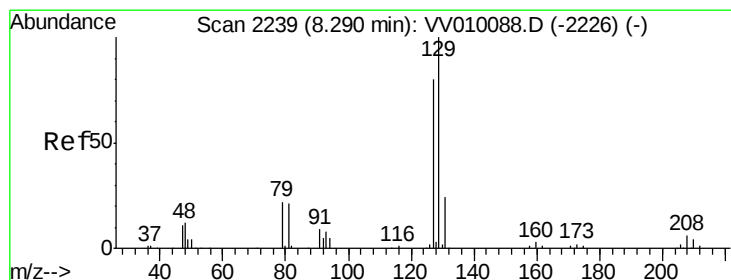
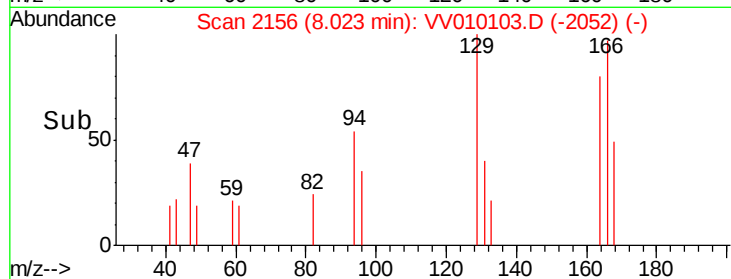
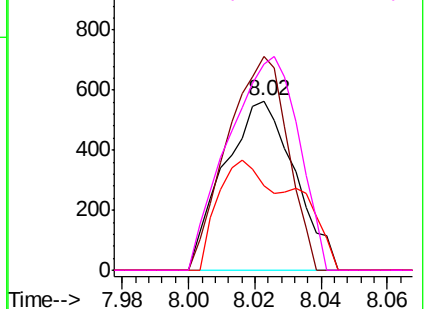


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.429 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV010103.D

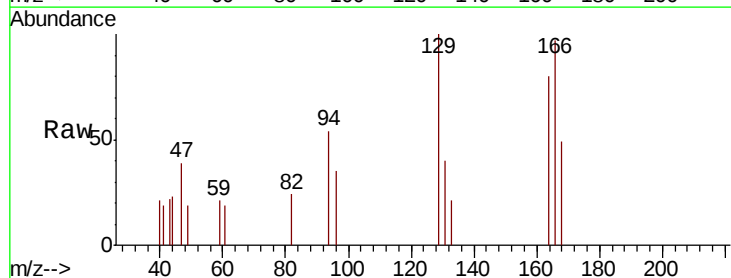
Acq: 03 Apr 2019 20:41

Tgt Ion:129 Resp: 903

Ion Ratio Lower Upper

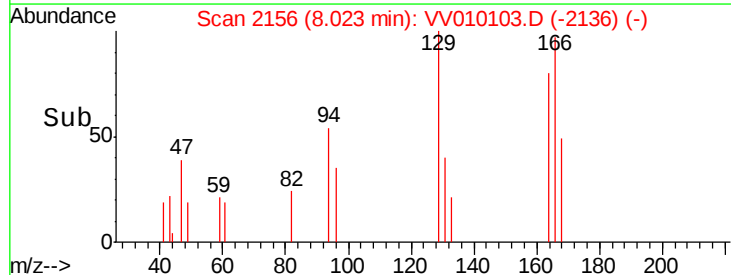
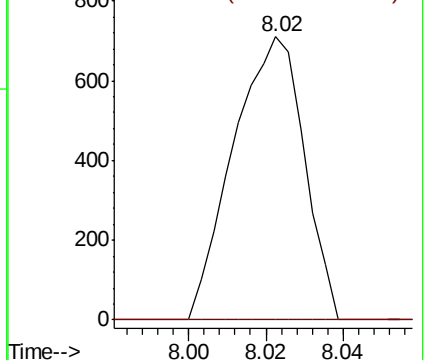
129 100

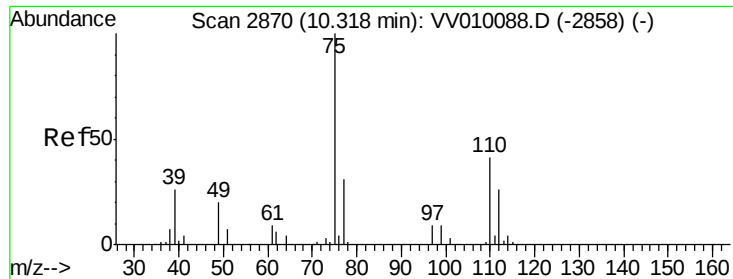
127 0.0 52.1 96.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 3.529 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

Instrument :

MSVOA_V

ClientSampleId :

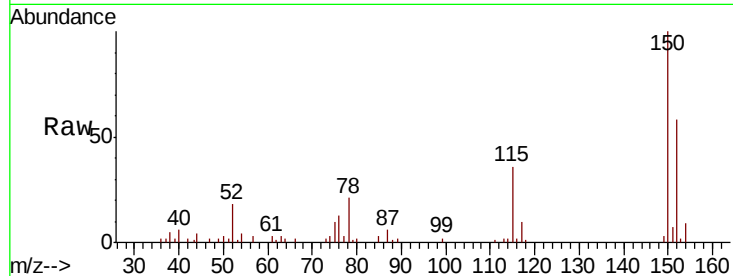
BF5G1RE

Tgt Ion: 75 Resp: 1833

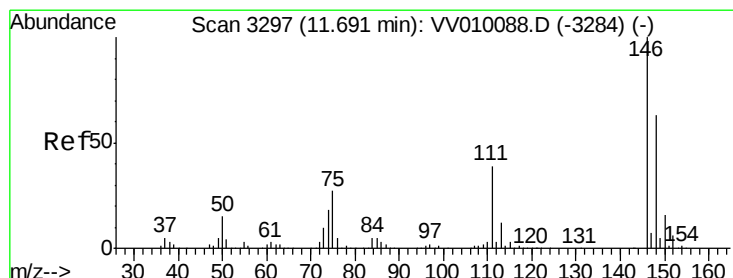
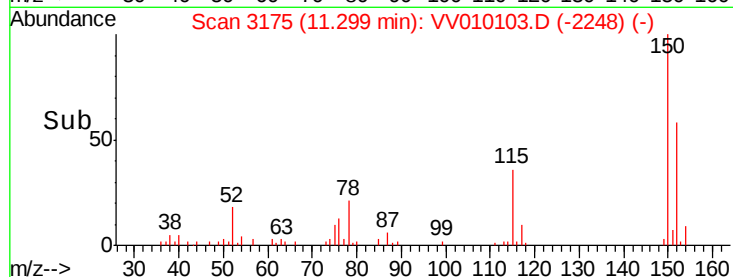
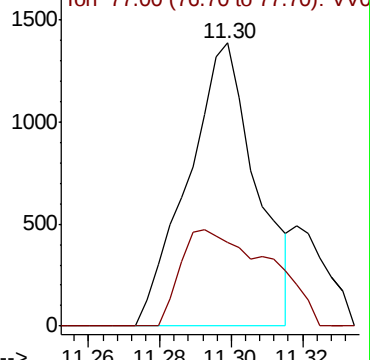
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV010103.D (-2248) (-)



#65

1,2-Dichlorobenzene

Concen: 16.536 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.01 min

Lab File: VV010103.D

Acq: 03 Apr 2019 20:41

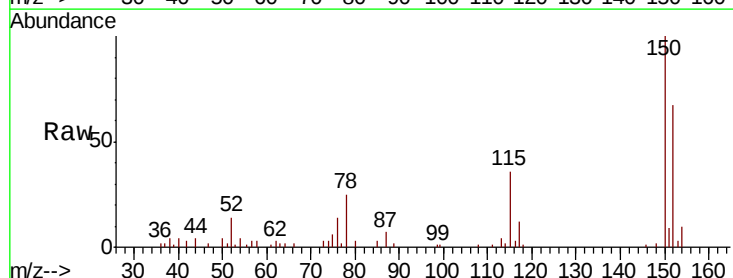
Tgt Ion: 146 Resp: 41

Ion Ratio Lower Upper

146 100

111 115.0 33.2 49.8#

148 172.0 51.4 77.0#



Abundance Ion 146.00 (145.70 to 146.70): VV010103.D (-3194) (-)

