

Data File : VV009050.D
Acq On : 19 Dec 2018 15:03
Operator : SY/MD
Sample : J6418-09
Misc : 3.61G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF004

Quant Time: Dec 20 02:02:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	231737	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	192453	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57685	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.24%
7) Chloroethane-d5	1.58	69	61896	34.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	139.76%
10) 1,1-Dichloroethene-d2	2.13	63	111534	18.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.40%
20) 2-Butanone-d5	3.93	46	27381	31.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.72%
24) Chloroform-d	4.40	84	143268	25.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.88%
26) 1,2-Dichloroethane-d4	5.08	65	79530	26.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.64%
29) Benzene-d6	5.10	84	286771	26.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.72%
33) 1,2-Dichloropropane-d6	6.12	67	83396	27.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.84%
37) Toluene-d8	7.36	98	250217	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.60%
38) trans-1,3-Dichloropropene-	7.66	79	30111	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
39) 2-Hexanone-d5	8.13	63	16350	29.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50866	20.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	58812	23.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.96%

Target Compounds

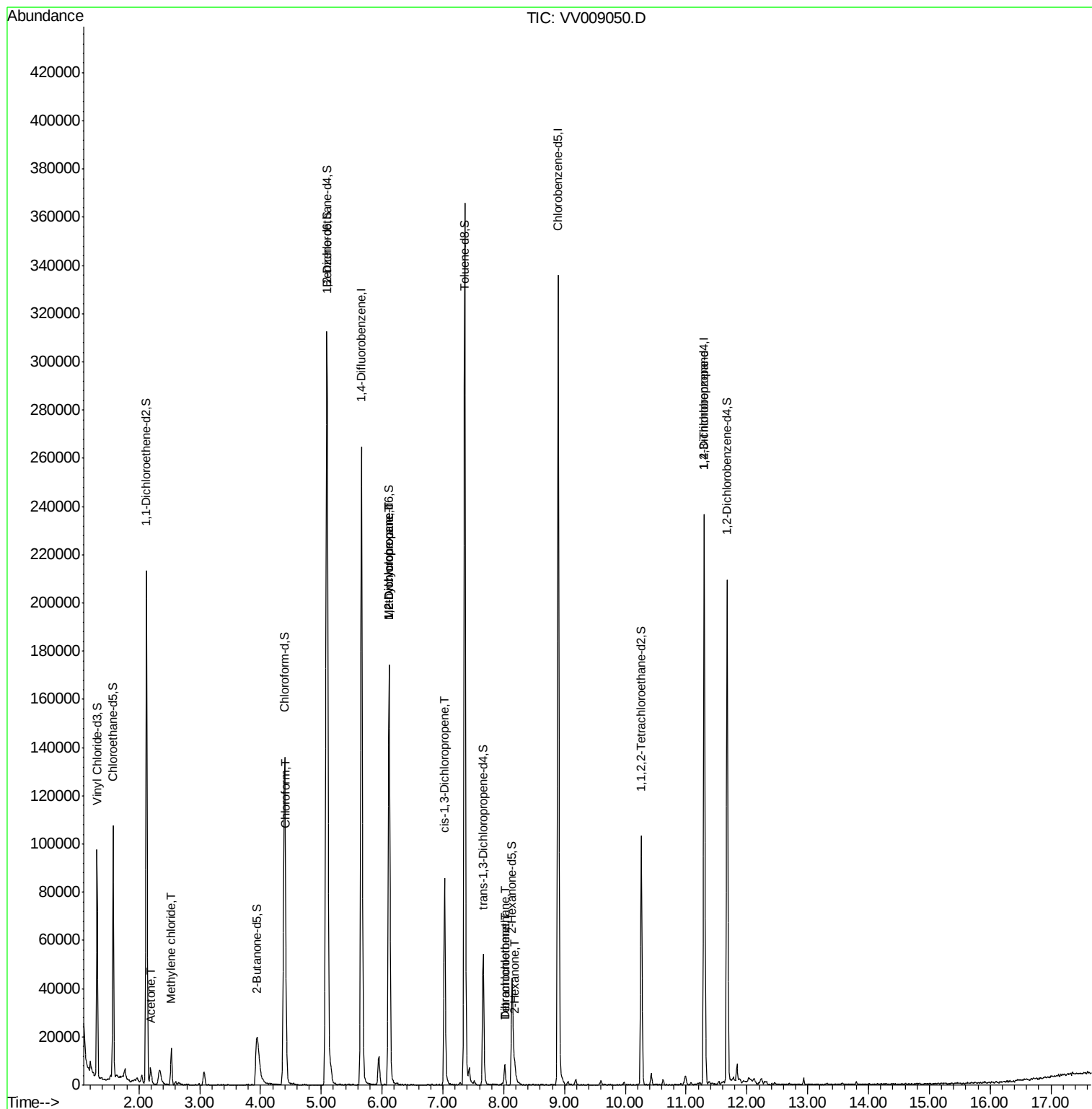
					Qvalue
13) Acetone	2.20	43	7457	5.797 ug/L	93
16) Methylene chloride	2.53	84	6454	1.654 ug/L	92
25) Chloroform	4.42	83	3372	0.600 ug/L #	64
36) Methylcyclohexane	6.12	83	21546	3.886 ug/L #	20
40) 1,2-Dichloropropane	6.11	63	9698	3.504 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1147	0.283 ug/L #	68
47) Tetrachloroethene	8.02	164	1975	0.699 ug/L	93
49) 2-Hexanone	8.18	43	3586	2.317 ug/L #	85
50) Dibromochloromethane	8.02	129	1816	0.687 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	7256	3.364 ug/L	94

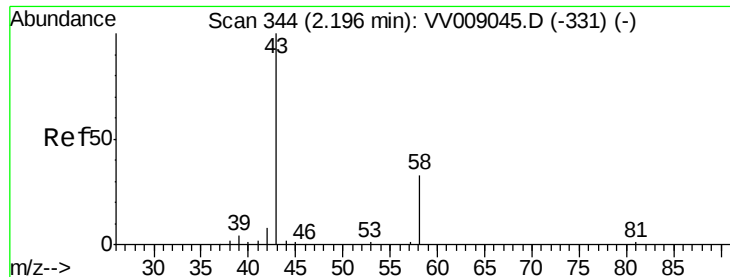
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.797 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV009050.D

Acq: 19 Dec 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

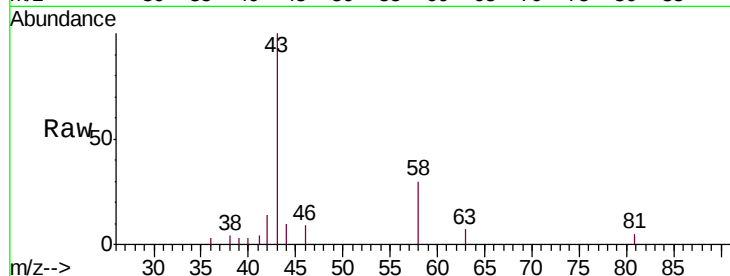
BF004

Tgt Ion: 43 Resp: 7457

Ion Ratio Lower Upper

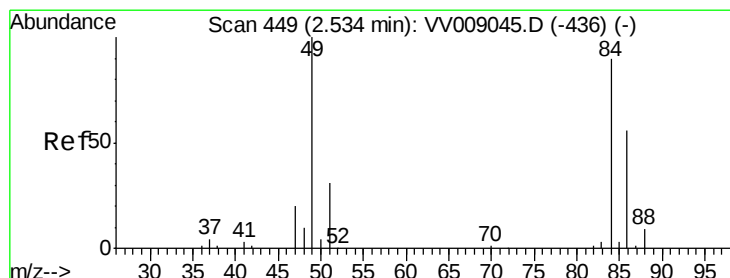
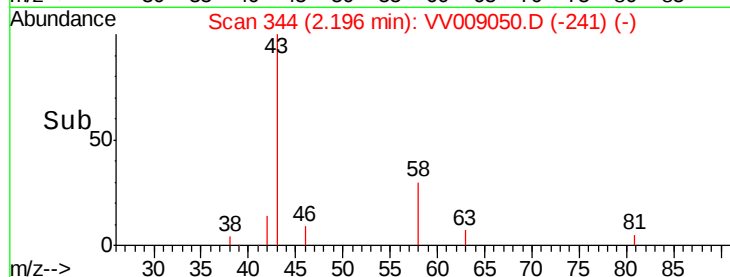
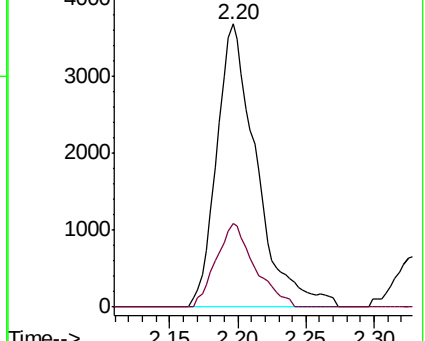
43 100

58 28.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-331) (-)



#16

Methylene chloride

Concen: 1.654 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009050.D

Acq: 19 Dec 2018 15:03

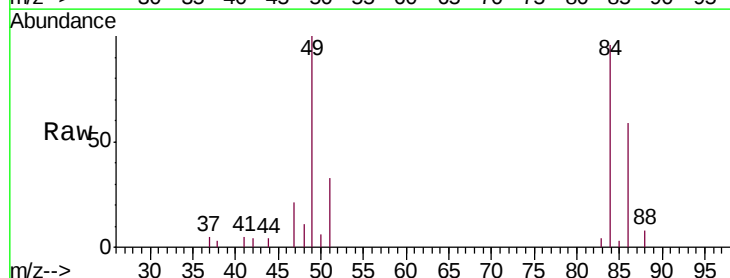
Tgt Ion: 84 Resp: 6454

Ion Ratio Lower Upper

84 100

49 104.4 80.5 149.5

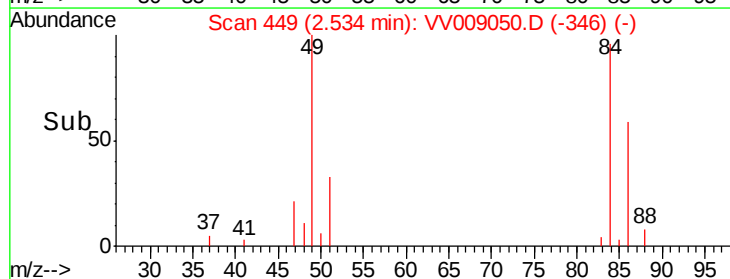
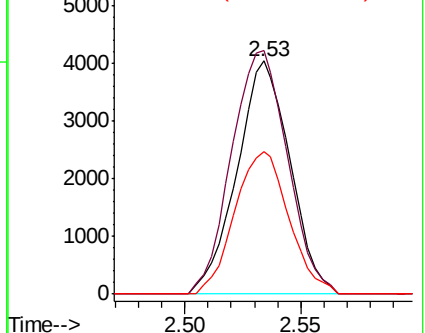
86 61.4 45.5 84.5

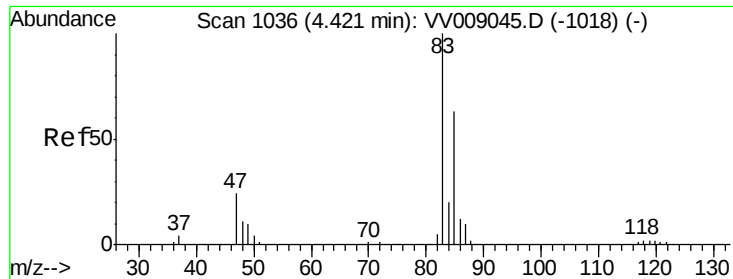


Abundance Ion 84.00 (83.70 to 84.70): VV009045.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009045.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009045.D (-436) (-)

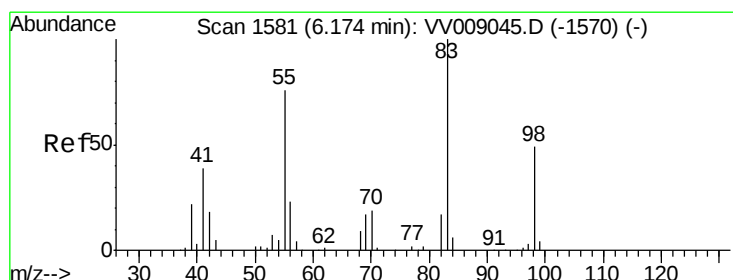
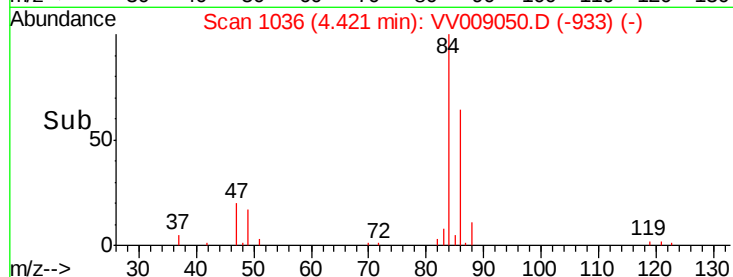
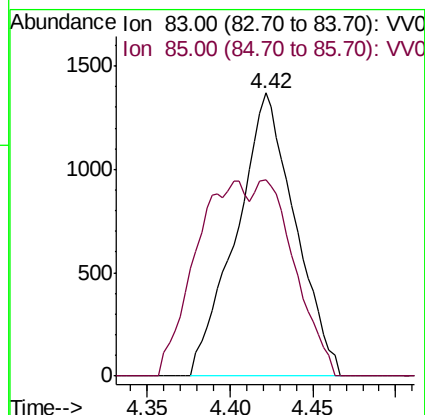
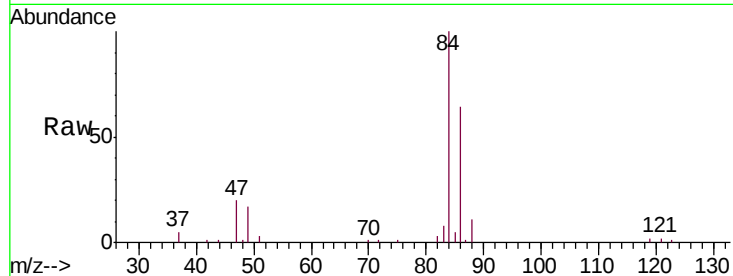




#25
Chloroform
Concen: 0.600 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009050.D
Acq: 19 Dec 2018 15:03

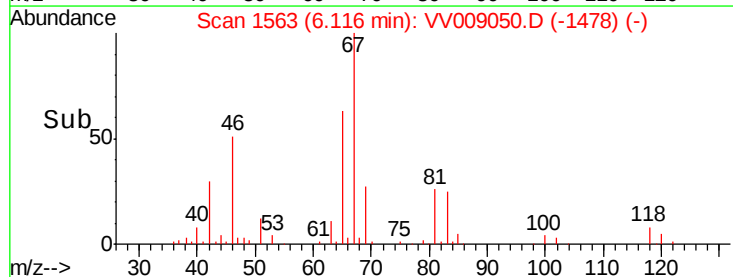
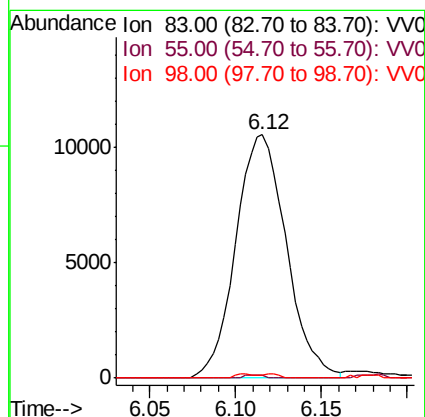
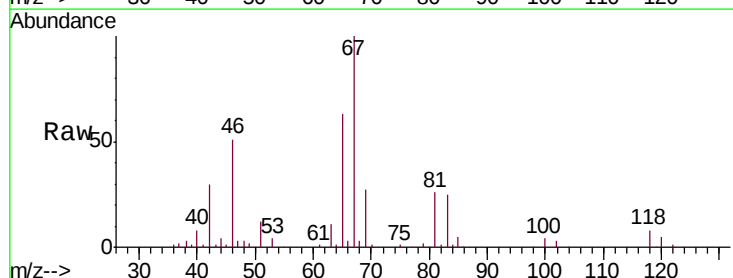
Instrument :
MSVOA_V
ClientSampleId :
BF004

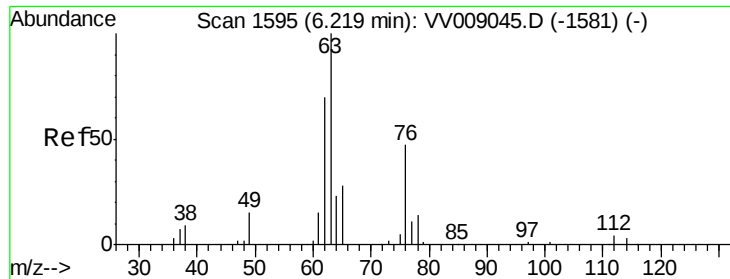
Tgt Ion: 83 Resp: 3372
Ion Ratio Lower Upper
83 100
85 36.9 45.6 84.8#



#36
Methylcyclohexane
Concen: 3.886 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009050.D
Acq: 19 Dec 2018 15:03

Tgt Ion: 83 Resp: 21546
Ion Ratio Lower Upper
83 100
55 0.5 58.2 87.2#
98 0.5 37.8 56.8#

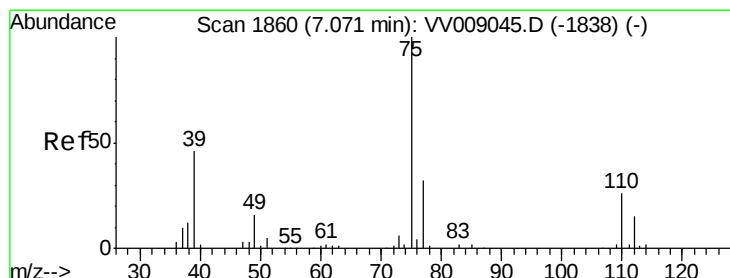
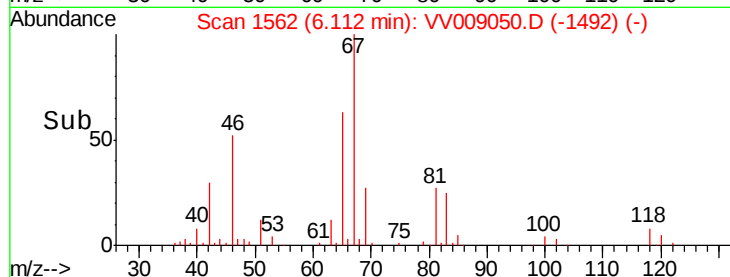
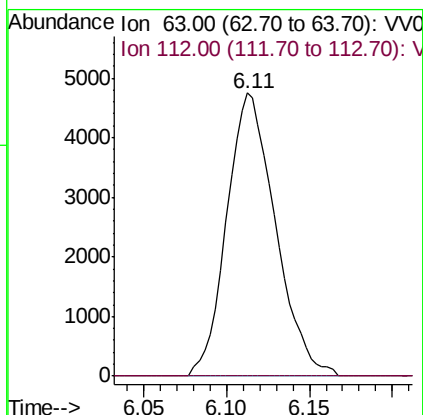
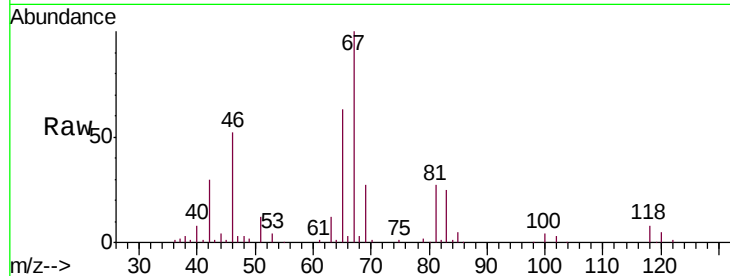




#40
 1,2-Dichloropropane
 Concen: 3.504 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV009050.D
 Acq: 19 Dec 2018 15:03

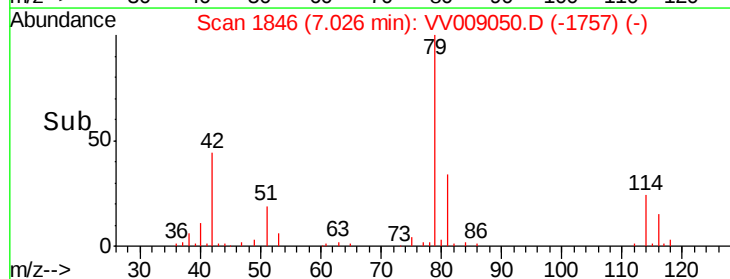
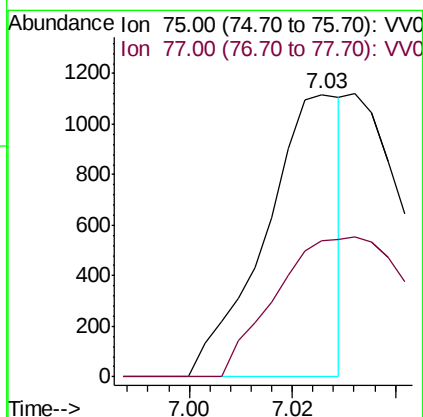
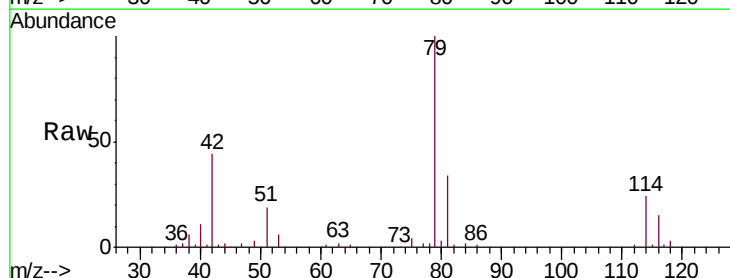
Instrument :
 MSVOA_V
 ClientSampled :
 BF004

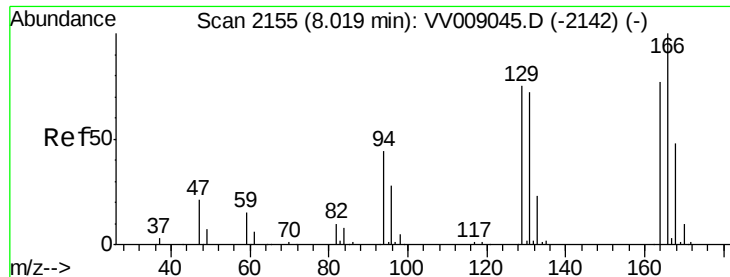
Tgt Ion: 63 Resp: 9698
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.283 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV009050.D
 Acq: 19 Dec 2018 15:03

Tgt Ion: 75 Resp: 1147
 Ion Ratio Lower Upper
 75 100
 77 48.0 21.3 39.6#





#47

Tetrachloroethene

Concen: 0.699 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009050.D

Acq: 19 Dec 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

BF004

Tgt Ion:164 Resp: 1975

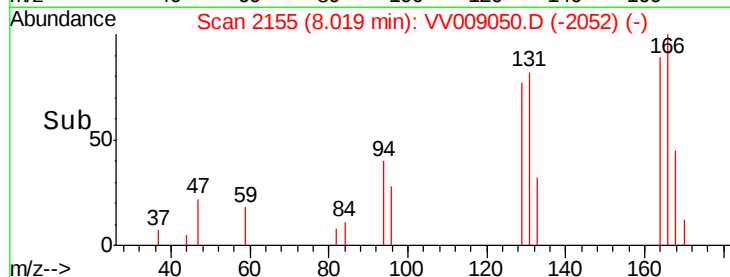
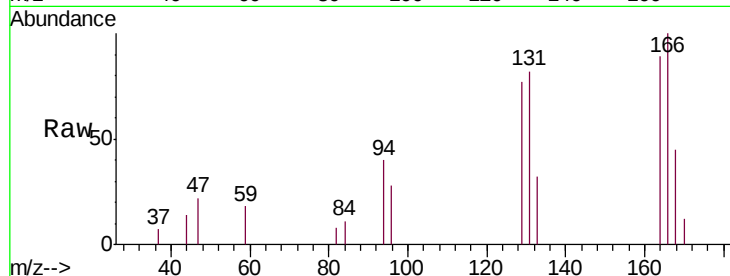
Ion Ratio Lower Upper

164 100

129 86.7 64.6 120.0

131 92.0 64.5 119.7

166 112.0 88.7 164.7

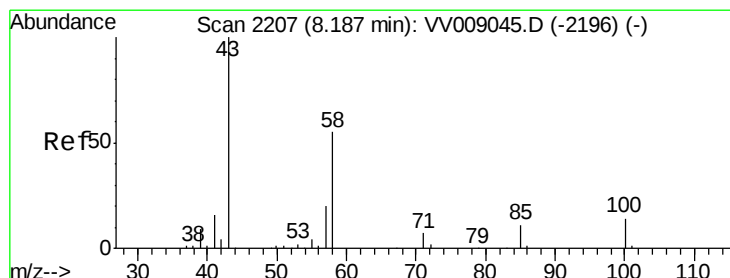
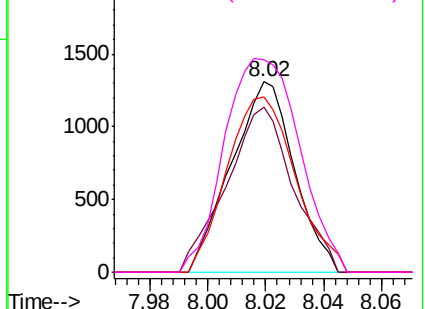


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 2.317 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009050.D

Acq: 19 Dec 2018 15:03

Tgt Ion: 43 Resp: 3586

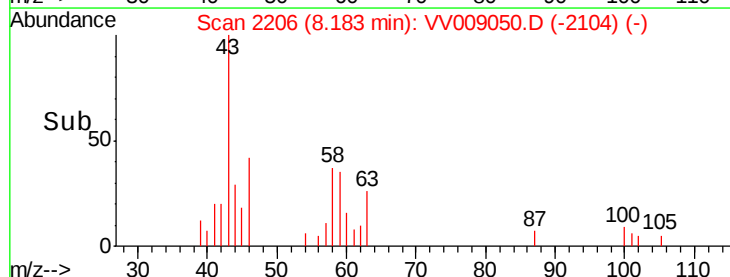
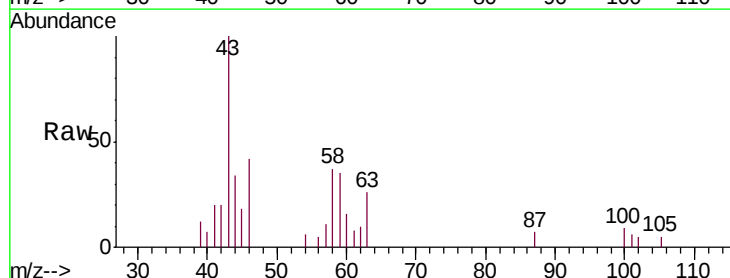
Ion Ratio Lower Upper

43 100

58 49.4 43.9 65.9

57 6.5 15.7 23.5#

100 4.4 11.0 16.4#

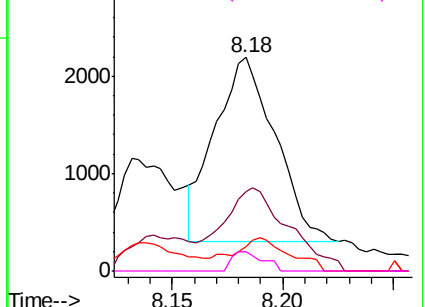


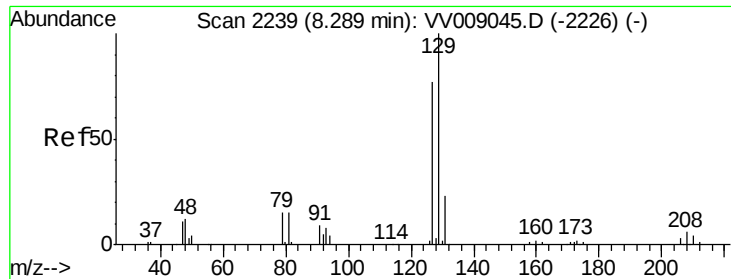
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

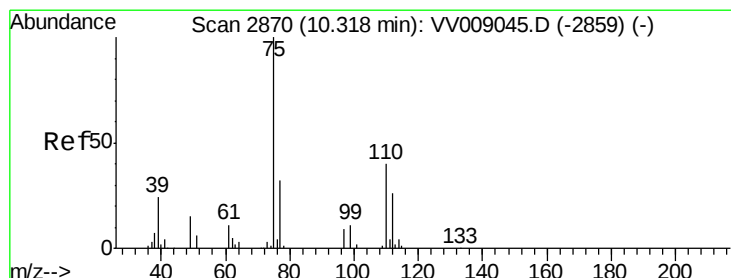
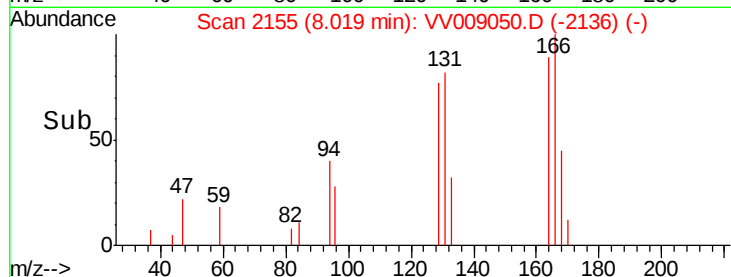
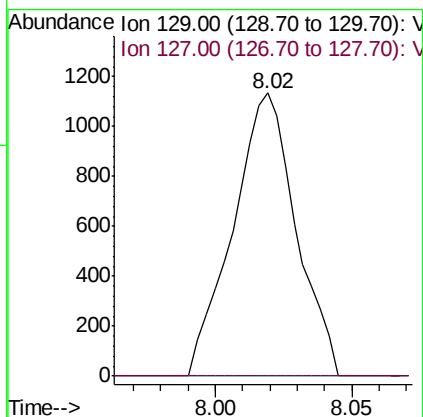
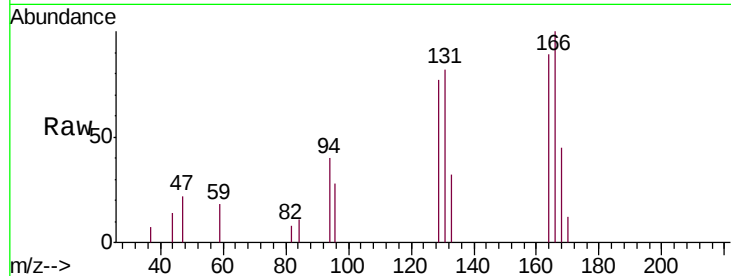




#50
 Dibromochloromethane
 Concen: 0.687 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV009050.D
 Acq: 19 Dec 2018 15:03

Instrument :
 MSVOA_V
 ClientSampled :
 BF004

Tgt Ion:129 Resp: 1816
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.3#



#59
 1,2,3-Trichloropropane
 Concen: 3.364 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009050.D
 Acq: 19 Dec 2018 15:03

Tgt Ion: 75 Resp: 7256
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.6 38.4

