

Data File : VV009532.D
Acq On : 07 Mar 2019 16:33
Operator : SY/MD
Sample : K1789-12
Misc : 5.89G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF2K6

Quant Time: Mar 08 03:05:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163759	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155065	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67466	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35816	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.68%
7) Chloroethane-d5	1.58	69	37967	13.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.28%
10) 1,1-Dichloroethene-d2	2.13	63	80454	15.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.72%
20) 2-Butanone-d5	3.93	46	22656	33.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.46%
24) Chloroform-d	4.40	84	79245	20.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.24%
26) 1,2-Dichloroethane-d4	5.08	65	50378	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.80%
29) Benzene-d6	5.10	84	176485	22.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.92%
33) 1,2-Dichloropropane-d6	6.12	67	55145	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.32%
37) Toluene-d8	7.36	98	174624	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.28%
38) trans-1,3-Dichloropropene-	7.66	79	22578	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.24%
39) 2-Hexanone-d5	8.13	63	18865	35.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47754	19.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	59179	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

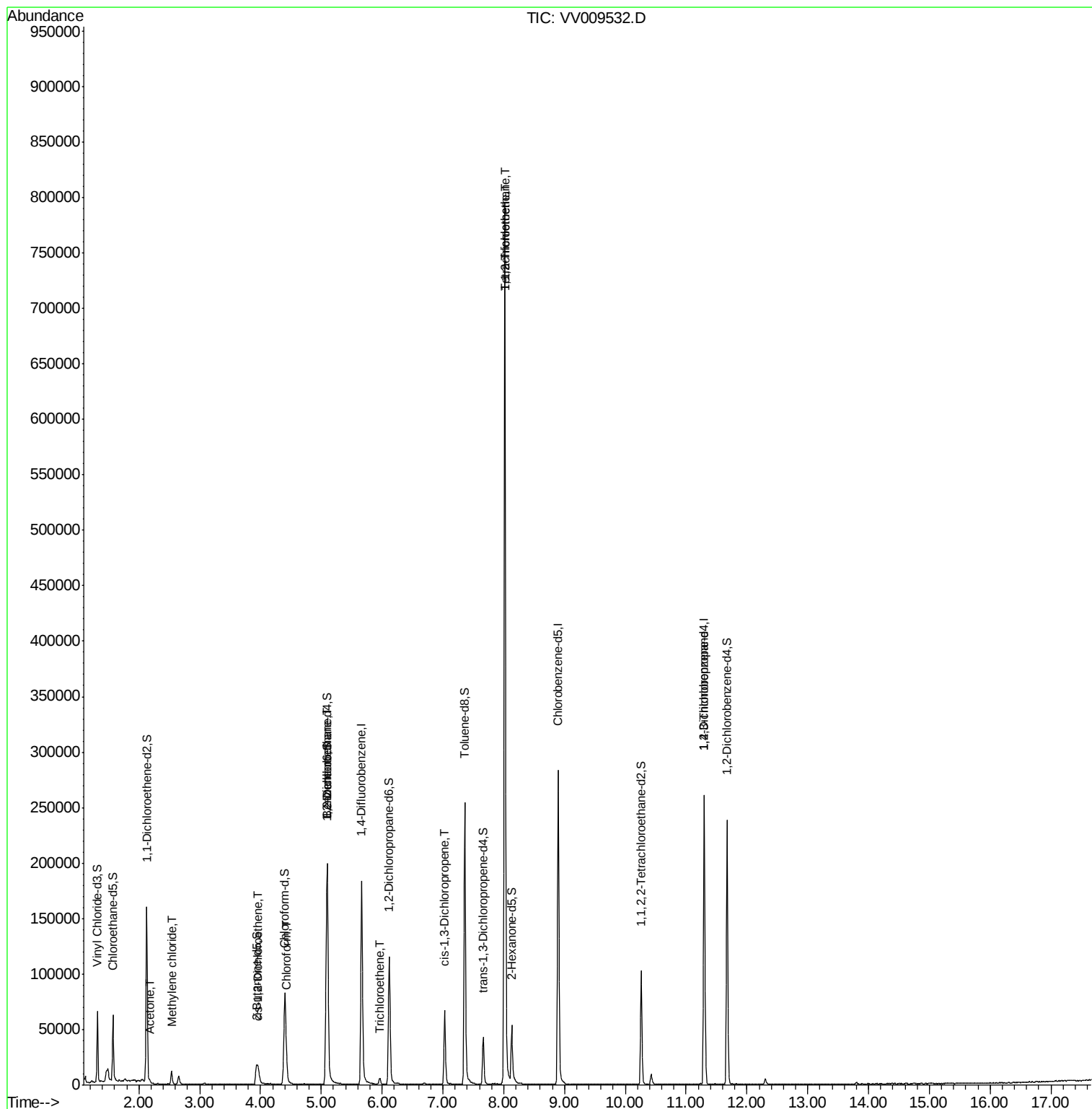
					Qvalue
13) Acetone	2.19	43	909	1.331 ug/L	70
16) Methylene chloride	2.54	84	5020	2.336 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	3570	1.617 ug/L	88
25) Chloroform	4.43	83	10182	2.648 ug/L	88
27) 1,2-Dichloroethane	5.09	62	846	0.317 ug/L #	77
35) Trichloroethene	5.96	95	983	0.427 ug/L #	24
42) cis-1,3-Dichloropropene	7.03	75	2048	0.639 ug/L #	69
46) 1,1,2-Trichloroethane	8.02	97	1615	0.941 ug/L #	10
47) Tetrachloroethene	8.02	164	161340	92.378 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	9711	5.558 ug/L	91

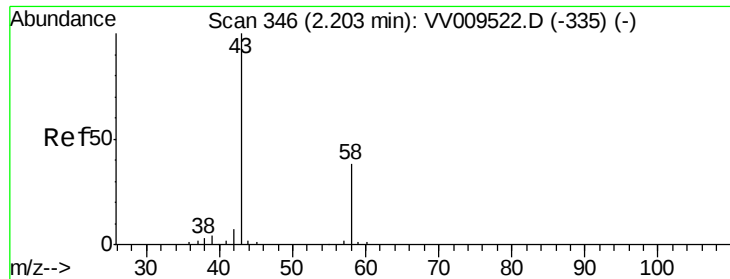
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.331 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV009532.D

Acq: 07 Mar 2019 16:33

Instrument :

MSVOA_V

ClientSampled :

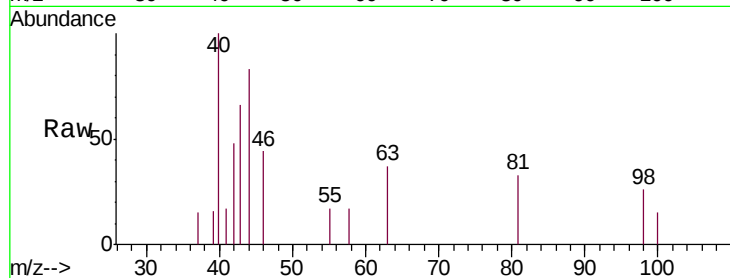
BF2K6

Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

58 17.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

400

300

200

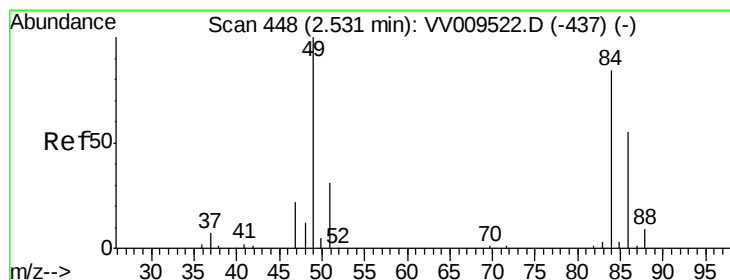
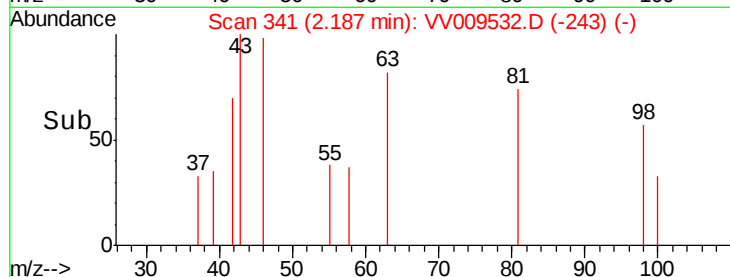
100

0

2.15

2.20

Time-->



#16

Methylene chloride

Concen: 2.336 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV009532.D

Acq: 07 Mar 2019 16:33

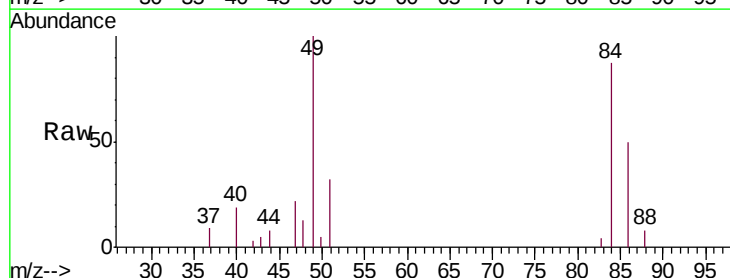
Tgt Ion: 84 Resp: 5020

Ion Ratio Lower Upper

84 100

49 115.4 84.6 157.0

86 57.9 46.1 85.7



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

4000

3000

2000

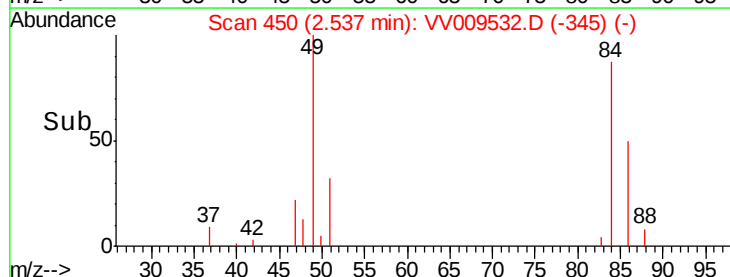
1000

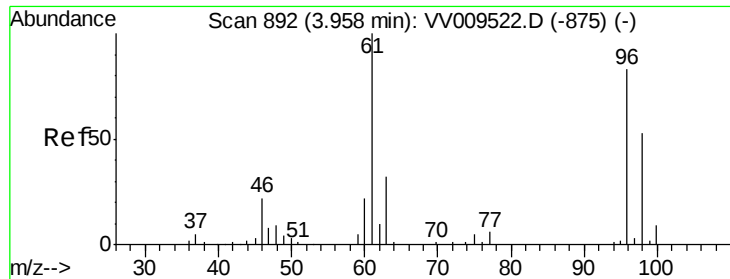
0

2.50

2.55

Time-->





#22

cis-1,2-Dichloroethene

Concen: 1.617 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV009532.D

Acq: 07 Mar 2019 16:33

Instrument :

MSVOA_V

ClientSampleId :

BF2K6

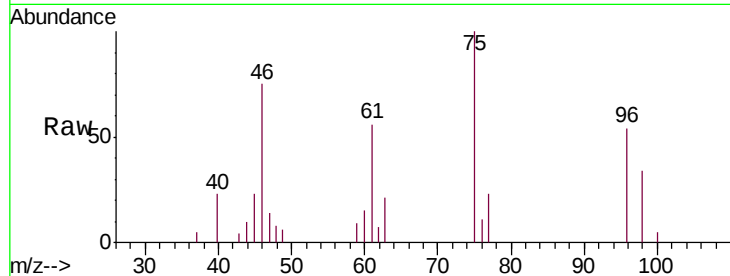
Tgt Ion: 96 Resp: 3570

Ion Ratio Lower Upper

96 100

61 104.5 87.2 161.9

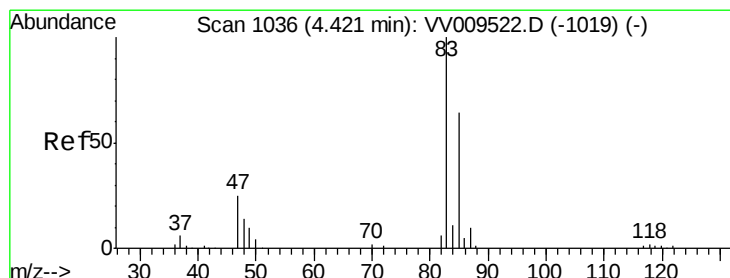
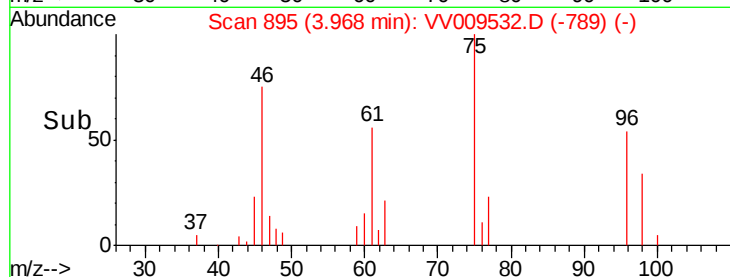
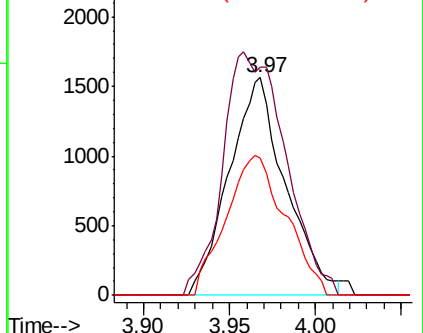
98 62.9 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV009532.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV009532.D (-875) (-)

Ion 98.00 (97.70 to 98.70): VV009532.D (-875) (-)



#25

Chloroform

Concen: 2.648 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV009532.D

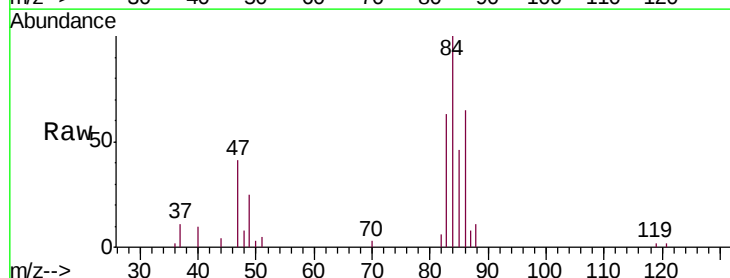
Acq: 07 Mar 2019 16:33

Tgt Ion: 83 Resp: 10182

Ion Ratio Lower Upper

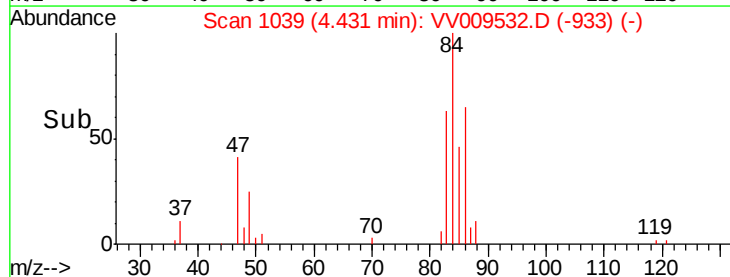
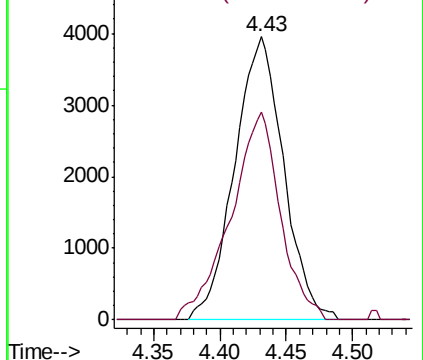
83 100

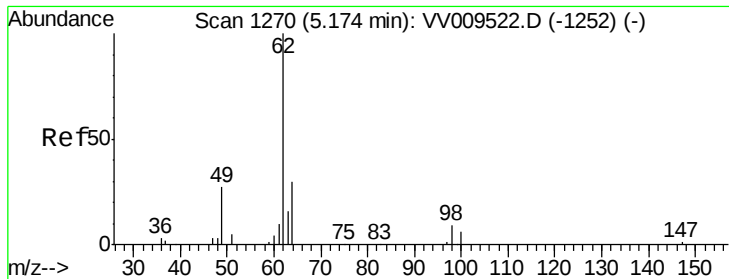
85 74.3 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009532.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV009532.D (-1019) (-)

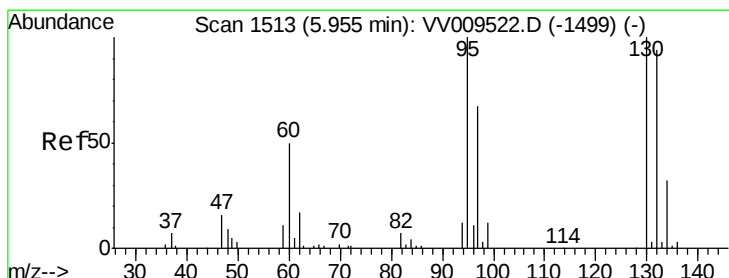
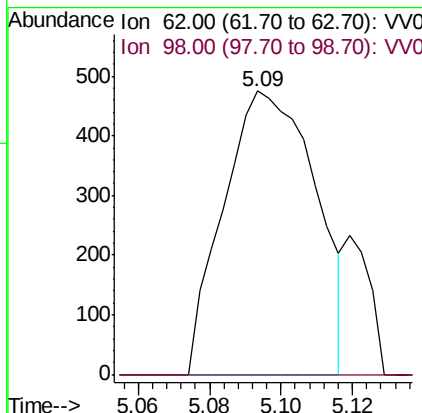
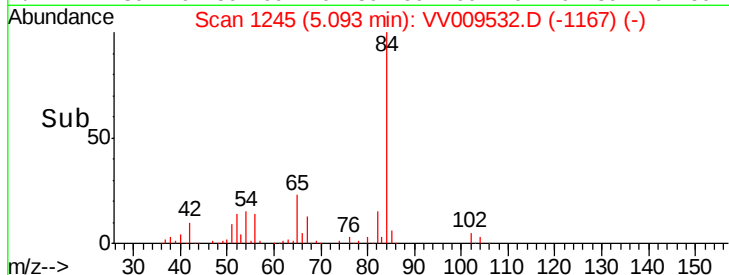
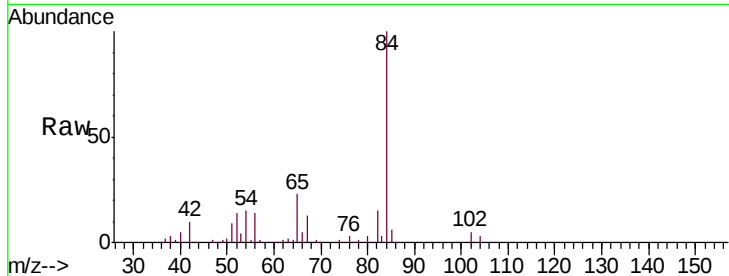




#27
 1,2-Dichloroethane
 Concen: 0.317 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV009532.D
 Acq: 07 Mar 2019 16:33

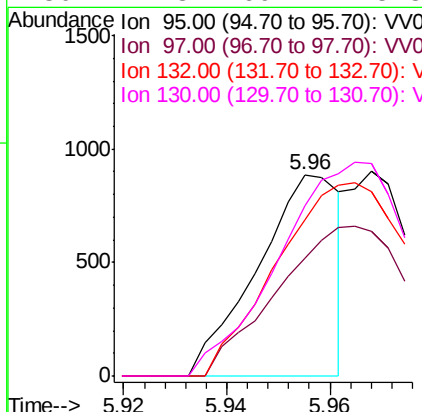
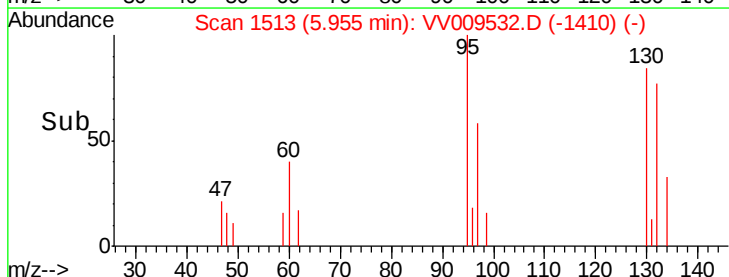
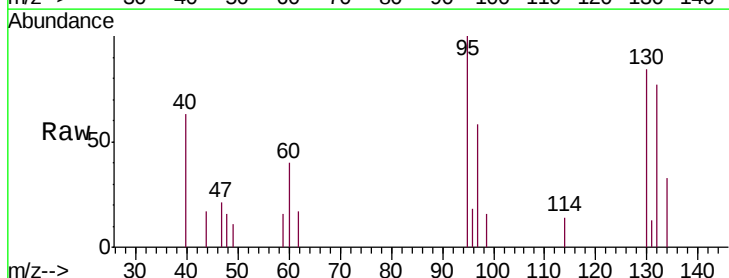
Instrument :
 MSVOA_V
 ClientSampled :
 BF2K6

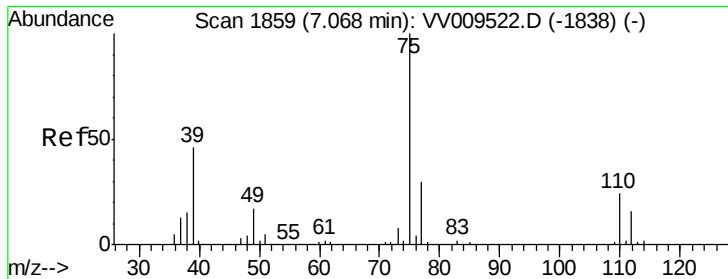
Tgt Ion: 62 Resp: 846
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Trichloroethene
 Concen: 0.427 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV009532.D
 Acq: 07 Mar 2019 16:33

Tgt Ion: 95 Resp: 983
 Ion Ratio Lower Upper
 95 100
 97 127.5 44.3 82.3#
 132 164.2 64.4 119.6#
 130 171.3 69.4 128.8#



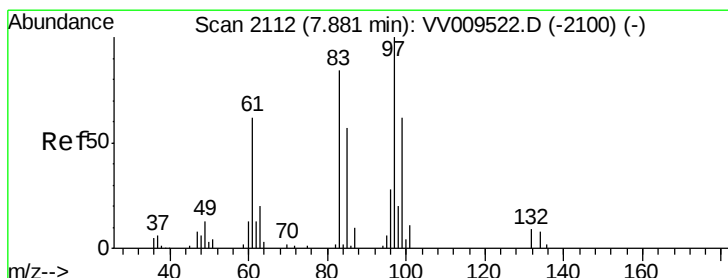
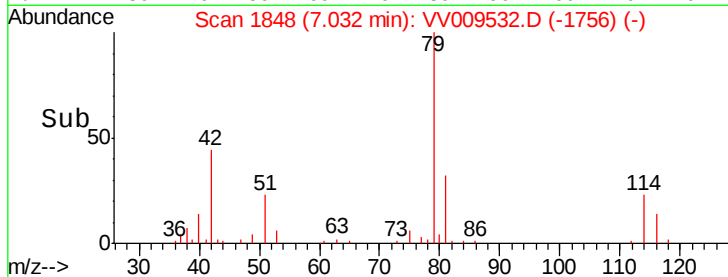
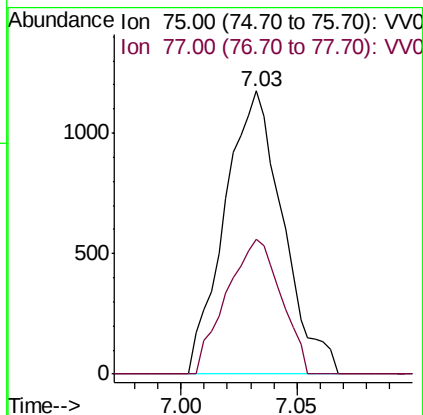
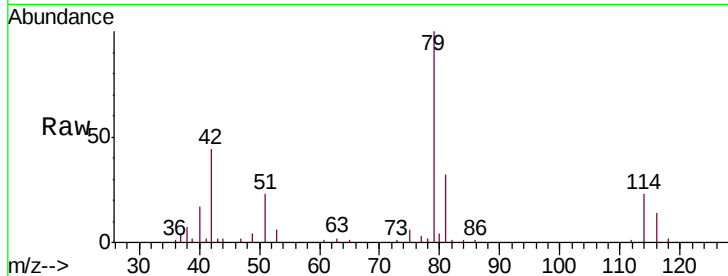


#42

cis-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009532.D
Acq: 07 Mar 2019 16:33

Instrument :
MSVOA_V
ClientSampled :
BF2K6

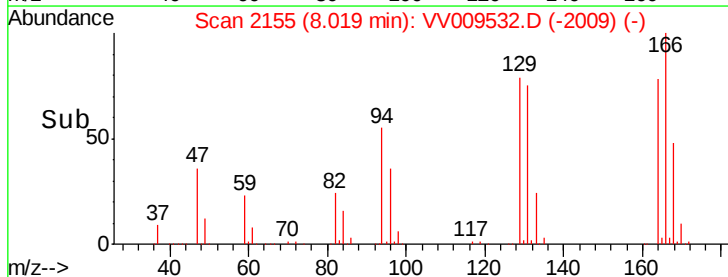
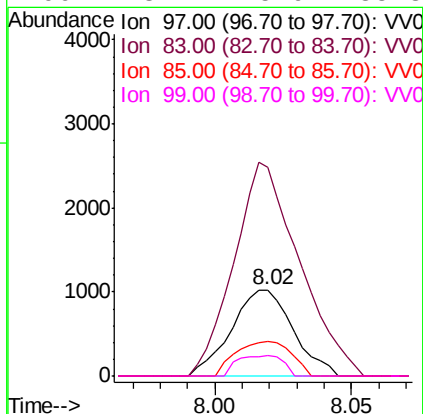
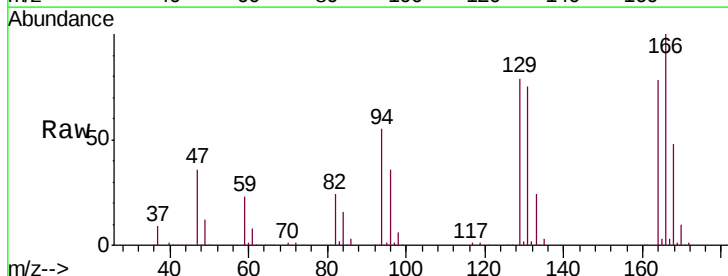
Tgt Ion: 75 Resp: 2048
Ion Ratio Lower Upper
75 100
77 47.8 21.4 39.8#

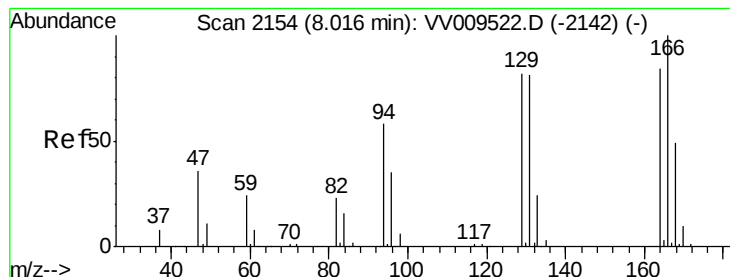


#46

1,1,2-Trichloroethane
Concen: 0.941 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.14 min
Lab File: VV009532.D
Acq: 07 Mar 2019 16:33

Tgt Ion: 97 Resp: 1615
Ion Ratio Lower Upper
97 100
83 241.3 63.8 118.6#
85 40.4 39.5 73.4
99 23.7 45.9 85.3#





#47

Tetrachloroethene

Concen: 92.378 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009532.D

Acq: 07 Mar 2019 16:33

Instrument :

MSVOA_V

ClientSampleId :

BF2K6

Tgt Ion:164 Resp: 161340

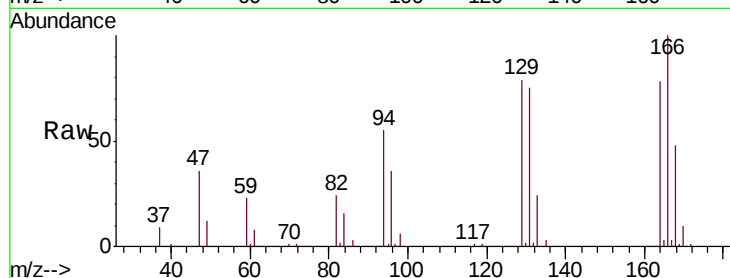
Ion Ratio Lower Upper

164 100

129 101.0 67.7 125.7

131 96.1 67.5 125.3

166 128.4 81.6 151.6

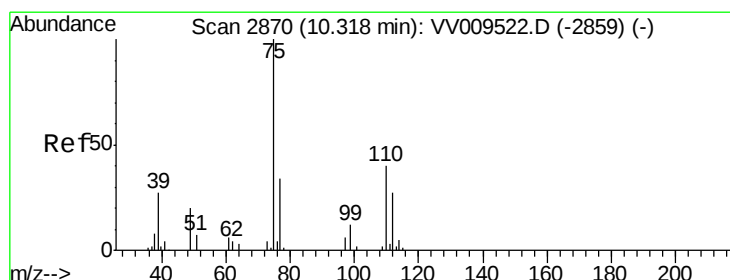
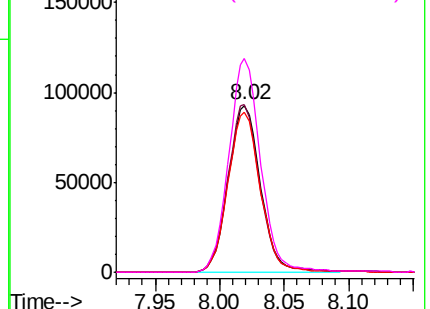
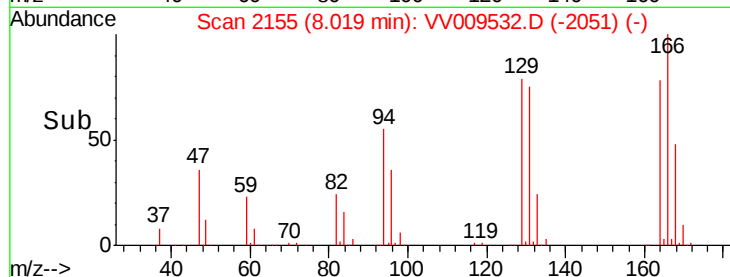


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.558 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009532.D

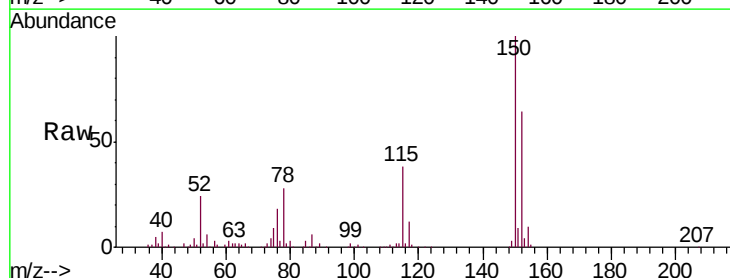
Acq: 07 Mar 2019 16:33

Tgt Ion: 75 Resp: 9711

Ion Ratio Lower Upper

75 100

77 37.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

