

Data File : VV011267.D
Acq On : 07 Jun 2019 02:54
Operator : SY/MD
Sample : K3226-08
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCN6

Quant Time: Jun 07 03:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 02:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158103	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61799	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57184	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	45370	4.56	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.12	63	89753	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.96	46	153494	56.91	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.82%
24) Chloroform-d	4.40	84	101325	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.08	65	59096	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	206509	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	64782	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	184711	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	19890	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.13	63	117007	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45738	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	61637	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

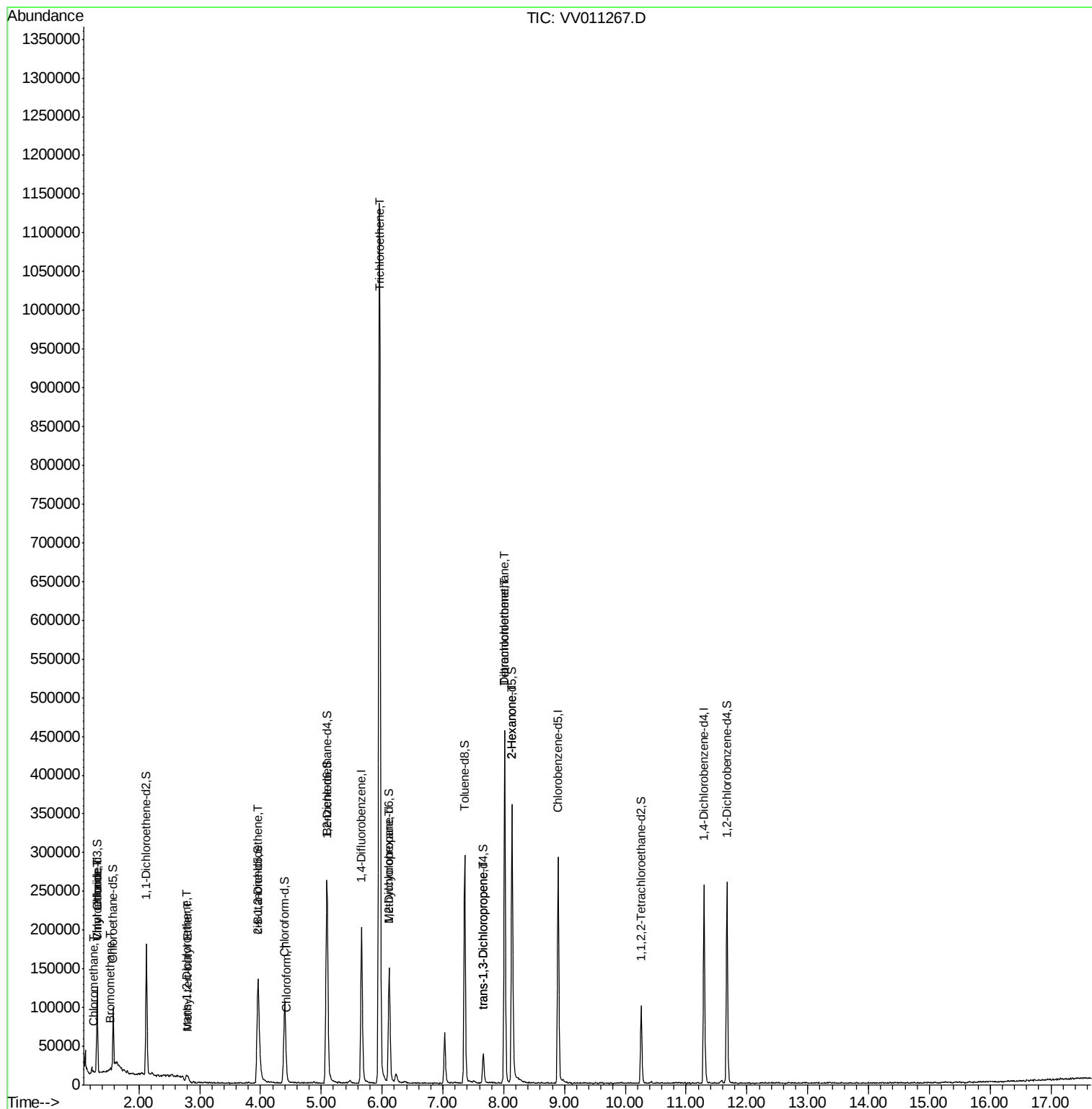
					Qvalue
3) Chloromethane	1.25	50	1555	0.103 ug/L #	76
5) Vinyl chloride	1.32	62	8624	0.593 ug/L #	79
6) Bromomethane	1.53	94	1084	0.143 ug/L	97
8) Chloroethane	1.32	64	4751	0.511 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	6243	0.235 ug/L #	78
18) trans-1,2-Dichloroethene	2.78	96	1682	0.151 ug/L #	80
22) cis-1,2-Dichloroethene	3.96	96	29751	2.409 ug/L	91
25) Chloroform	4.43	83	2856	0.126 ug/L	86
34) Trichloroethene	5.95	95	385028	32.230 ug/L	99
35) Methylcyclohexane	6.12	83	15384	0.779 ug/L #	16
44) trans-1,3-Dichloropropene	7.67	75	1353	0.106 ug/L	99
47) Tetrachloroethene	8.02	164	90421	10.473 ug/L	98
48) 2-Hexanone	8.13	43	17097	3.345 ug/L #	76
49) Dibromochloromethane	8.02	129	84001	10.038 ug/L #	11

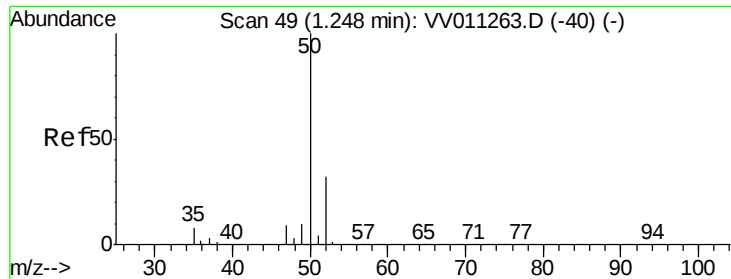
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.103 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

Instrument :

MSVOA_V

ClientSampleId :

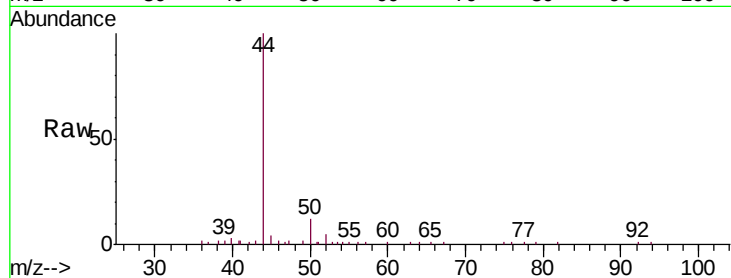
BFCN6

Tgt Ion: 50 Resp: 1555

Ion Ratio Lower Upper

50 100

52 45.5 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV011267.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011267.D (-1) (-)

1.25

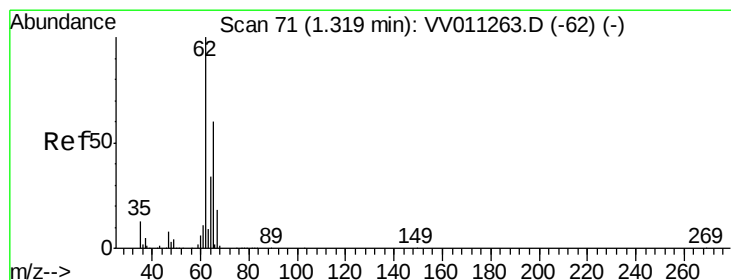
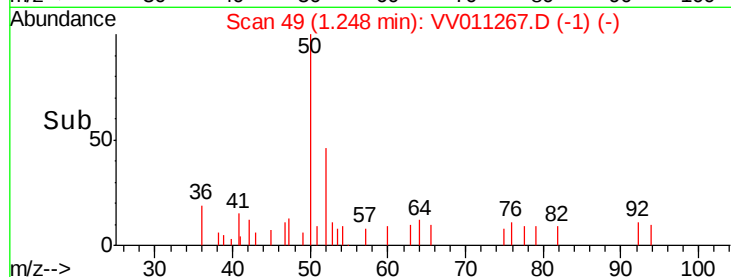
1500

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 0.593 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011267.D

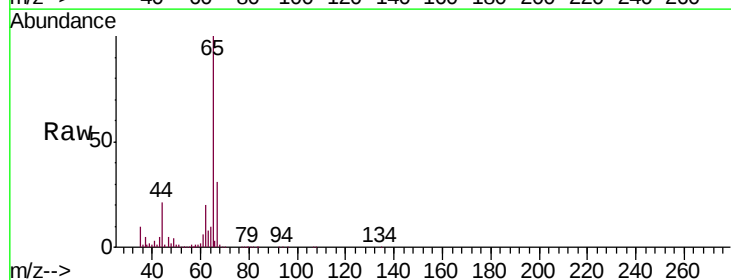
Acq: 07 Jun 2019 02:54

Tgt Ion: 62 Resp: 8624

Ion Ratio Lower Upper

62 100

64 49.3 25.9 48.1#



Abundance Ion 62.00 (61.70 to 62.70): VV011267.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV011267.D (-1) (-)

1.32

10000

8000

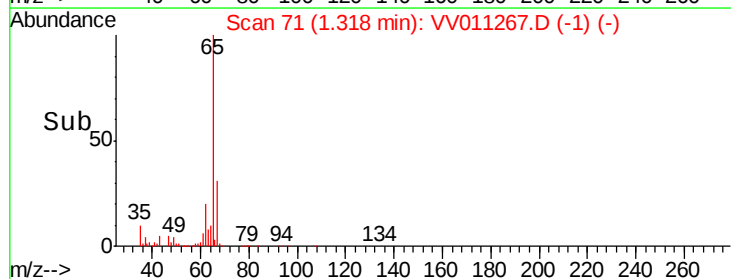
6000

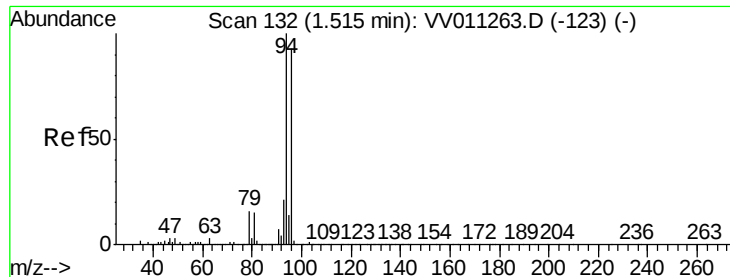
4000

2000

0

Time-->





#6

Bromomethane

Concen: 0.143 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

Instrument :

MSVOA_V

ClientSampleId :

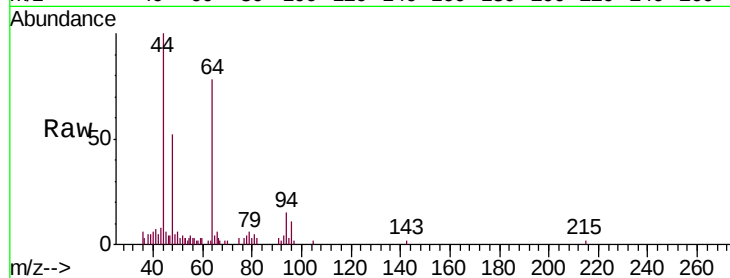
BFCN6

Tgt Ion: 94 Resp: 1084

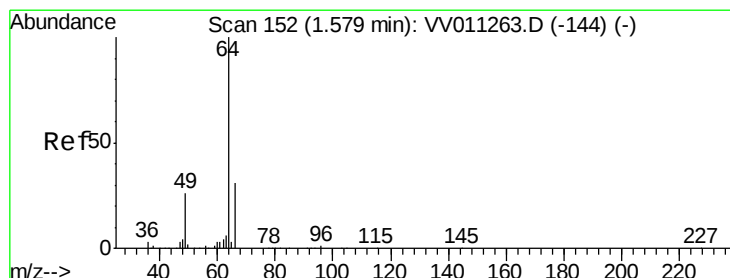
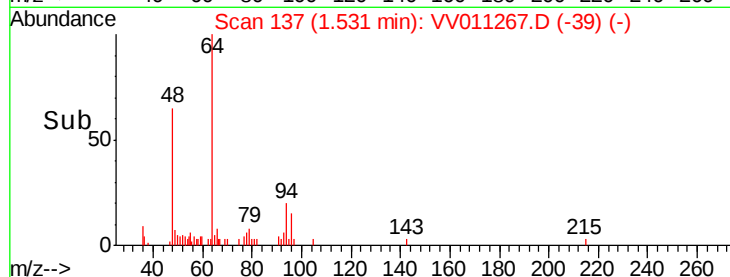
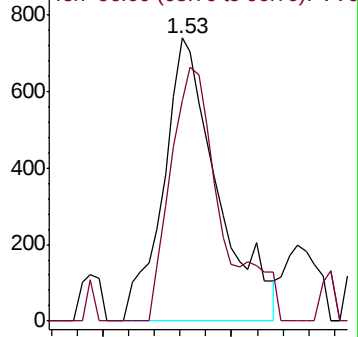
Ion Ratio Lower Upper

94 100

96 92.4 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011267.D (-137) (-)



#8

Chloroethane

Concen: 0.511 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.26 min

Lab File: VV011267.D

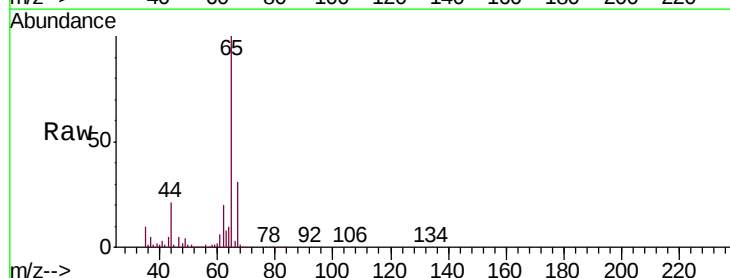
Acq: 07 Jun 2019 02:54

Tgt Ion: 64 Resp: 4751

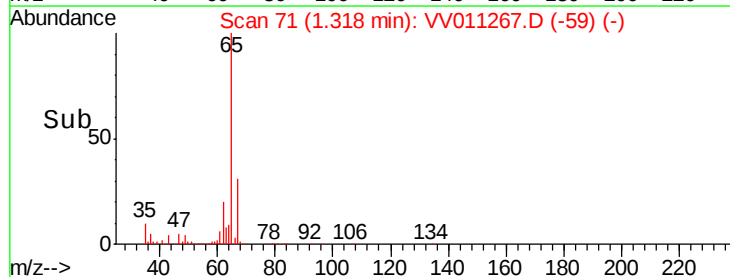
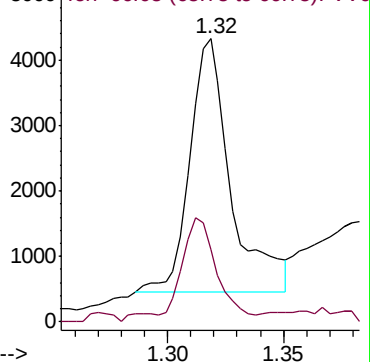
Ion Ratio Lower Upper

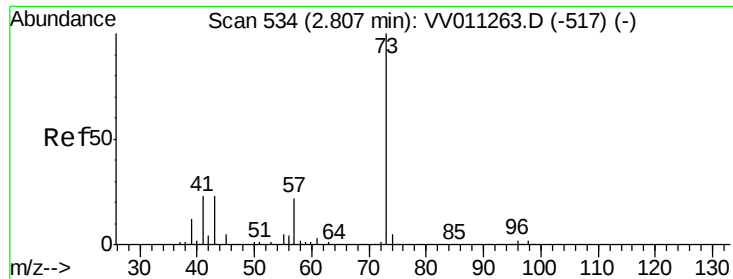
64 100

66 25.6 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011267.D (-152) (-)



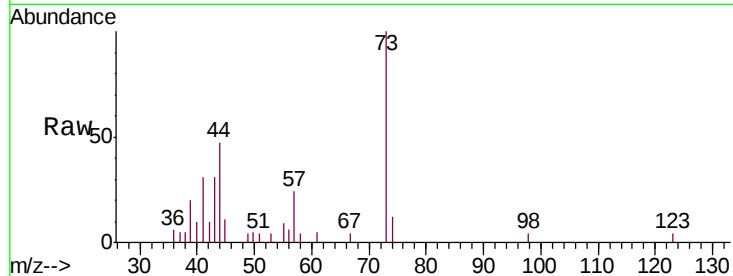


#17

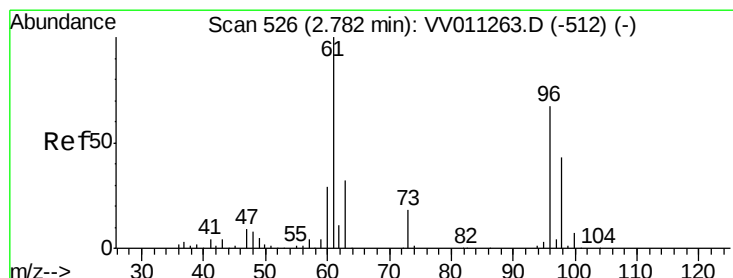
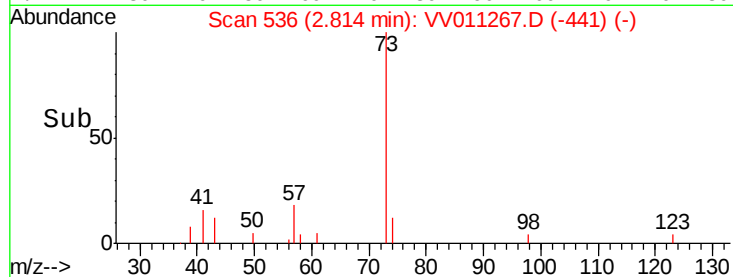
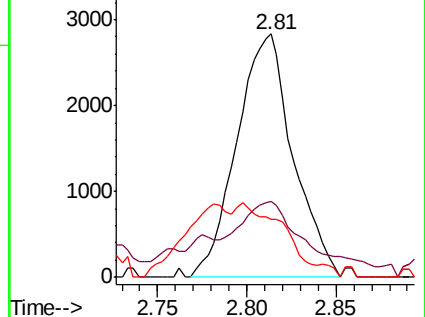
Methyl tert-butyl Ether
 Concen: 0.235 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VV011267.D
 Acq: 07 Jun 2019 02:54

Instrument :
 MSVOA_V
 ClientSampled :
 BFCN6

Tgt Ion: 73 Resp: 6243
 Ion Ratio Lower Upper
 73 100
 43 40.4 18.7 28.1#
 57 27.0 18.1 27.1



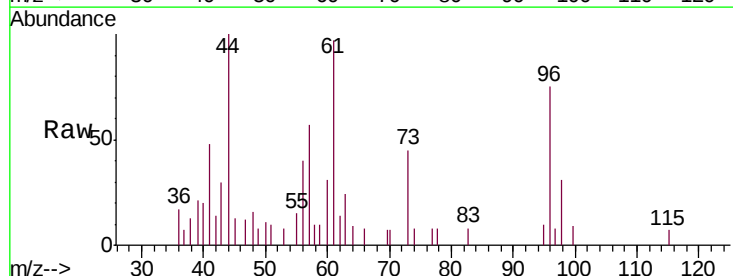
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



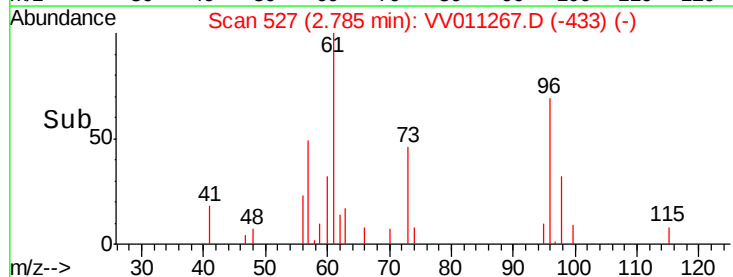
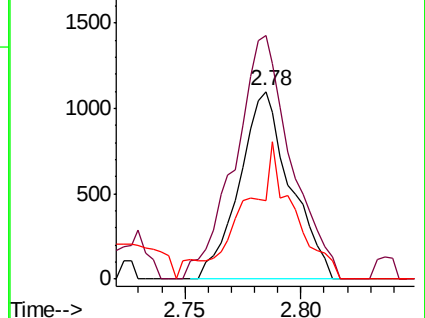
#18

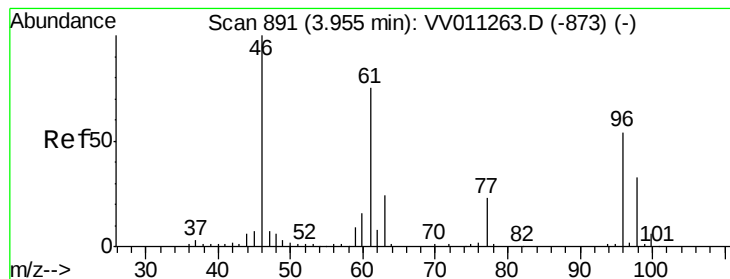
trans-1,2-Dichloroethene
 Concen: 0.151 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV011267.D
 Acq: 07 Jun 2019 02:54

Tgt Ion: 96 Resp: 1682
 Ion Ratio Lower Upper
 96 100
 61 129.8 104.0 193.2
 98 41.5 45.7 84.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0



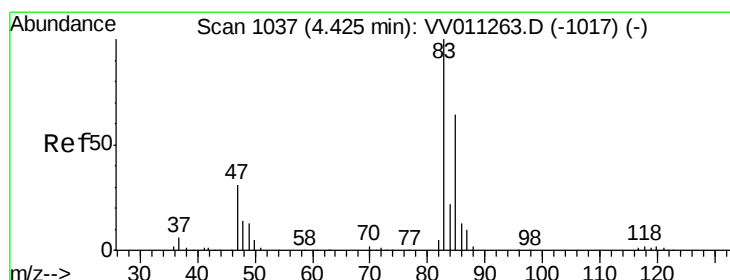
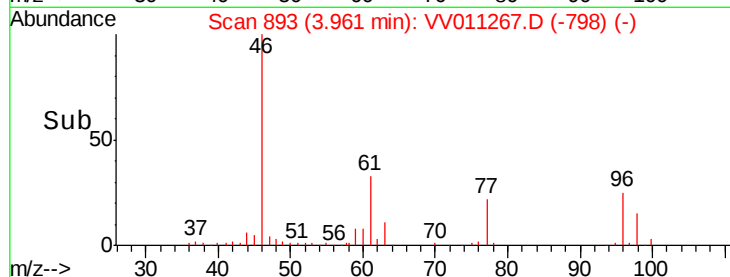
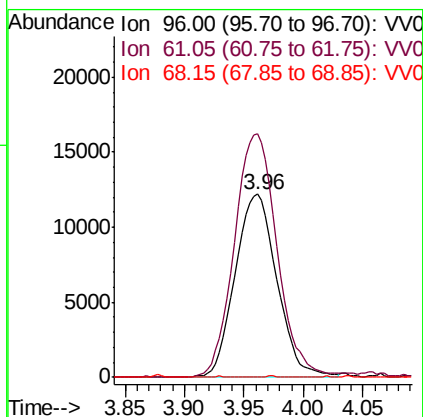
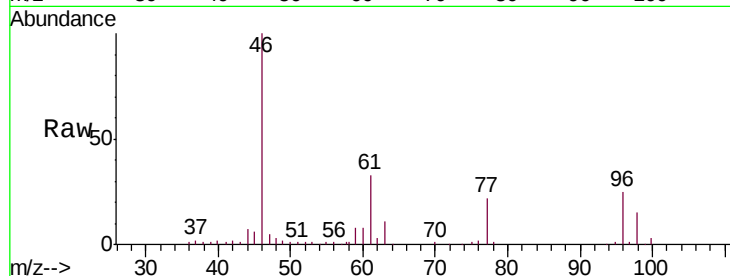


#22

cis-1,2-Dichloroethene
 Concen: 2.409 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV011267.D
 Acq: 07 Jun 2019 02:54

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCN6

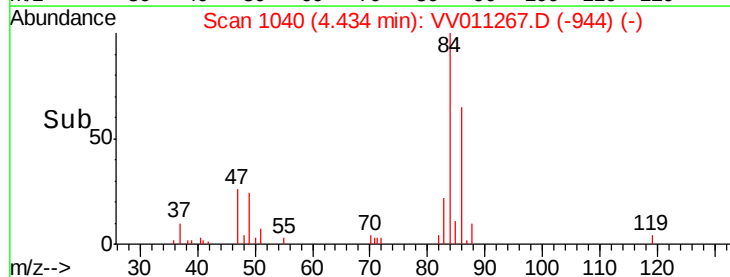
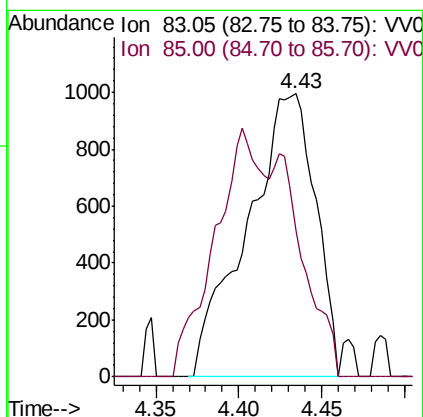
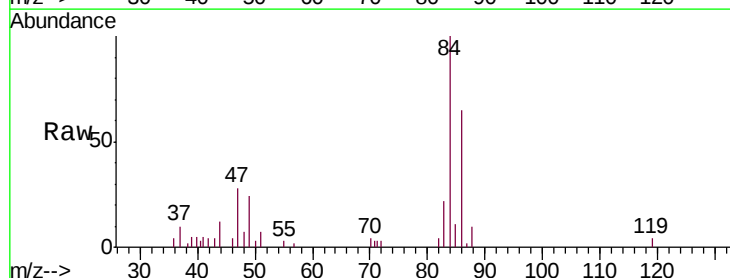
Tgt Ion: 96 Resp: 29751
 Ion Ratio Lower Upper
 96 100
 61 133.0 100.8 187.2
 68 0.0 0.0 0.0

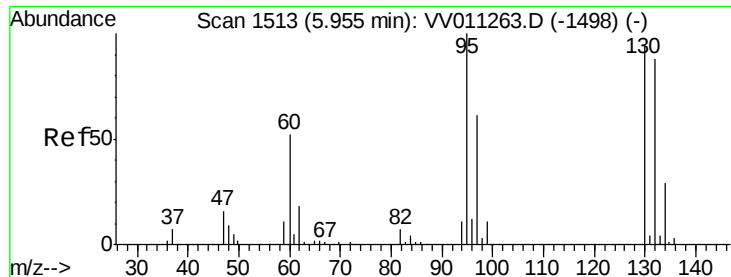


#25

Chloroform
 Concen: 0.126 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: VV011267.D
 Acq: 07 Jun 2019 02:54

Tgt Ion: 83 Resp: 2856
 Ion Ratio Lower Upper
 83 100
 85 51.9 44.1 81.9





#34

Trichloroethene

Concen: 32.230 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

Instrument :

MSVOA_V

ClientSampleId :

BFCN6

Tgt Ion: 95 Resp: 385028

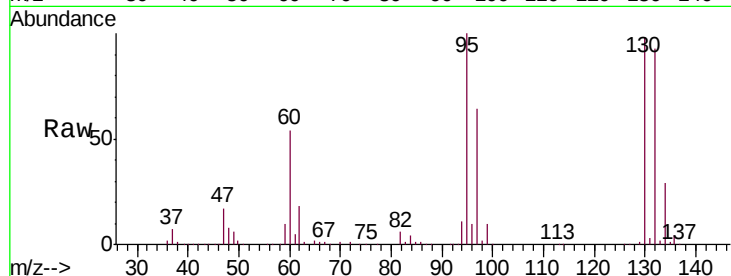
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.2

132 92.9 66.4 123.2

130 97.6 68.3 126.8

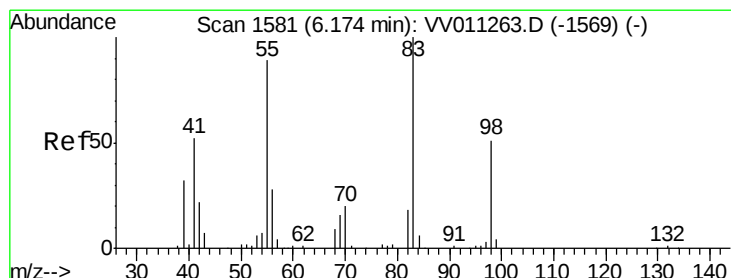
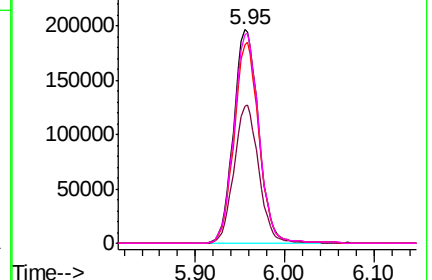
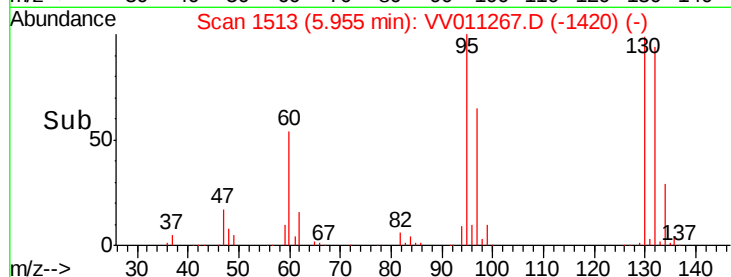


Abundance Ion 95.00 (94.70 to 95.70): VV011267.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011267.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011267.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011267.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.779 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

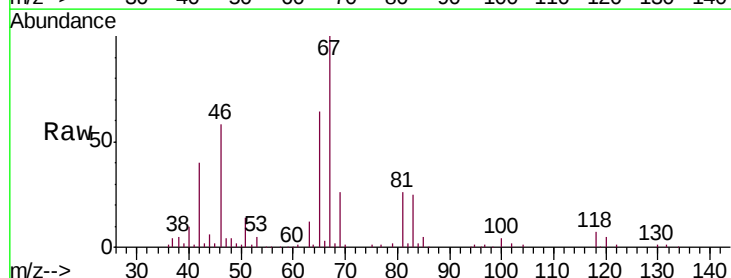
Tgt Ion: 83 Resp: 15384

Ion Ratio Lower Upper

83 100

55 1.4 67.0 100.6#

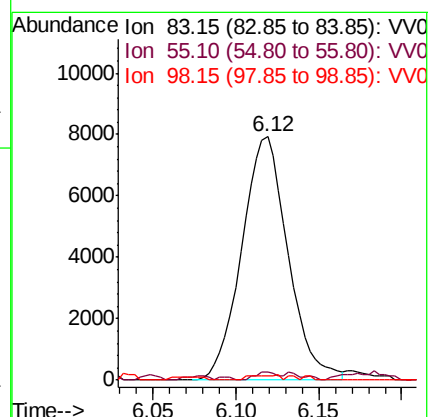
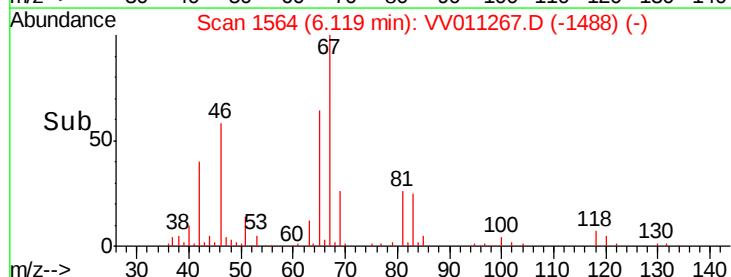
98 0.0 40.0 60.0#

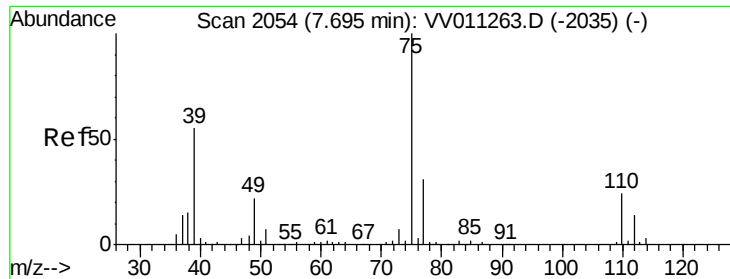


Abundance Ion 83.15 (82.85 to 83.85): VV011267.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV011267.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV011267.D (-1488) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

Instrument :

MSVOA_V

ClientSampled :

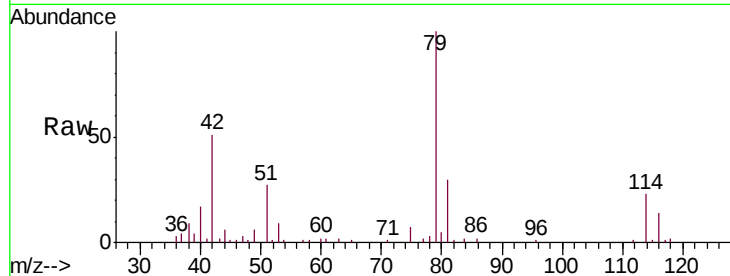
BFCN6

Tgt Ion: 75 Resp: 1353

Ion Ratio Lower Upper

75 100

77 32.4 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV011263.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV011267.D (-1961) (-)

7.67

800

600

400

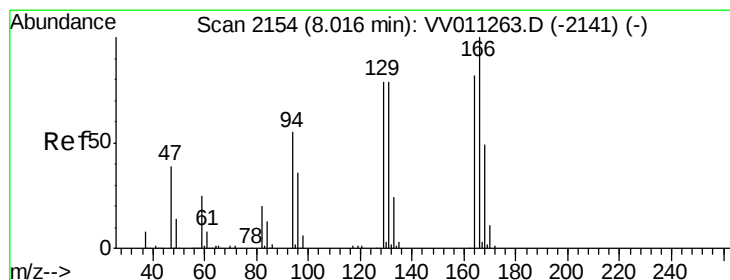
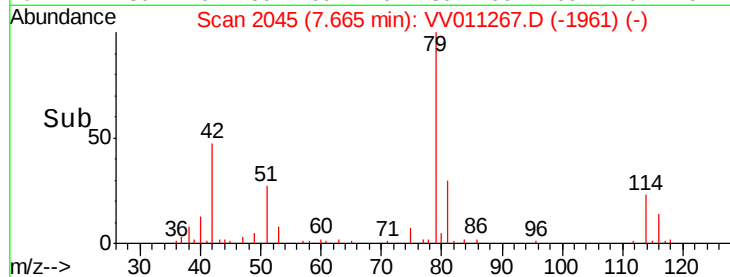
200

0

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 10.473 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011267.D

Acq: 07 Jun 2019 02:54

Tgt Ion: 164 Resp: 90421

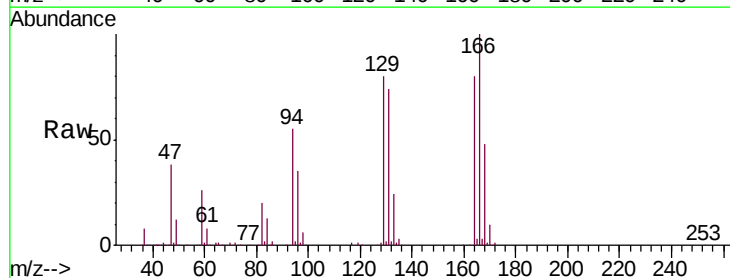
Ion Ratio Lower Upper

164 100

129 100.0 69.9 129.9

131 92.7 66.8 124.2

166 125.4 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): VV011263.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV011267.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011267.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011267.D (-2061) (-)

100000

80000

60000

40000

20000

0

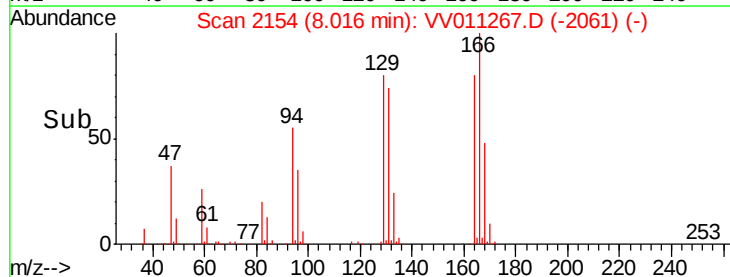
7.95

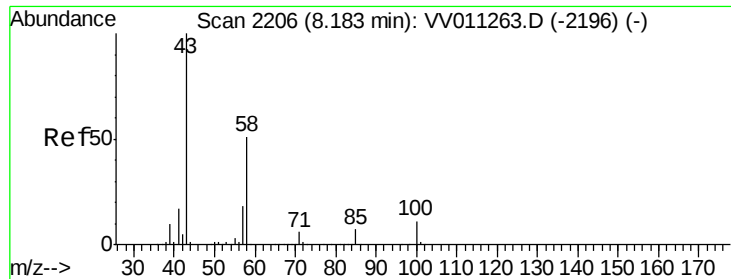
8.00

8.05

8.10

Time-->

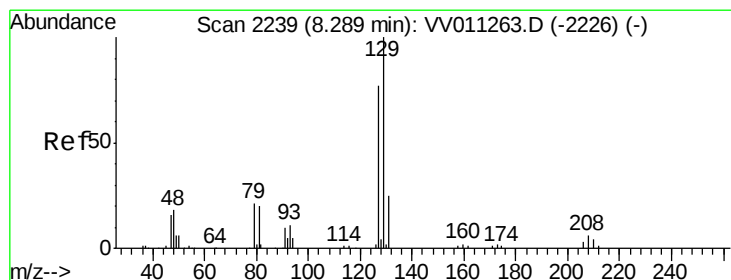
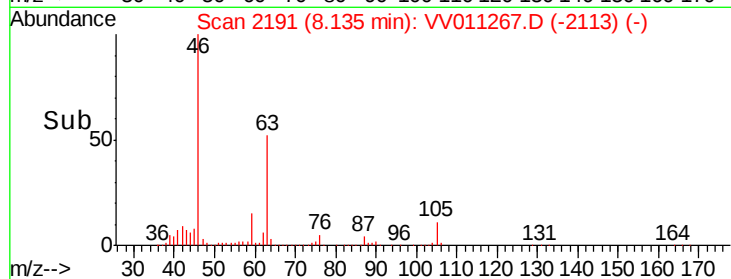
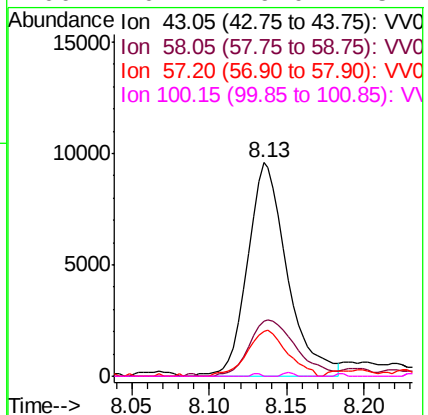
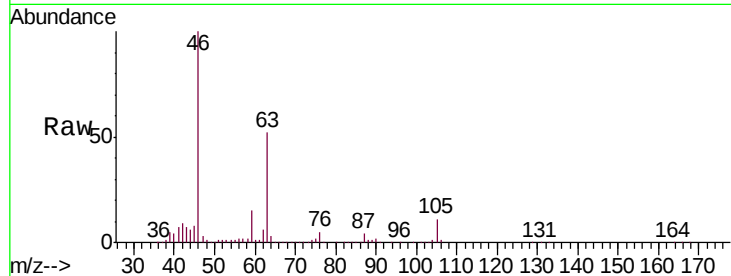




#48
2-Hexanone
Concen: 3.345 ug/L
RT: 8.13 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011267.D
Acq: 07 Jun 2019 02:54

Instrument :
MSVOA_V
ClientSampleId :
BFCN6

Tgt Ion: 43 Resp: 17097
Ion Ratio Lower Upper
43 100
58 30.8 41.4 62.0#
57 21.7 15.0 22.4
100 0.2 9.0 13.4#



#49
Dibromochloromethane
Concen: 10.038 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011267.D
Acq: 07 Jun 2019 02:54

Tgt Ion: 129 Resp: 84001
Ion Ratio Lower Upper
129 100
127 0.2 53.7 99.7#

