

Data File : VV011348.D
Acq On : 10 Jun 2019 14:11
Operator : SY/MD
Sample : K3226-08DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCN6DL

Quant Time: Jun 11 01:35:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	117239	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	103625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	39043	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31930	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.55	69	31339	4.24	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	48845	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	3.94	46	129844	64.92	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.84%
24) Chloroform-d	4.40	84	77325	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	47094	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.09	84	141102	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.11	67	48480	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	109683	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.66	79	11472	3.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.00%
46) 2-Hexanone-d5	8.13	63	96312	62.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36293	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	37191	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

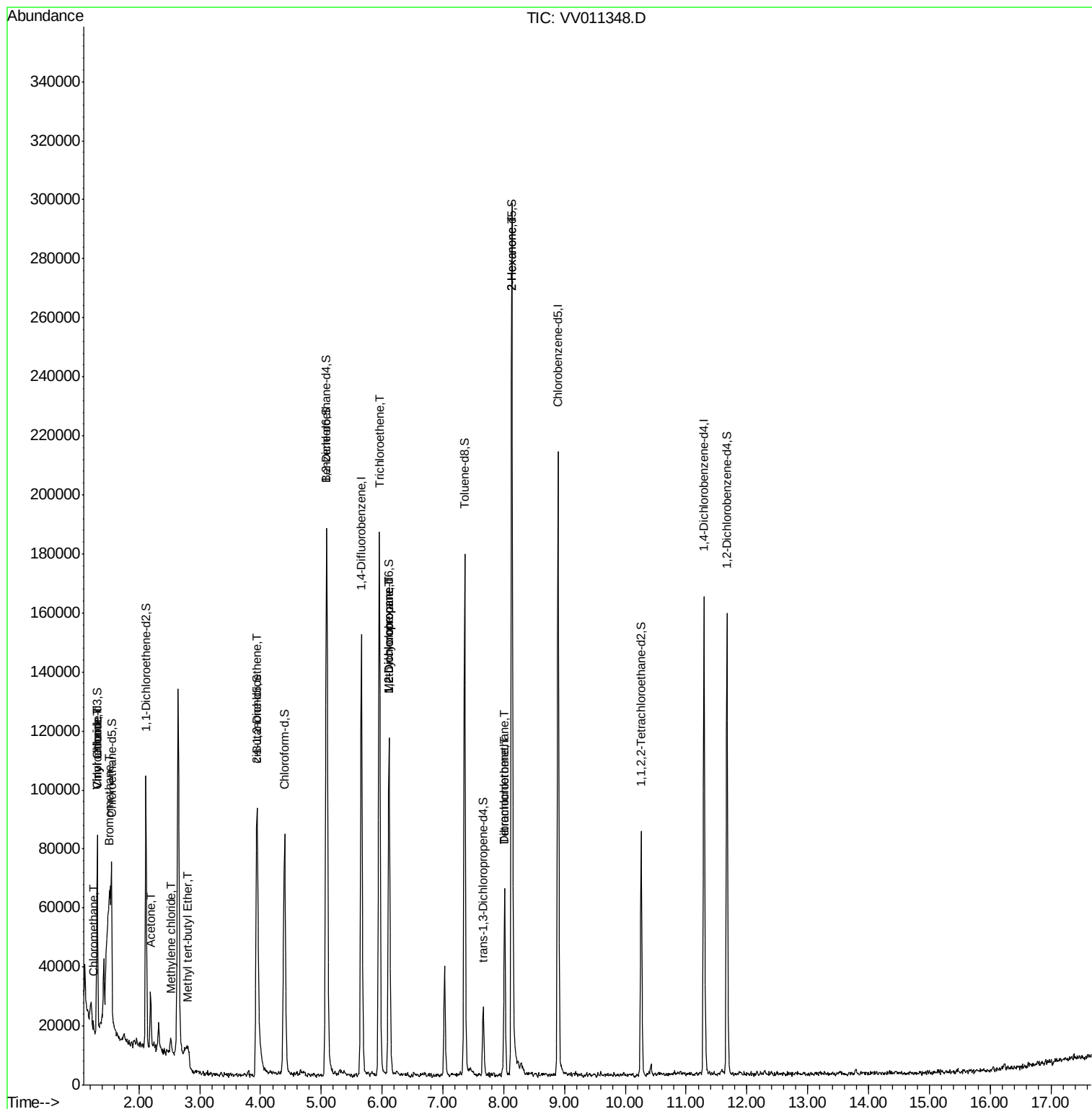
						Qvalue
3) Chloromethane	1.25	50	3103	0.278	ug/L	96
5) Vinyl chloride	1.32	62	1862	0.173	ug/L #	1
6) Bromomethane	1.51	94	1645	0.293	ug/L	92
8) Chloroethane	1.32	64	2755	0.400	ug/L	91
13) Acetone	2.19	43	3266	2.436	ug/L	99
16) Methylene chloride	2.53	84	1714	0.225	ug/L	69
17) Methyl tert-butyl Ether	2.80	73	1802	0.091	ug/L #	79
22) cis-1,2-Dichloroethene	3.95	96	5724	0.625	ug/L	90
34) Trichloroethene	5.96	95	60056	7.050	ug/L	99
35) Methylcyclohexane	6.12	83	11986	0.851	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6417	0.782	ug/L #	88
47) Tetrachloroethene	8.02	164	12563	2.041	ug/L	99
48) 2-Hexanone	8.13	43	13278	3.643	ug/L #	71
49) Dibromochloromethane	8.02	129	11792	1.976	ug/L #	11

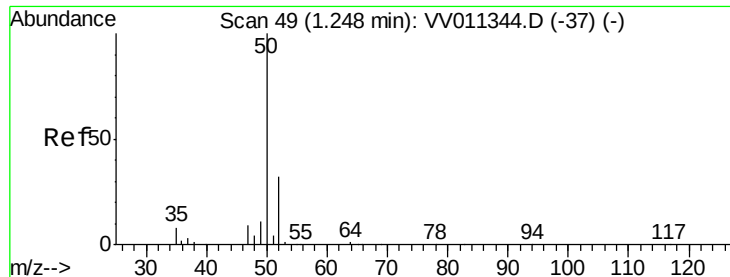
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.278 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

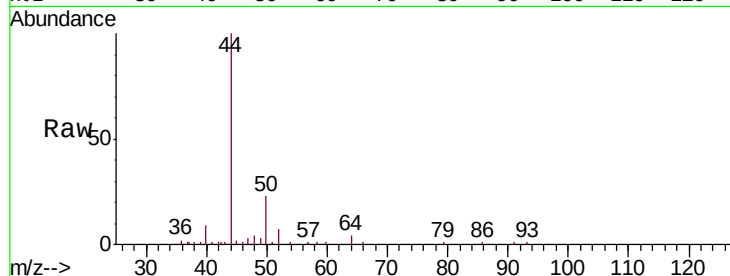
BFCN6DL

Tgt Ion: 50 Resp: 3103

Ion Ratio Lower Upper

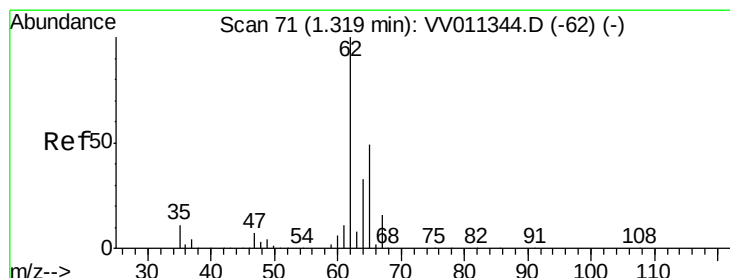
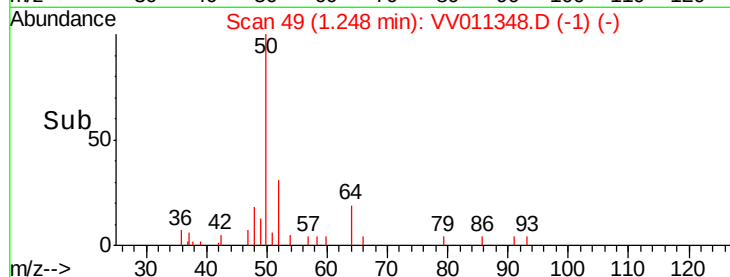
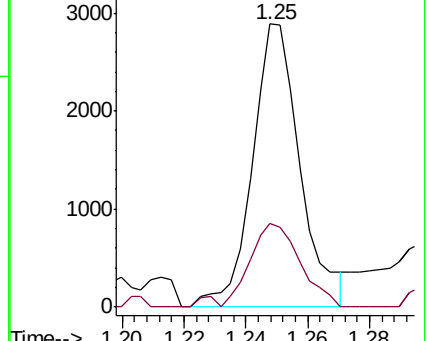
50 100

52 29.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.173 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011348.D

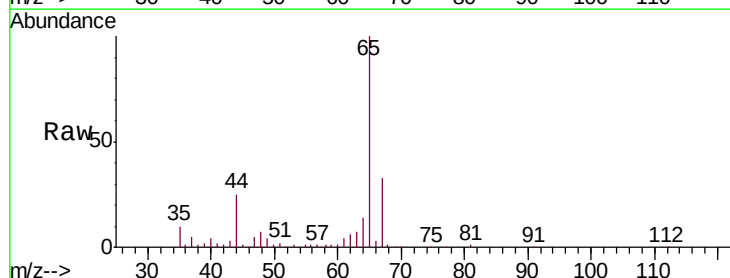
Acq: 10 Jun 2019 14:11

Tgt Ion: 62 Resp: 1862

Ion Ratio Lower Upper

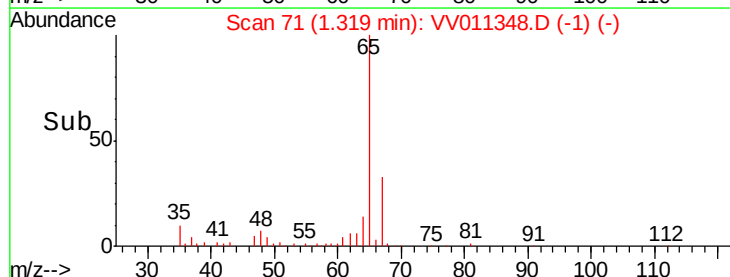
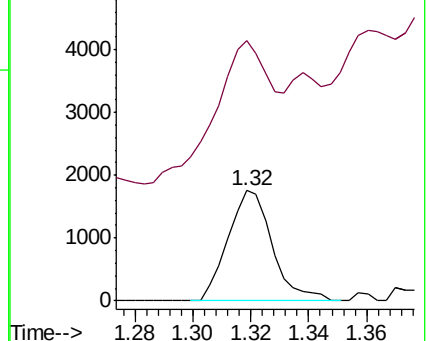
62 100

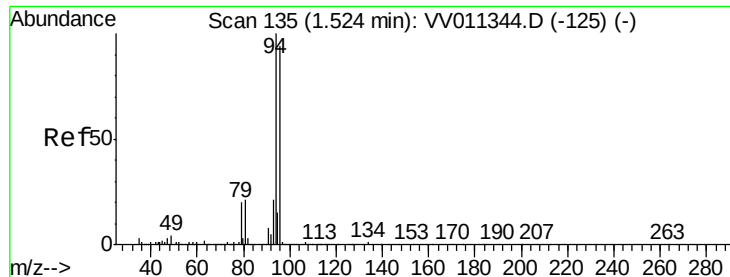
64 235.0 25.9 48.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#6

Bromomethane

Concen: 0.293 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

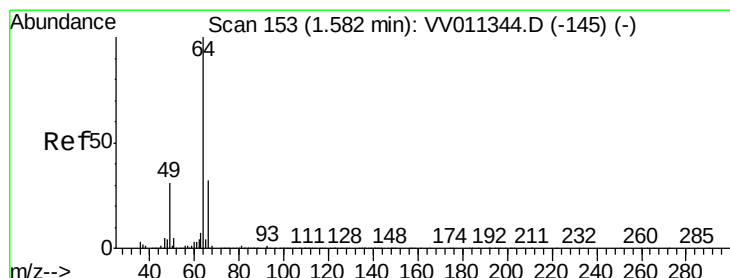
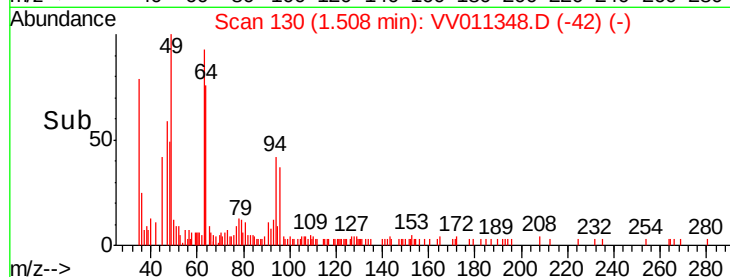
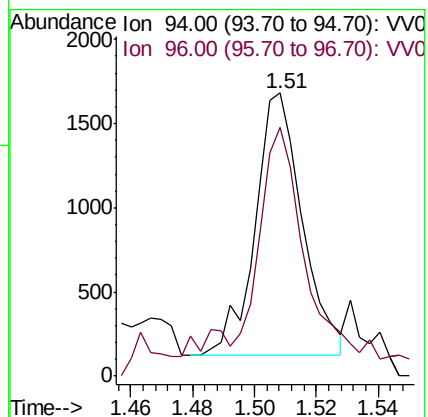
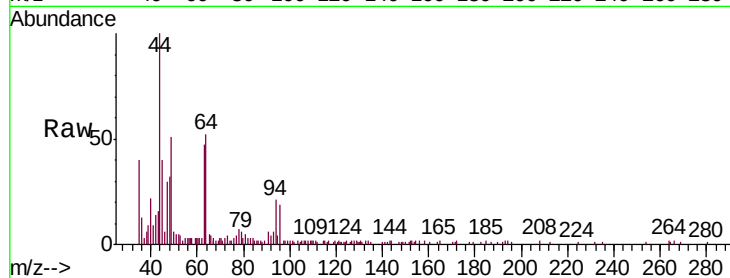
BFCN6DL

Tgt Ion: 94 Resp: 1645

Ion Ratio Lower Upper

94 100

96 87.8 67.0 124.4



#8

Chloroethane

Concen: 0.400 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.26 min

Lab File: VV011348.D

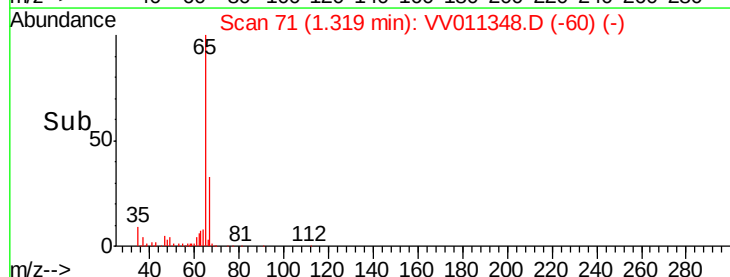
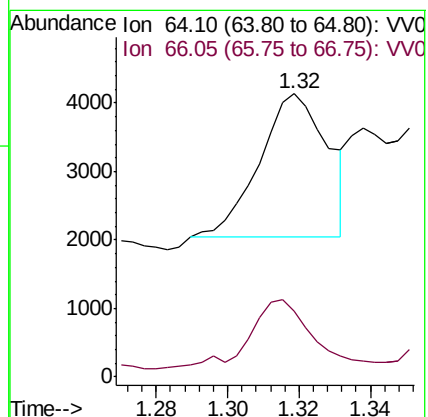
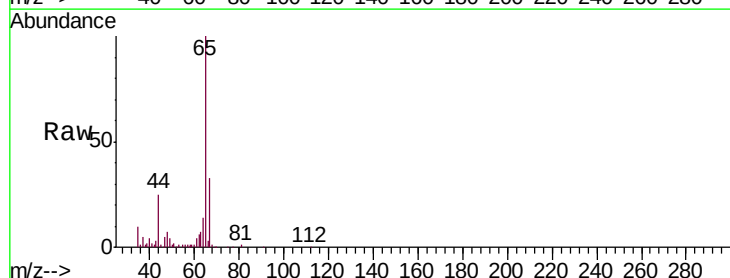
Acq: 10 Jun 2019 14:11

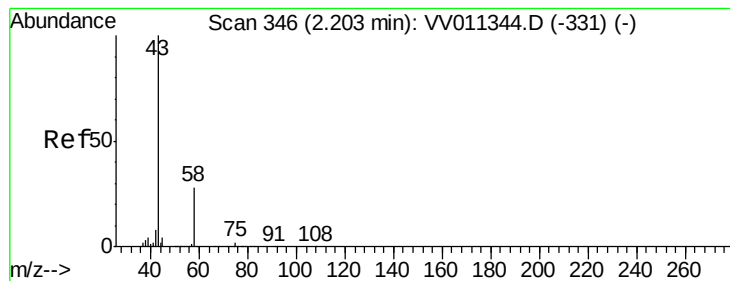
Tgt Ion: 64 Resp: 2755

Ion Ratio Lower Upper

64 100

66 23.2 19.4 36.0





#13

Acetone

Concen: 2.436 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

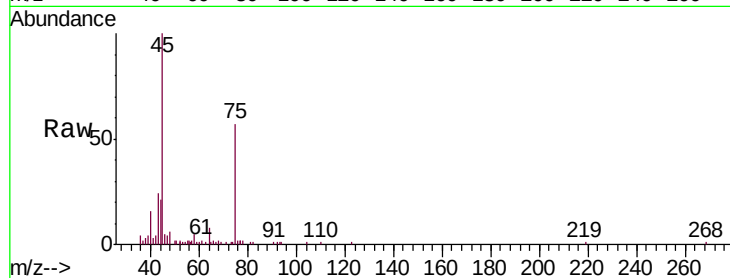
BFCN6DL

Tgt Ion: 43 Resp: 3266

Ion Ratio Lower Upper

43 100

58 26.9 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011344.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV011344.D (-331) (-)

2.19

2500

2000

1500

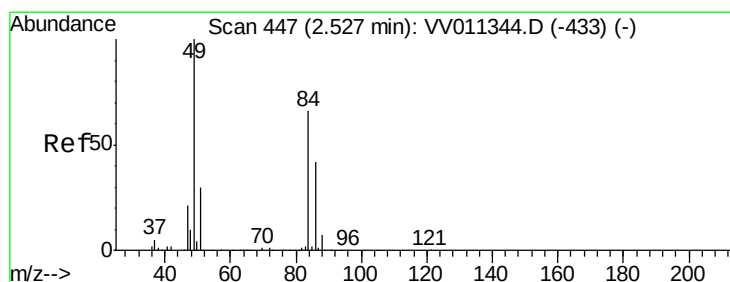
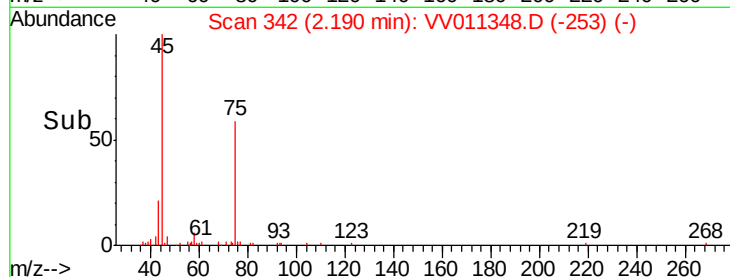
1000

500

0

2.15 2.20

Time-->



#16

Methylene chloride

Concen: 0.225 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

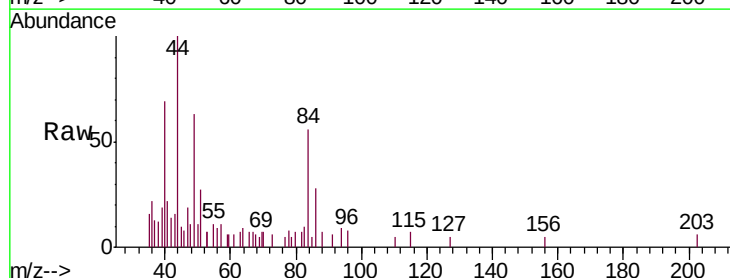
Tgt Ion: 84 Resp: 1714

Ion Ratio Lower Upper

84 100

86 45.8 44.9 83.3

49 102.5 102.1 189.5



Abundance Ion 84.05 (83.75 to 84.75): VV011344.D (-433) (-)

Ion 86.00 (85.70 to 86.70): VV011344.D (-433) (-)

Ion 49.10 (48.80 to 49.80): VV011344.D (-433) (-)

2.53

2000

1500

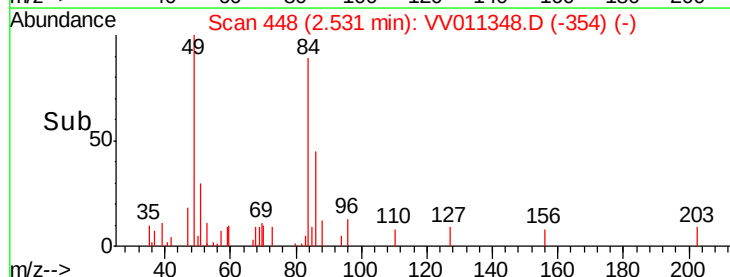
1000

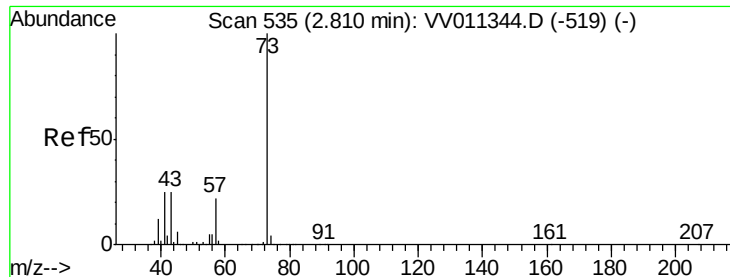
500

0

2.50 2.55

Time-->

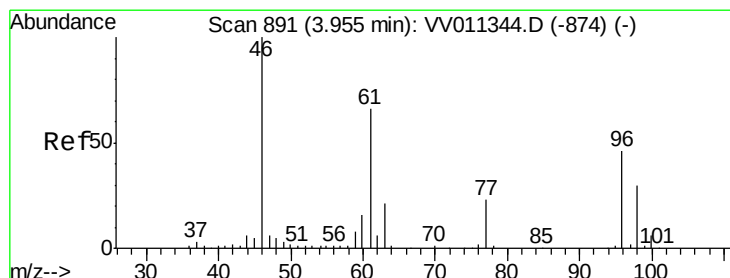
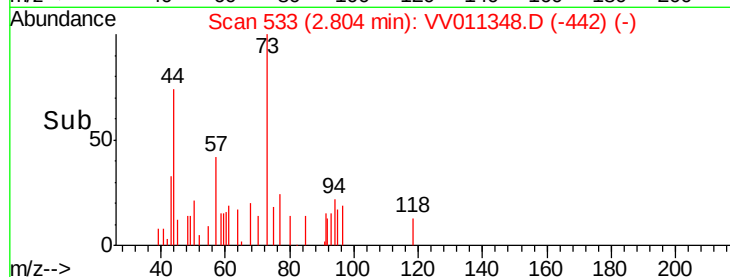
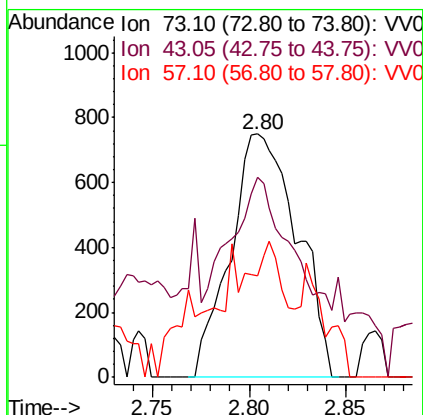
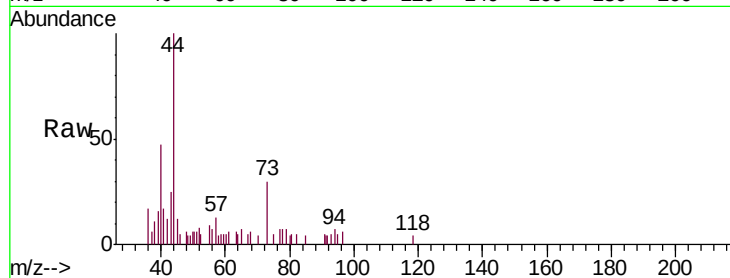




#17
Methyl tert-butyl Ether
Concen: 0.091 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.01 min
Lab File: VV011348.D
Acq: 10 Jun 2019 14:11

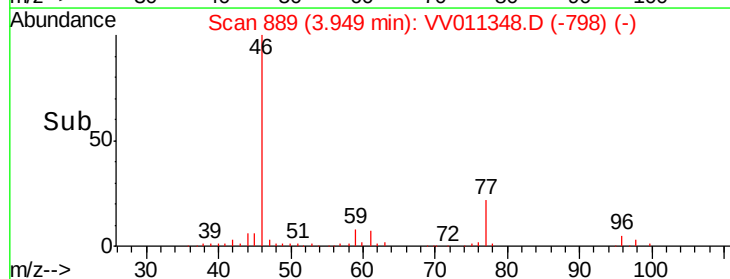
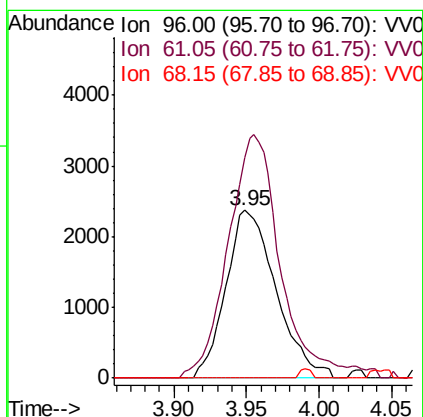
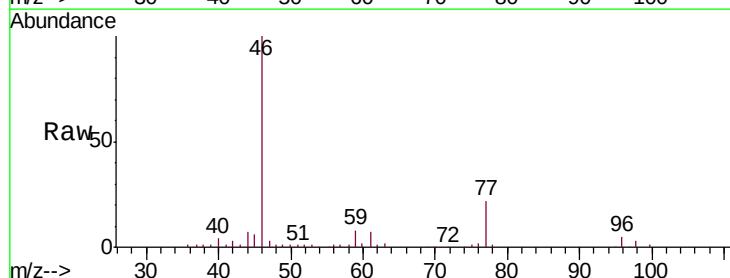
Instrument :
MSVOA_V
ClientSampled :
BFCN6DL

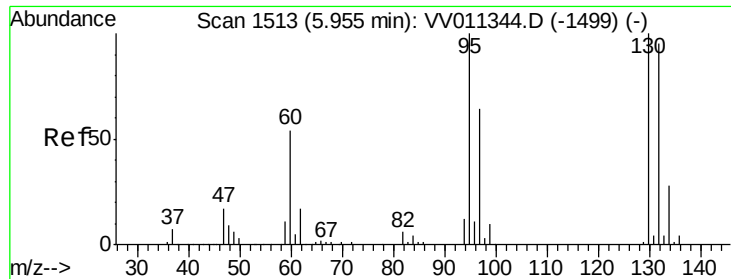
Tgt Ion: 73 Resp: 1802
Ion Ratio Lower Upper
73 100
43 43.6 18.7 28.1#
57 22.2 18.1 27.1



#22
cis-1,2-Dichloroethene
Concen: 0.625 ug/L
RT: 3.95 min Scan# 889
Delta R.T. -0.01 min
Lab File: VV011348.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 96 Resp: 5724
Ion Ratio Lower Upper
96 100
61 131.5 100.8 187.2
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 7.050 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

Instrument :

MSVOA_V

ClientSampleId :

BFCN6DL

Tgt Ion: 95 Resp: 60056

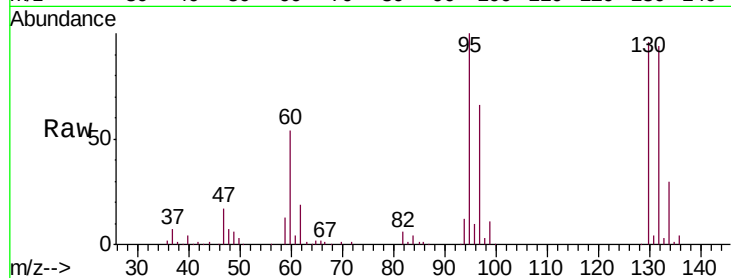
Ion Ratio Lower Upper

95 100

97 66.4 45.8 85.2

132 94.2 66.4 123.2

130 96.2 68.3 126.8

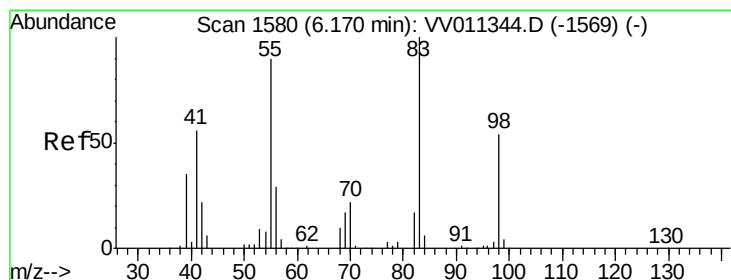
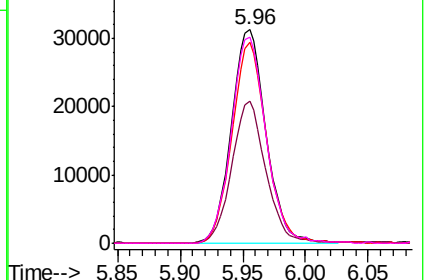
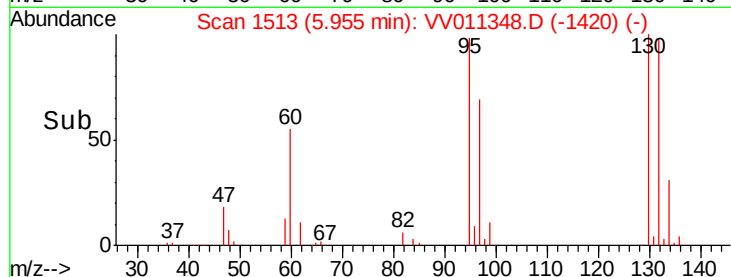


Abundance Ion 95.00 (94.70 to 95.70): VV011348.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV011348.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV011348.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV011348.D (-1499) (-)



#35

Methylcyclohexane

Concen: 0.851 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011348.D

Acq: 10 Jun 2019 14:11

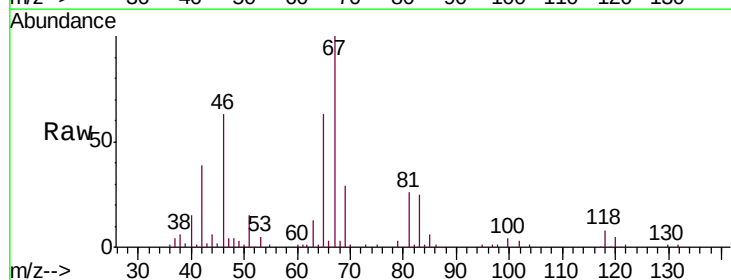
Tgt Ion: 83 Resp: 11986

Ion Ratio Lower Upper

83 100

55 1.4 67.0 100.6#

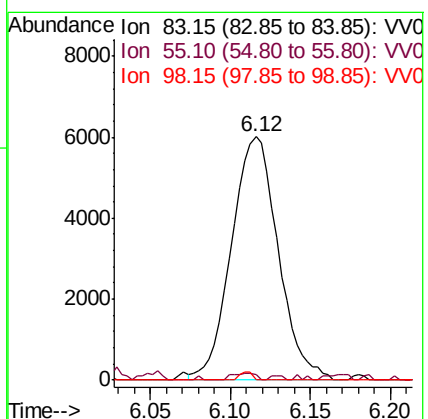
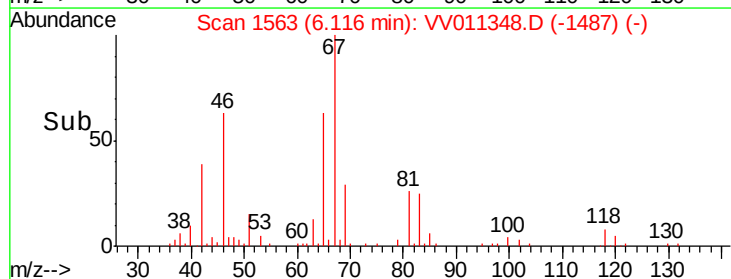
98 0.9 40.0 60.0#

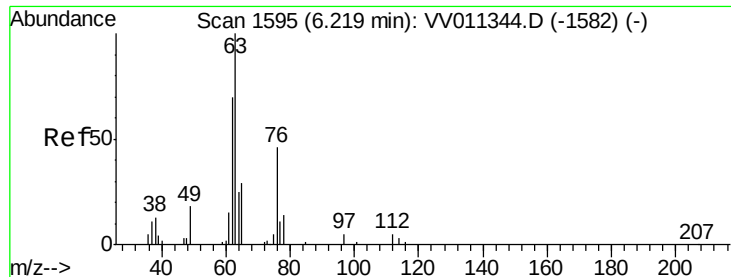


Abundance Ion 83.15 (82.85 to 83.85): VV011348.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV011348.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV011348.D (-1569) (-)

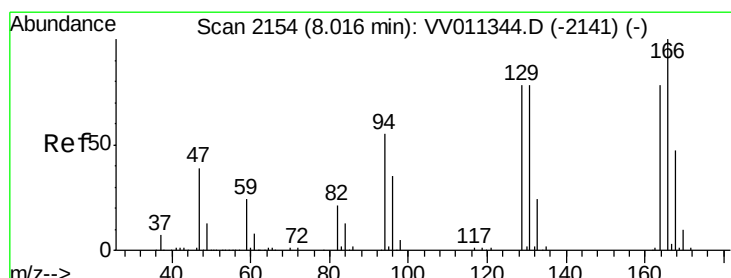
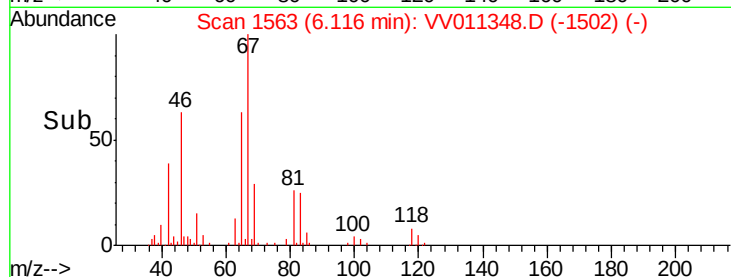
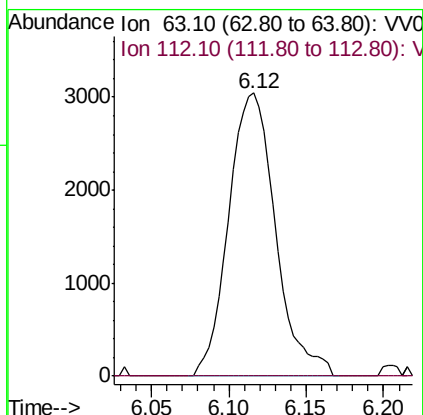
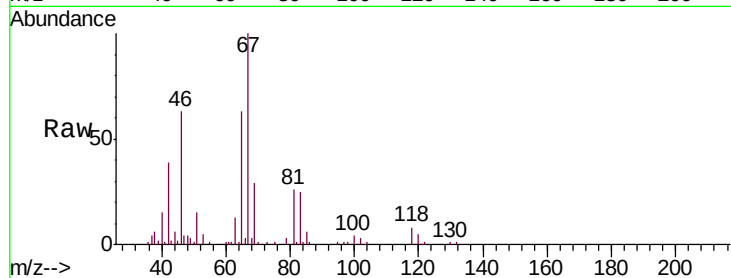




#37
 1,2-Dichloropropane
 Concen: 0.782 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011348.D
 Acq: 10 Jun 2019 14:11

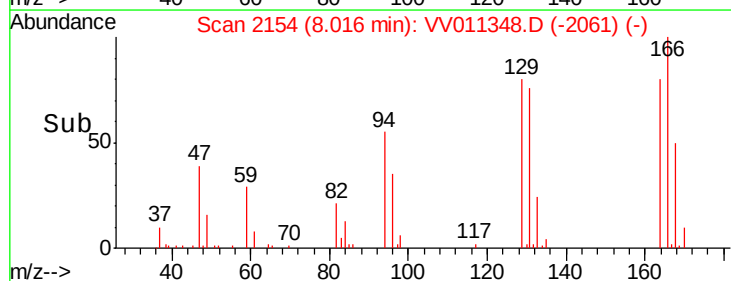
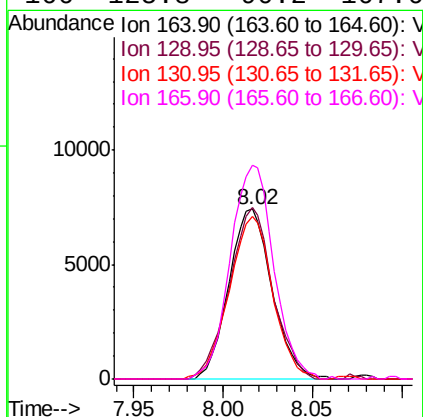
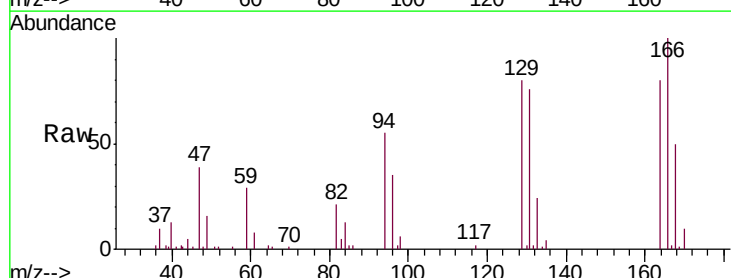
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCN6DL

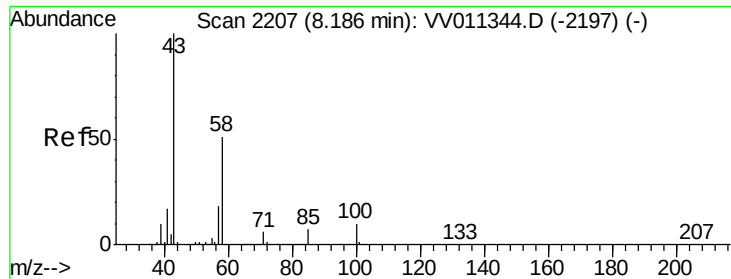
Tgt Ion: 63 Resp: 6417
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.6 5.4#



#47
 Tetrachloroethene
 Concen: 2.041 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011348.D
 Acq: 10 Jun 2019 14:11

Tgt Ion: 164 Resp: 12563
 Ion Ratio Lower Upper
 164 100
 129 100.8 69.9 129.9
 131 95.6 66.8 124.2
 166 125.8 90.2 167.6

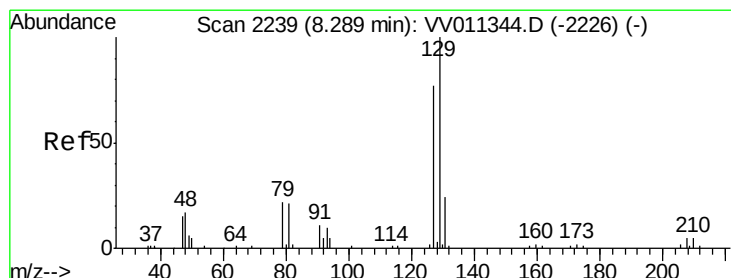
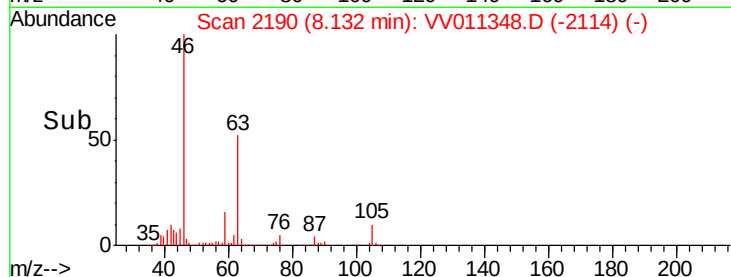
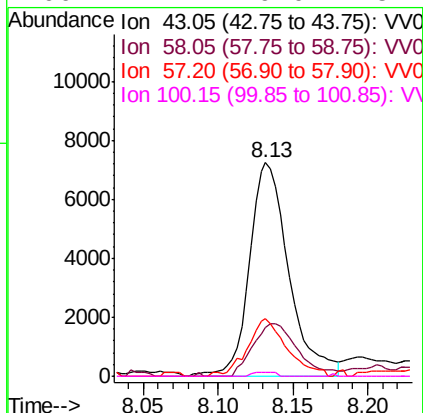
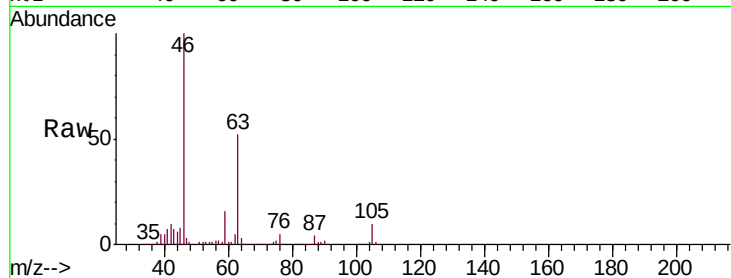




#48
2-Hexanone
Concen: 3.643 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011348.D
Acq: 10 Jun 2019 14:11

Instrument :
MSVOA_V
ClientSampleId :
BFCN6DL

Tgt Ion: 43 Resp: 13278
Ion Ratio Lower Upper
43 100
58 27.9 41.4 62.0#
57 26.7 15.0 22.4#
100 1.2 9.0 13.4#



#49
Dibromochloromethane
Concen: 1.976 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011348.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 129 Resp: 11792
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

