

Data File : VV011534.D
Acq On : 15 Jun 2019 12:44
Operator : SY/MD
Sample : K3289-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM2

Quant Time: Jun 17 04:35:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	190838	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172045	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61696	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.57	69	42680	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.12	63	94748	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.95	46	193549	47.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.48%
24) Chloroform-d	4.40	84	125955	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	73908	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.09	84	249278	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	79029	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	211040	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.66	79	20814	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.14	63	148059	47.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52969	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	70198	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1857	0.101 ug/L	94
5) Vinyl chloride	1.32	62	9529	0.523 ug/L #	70
8) Chloroethane	1.32	64	4243	0.481 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	923	0.081 ug/L #	20
13) Acetone	2.21	43	25950	9.498 ug/L	95
15) Methyl Acetate	2.21	43	25828	3.566 ug/L #	57
19) 1,1-Dichloroethane	3.22	63	58132	2.094 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	5552	0.365 ug/L	89
34) Trichloroethene	5.96	95	2205	0.154 ug/L	89
35) Methylcyclohexane	6.12	83	19414	0.950 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	10147	0.678 ug/L #	87
42) Toluene	7.43	91	12974	0.223 ug/L	98
48) 2-Hexanone	8.14	43	21791	2.907 ug/L #	74

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

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Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
BFCM2

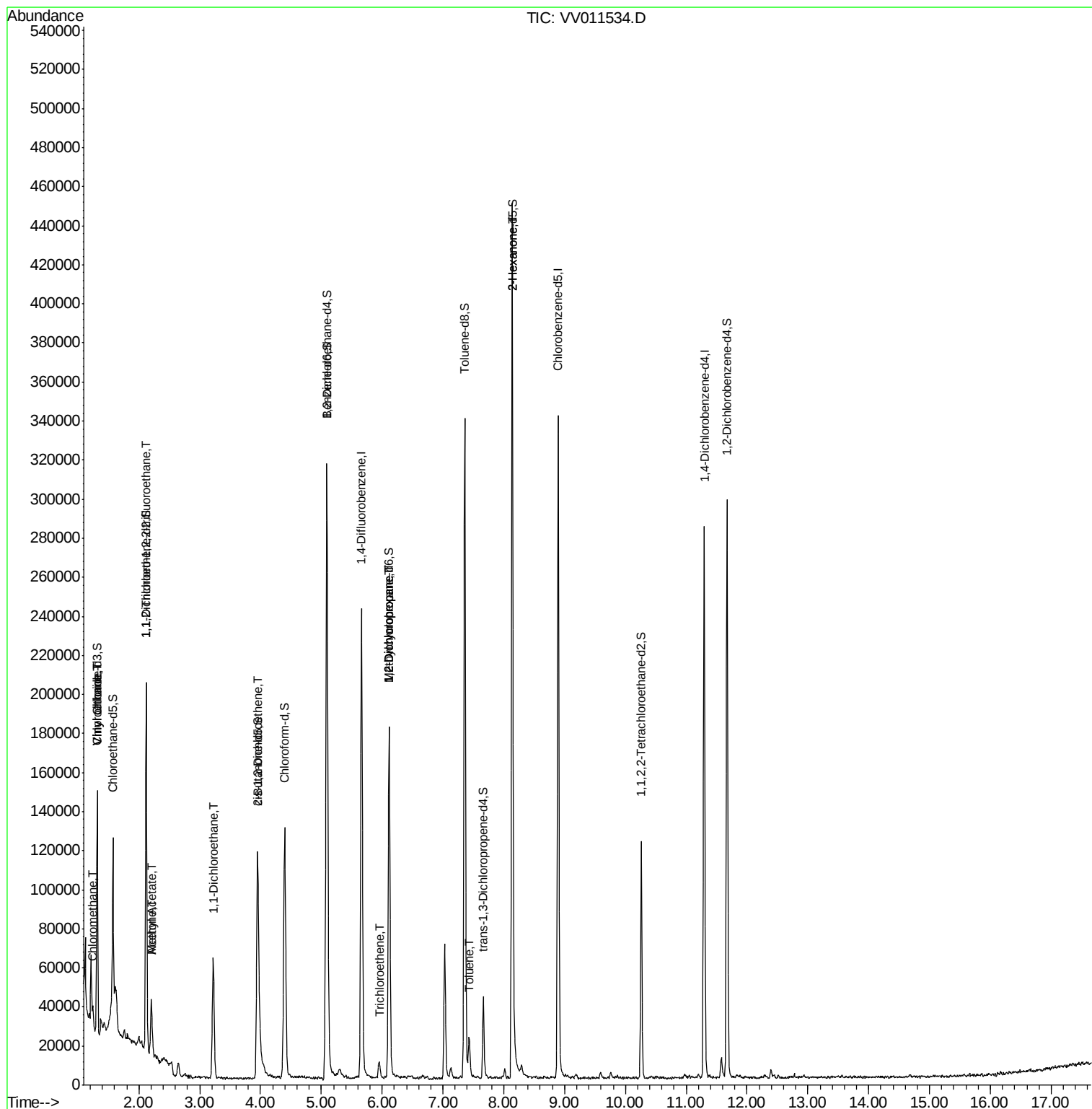
Quant Time: Jun 17 04:35:54 2019

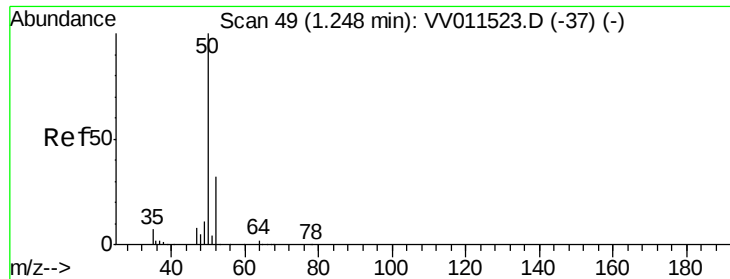
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jun 17 04:30:15 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.101 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

Instrument :

MSVOA_V

ClientSampleId :

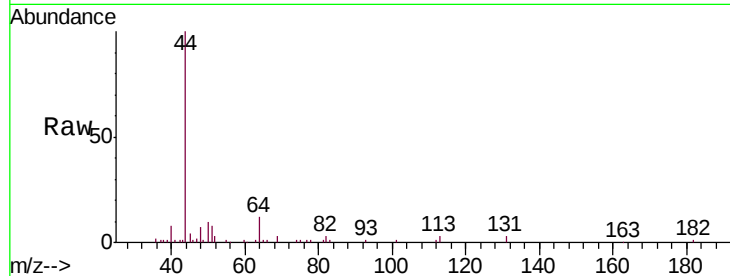
BFCM2

Tgt Ion: 50 Resp: 1857

Ion Ratio Lower Upper

50 100

52 36.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

2000

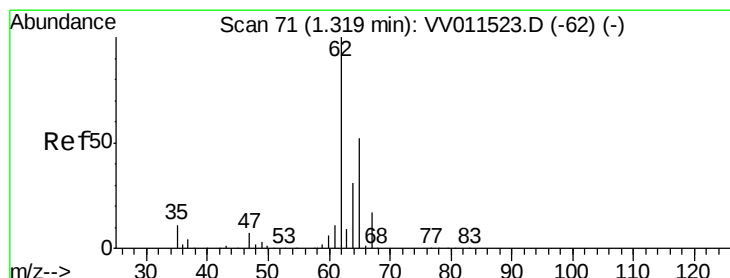
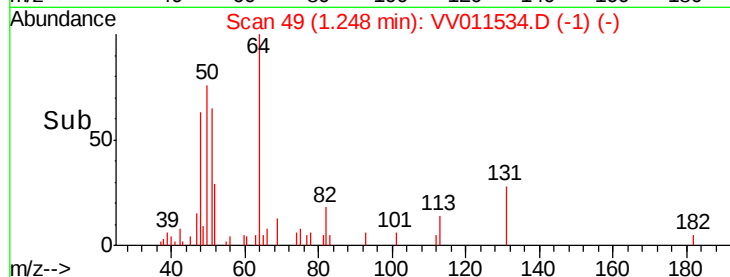
1500

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 0.523 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011534.D

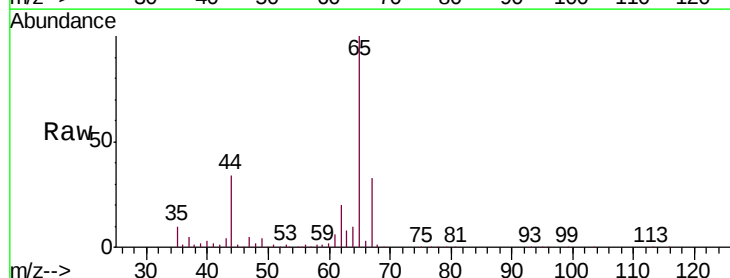
Acq: 15 Jun 2019 12:44

Tgt Ion: 62 Resp: 9529

Ion Ratio Lower Upper

62 100

64 49.7 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

10000

8000

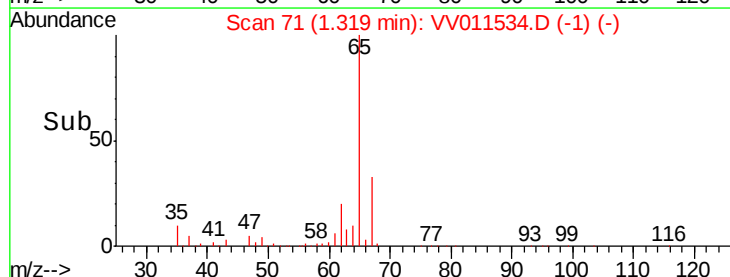
6000

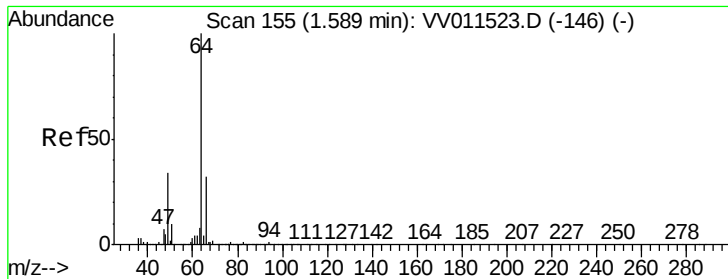
4000

2000

0

Time-->





#8

Chloroethane

Concen: 0.481 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

Instrument :

MSVOA_V

ClientSampled :

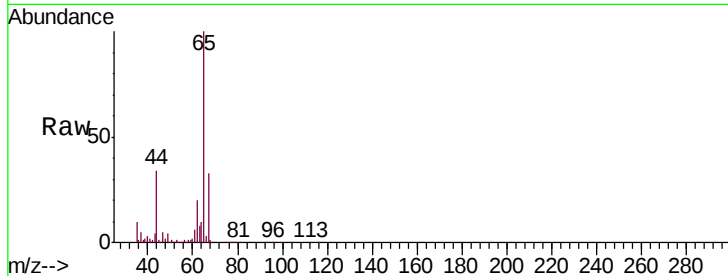
BFCM2

Tgt Ion: 64 Resp: 4243

Ion Ratio Lower Upper

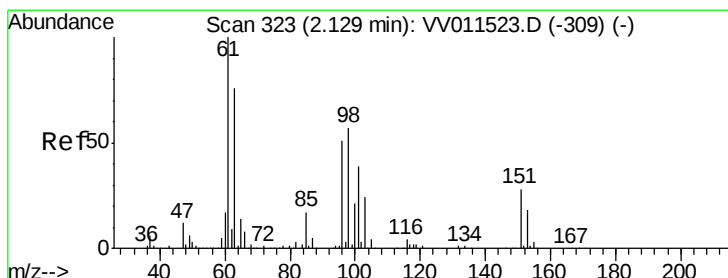
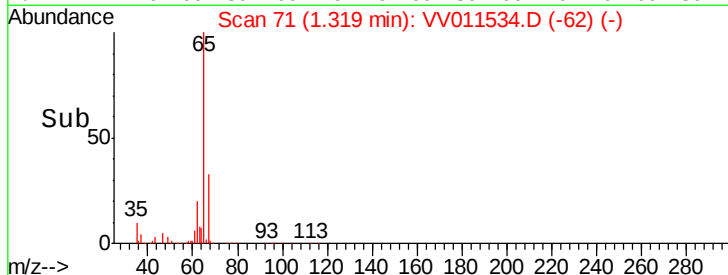
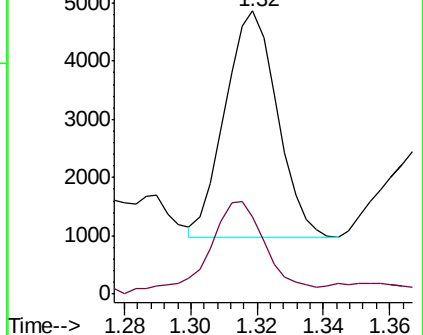
64 100

66 27.4 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011534.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV011534.D (-146) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.081 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

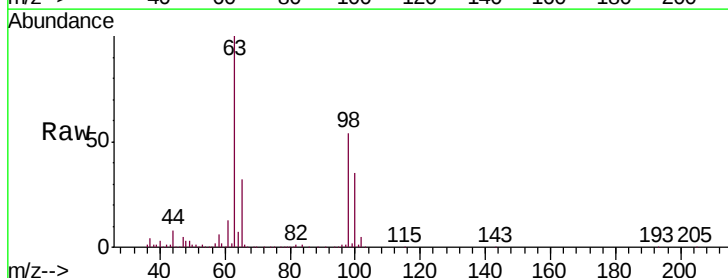
Tgt Ion: 101 Resp: 923

Ion Ratio Lower Upper

101 100

85 2.3 37.3 55.9#

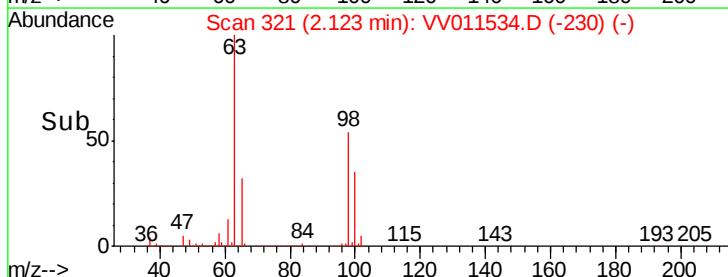
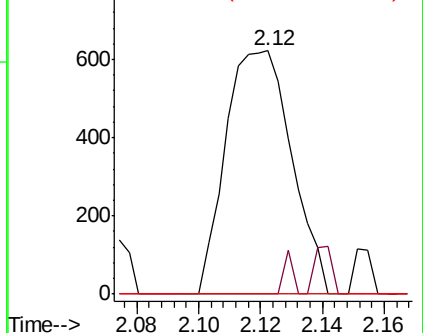
151 0.0 59.4 89.2#

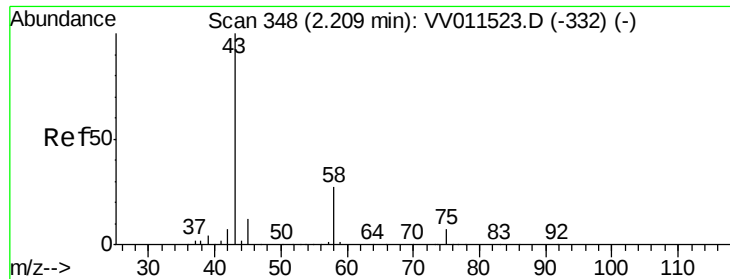


Abundance Ion 101.00 (100.70 to 101.70): VV011534.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV011534.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV011534.D (-309) (-)





#13

Acetone

Concen: 9.498 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

Instrument :

MSVOA_V

ClientSampleId :

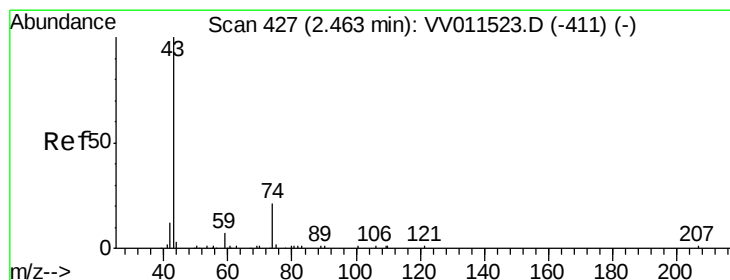
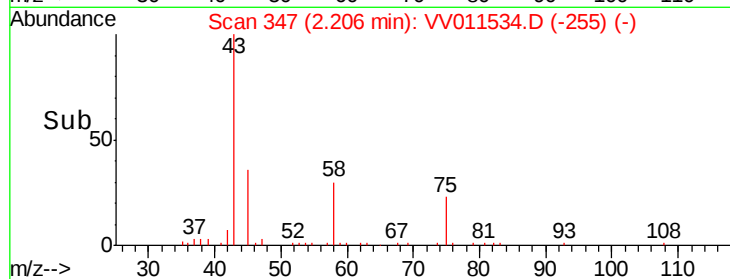
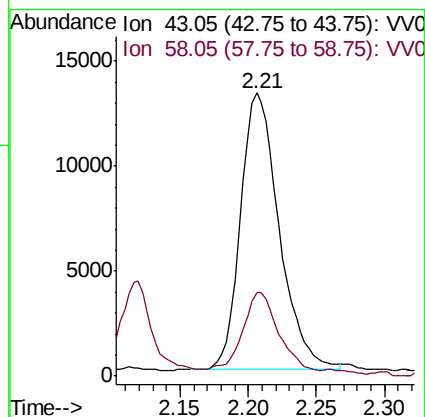
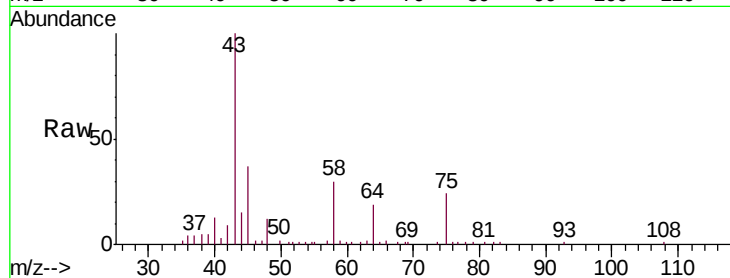
BFCM2

Tgt Ion: 43 Resp: 25950

Ion Ratio Lower Upper

43 100

58 26.5 0.0 57.8



#15

Methyl Acetate

Concen: 3.566 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.26 min

Lab File: VV011534.D

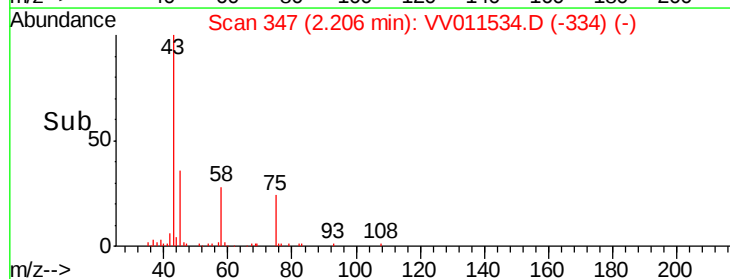
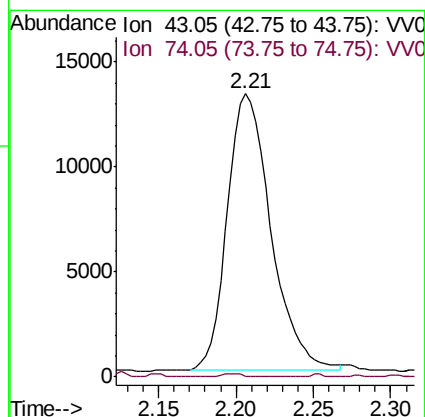
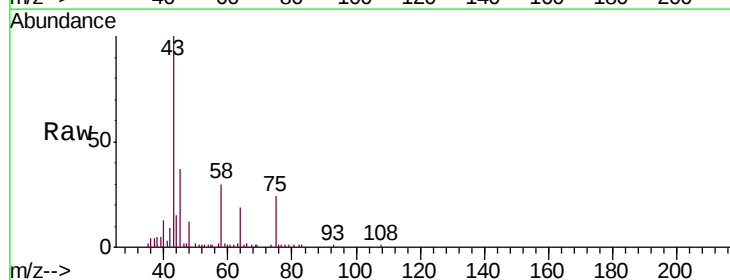
Acq: 15 Jun 2019 12:44

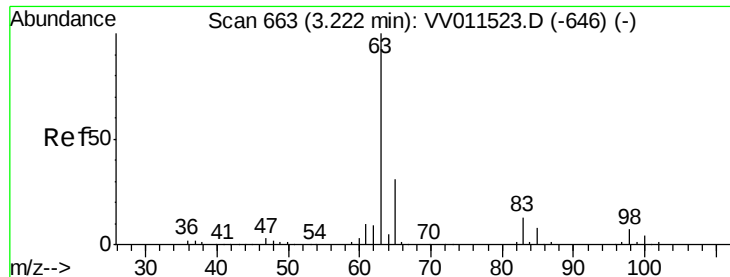
Tgt Ion: 43 Resp: 25828

Ion Ratio Lower Upper

43 100

74 0.5 16.5 24.7#

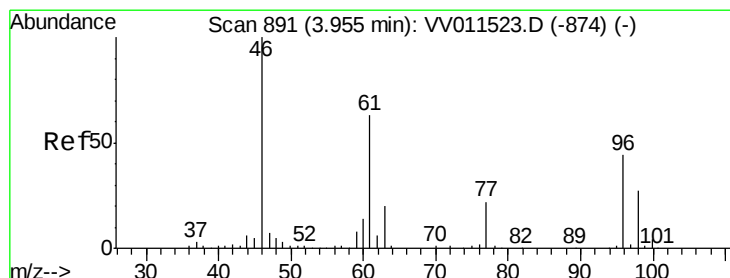
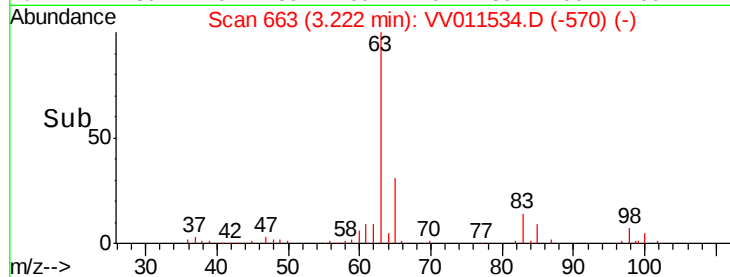
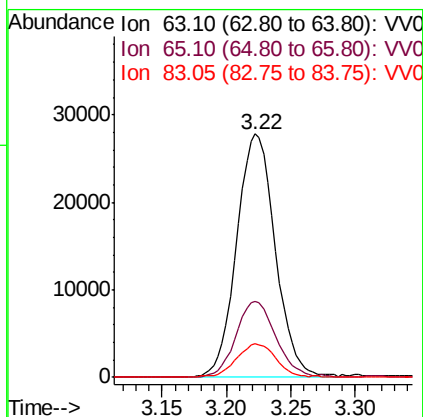
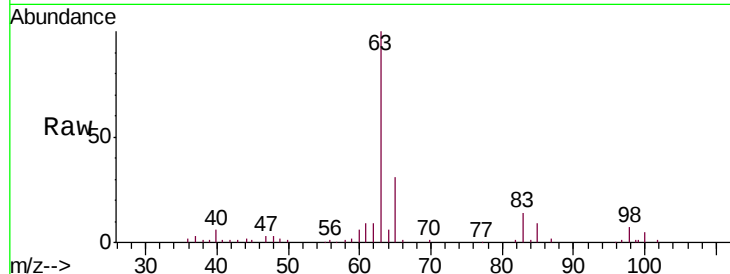




#19
 1,1-Dichloroethane
 Concen: 2.094 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011534.D
 Acq: 15 Jun 2019 12:44

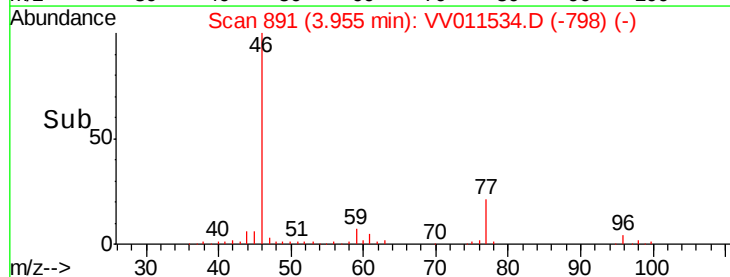
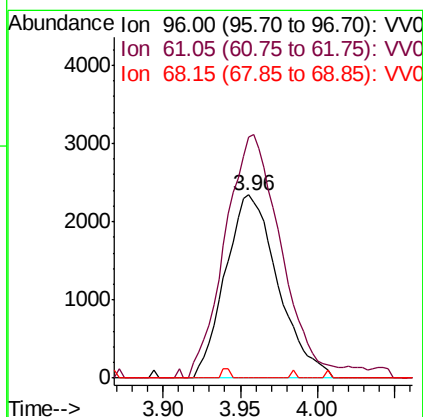
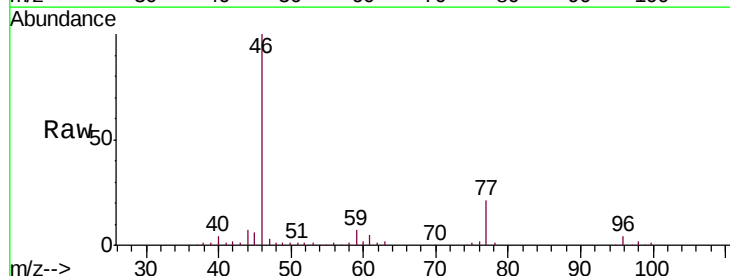
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM2

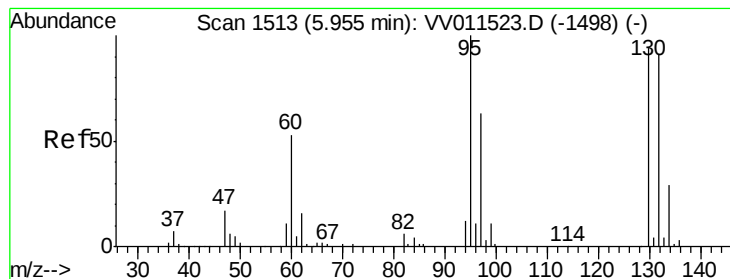
Tgt Ion: 63 Resp: 58132
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.9
 83 13.8 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.365 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011534.D
 Acq: 15 Jun 2019 12:44

Tgt Ion: 96 Resp: 5552
 Ion Ratio Lower Upper
 96 100
 61 131.8 102.2 189.8
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.154 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

Instrument :

MSVOA_V

ClientSampleId :

BFCM2

Tgt Ion: 95 Resp: 2205

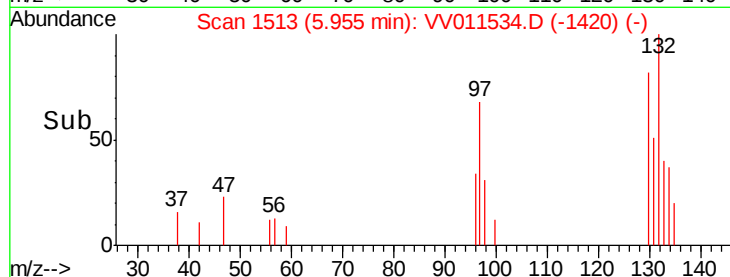
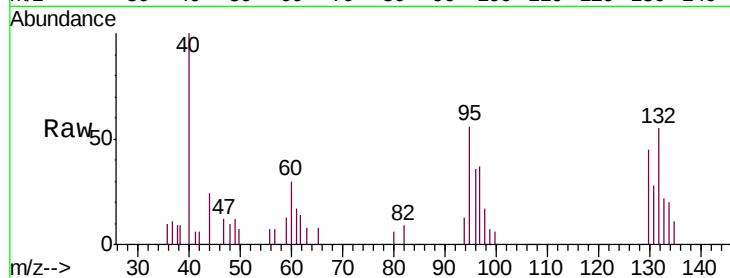
Ion Ratio Lower Upper

95 100

97 66.6 44.4 82.4

132 98.3 63.5 117.9

130 80.7 68.5 127.3



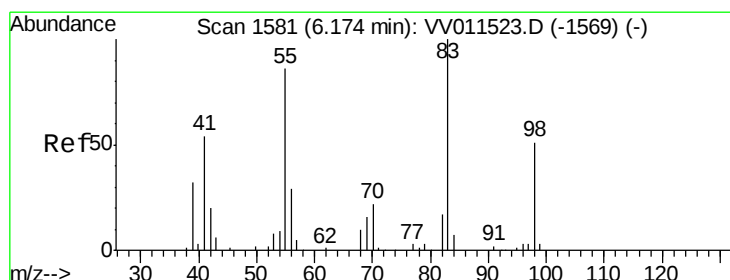
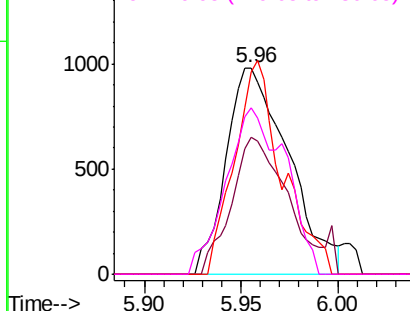
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.950 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

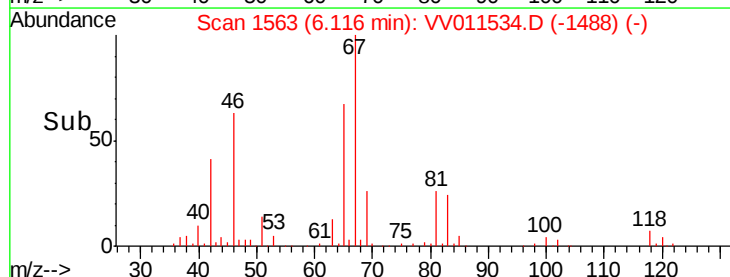
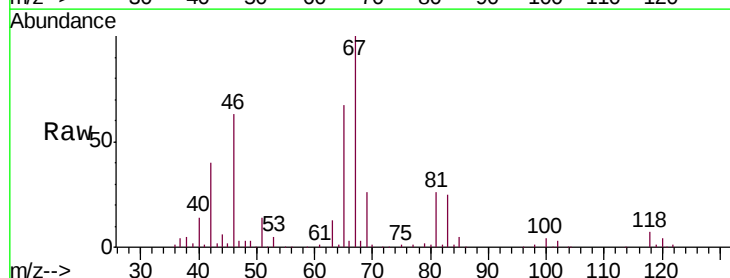
Tgt Ion: 83 Resp: 19414

Ion Ratio Lower Upper

83 100

55 0.5 67.9 101.9#

98 1.3 39.6 59.4#

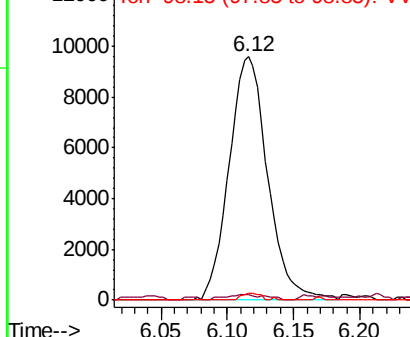


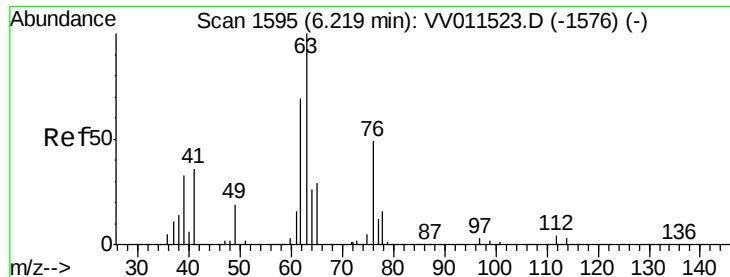
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

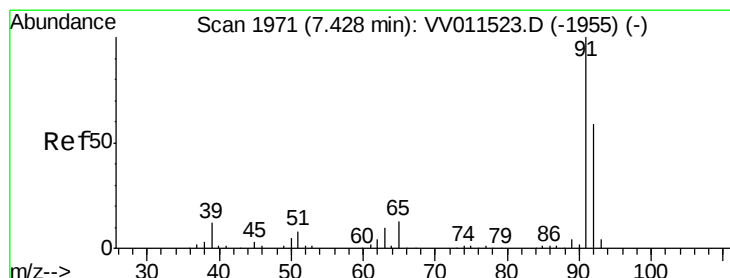
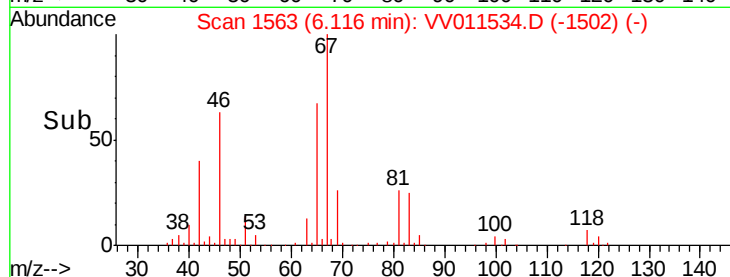
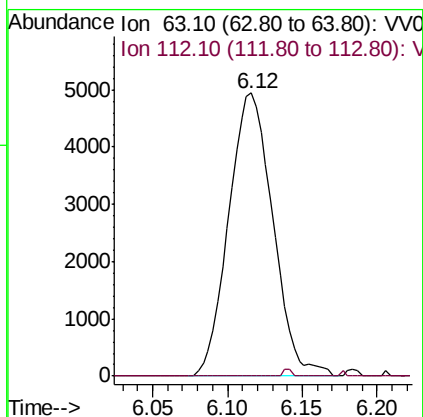
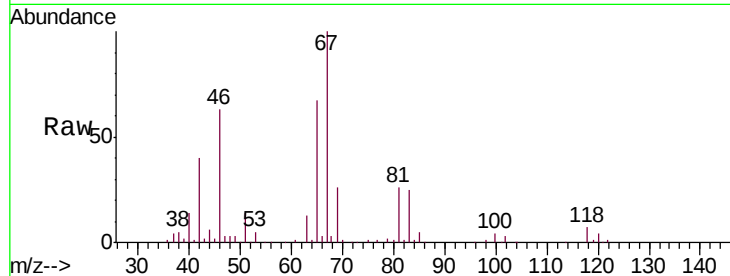




#37
 1,2-Dichloropropane
 Concen: 0.678 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011534.D
 Acq: 15 Jun 2019 12:44

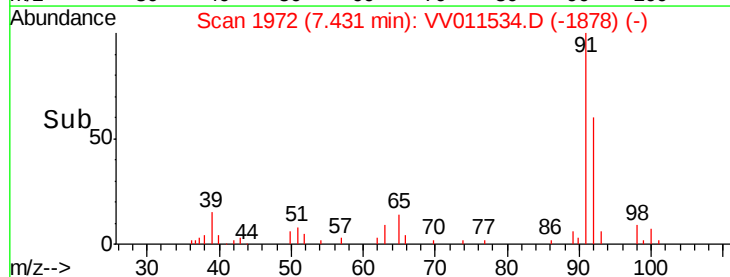
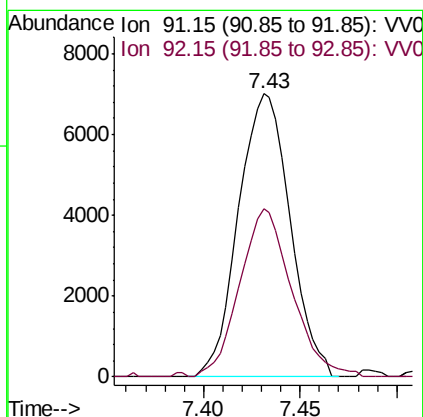
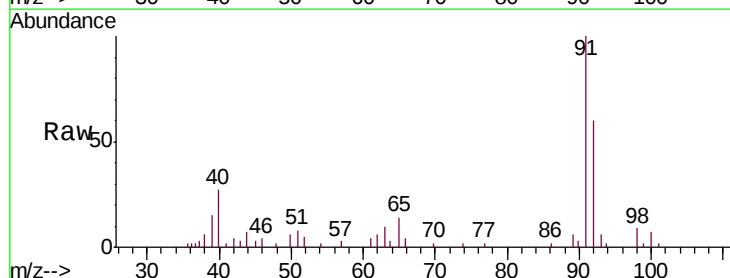
Instrument :
 MSVOA_V
 ClientSampled :
 BFCM2

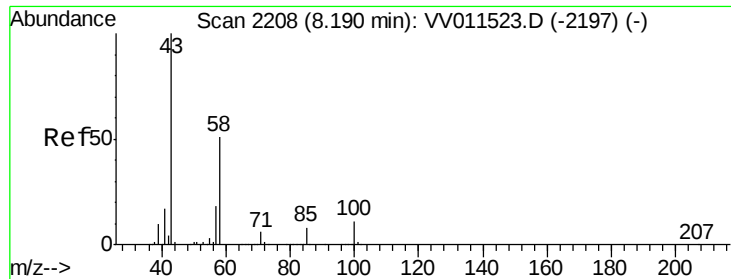
Tgt Ion: 63 Resp: 10147
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.7 5.5#



#42
 Toluene
 Concen: 0.223 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011534.D
 Acq: 15 Jun 2019 12:44

Tgt Ion: 91 Resp: 12974
 Ion Ratio Lower Upper
 91 100
 92 59.6 40.5 75.1





#48

2-Hexanone

Concen: 2.907 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV011534.D

Acq: 15 Jun 2019 12:44

Instrument :
MSVOA_V
ClientSampleId :
BFCM2

Tgt Ion: 43 Resp: 21791

Ion Ratio Lower Upper

43 100

58 29.4 40.6 60.8#

57 25.1 14.2 21.4#

100 2.2 8.6 12.8#

