

Data File : VV011423.D
Acq On : 12 Jun 2019 15:37
Operator : SY/MD
Sample : K3289-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL9

Quant Time: Jun 13 01:17:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 13 01:13:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141346	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	130522	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	48787	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51226	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.57	69	36222	4.07	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.12	63	80306	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.96	46	116313	48.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.48%
24) Chloroform-d	4.40	84	90665	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.08	65	50539	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.09	84	182376	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	55073	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	159778	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.66	79	15938	3.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.60%
46) 2-Hexanone-d5	8.14	63	85004	43.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35510	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	47852	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	12270	0.910 ug/L #	80
5) Vinyl chloride	1.32	62	6135	0.472 ug/L #	1
6) Bromomethane	1.53	94	8376	1.238 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	748	0.082 ug/L #	23
13) Acetone	2.21	43	3569	2.208 ug/L	89
14) Carbon disulfide	2.32	76	23394	0.866 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	5201	0.219 ug/L #	86
22) cis-1,2-Dichloroethene	3.96	96	6820	0.618 ug/L #	87
35) Methylcyclohexane	6.12	83	13496	0.761 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7261	0.702 ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.51	75	96	0.090 ug/L #	8

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFCL9

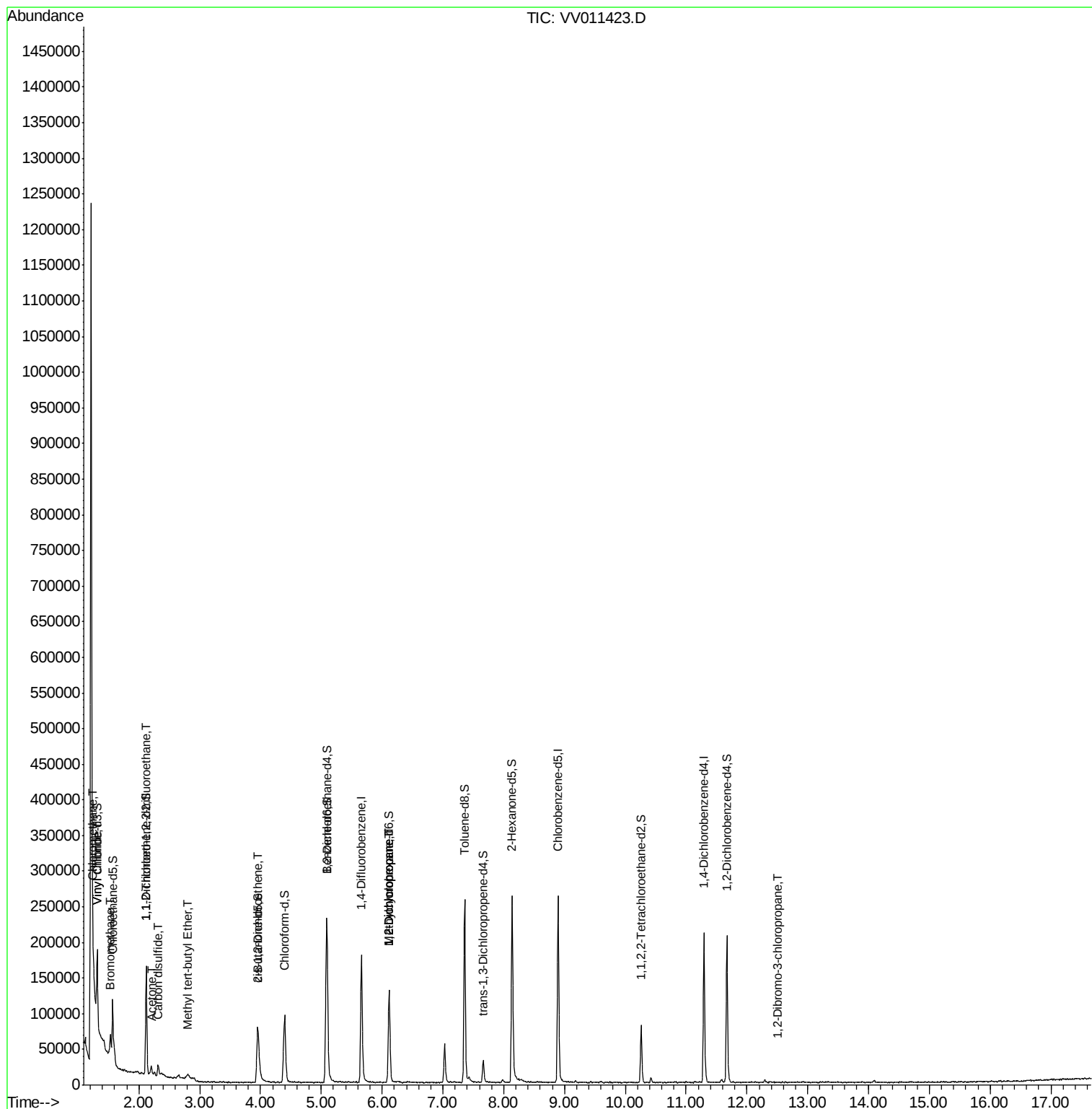
Quant Time: Jun 13 01:17:19 2019

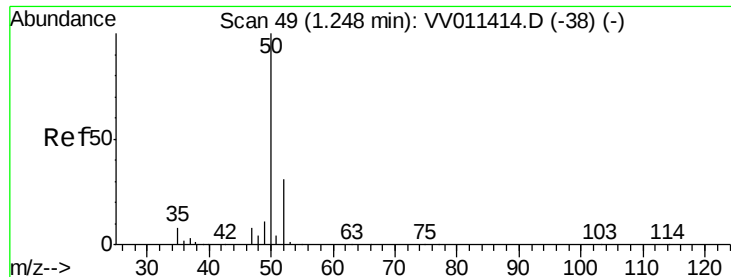
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jun 13 01:13:22 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.910 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

MSVOA_V

ClientSampled :

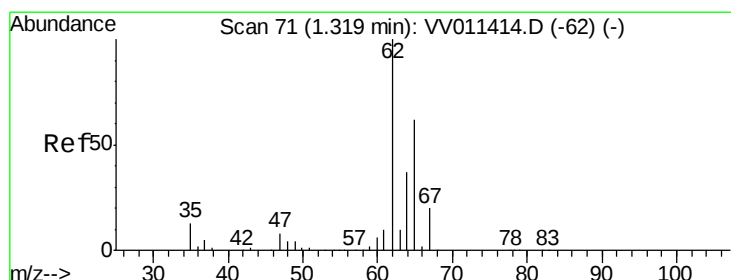
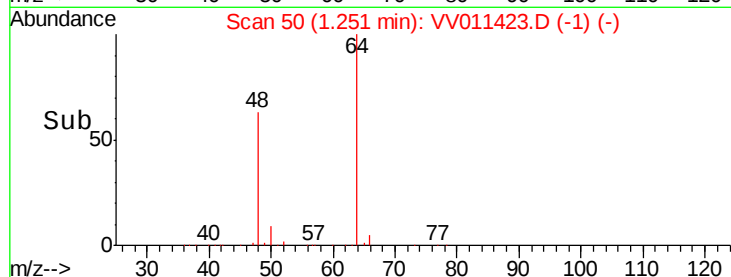
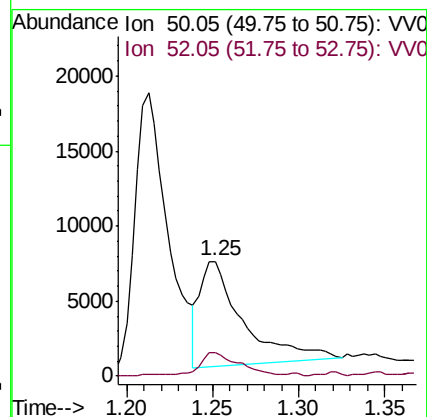
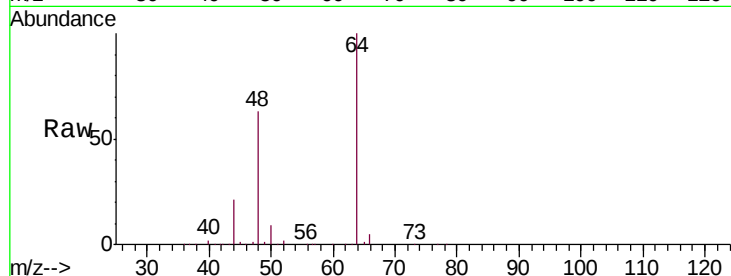
BFCL9

Tgt Ion: 50 Resp: 12270

Ion Ratio Lower Upper

50 100

52 21.0 22.3 41.5#



#5

Vinyl chloride

Concen: 0.472 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011423.D

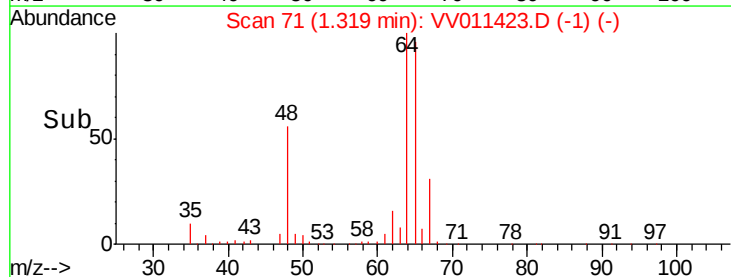
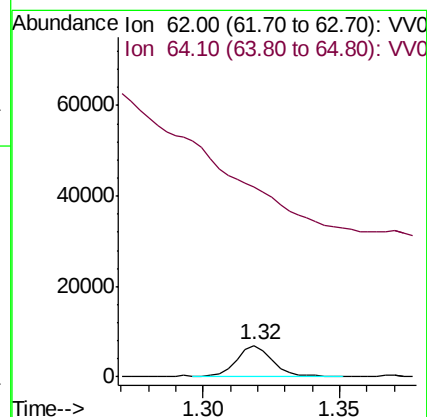
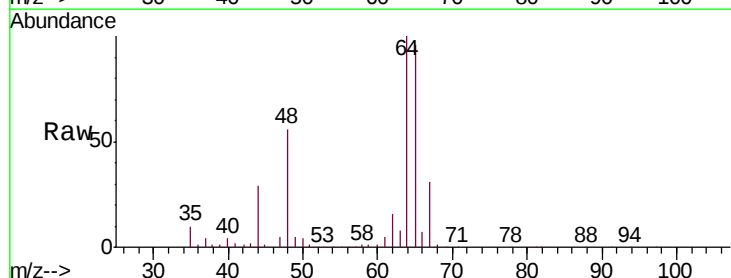
Acq: 12 Jun 2019 15:37

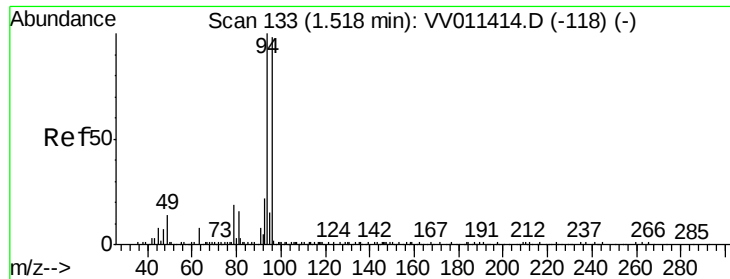
Tgt Ion: 62 Resp: 6135

Ion Ratio Lower Upper

62 100

64 608.1 25.9 48.1#





#6

Bromomethane

Concen: 1.238 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

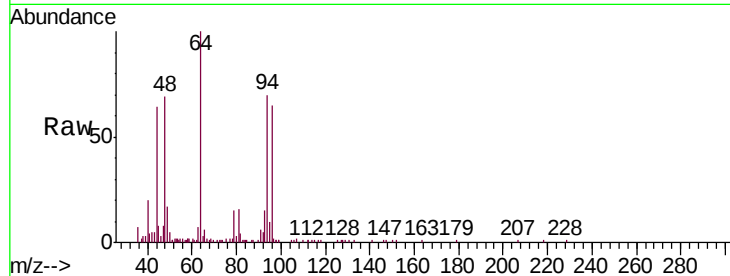
BFCL9

Tgt Ion: 94 Resp: 8376

Ion Ratio Lower Upper

94 100

96 93.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

8000

6000

4000

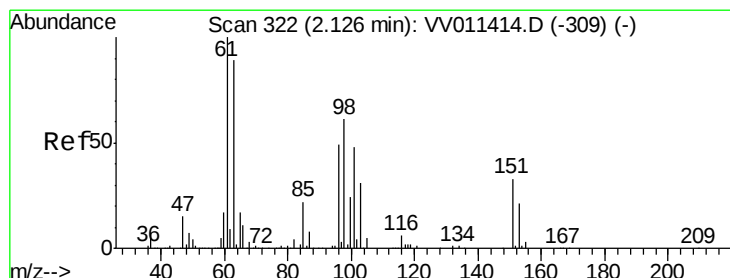
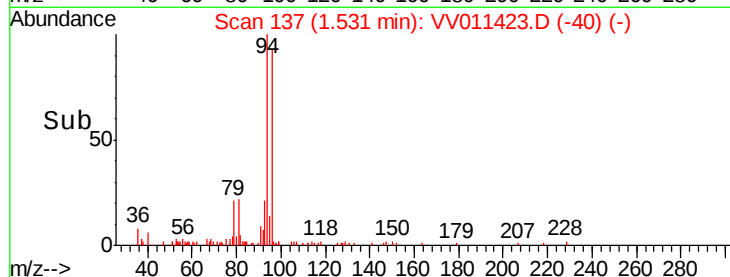
2000

0

Time-->

1.50

1.55



#10

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

Concen: 0.082 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

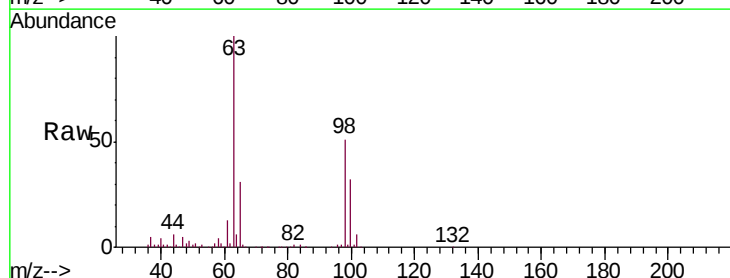
Tgt Ion: 101 Resp: 748

Ion Ratio Lower Upper

101 100

85 2.9 35.5 53.3#

151 0.0 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

600

400

200

0

Time-->

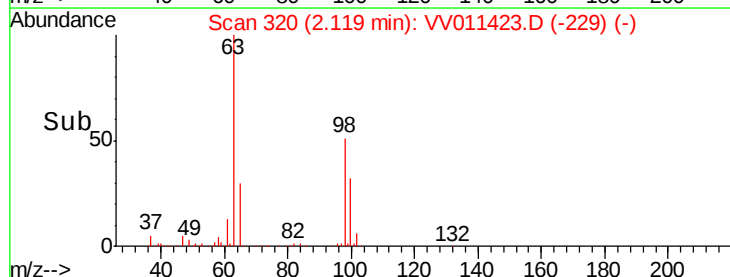
2.08

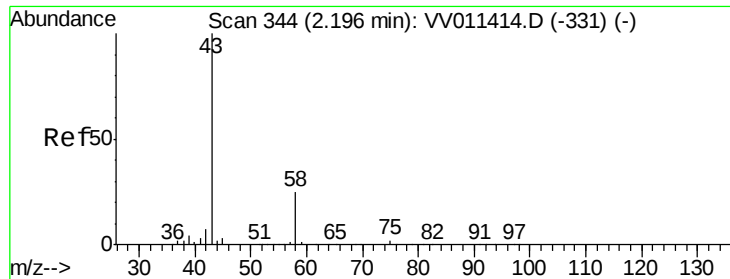
2.10

2.12

2.14

2.16





#13

Acetone

Concen: 2.208 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

MSVOA_V

ClientSampled :

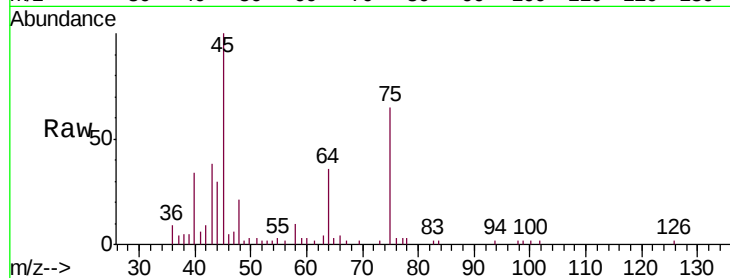
BFCL9

Tgt Ion: 43 Resp: 3569

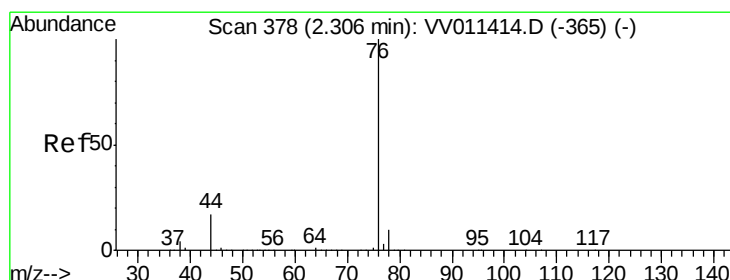
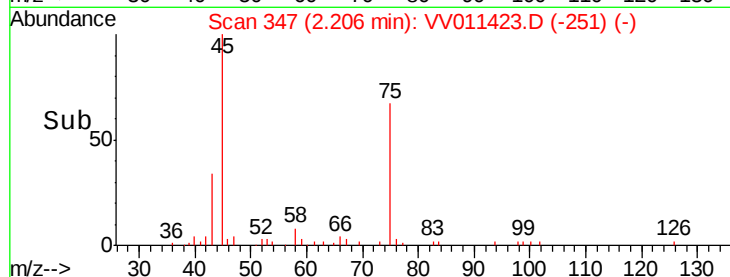
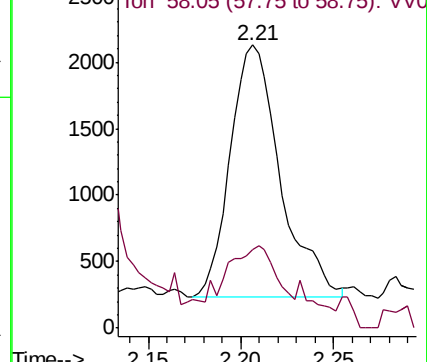
Ion Ratio Lower Upper

43 100

58 21.9 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011414.D (-331) (-)



#14

Carbon disulfide

Concen: 0.866 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV011423.D

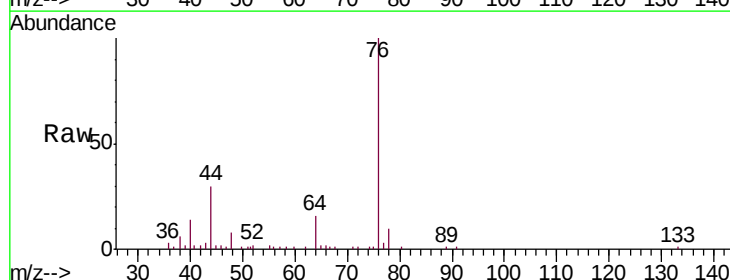
Acq: 12 Jun 2019 15:37

Tgt Ion: 76 Resp: 23394

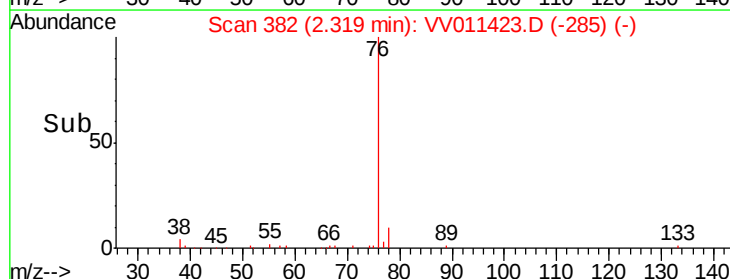
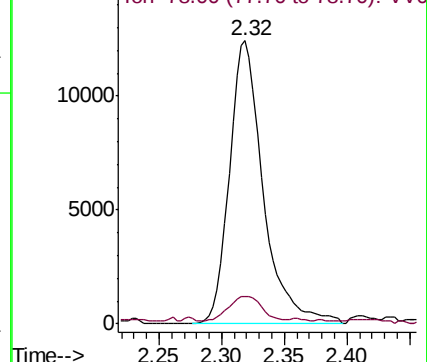
Ion Ratio Lower Upper

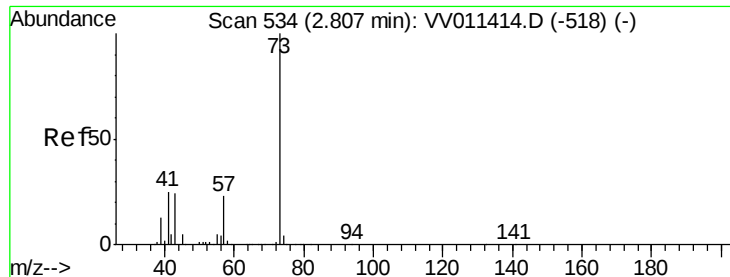
76 100

78 9.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011414.D (-365) (-)





#17

Methyl tert-butyl Ether

Concen: 0.219 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

BFCL9

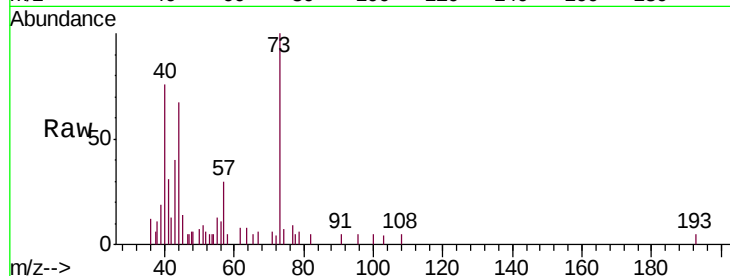
Tgt Ion: 73 Resp: 5201

Ion Ratio Lower Upper

73 100

43 25.2 18.7 28.1

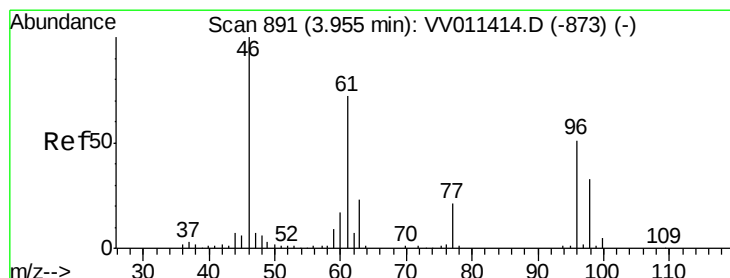
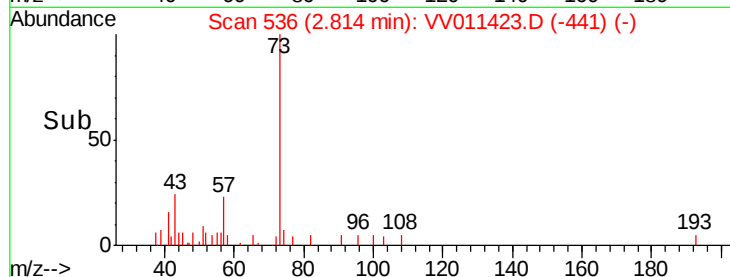
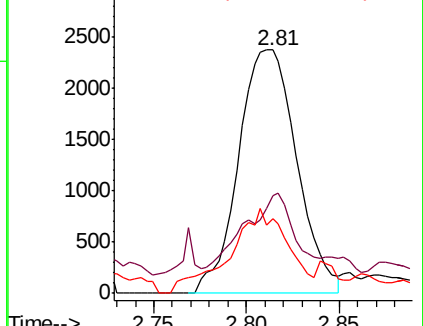
57 34.9 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VV011414.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV011414.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV011414.D (-518) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.618 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

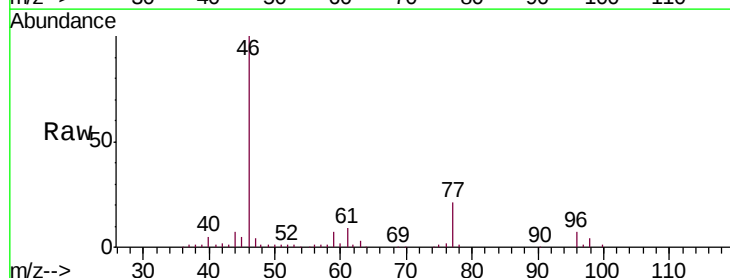
Tgt Ion: 96 Resp: 6820

Ion Ratio Lower Upper

96 100

61 128.2 100.8 187.2

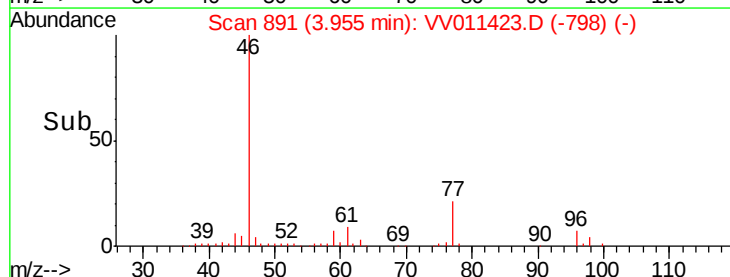
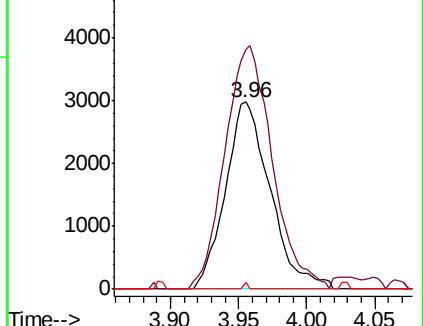
68 3.4 0.0 0.0#

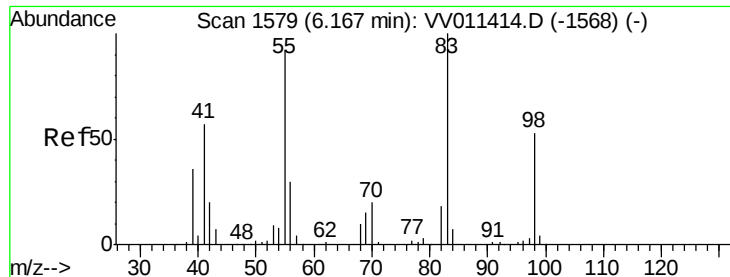


Abundance Ion 96.00 (95.70 to 96.70): VV011414.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VV011414.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VV011414.D (-873) (-)





#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

BFCL9

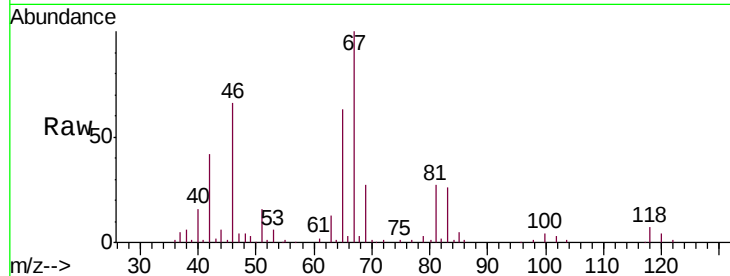
Tgt Ion: 83 Resp: 13496

Ion Ratio Lower Upper

83 100

55 0.3 67.0 100.6#

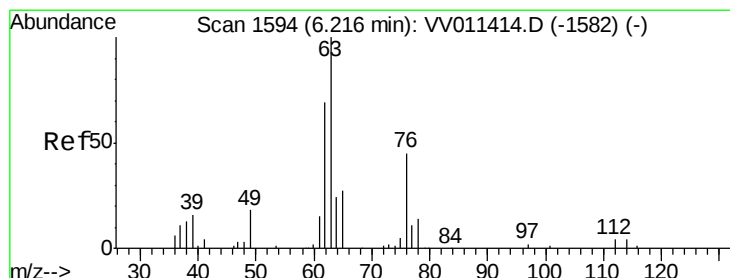
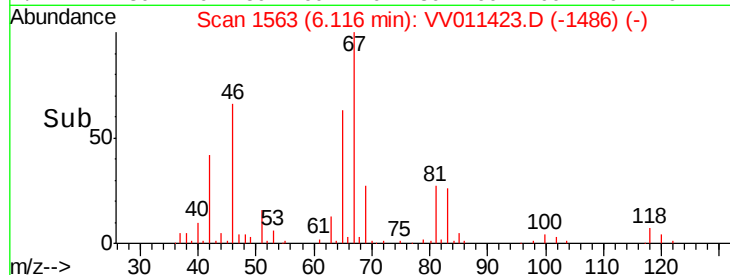
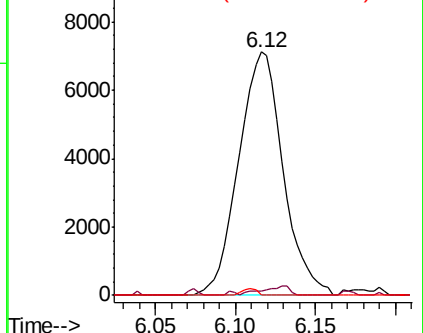
98 0.9 40.0 60.0#



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: 0.702 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011423.D

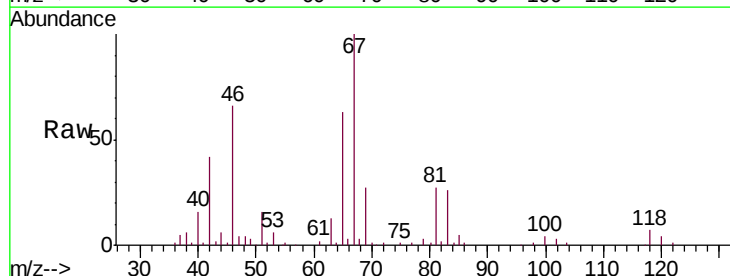
Acq: 12 Jun 2019 15:37

Tgt Ion: 63 Resp: 7261

Ion Ratio Lower Upper

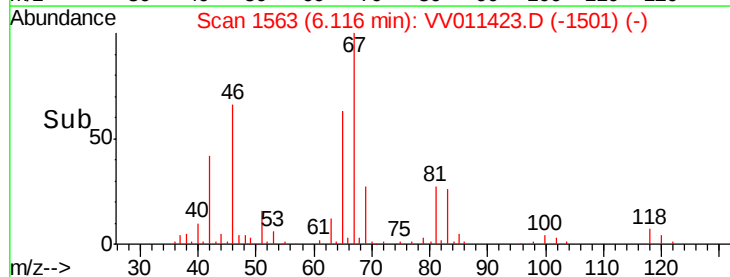
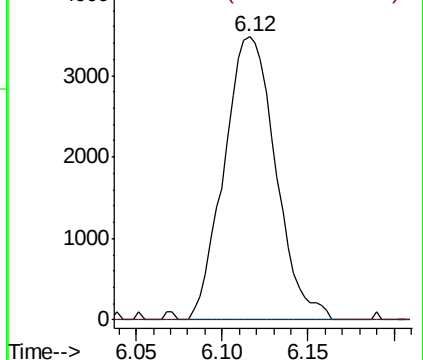
63 100

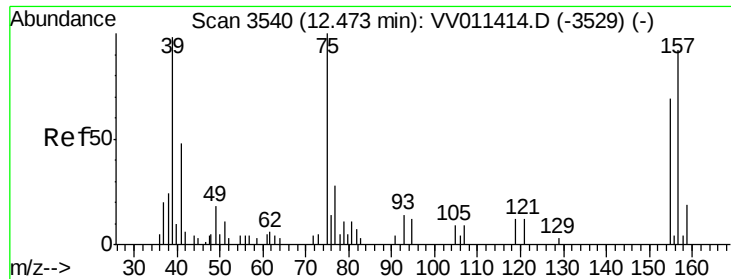
112 0.6 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#66

1,2-Dibromo-3-chloropropane

Concen: 0.090 ug/L

RT: 12.51 min Scan# 3553

Delta R.T. 0.04 min

Lab File: VV011423.D

Acq: 12 Jun 2019 15:37

Instrument :

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ClientSampleId :

BFCL9

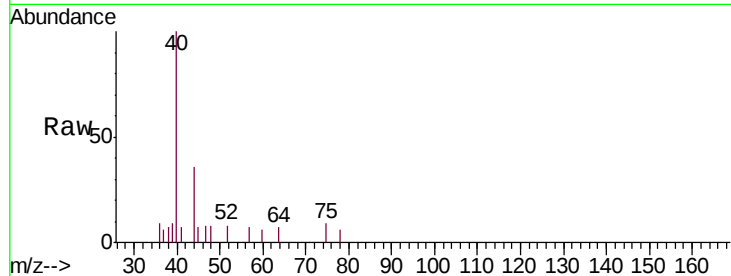
Tgt Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

155 0.0 64.4 96.6#

157 0.0 66.7 100.1#



Abundance Ion 75.05 (74.75 to 75.75): VV011423.D (-3447) (-)

Ion 154.95 (154.65 to 155.65): VV011423.D (-3447) (-)

Ion 156.90 (156.60 to 157.60): VV011423.D (-3447) (-)

