

Data File : VV011407.D
Acq On : 11 Jun 2019 23:39
Operator : SY/MD
Sample : K3289-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL3

Quant Time: Jun 12 04:42:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 12 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133900	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124994	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	48750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29695	2.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.60%
7) Chloroethane-d5	1.55	69	31519	3.74	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.12	63	51609	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	3.94	46	140215	61.38	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.76%
24) Chloroform-d	4.40	84	77527	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.08	65	45869	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.09	84	143792	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.00%
36) 1,2-Dichloropropane-d6	6.12	67	48593	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.36	98	120165	3.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.00%
43) trans-1,3-Dichloropropene-	7.66	79	12944	2.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.00%
46) 2-Hexanone-d5	8.13	63	102615	55.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38226	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	44243	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

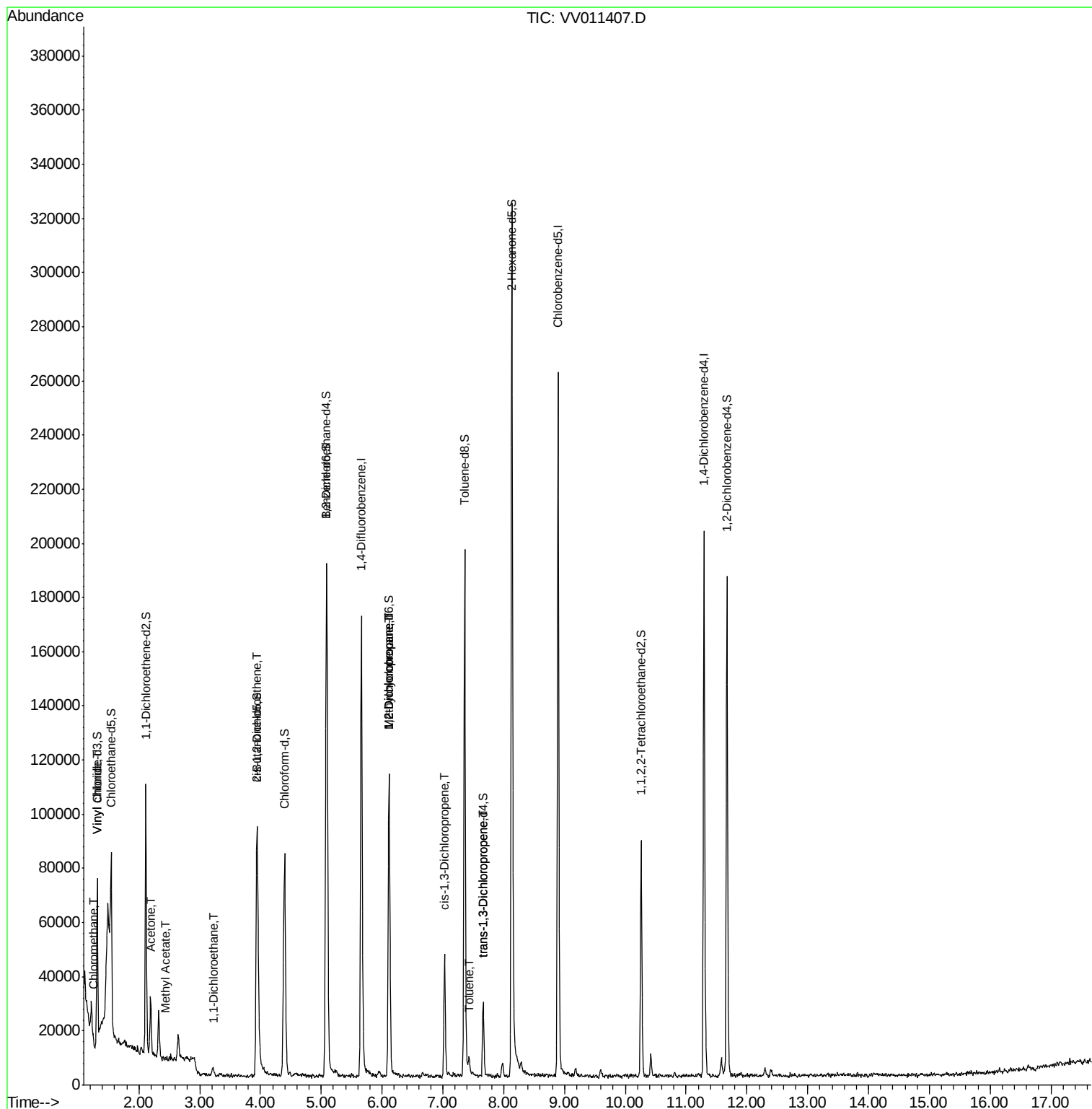
					Qvalue
3) Chloromethane	1.25	50	2397	0.188 ug/L	99
5) Vinyl chloride	1.32	62	1497	0.122 ug/L #	1
13) Acetone	2.19	43	4493	2.934 ug/L	96
15) Methyl Acetate	2.44	43	595	0.146 ug/L #	78
19) 1,1-Dichloroethane	3.22	63	2992	0.161 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	2672	0.255 ug/L	82
35) Methylcyclohexane	6.11	83	11195	0.659 ug/L #	16
37) 1,2-Dichloropropane	6.11	63	6008	0.607 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1180	0.081 ug/L #	25
42) Toluene	7.43	91	3118	0.074 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	971	0.088 ug/L	97

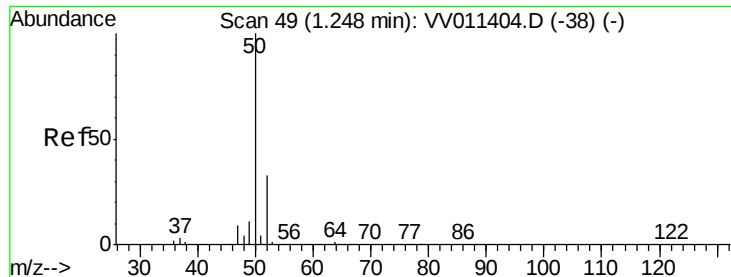
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.188 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

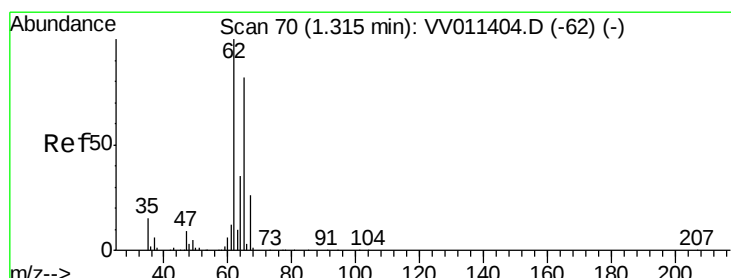
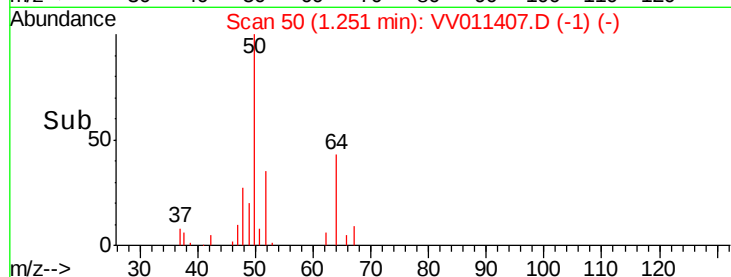
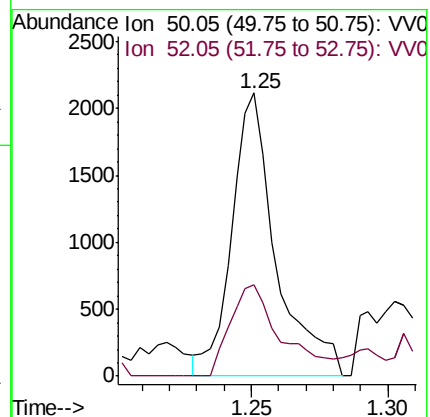
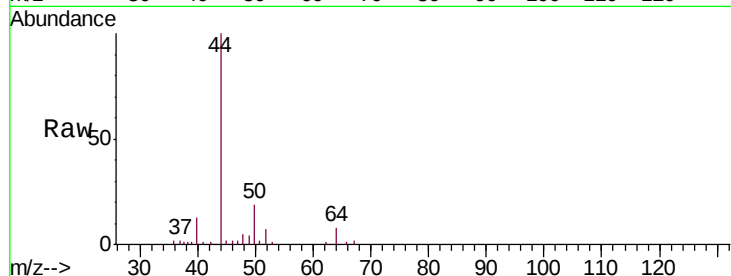
BFCL3

Tgt Ion: 50 Resp: 2397

Ion Ratio Lower Upper

50 100

52 32.3 22.3 41.5



#5

Vinyl chloride

Concen: 0.122 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011407.D

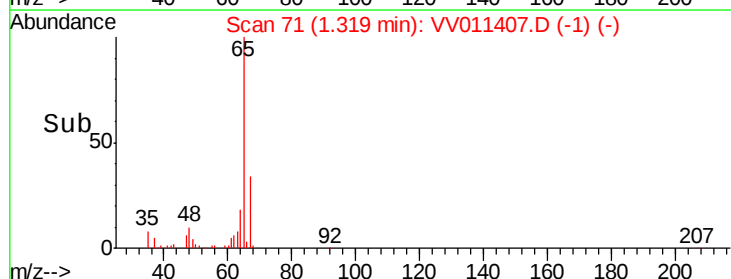
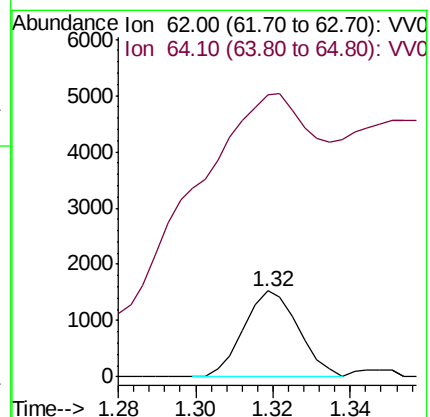
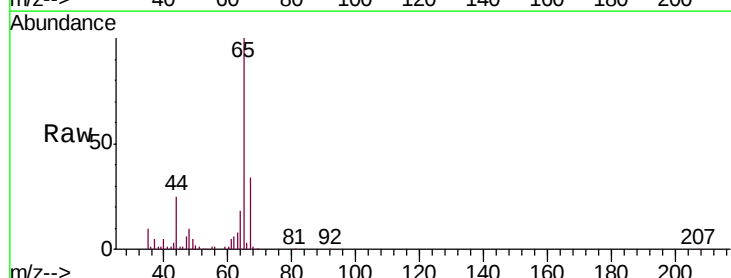
Acq: 11 Jun 2019 23:39

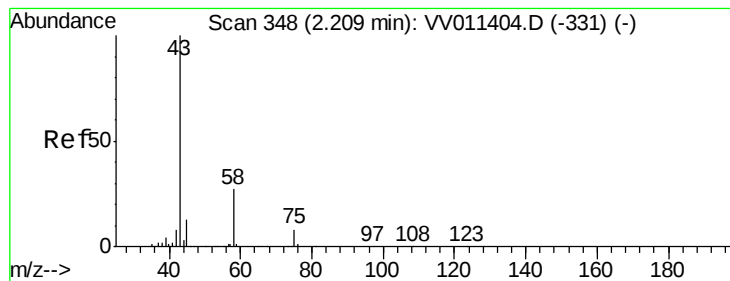
Tgt Ion: 62 Resp: 1497

Ion Ratio Lower Upper

62 100

64 329.8 25.9 48.1#





#13

Acetone

Concen: 2.934 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

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MSVOA_V

ClientSampleId :

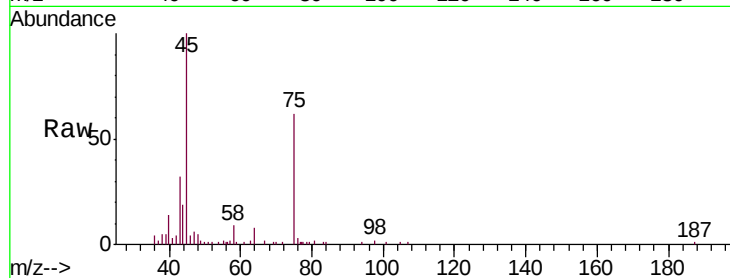
BFCL3

Tgt Ion: 43 Resp: 4493

Ion Ratio Lower Upper

43 100

58 25.3 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

3000

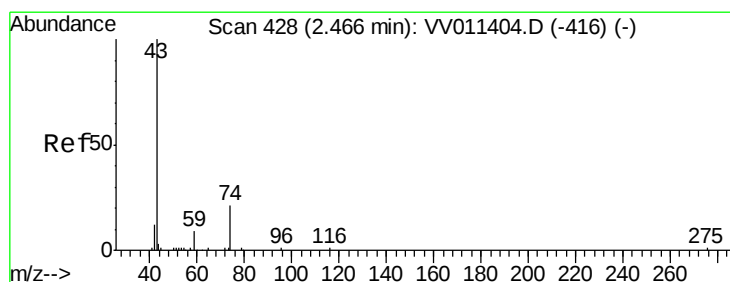
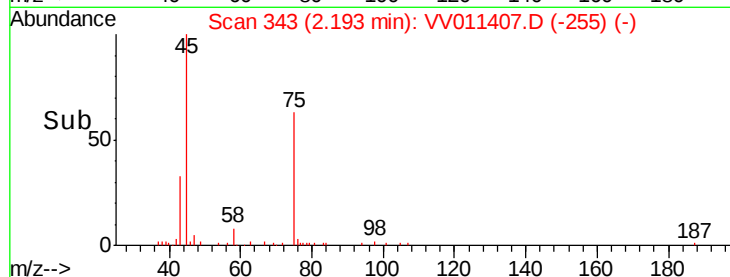
2000

1000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 0.146 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.03 min

Lab File: VV011407.D

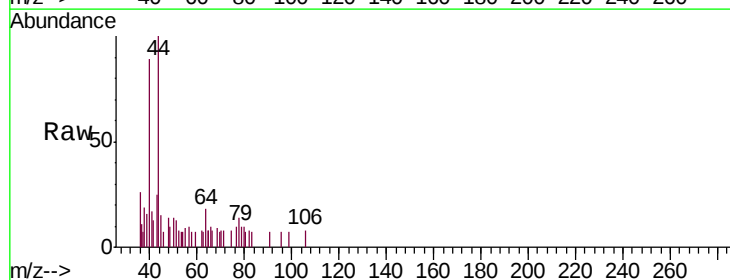
Acq: 11 Jun 2019 23:39

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

43 100

74 33.8 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.44

400

300

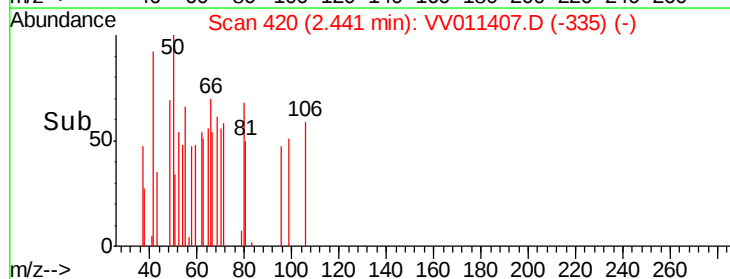
200

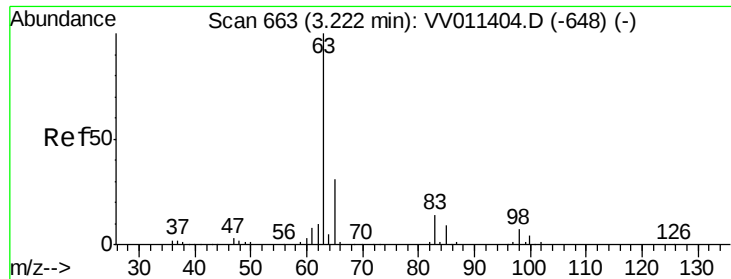
100

0

Time-->

2.40 2.42 2.44

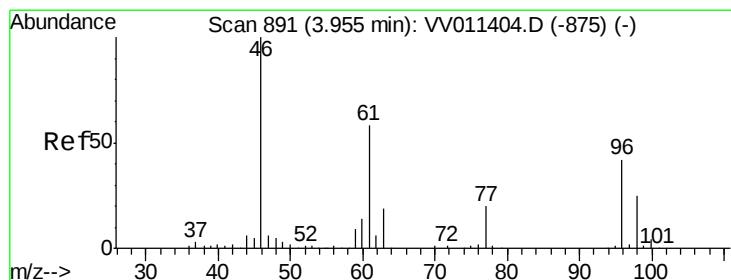
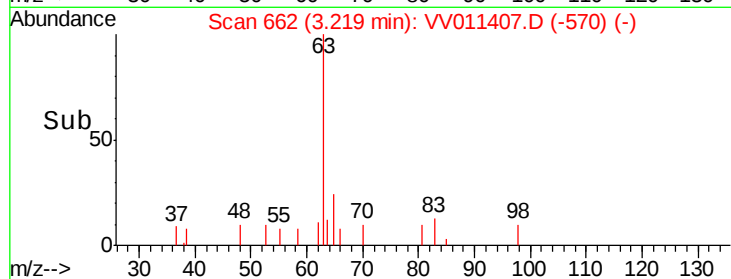
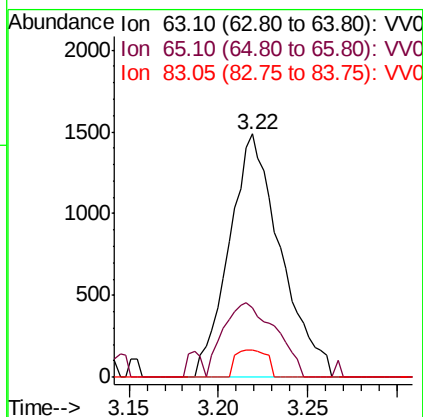
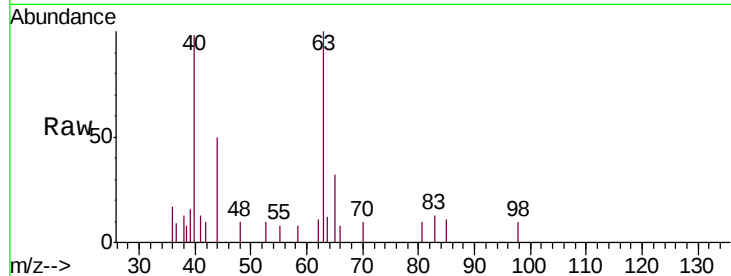




#19
 1,1-Dichloroethane
 Concen: 0.161 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VV011407.D
 Acq: 11 Jun 2019 23:39

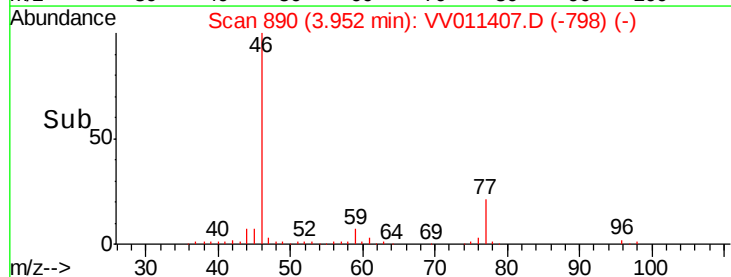
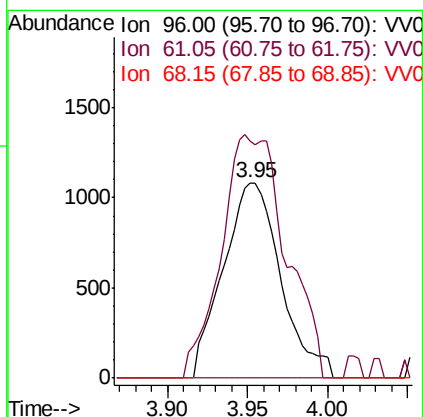
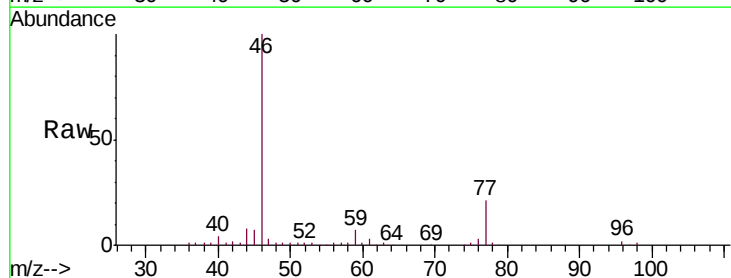
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL3

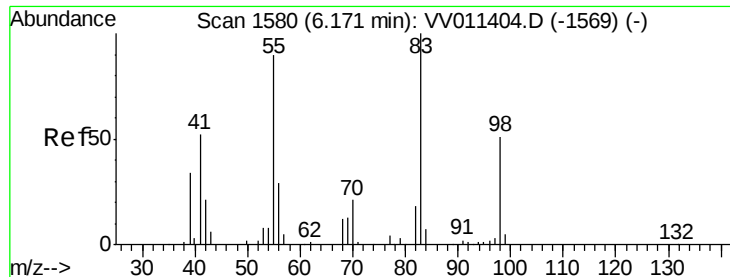
Tgt Ion: 63 Resp: 2992
 Ion Ratio Lower Upper
 63 100
 65 28.6 22.1 41.1
 83 11.2 9.2 17.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.255 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV011407.D
 Acq: 11 Jun 2019 23:39

Tgt Ion: 96 Resp: 2672
 Ion Ratio Lower Upper
 96 100
 61 121.6 100.8 187.2
 68 0.0 0.0 0.0





#35

Methylcyclohexane

Concen: 0.659 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011407.D

Acq: 11 Jun 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

BFCL3

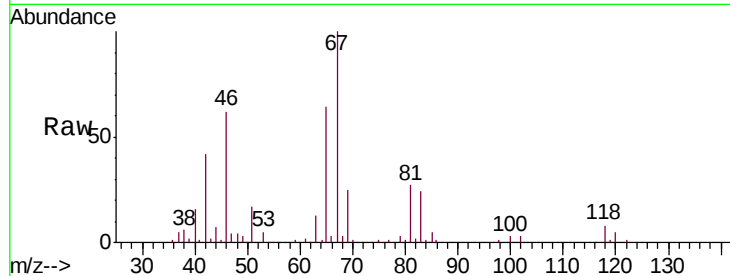
Tgt Ion: 83 Resp: 11195

Ion Ratio Lower Upper

83 100

55 1.0 67.0 100.6#

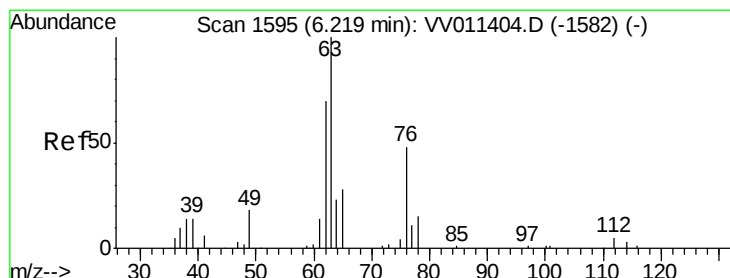
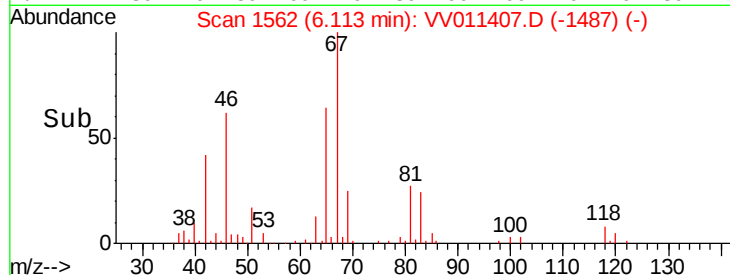
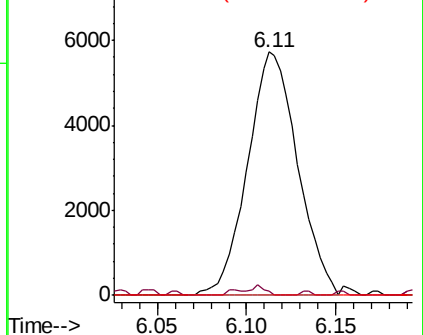
98 0.0 40.0 60.0#



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: 0.607 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV011407.D

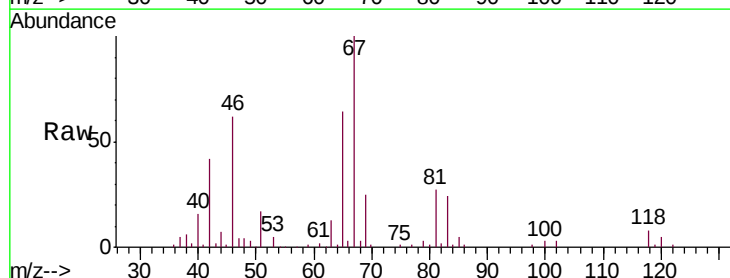
Acq: 11 Jun 2019 23:39

Tgt Ion: 63 Resp: 6008

Ion Ratio Lower Upper

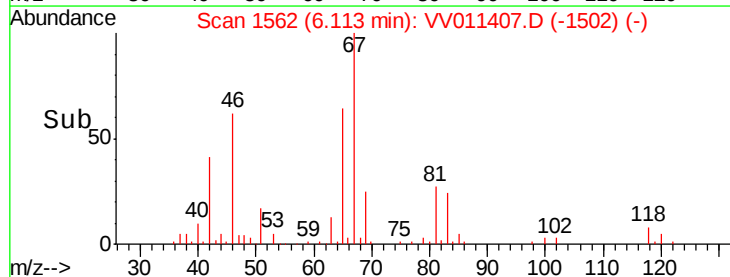
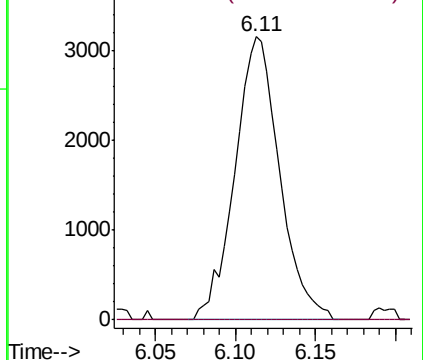
63 100

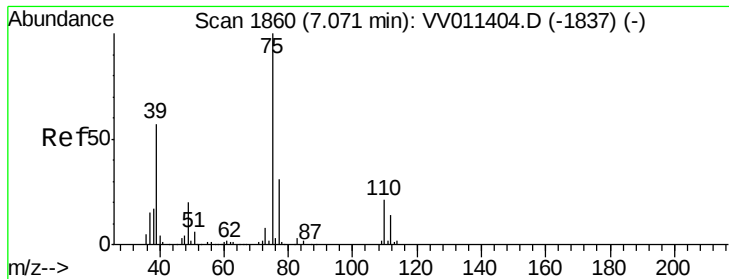
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.05 min

Lab File: VV011407.D

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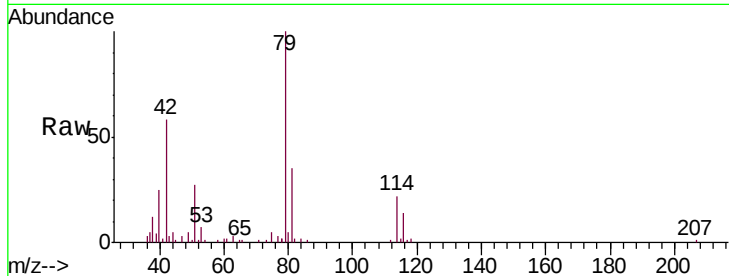
BFCL3

Tgt Ion: 75 Resp: 1180

Ion Ratio Lower Upper

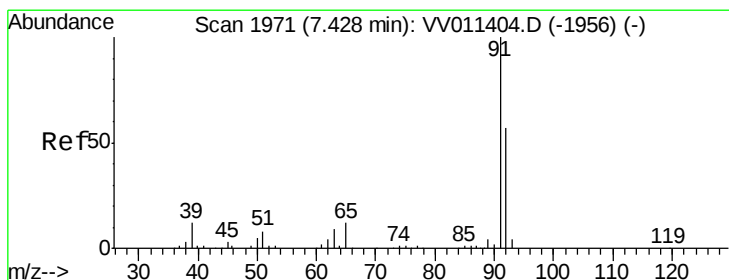
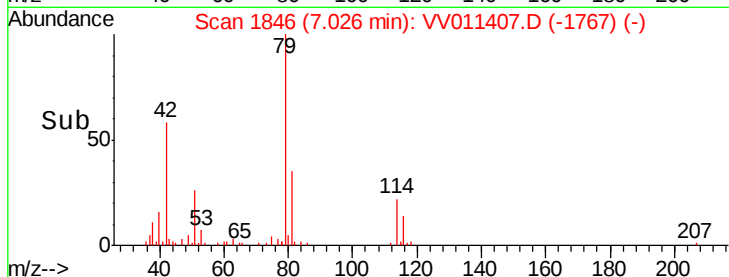
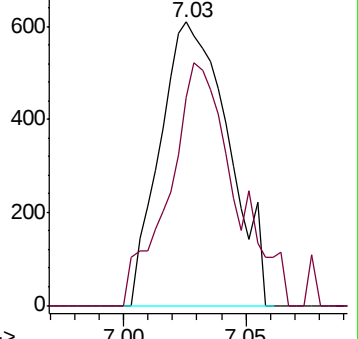
75 100

77 73.4 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.074 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011407.D

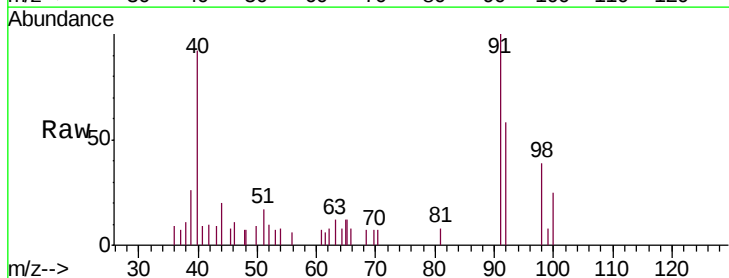
Acq: 11 Jun 2019 23:39

Tgt Ion: 91 Resp: 3118

Ion Ratio Lower Upper

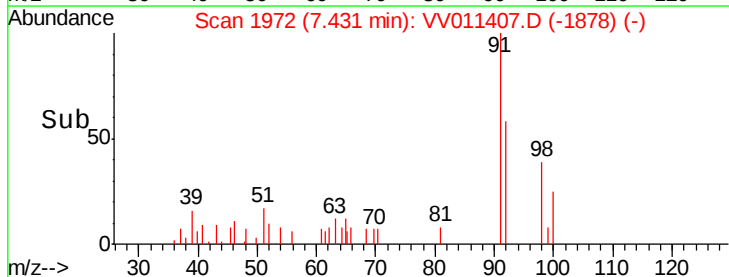
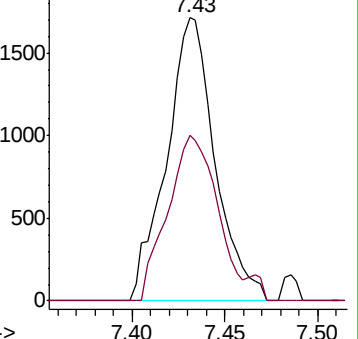
91 100

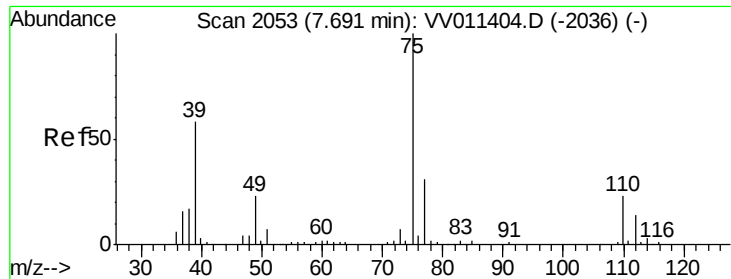
92 58.4 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011407.D

Acq: 11 Jun 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

BFCL3

Tgt Ion: 75 Resp: 971

Ion Ratio Lower Upper

75 100

77 34.6 23.1 42.9

