

Data File : VV011513.D
Acq On : 15 Jun 2019 01:54
Operator : SY/MD
Sample : K3289-08 500X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL2

Quant Time: Jun 15 02:59:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177810	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	60391	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.58	69	41723	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.12	63	102308	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.96	46	195752	51.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.64%
24) Chloroform-d	4.40	84	121493	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.08	65	72342	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.09	84	241471	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.11	67	76908	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	201808	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.66	79	23696	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	147630	50.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53011	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	64222	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	41509	2.446	ug/L 96
8) Chloroethane	1.59	64	1163	0.142	ug/L # 61
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9458	0.886	ug/L 96
12) 1,1-Dichloroethene	2.13	96	19717	1.783	ug/L # 55
16) Methylene chloride	2.53	84	1503	0.120	ug/L 90
18) trans-1,2-Dichloroethene	2.78	96	6318	0.505	ug/L 92
19) 1,1-Dichloroethane	3.22	63	47801	1.848	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	607949	42.916	ug/L 97
29) 1,1,1-Trichloroethane	4.65	97	28837	1.450	ug/L 98
31) Carbon tetrachloride	4.65	117	3435	0.213	ug/L # 50
34) Trichloroethene	5.96	95	490057	36.809	ug/L 98
35) Methylcyclohexane	6.12	83	18410	0.970	ug/L # 15
37) 1,2-Dichloropropane	6.12	63	9390	0.676	ug/L # 88
39) cis-1,3-Dichloropropene	7.03	75	2328	0.133	ug/L # 71
44) trans-1,3-Dichloropropene	7.67	75	1383	0.103	ug/L 93
47) Tetrachloroethene	8.02	164	36616	3.857	ug/L 99
48) 2-Hexanone	8.14	43	19544	2.806	ug/L # 73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration

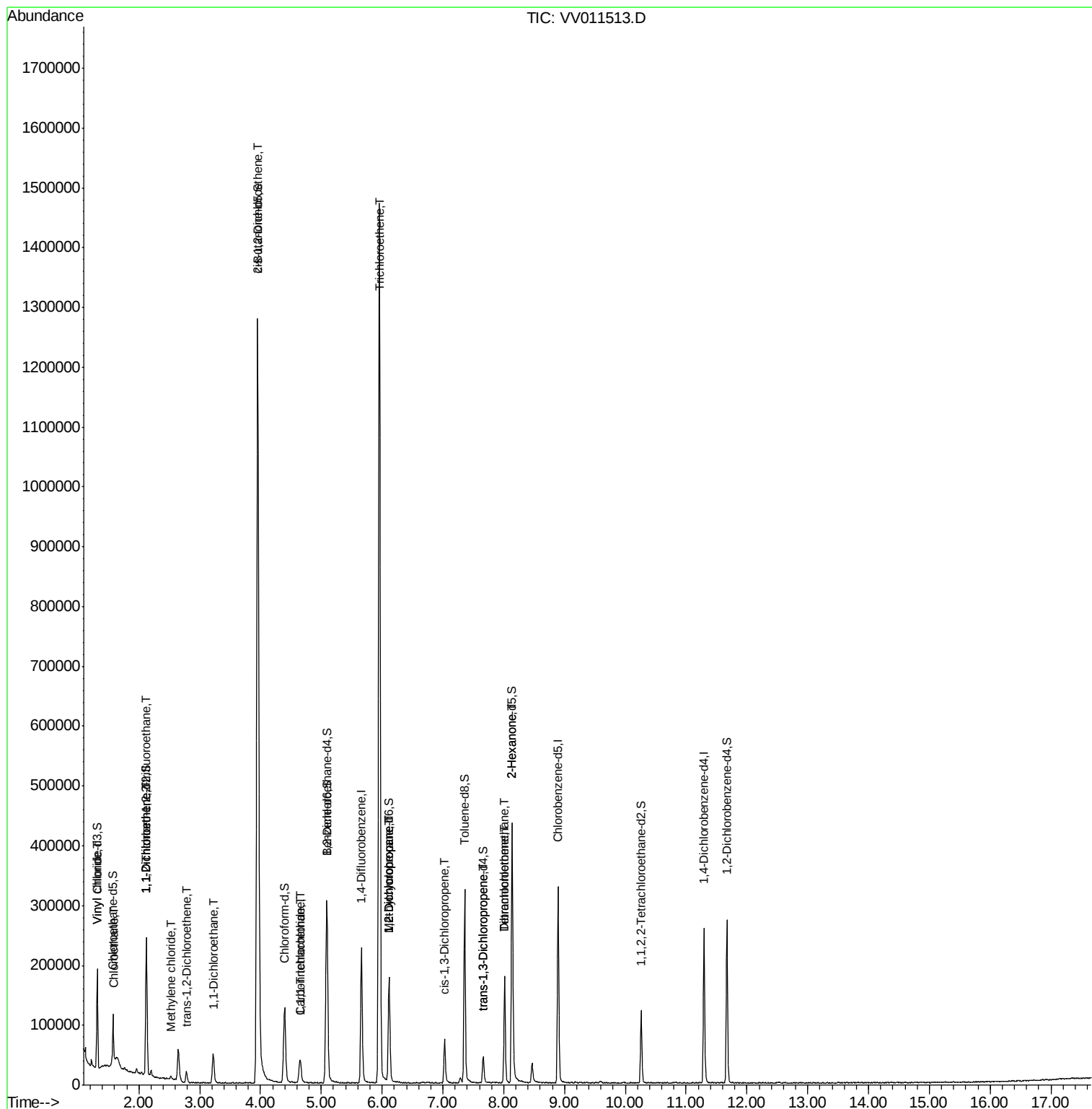
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	33695	3.615	ug/L #	12
-----	-----	-----	-----	-----	-----	-----

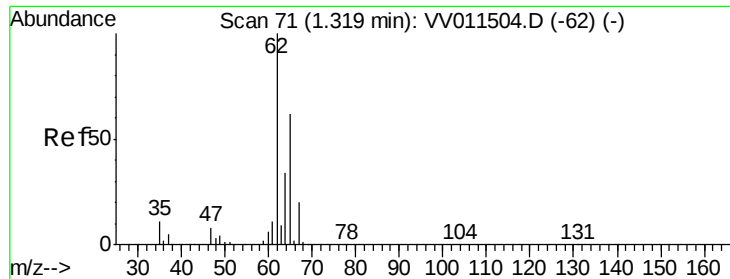
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.446 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

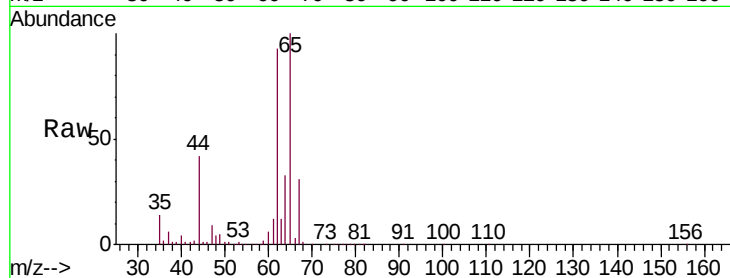
BFCL2

Tgt Ion: 62 Resp: 41509

Ion Ratio Lower Upper

62 100

64 35.2 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

40000

30000

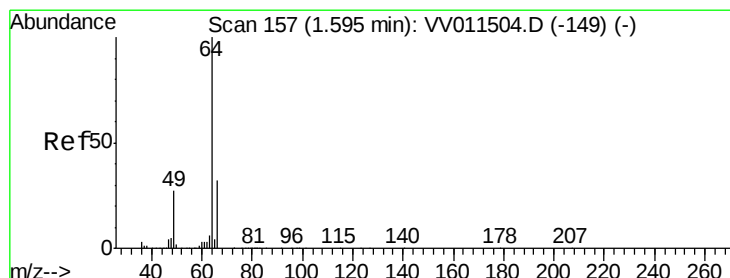
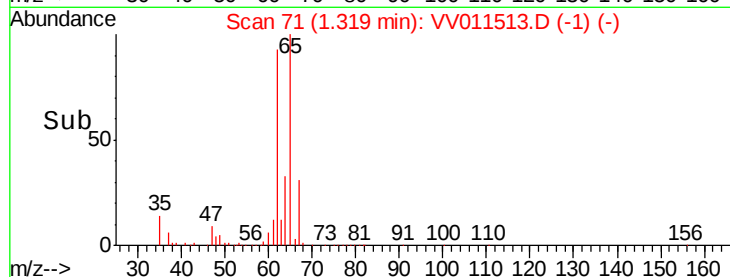
20000

10000

0

Time-->

1.30 1.35



#8

Chloroethane

Concen: 0.142 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011513.D

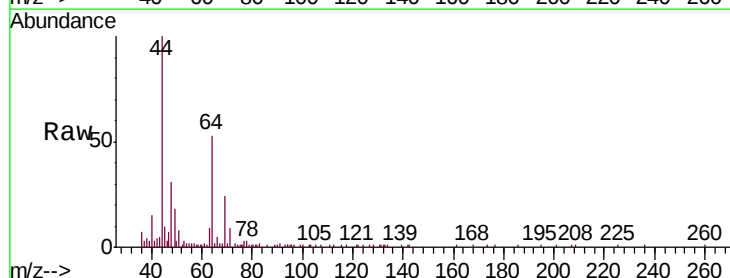
Acq: 15 Jun 2019 01:54

Tgt Ion: 64 Resp: 1163

Ion Ratio Lower Upper

64 100

66 9.7 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

6000

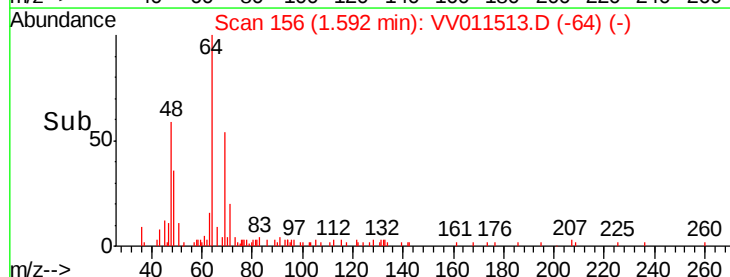
4000

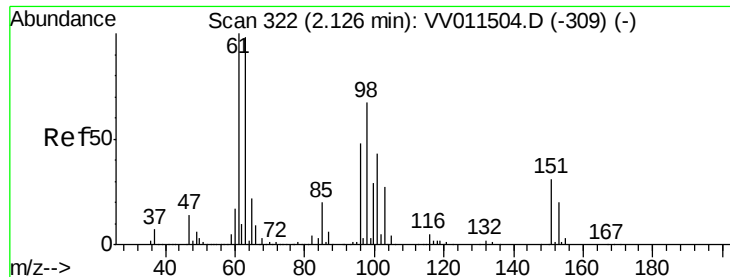
2000

0

Time-->

1.58 1.60 1.62





#10

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

Concen: 0.886 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

BFCL2

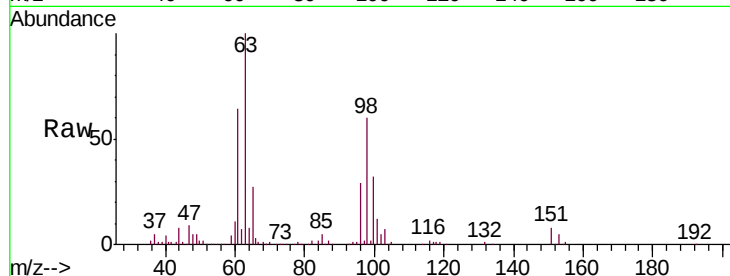
Tgt Ion:101 Resp: 9458

Ion Ratio Lower Upper

101 100

85 43.9 37.3 55.9

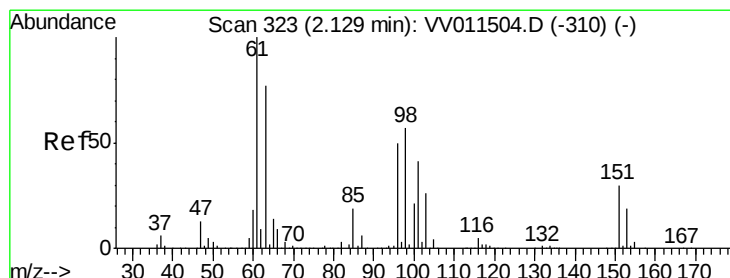
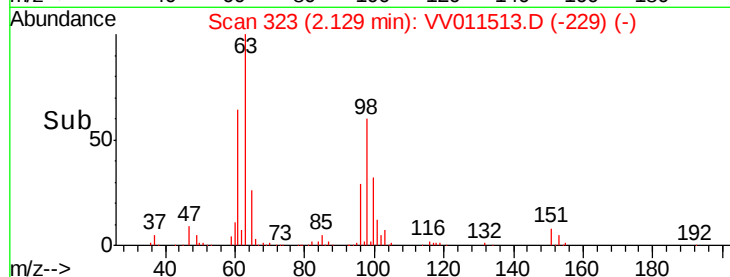
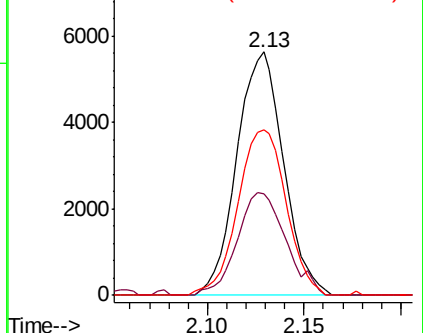
151 70.3 59.4 89.2



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



#12

1,1-Dichloroethene

Concen: 1.783 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

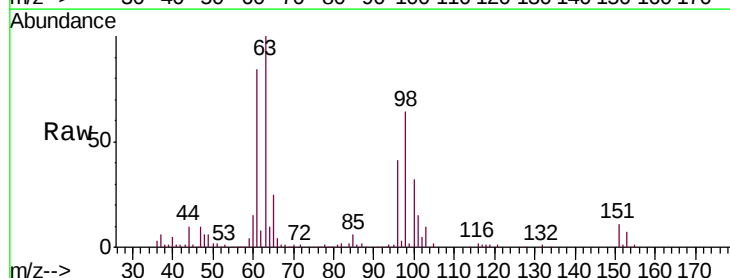
Tgt Ion: 96 Resp: 19717

Ion Ratio Lower Upper

96 100

61 204.2 135.9 252.5

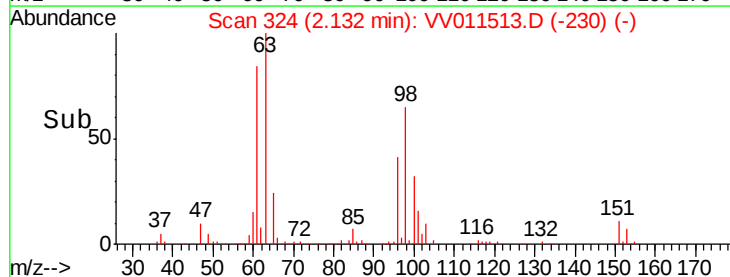
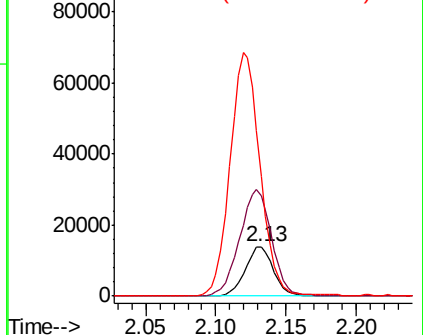
63 243.0 86.2 160.2#

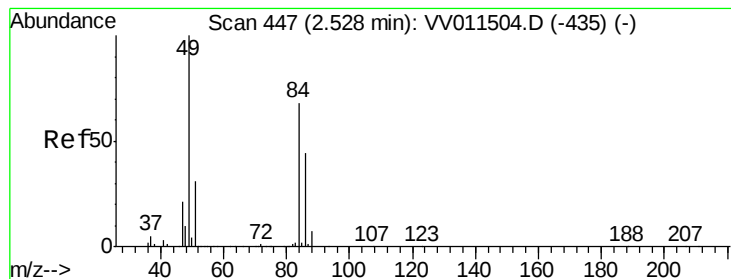


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#16

Methylene chloride

Concen: 0.120 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampled :

BFCL2

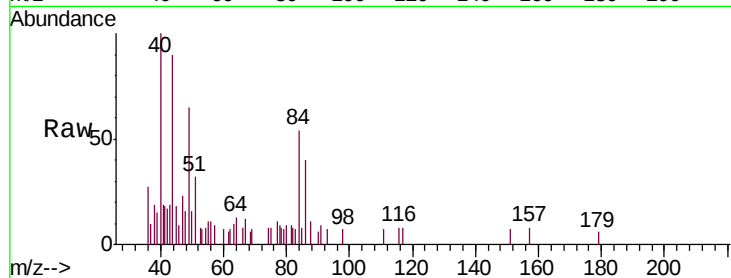
Tgt Ion: 84 Resp: 1503

Ion Ratio Lower Upper

84 100

86 73.2 42.5 78.9

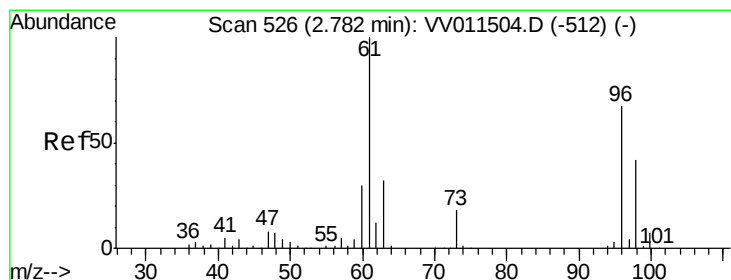
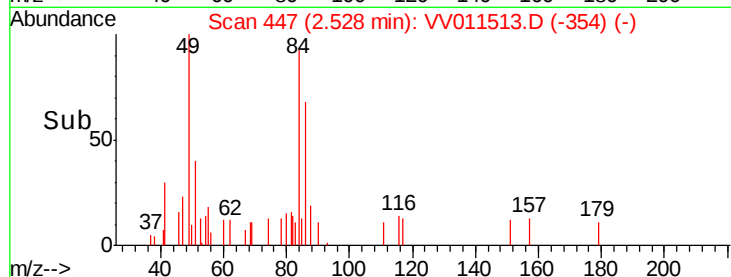
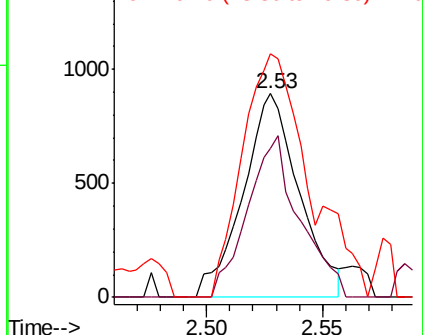
49 148.2 97.7 181.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.505 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

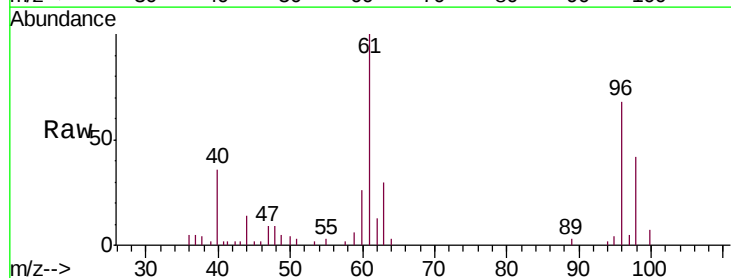
Tgt Ion: 96 Resp: 6318

Ion Ratio Lower Upper

96 100

61 146.1 110.0 204.4

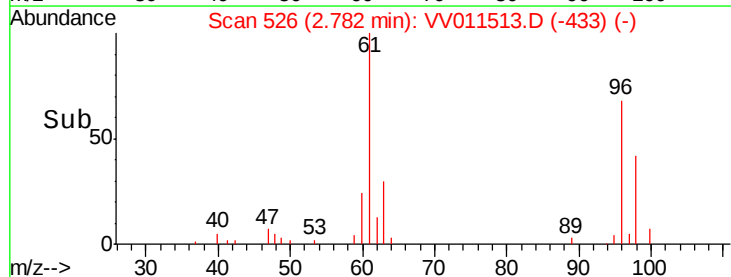
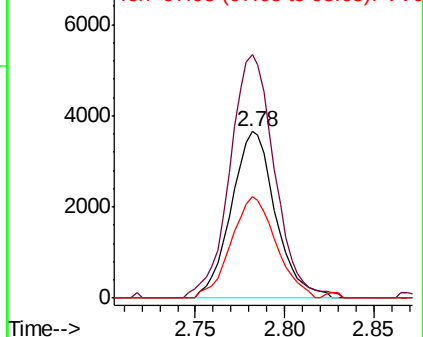
98 60.8 45.8 85.0

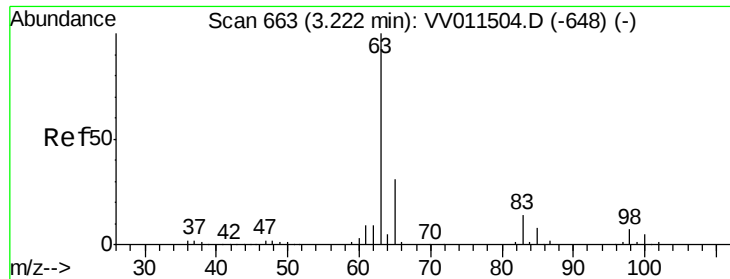


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

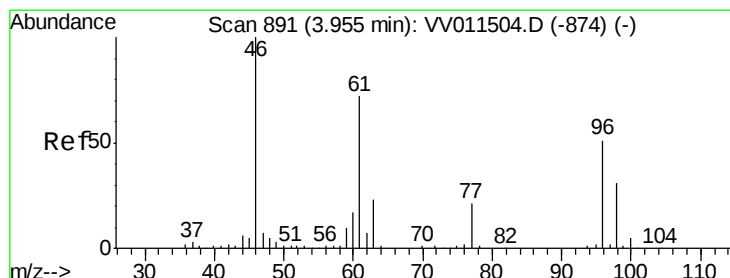
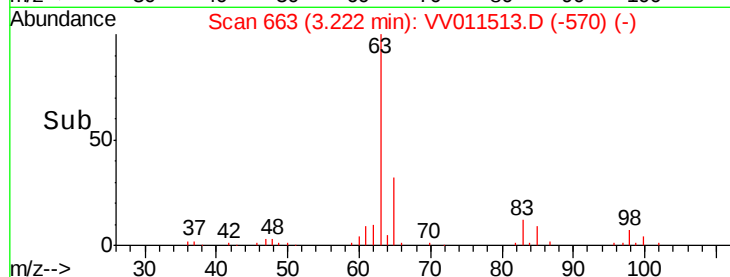
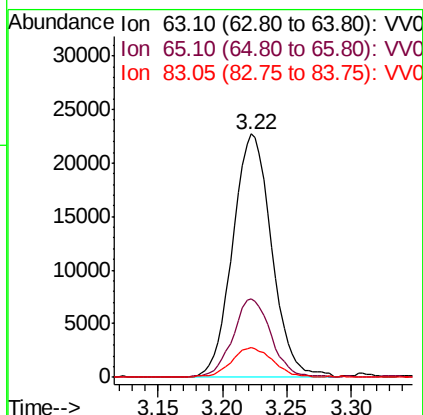
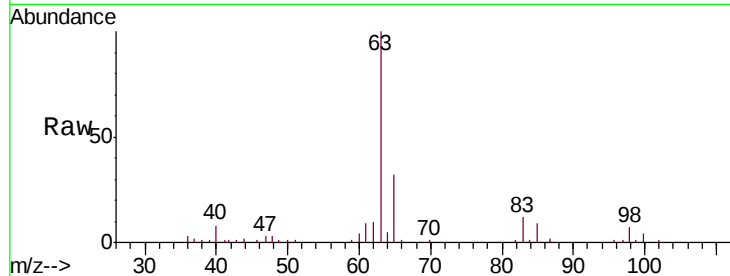




#19
 1,1-Dichloroethane
 Concen: 1.848 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011513.D
 Acq: 15 Jun 2019 01:54

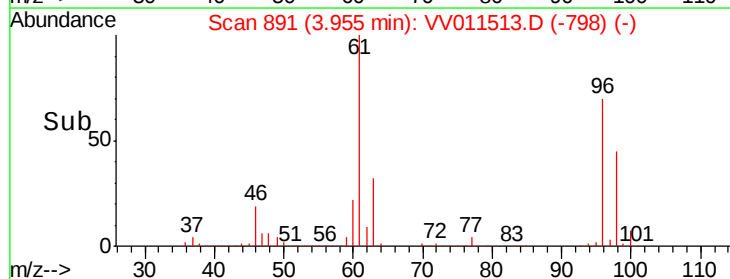
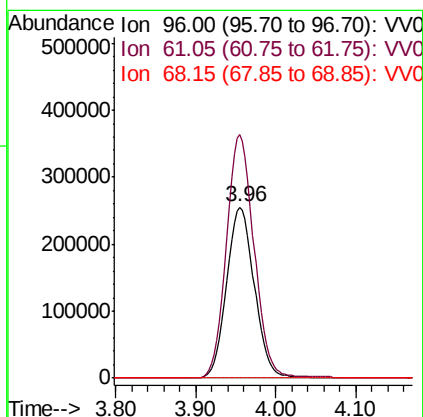
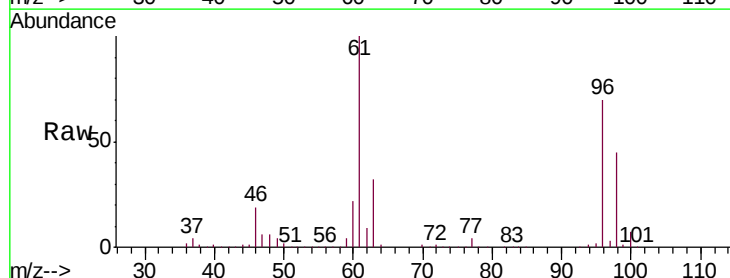
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL2

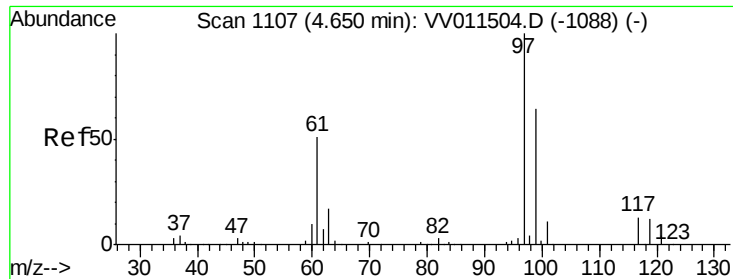
Tgt Ion: 63 Resp: 47801
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.5 41.9
 83 12.1 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 42.916 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011513.D
 Acq: 15 Jun 2019 01:54

Tgt Ion: 96 Resp: 607949
 Ion Ratio Lower Upper
 96 100
 61 142.6 102.2 189.8
 68 0.0 0.0 0.0

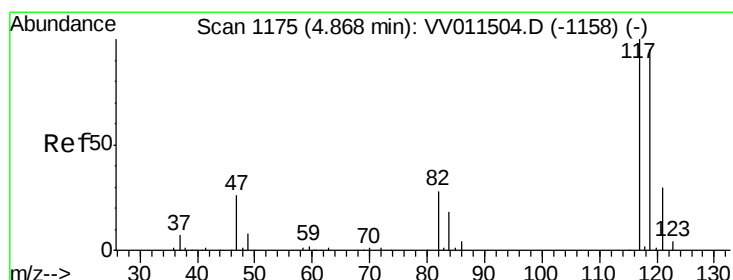
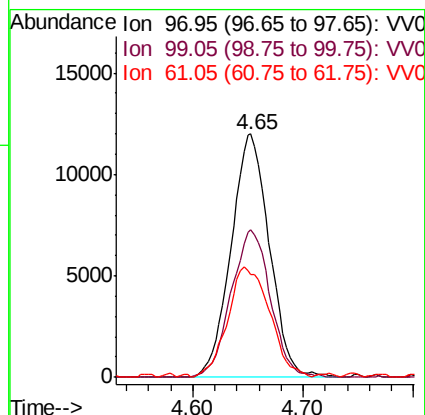
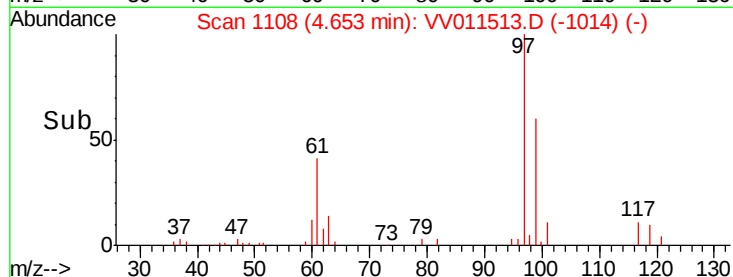
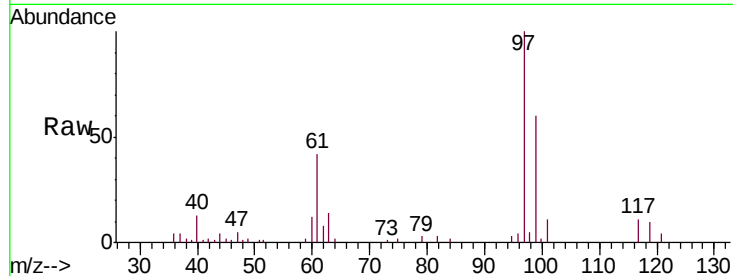




#29
 1,1,1-Trichloroethane
 Concen: 1.450 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011513.D
 Acq: 15 Jun 2019 01:54

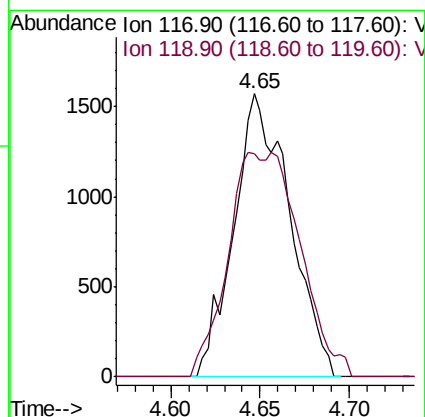
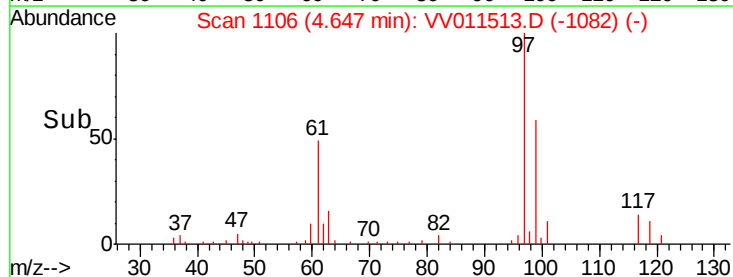
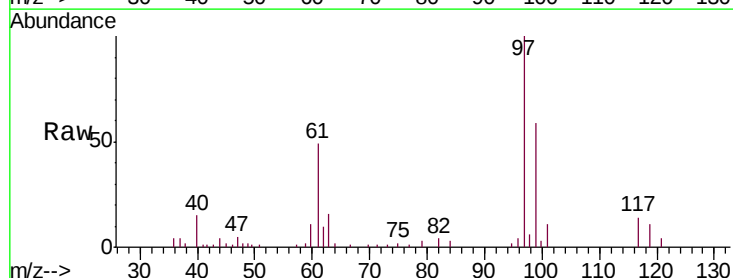
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL2

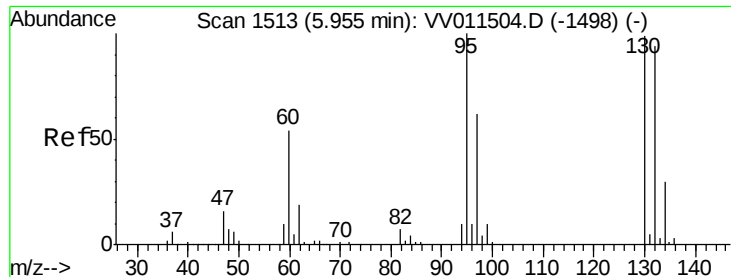
Tgt Ion: 97 Resp: 28837
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.6 77.4
 61 49.9 40.4 60.6



#31
 Carbon tetrachloride
 Concen: 0.213 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.22 min
 Lab File: VV011513.D
 Acq: 15 Jun 2019 01:54

Tgt Ion: 117 Resp: 3435
 Ion Ratio Lower Upper
 117 100
 119 47.5 77.4 116.2#





#34

Trichloroethene

Concen: 36.809 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

BFCL2

Tgt Ion: 95 Resp: 490057

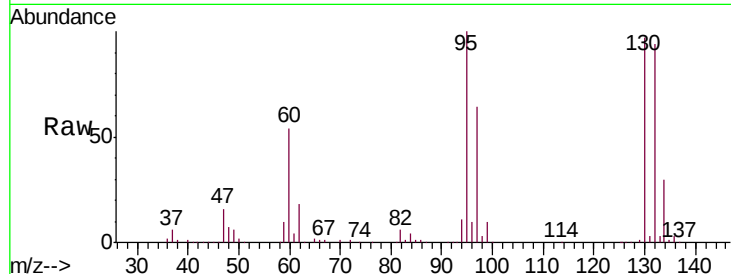
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 94.1 63.5 117.9

130 97.4 68.5 127.3

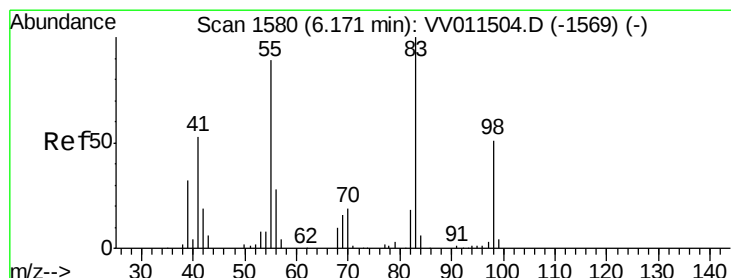
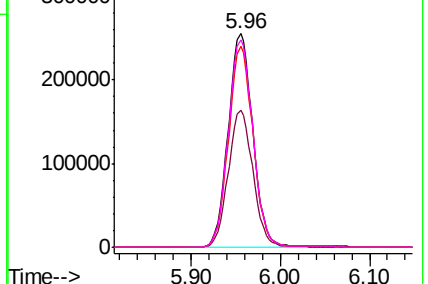
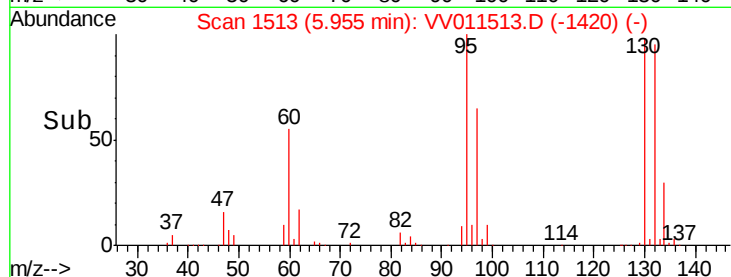


Abundance Ion 95.00 (94.70 to 95.70): VV011513.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011513.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011513.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011513.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.970 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

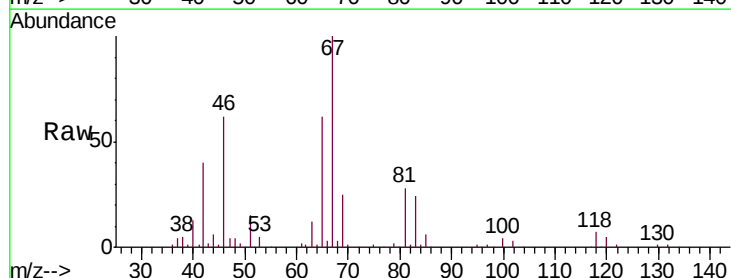
Tgt Ion: 83 Resp: 18410

Ion Ratio Lower Upper

83 100

55 1.2 67.9 101.9#

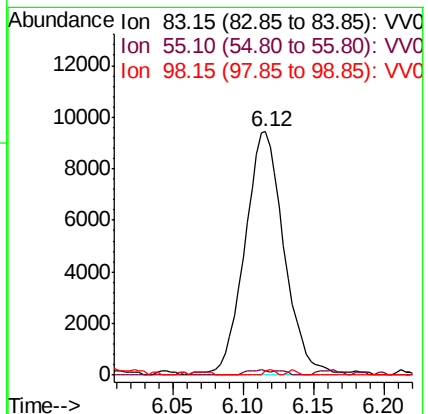
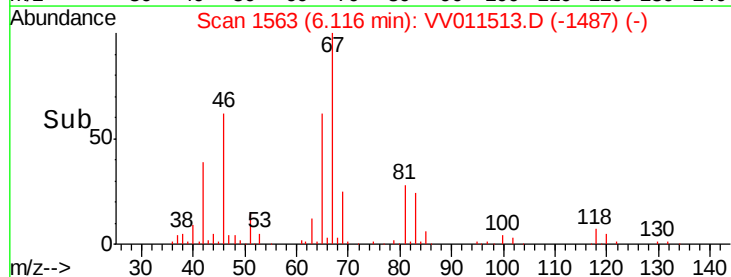
98 0.0 39.6 59.4#

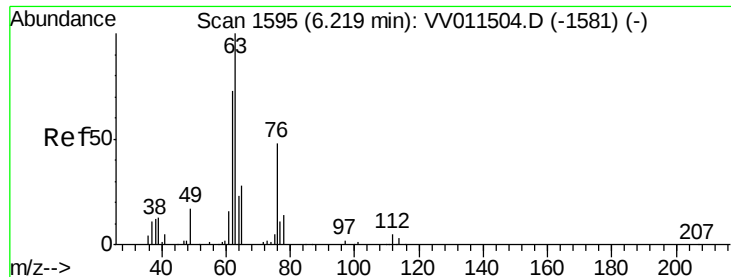


Abundance Ion 83.15 (82.85 to 83.85): VV011513.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011513.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011513.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.676 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampled :

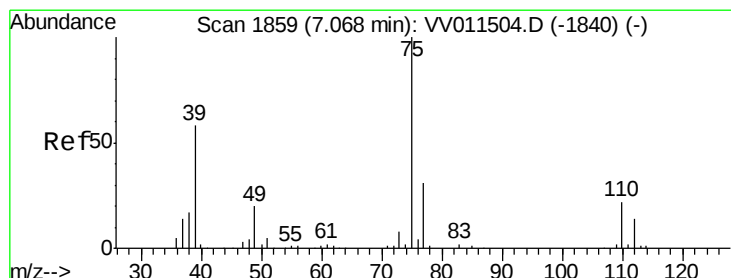
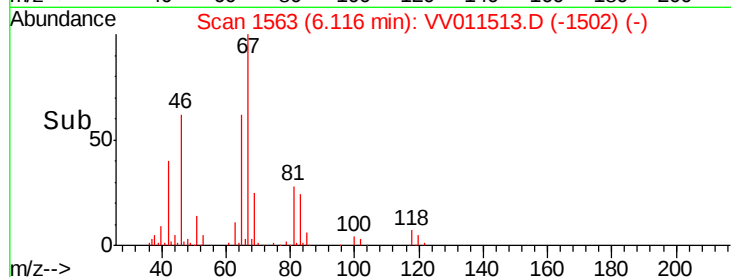
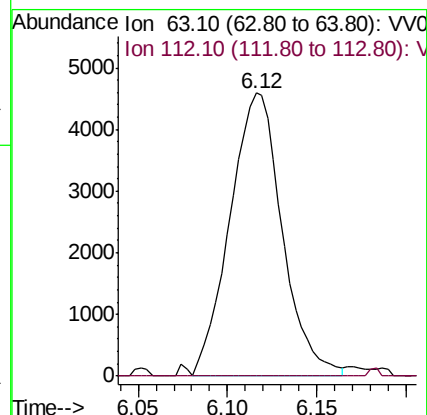
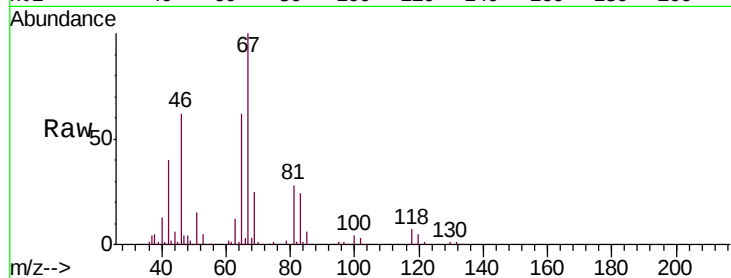
BFCL2

Tgt Ion: 63 Resp: 9390

Ion Ratio Lower Upper

63 100

112 0.5 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV011513.D

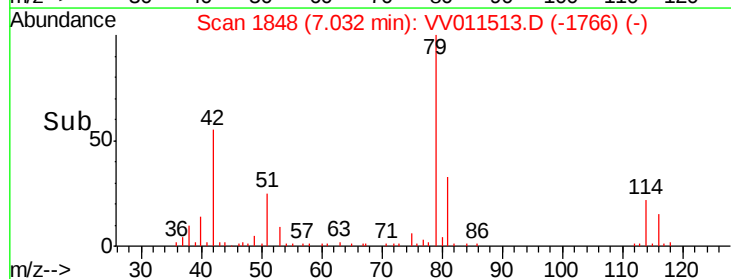
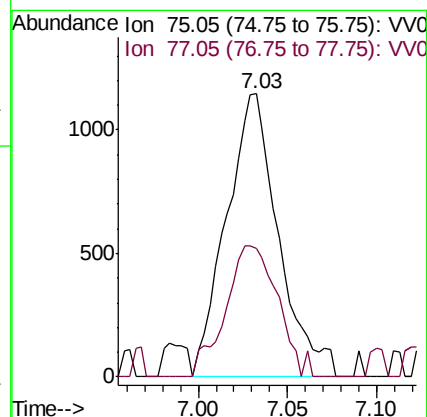
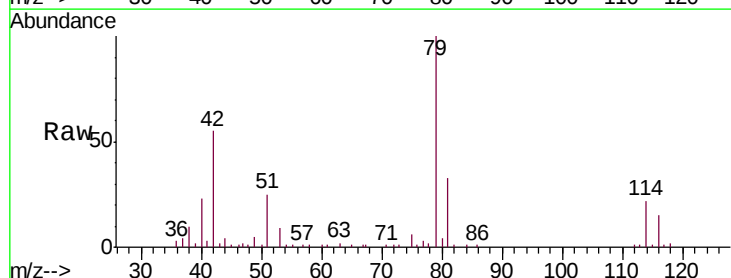
Acq: 15 Jun 2019 01:54

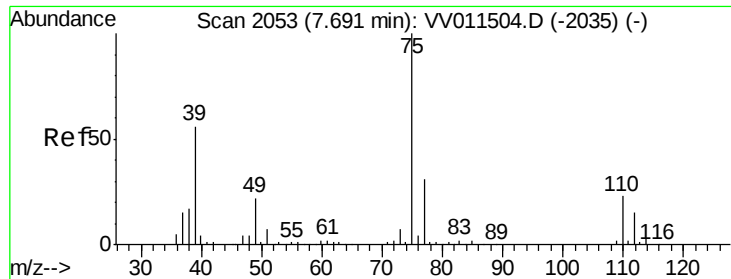
Tgt Ion: 75 Resp: 2328

Ion Ratio Lower Upper

75 100

77 45.3 20.6 38.4#





#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

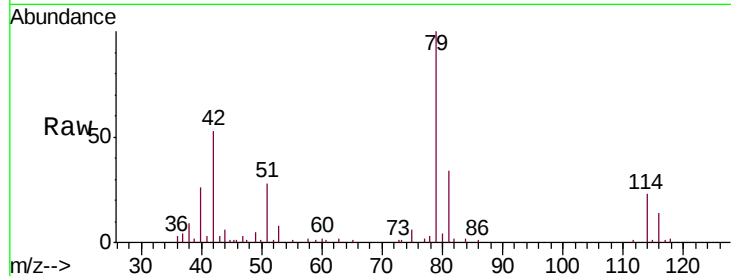
BFCL2

Tgt Ion: 75 Resp: 1383

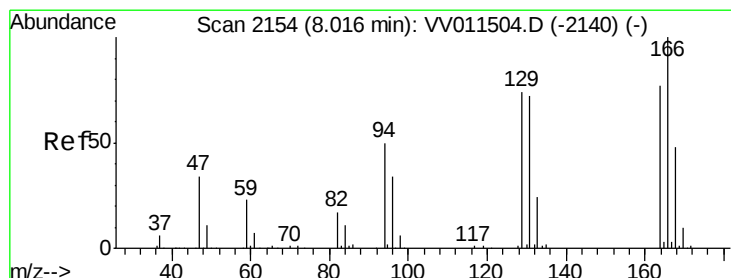
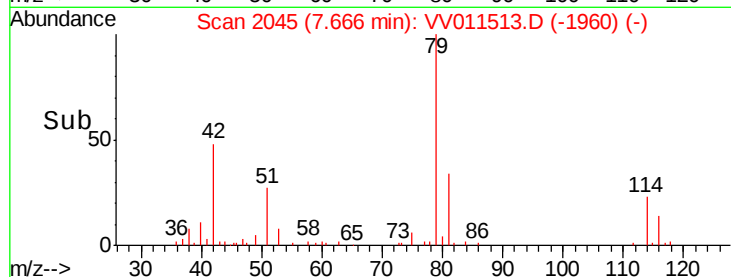
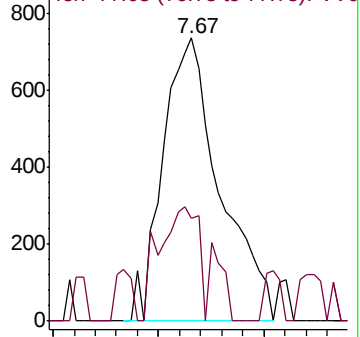
Ion Ratio Lower Upper

75 100

77 36.5 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV011513.D (-1960) (-)



#47

Tetrachloroethene

Concen: 3.857 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011513.D

Acq: 15 Jun 2019 01:54

Tgt Ion: 164 Resp: 36616

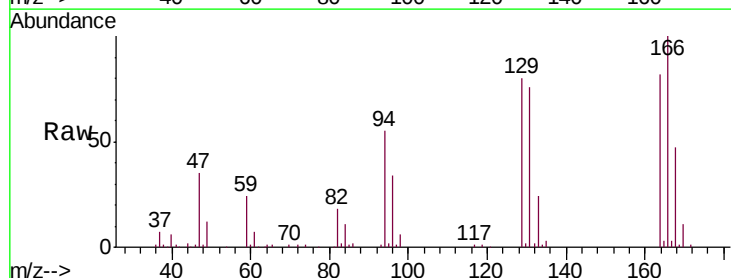
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 92.9 63.2 117.4

166 122.7 87.0 161.6

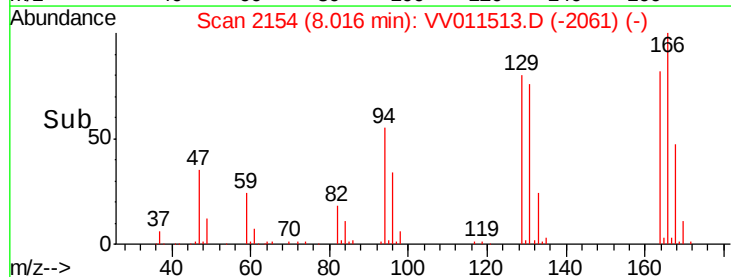
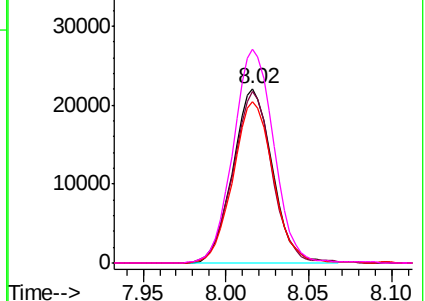


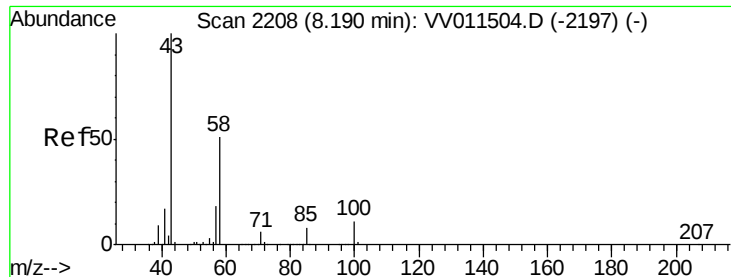
Abundance Ion 163.90 (163.60 to 164.60): VV011513.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011513.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011513.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011513.D (-2061) (-)

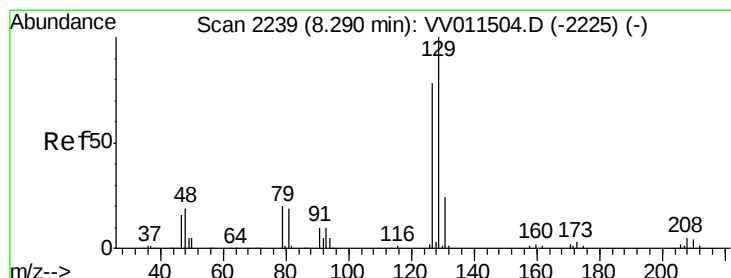
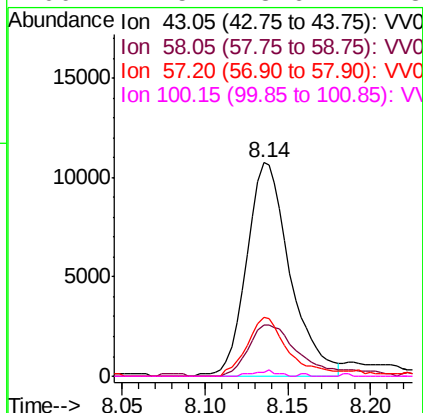
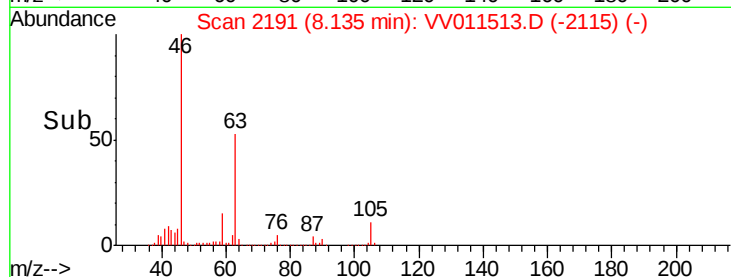
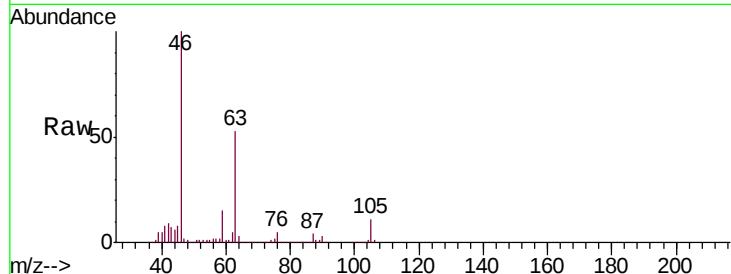




#48
2-Hexanone
Concen: 2.806 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011513.D
Acq: 15 Jun 2019 01:54

Instrument :
MSVOA_V
ClientSampleId :
BFCL2

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.1	40.6	60.8#
57	25.5	14.2	21.4#
100	1.5	8.6	12.8#



#49
Dibromochloromethane
Concen: 3.615 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011513.D
Acq: 15 Jun 2019 01:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.6	97.6#

