

Data File : VV011589.D
Acq On : 18 Jun 2019 21:39
Operator : SY/MD
Sample : K3381-13
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCQ3

Quant Time: Jun 19 02:14:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153000	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145864	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52664	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.55	69	39041	5.33	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.12	63	77544	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.94	46	193104	59.41	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.82%
24) Chloroform-d	4.40	84	109253	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	65470	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.09	84	214758	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.11	67	70146	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	185383	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.66	79	20722	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.13	63	148843	56.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53569	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	65826	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2290	0.155 ug/L	99
8) Chloroethane	1.57	64	914	0.129 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1024	0.111 ug/L #	41
12) 1,1-Dichloroethene	2.12	96	1477	0.155 ug/L #	1
13) Acetone	2.19	43	6128	2.798 ug/L	96
19) 1,1-Dichloroethane	3.22	63	3796	0.171 ug/L #	89
22) cis-1,2-Dichloroethene	3.96	96	4179	0.343 ug/L	78
25) Chloroform	4.42	83	2738	0.123 ug/L	88
29) 1,1,1-Trichloroethane	4.65	97	4680	0.258 ug/L	96
34) Trichloroethene	5.96	95	7650	0.630 ug/L	98
35) Methylcyclohexane	6.11	83	16952	0.979 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8526	0.672 ug/L #	89
44) trans-1,3-Dichloropropene	7.66	75	1251	0.102 ug/L	83
47) Tetrachloroethene	8.02	164	1531	0.177 ug/L	90
48) 2-Hexanone	8.13	43	19951	3.139 ug/L #	71
49) Dibromochloromethane	8.01	129	1387	0.163 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

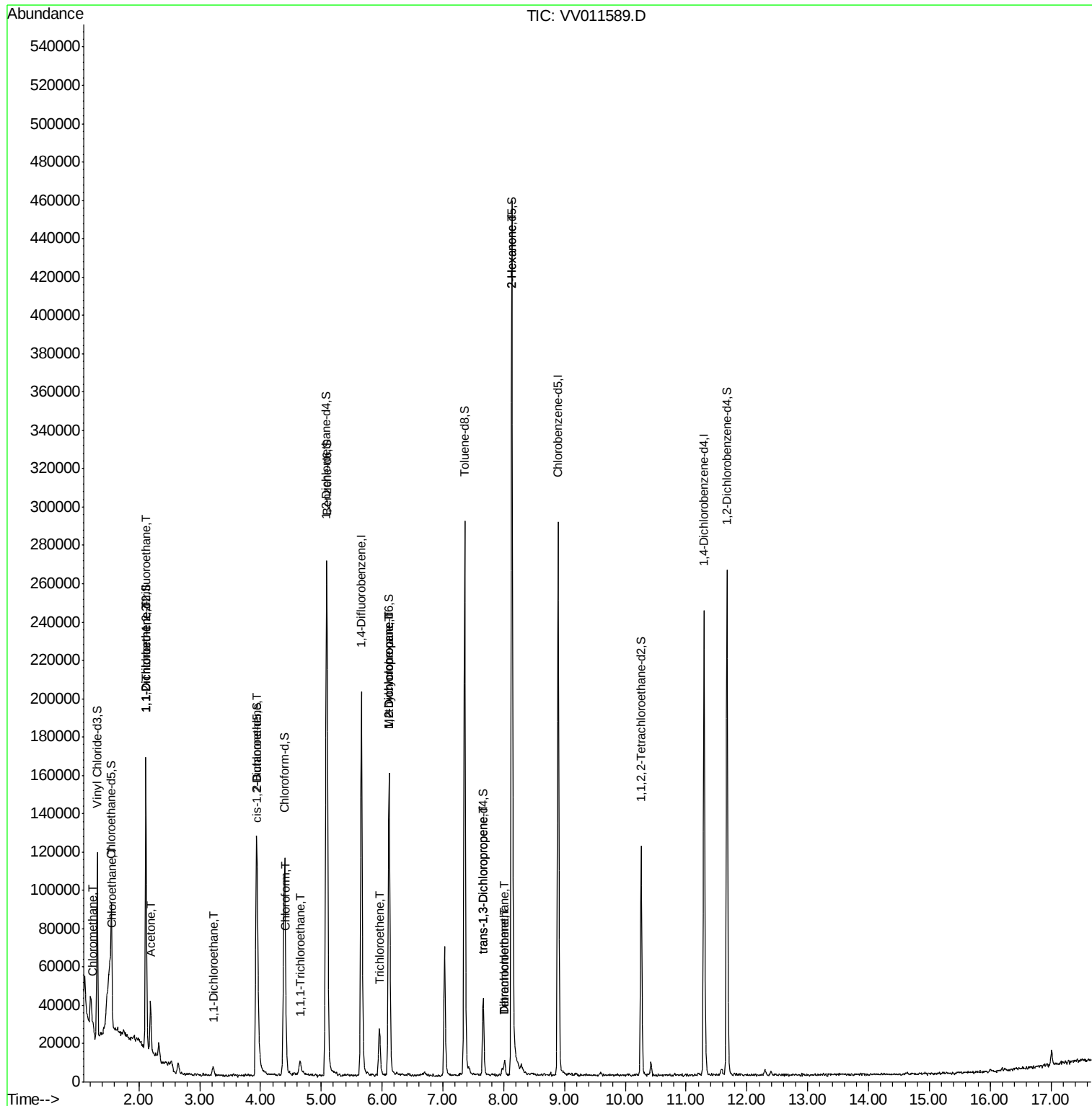
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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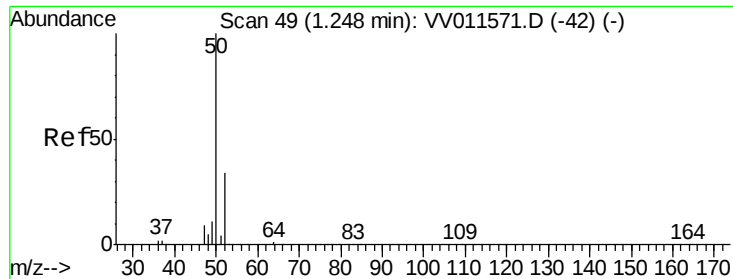
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.155 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampleId :

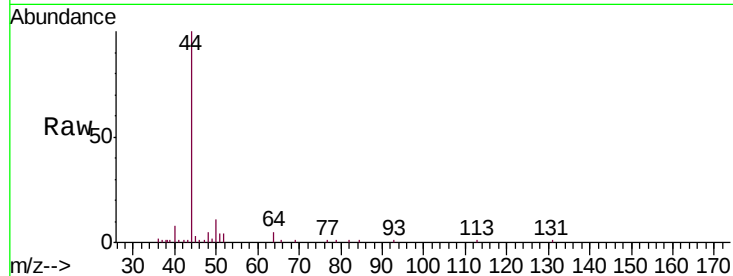
BFCQ3

Tgt Ion: 50 Resp: 2290

Ion Ratio Lower Upper

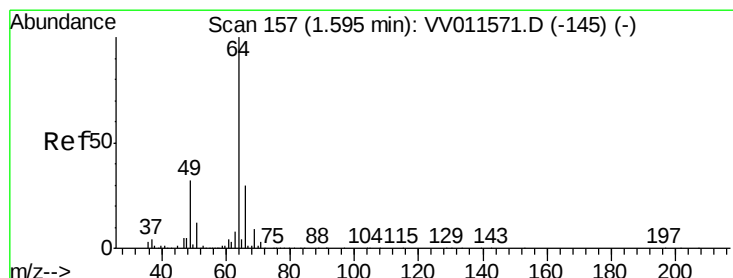
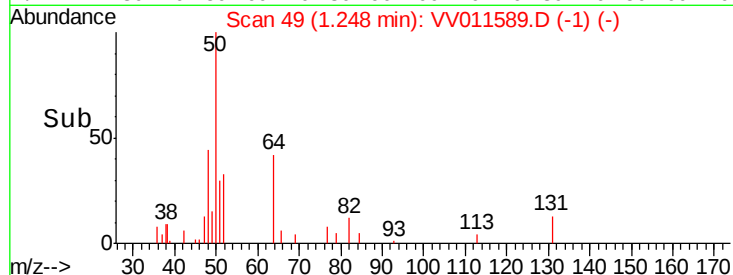
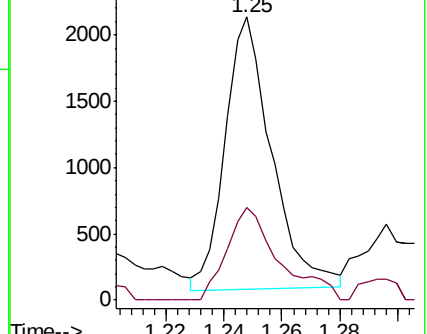
50 100

52 32.8 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.129 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.03 min

Lab File: VV011589.D

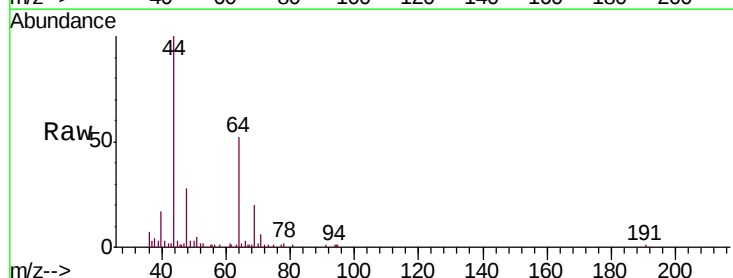
Acq: 18 Jun 2019 21:39

Tgt Ion: 64 Resp: 914

Ion Ratio Lower Upper

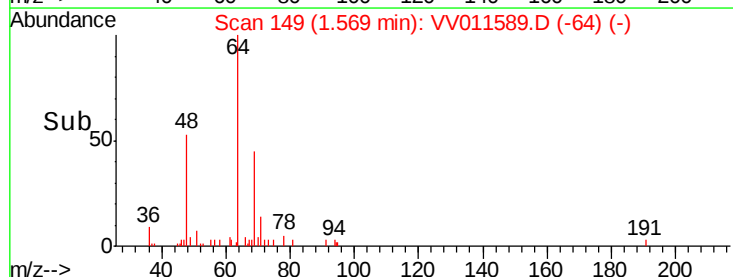
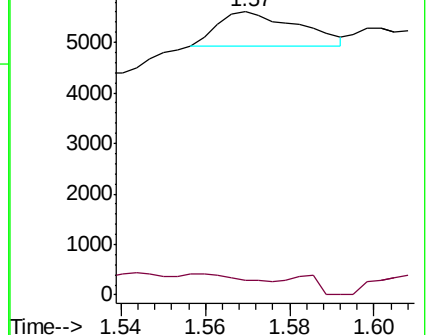
64 100

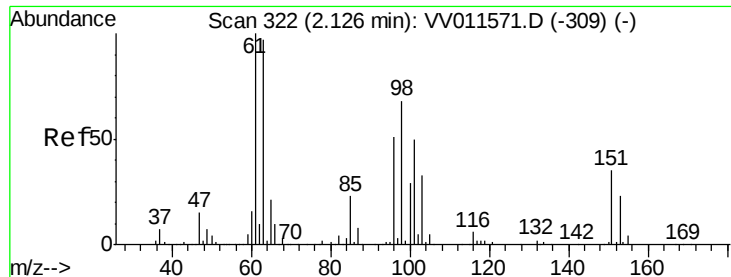
66 5.3 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.111 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampleId :

BFCQ3

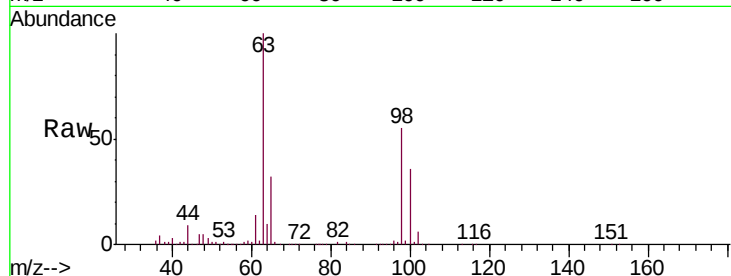
Tgt Ion: 101 Resp: 1024

Ion Ratio Lower Upper

101 100

85 18.0 37.3 55.9#

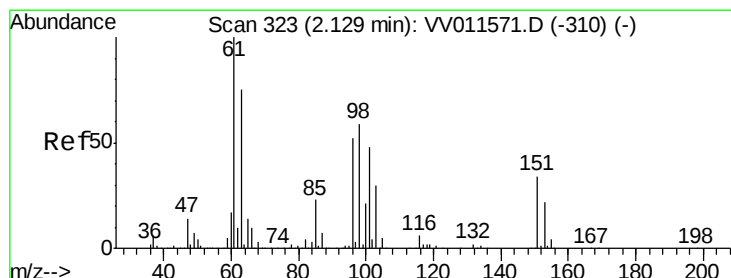
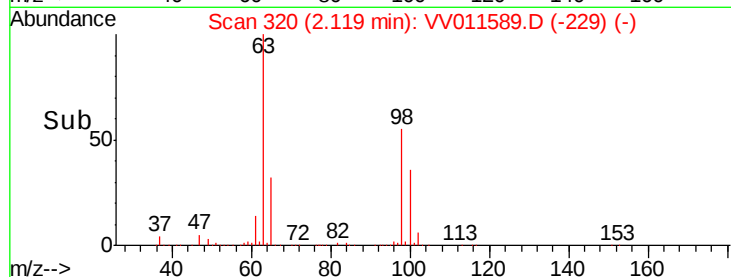
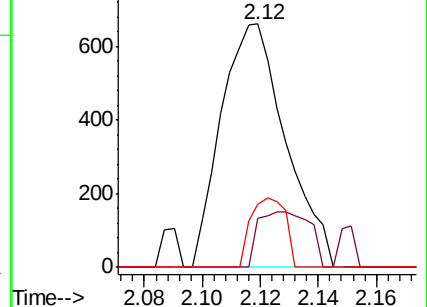
151 15.5 59.4 89.2#



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: 0.155 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

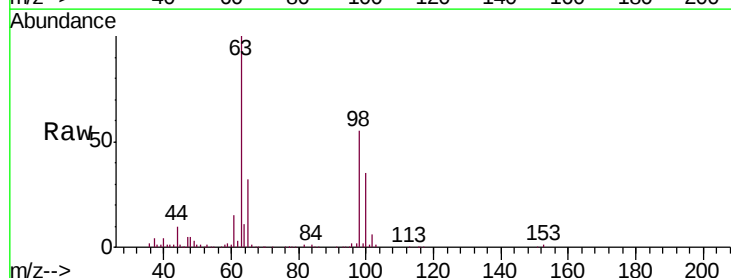
Tgt Ion: 96 Resp: 1477

Ion Ratio Lower Upper

96 100

61 780.0 135.9 252.5#

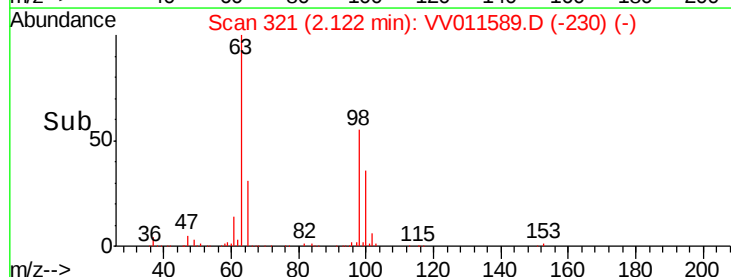
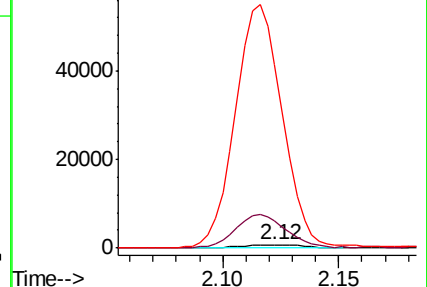
63 5343.0 86.2 160.2#

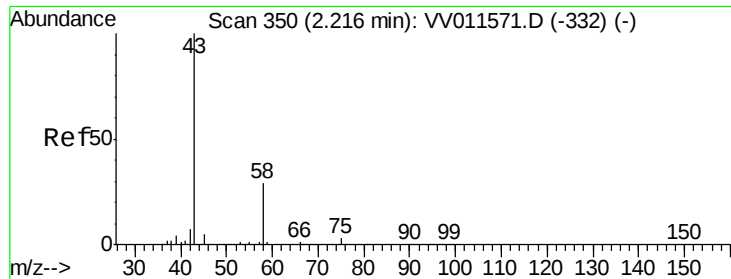


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.798 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampleId :

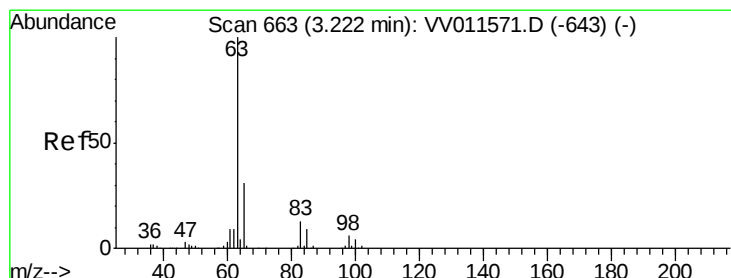
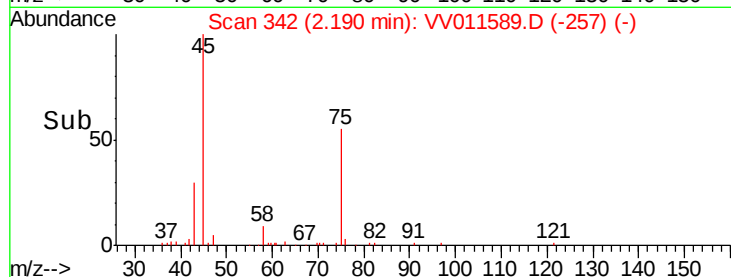
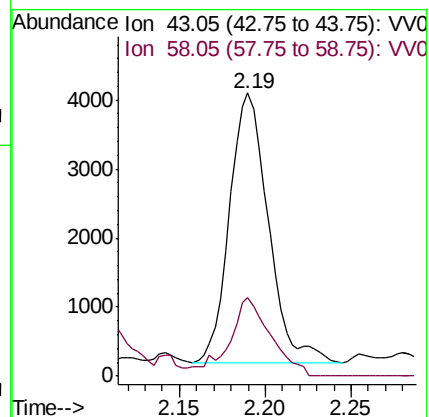
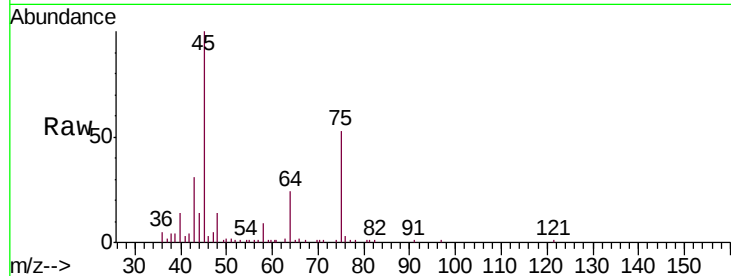
BFCQ3

Tgt Ion: 43 Resp: 6128

Ion Ratio Lower Upper

43 100

58 30.9 0.0 57.8



#19

1,1-Dichloroethane

Concen: 0.171 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

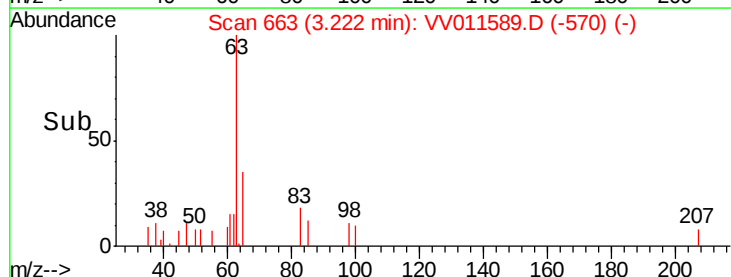
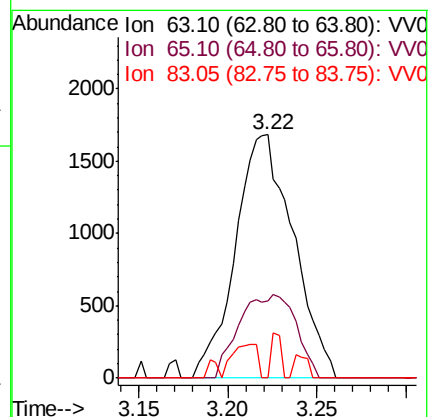
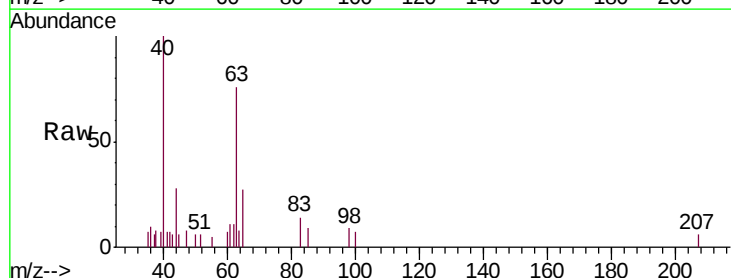
Tgt Ion: 63 Resp: 3796

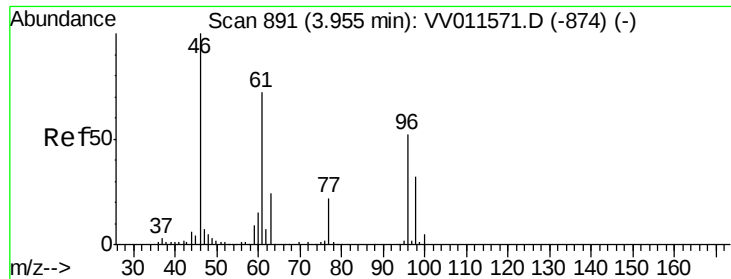
Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.9

83 0.0 10.1 18.9#



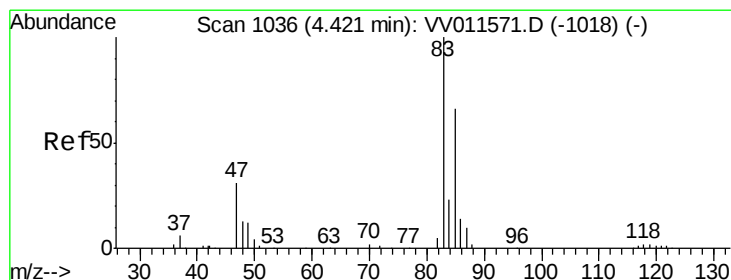
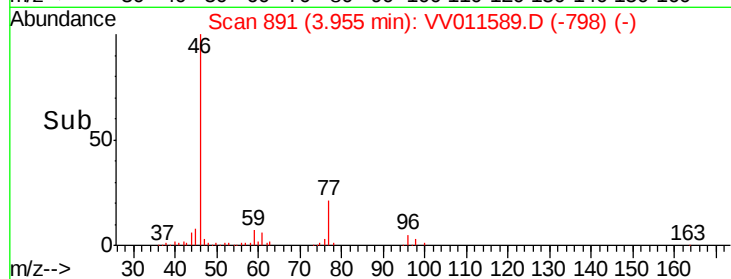
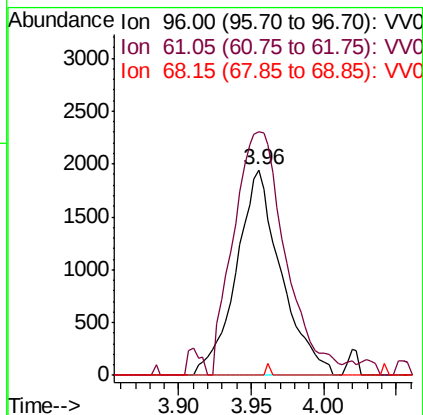
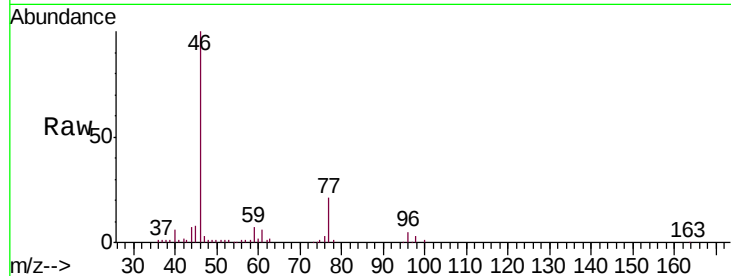


#22

cis-1,2-Dichloroethene
 Concen: 0.343 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011589.D
 Acq: 18 Jun 2019 21:39

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ3

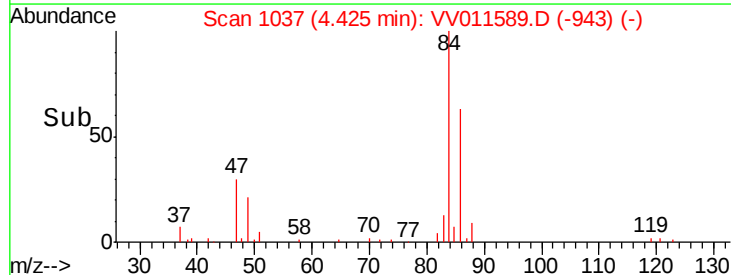
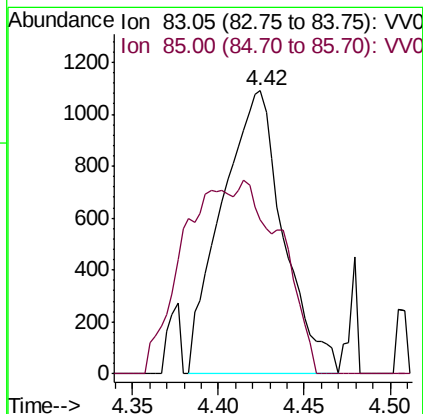
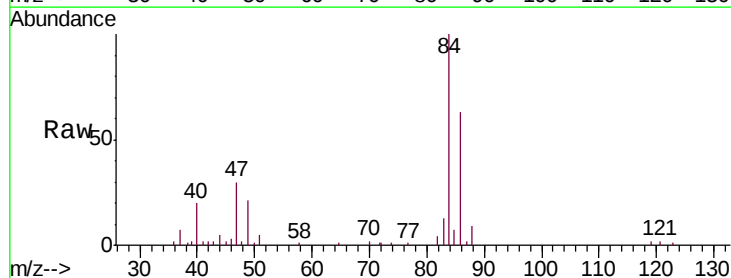
Tgt Ion: 96 Resp: 4179
 Ion Ratio Lower Upper
 96 100
 61 118.5 102.2 189.8
 68 0.0 0.0 0.0

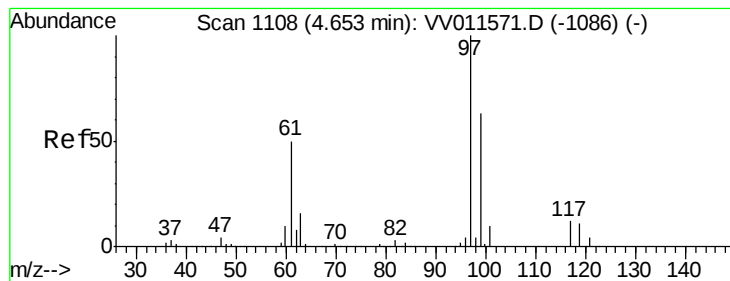


#25

Chloroform
 Concen: 0.123 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV011589.D
 Acq: 18 Jun 2019 21:39

Tgt Ion: 83 Resp: 2738
 Ion Ratio Lower Upper
 83 100
 85 54.5 44.6 82.8





#29

1,1,1-Trichloroethane

Concen: 0.258 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampleId :

BFCQ3

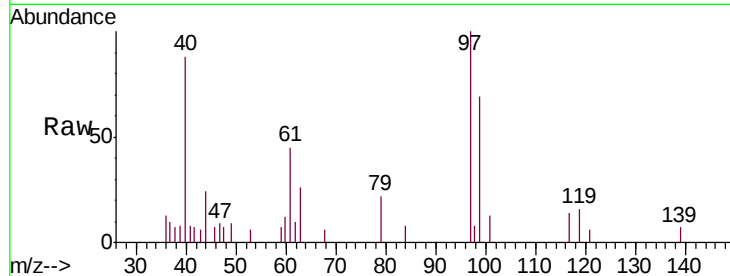
Tgt Ion: 97 Resp: 4680

Ion Ratio Lower Upper

97 100

99 67.2 51.6 77.4

61 53.6 40.4 60.6

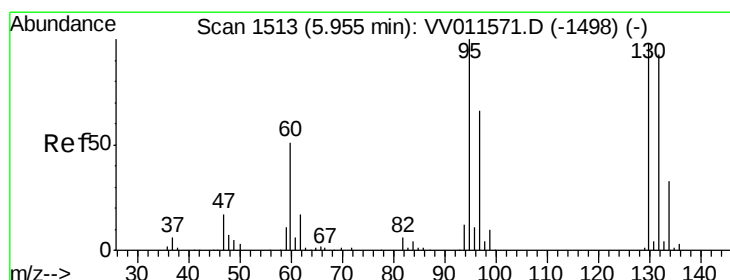
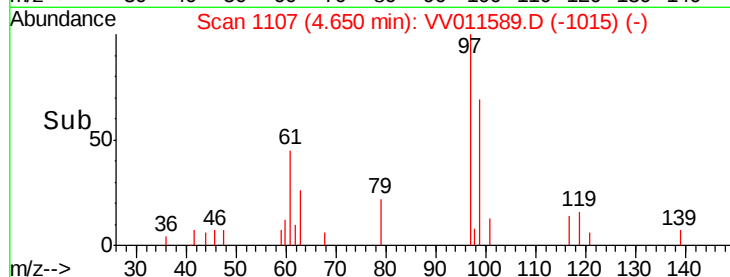


Abundance Ion 96.95 (96.65 to 97.65): VV011571.D (-1086) (-)

Ion 99.05 (98.75 to 99.75): VV011571.D (-1086) (-)

Ion 61.05 (60.75 to 61.75): VV011571.D (-1086) (-)

Time-->



#34

Trichloroethene

Concen: 0.630 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Tgt Ion: 95 Resp: 7650

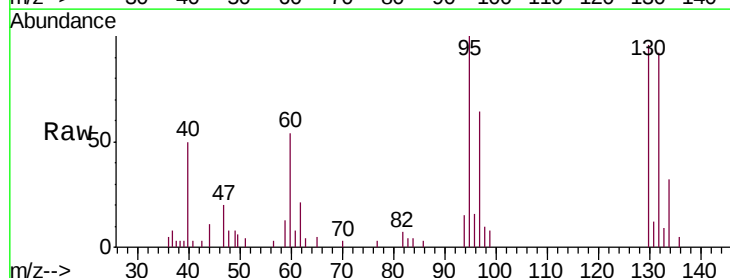
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 92.5 63.5 117.9

130 95.9 68.5 127.3



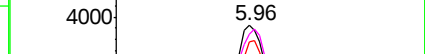
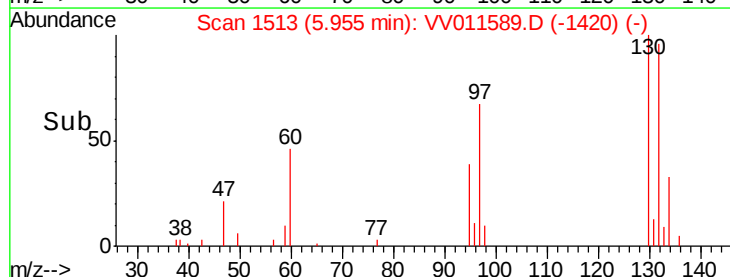
Abundance Ion 95.00 (94.70 to 95.70): VV011571.D (-1498) (-)

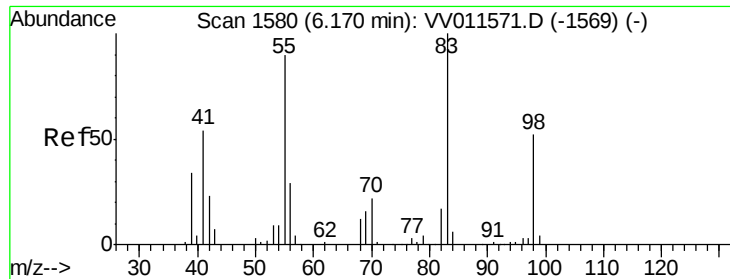
Ion 96.95 (96.65 to 97.65): VV011571.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV011571.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV011571.D (-1498) (-)

Time-->





#35

Methylcyclohexane

Concen: 0.979 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampled :

BFCQ3

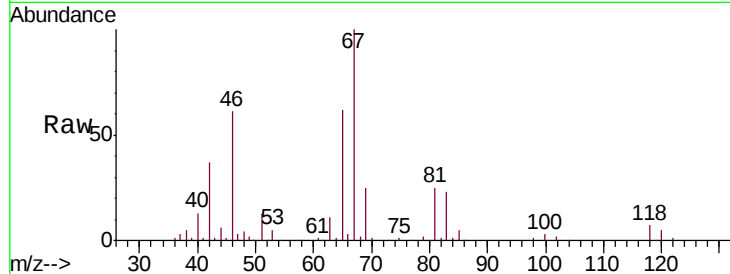
Tgt Ion: 83 Resp: 16952

Ion Ratio Lower Upper

83 100

55 0.1 67.9 101.9#

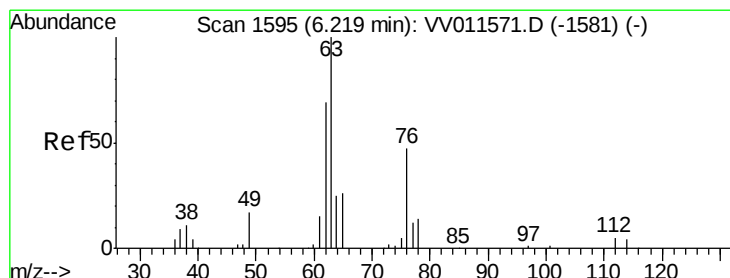
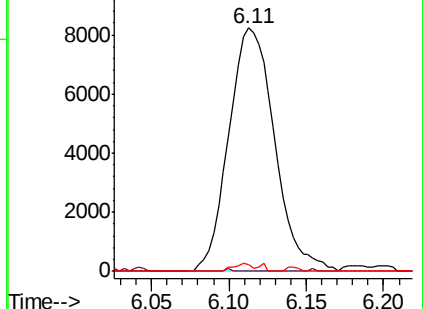
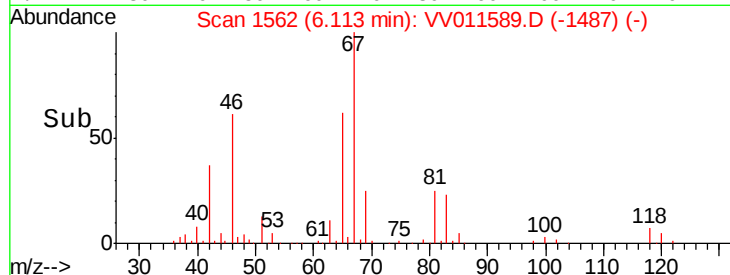
98 1.7 39.6 59.4#



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: 0.672 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011589.D

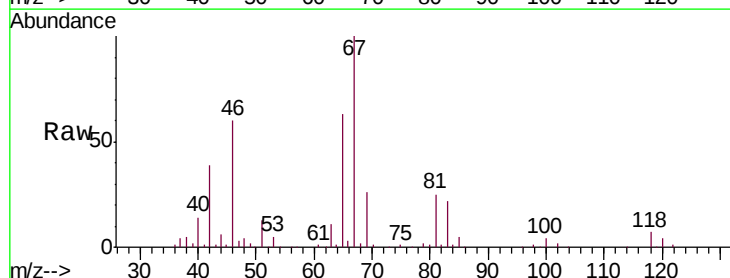
Acq: 18 Jun 2019 21:39

Tgt Ion: 63 Resp: 8526

Ion Ratio Lower Upper

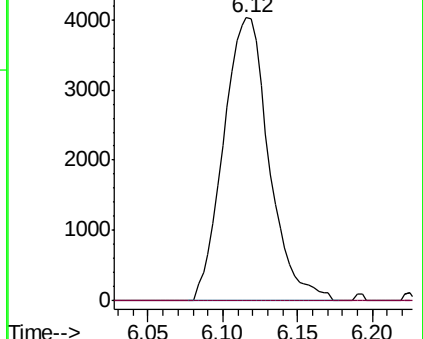
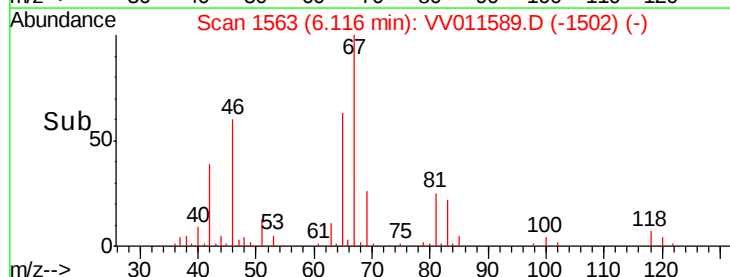
63 100

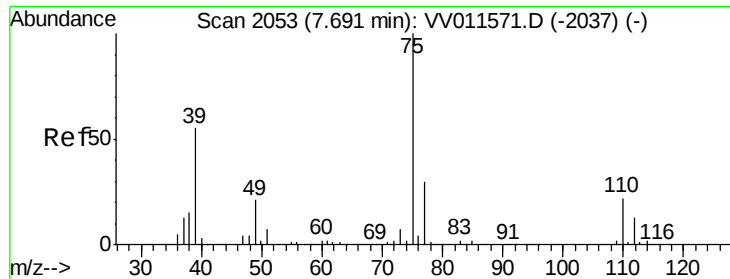
112 1.1 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Instrument :

MSVOA_V

ClientSampleId :

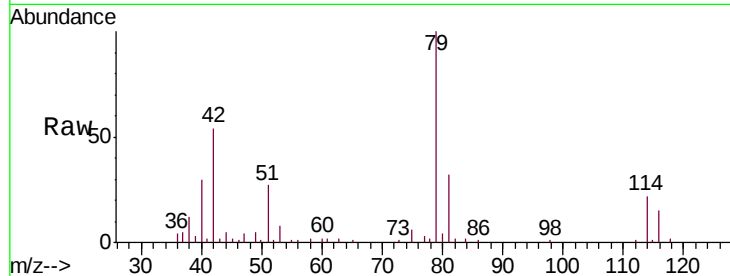
BFCQ3

Tgt Ion: 75 Resp: 1251

Ion Ratio Lower Upper

75 100

77 41.9 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

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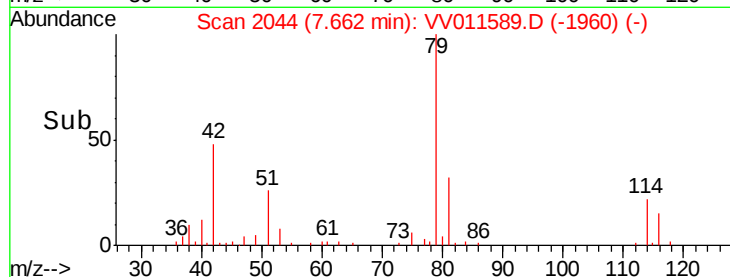
7.66

7.66

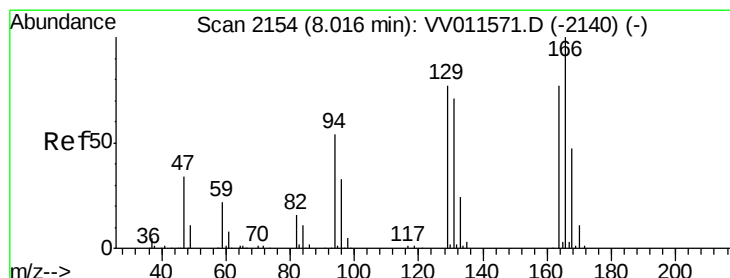
7.66

7.66

7.66



Time-->



#47

Tetrachloroethene

Concen: 0.177 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011589.D

Acq: 18 Jun 2019 21:39

Tgt Ion: 164 Resp: 1531

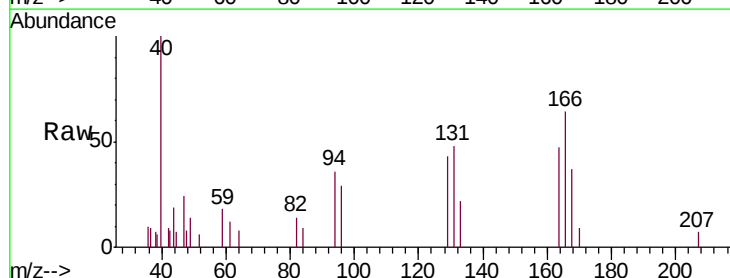
Ion Ratio Lower Upper

164 100

129 92.0 68.8 127.8

131 101.6 63.2 117.4

166 136.1 87.0 161.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

8.02

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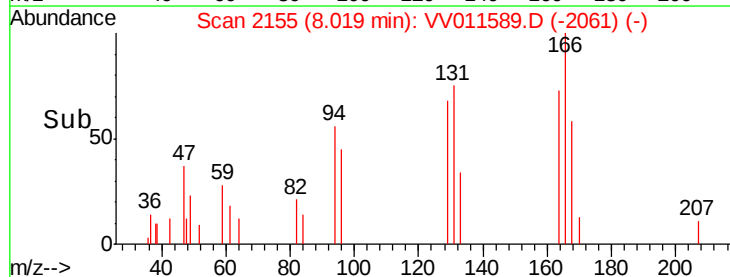
8.02

8.02

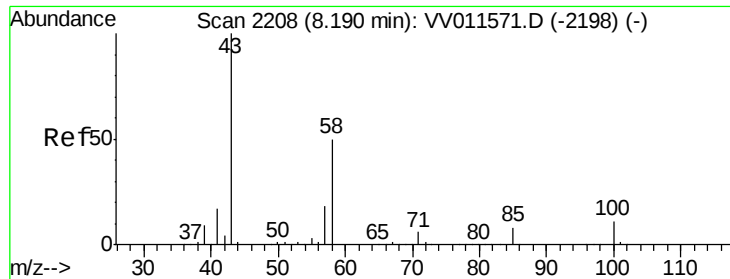
8.02

8.02

8.02



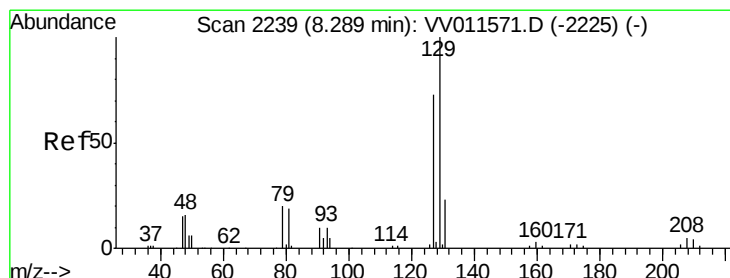
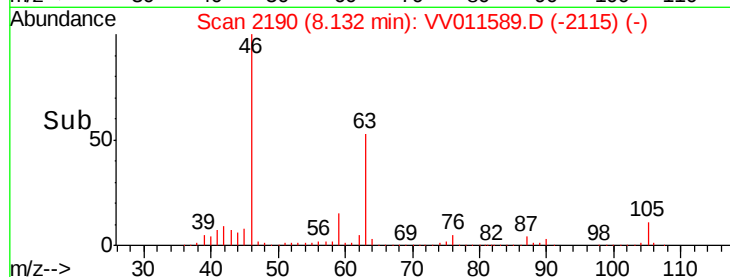
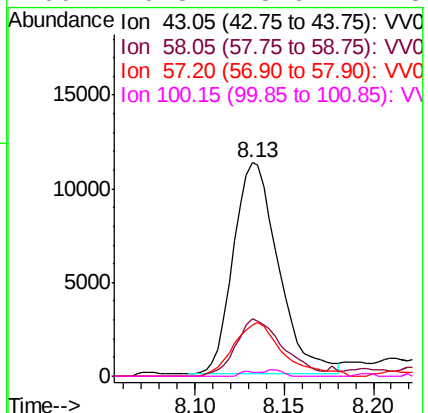
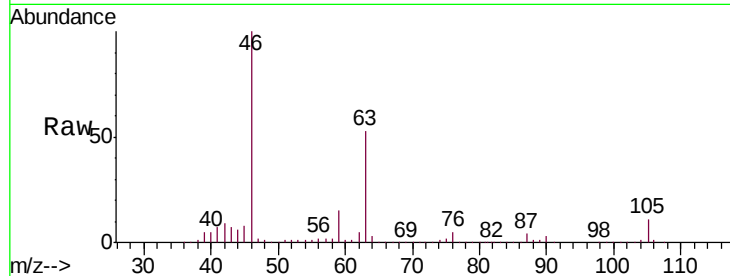
Time-->



#48
2-Hexanone
Concen: 3.139 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.06 min
Lab File: VV011589.D
Acq: 18 Jun 2019 21:39

Instrument :
MSVOA_V
ClientSampleId :
BFCQ3

Tgt Ion:	43	Resp:	19951
Ion	Ratio	Lower	Upper
43	100		
58	28.2	40.6	60.8#
57	27.4	14.2	21.4#
100	0.8	8.6	12.8#



#49
Dibromochloromethane
Concen: 0.163 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.28 min
Lab File: VV011589.D
Acq: 18 Jun 2019 21:39

Tgt Ion:	129	Resp:	1387
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.6	97.6#

