

Data File : VV012606.D
Acq On : 06 Sep 2019 19:08
Operator : SY/MD
Sample : K4703-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD88

Quant Time: Sep 07 01:09:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137662	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143329	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	49975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65301	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.58	69	62495	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	112368	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.97	46	160027	63.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.46%
24) Chloroform-d	4.40	84	105736	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.08	65	60788	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.10	84	187973	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.12	67	64236	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.36	98	147993	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.67	79	19108	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.14	63	99400	63.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46436	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	48556	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.14	96	10857	0.662 ug/L #	1
13) Acetone	2.24	43	5720	1.878 ug/L	59
17) Methyl tert-butyl Ether	2.81	73	15097	0.569 ug/L #	89
19) 1,1-Dichloroethane	3.23	63	4930	0.197 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	65513	5.085 ug/L	93
25) Chloroform	4.43	83	5126	0.189 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	9515	0.452 ug/L	96
34) Trichloroethene	5.96	95	371796	25.721 ug/L	97
35) Methylcyclohexane	6.12	83	15142	0.702 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	8046	0.591 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1820	0.102 ug/L #	33
45) 1,1,2-Trichloroethane	8.02	97	23600	2.561 ug/L #	1
47) Tetrachloroethene	8.02	164	2412443	228.945 ug/L	96
48) 2-Hexanone	8.19	43	12822	2.241 ug/L #	71
49) Dibromochloromethane	8.02	129	2292936	219.423 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

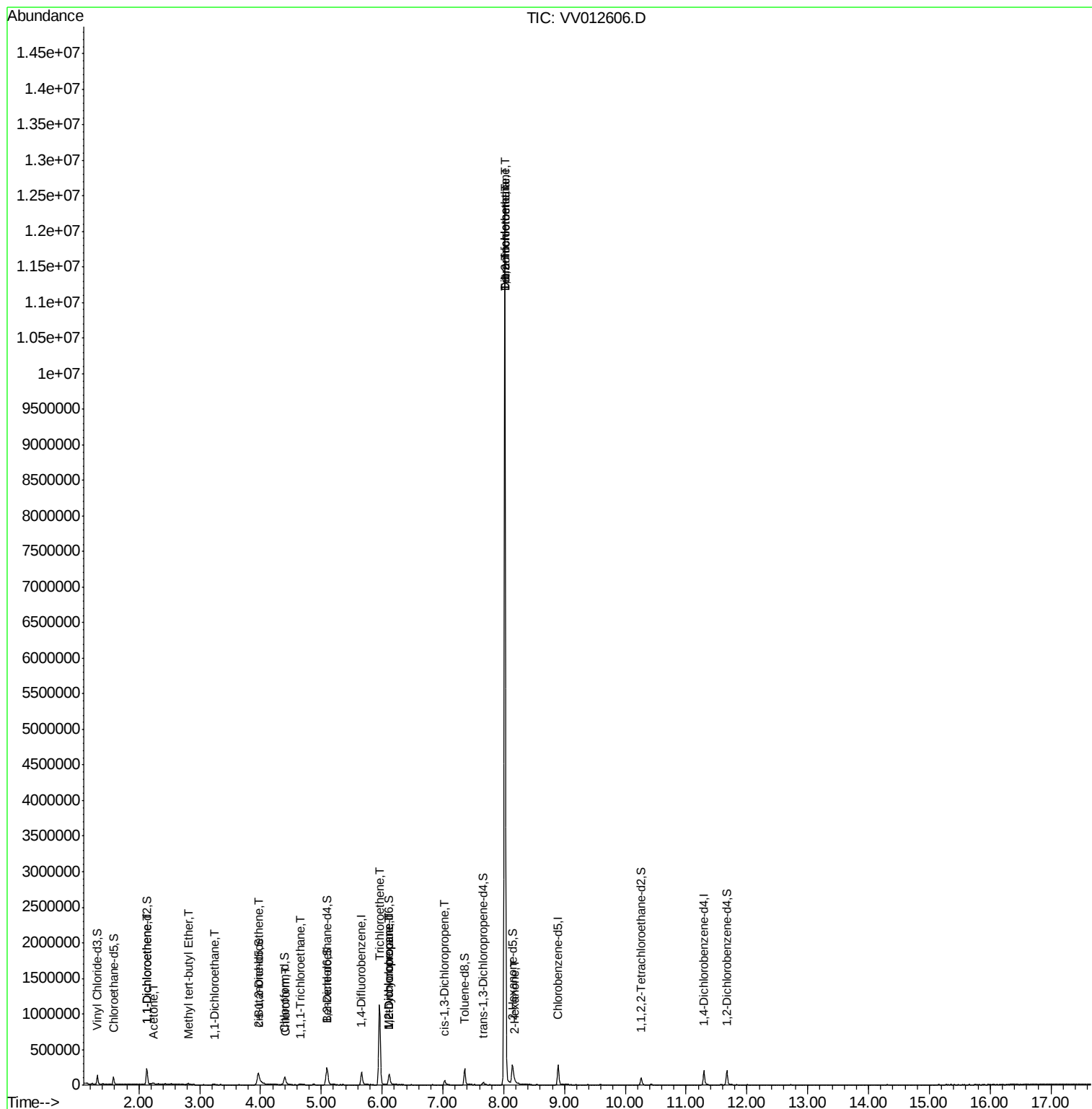
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

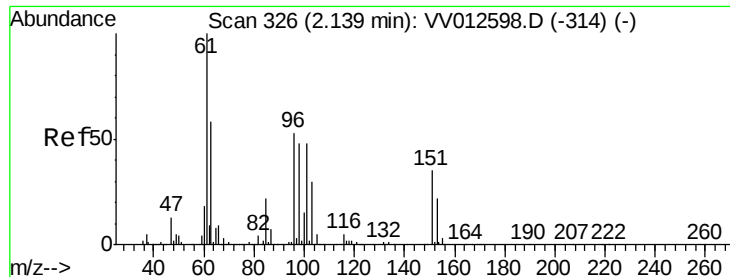
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.662 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampled :

BFD88

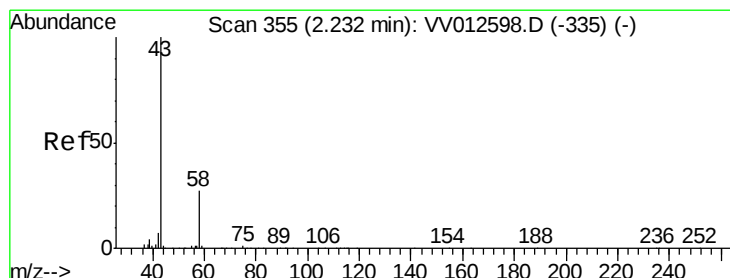
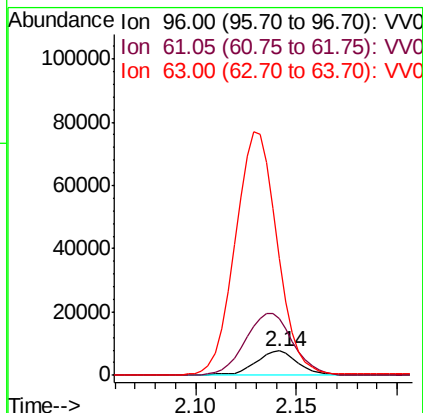
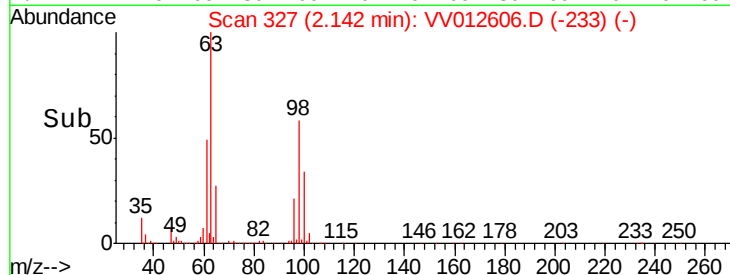
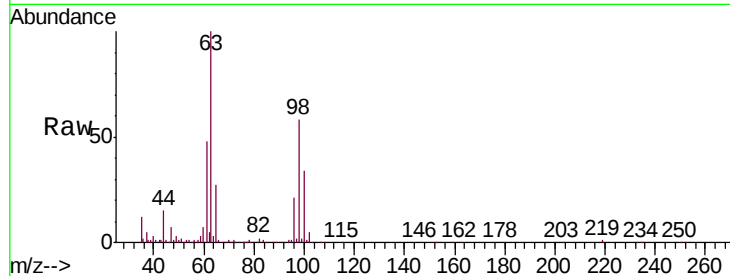
Tgt Ion: 96 Resp: 10857

Ion Ratio Lower Upper

96 100

61 232.6 132.7 246.5

63 481.1 84.1 156.1#



#13

Acetone

Concen: 1.878 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.01 min

Lab File: VV012606.D

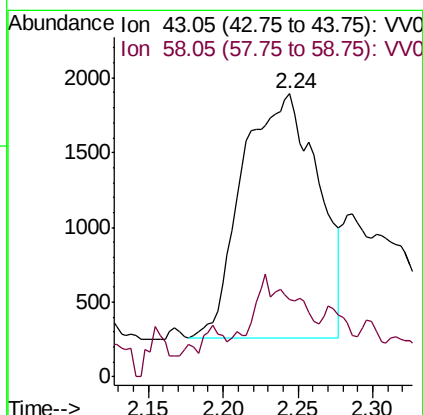
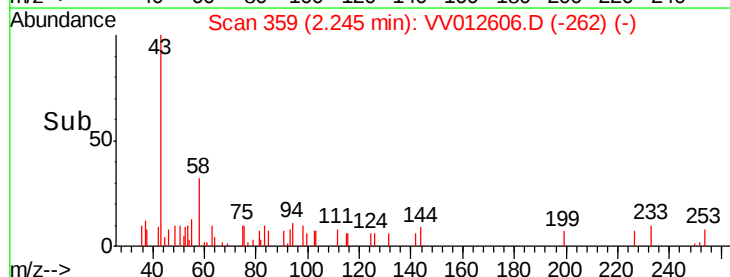
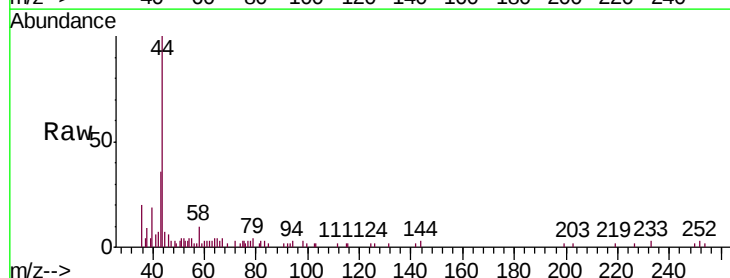
Acq: 06 Sep 2019 19:08

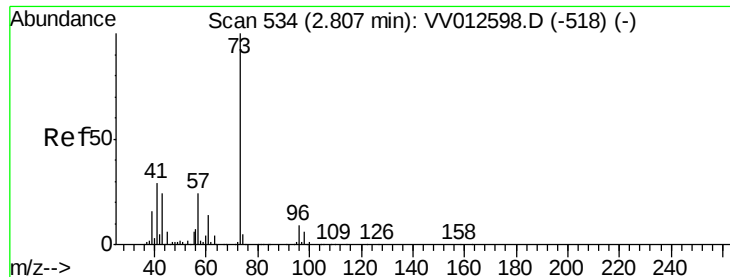
Tgt Ion: 43 Resp: 5720

Ion Ratio Lower Upper

43 100

58 6.9 0.0 57.0





#17

Methyl tert-butyl Ether

Concen: 0.569 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

BFD88

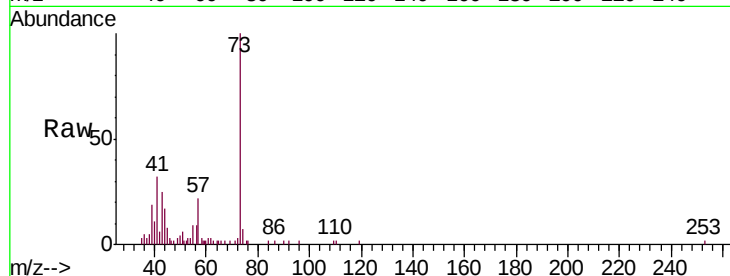
Tgt Ion: 73 Resp: 15097

Ion Ratio Lower Upper

73 100

43 30.0 18.9 28.3#

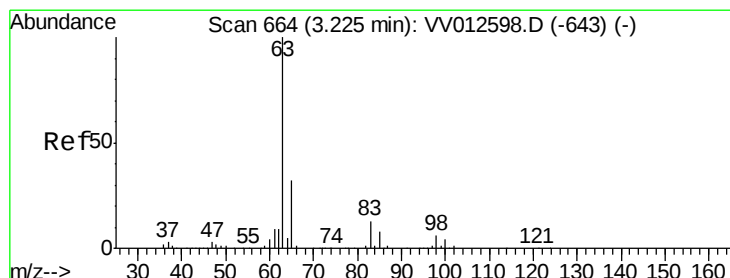
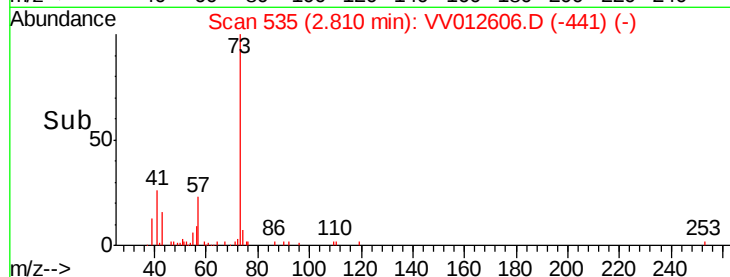
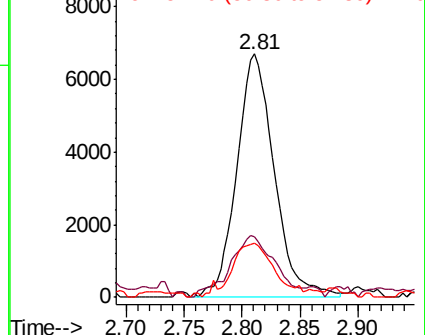
57 19.0 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#19

1,1-Dichloroethane

Concen: 0.197 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

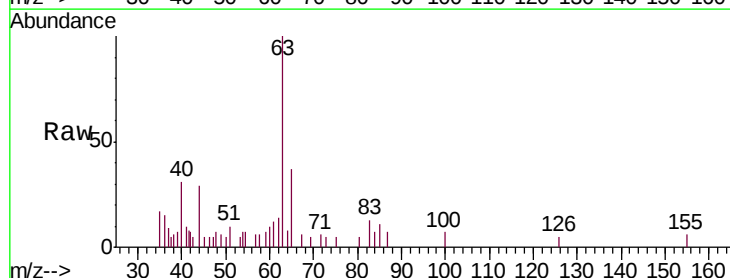
Tgt Ion: 63 Resp: 4930

Ion Ratio Lower Upper

63 100

65 37.0 20.9 38.9

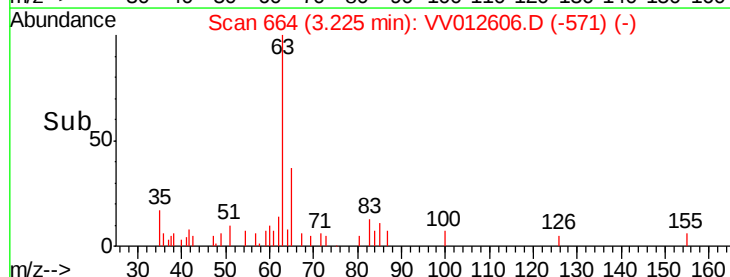
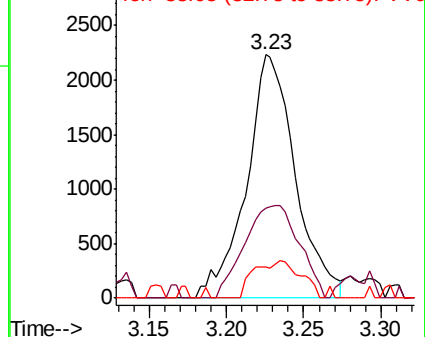
83 12.7 8.8 16.3

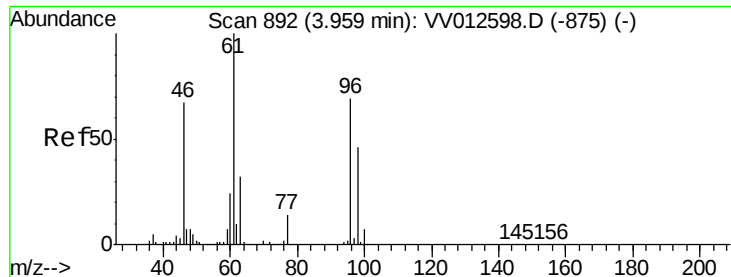


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

BFD88

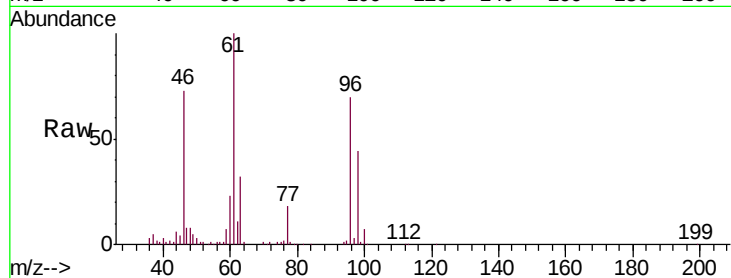
Tgt Ion: 96 Resp: 65513

Ion Ratio Lower Upper

96 100

61 142.6 93.9 174.5

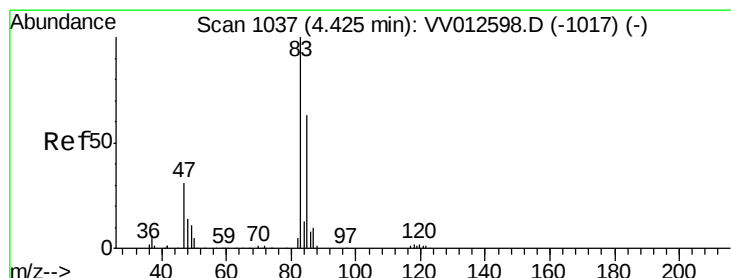
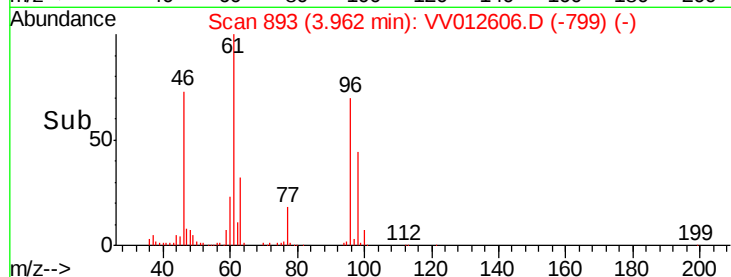
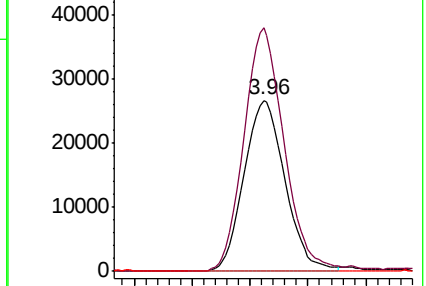
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012598.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VV012598.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VV012598.D (-875) (-)



#25

Chloroform

Concen: 0.189 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012606.D

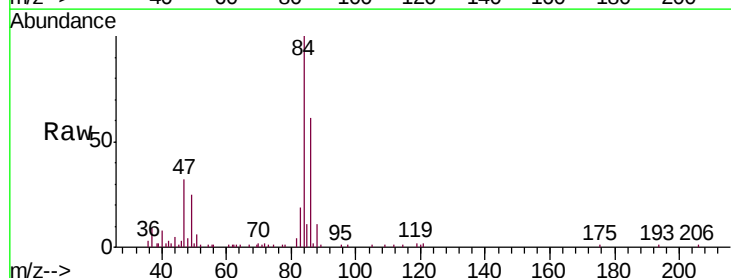
Acq: 06 Sep 2019 19:08

Tgt Ion: 83 Resp: 5126

Ion Ratio Lower Upper

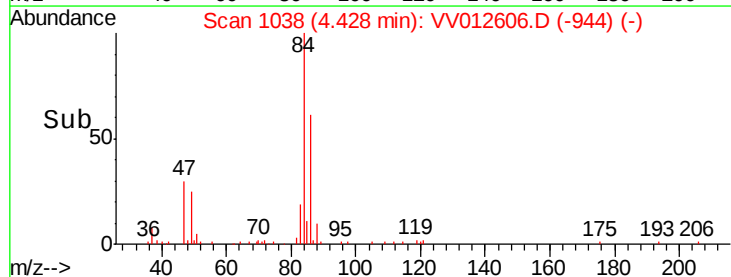
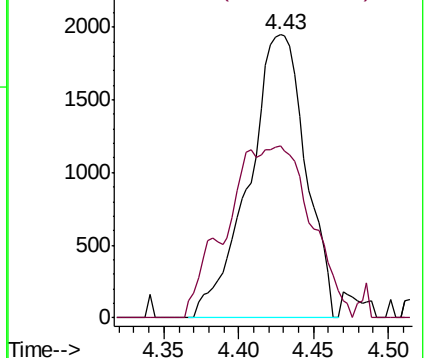
83 100

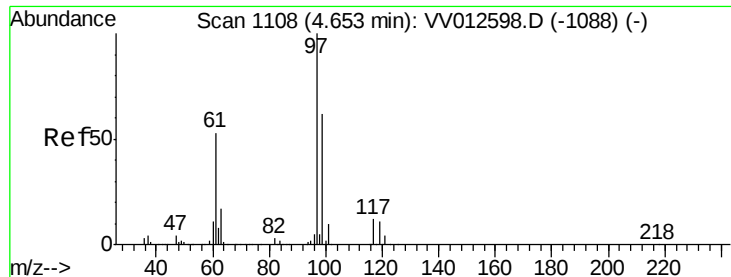
85 60.6 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012598.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012598.D (-1017) (-)

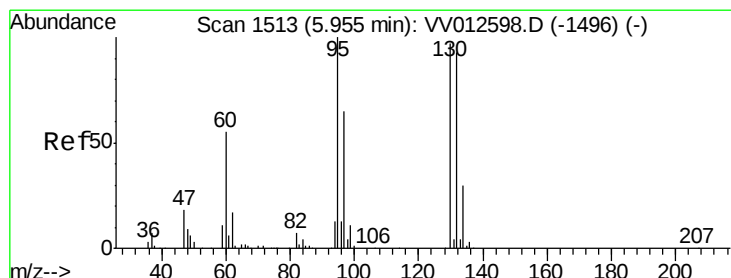
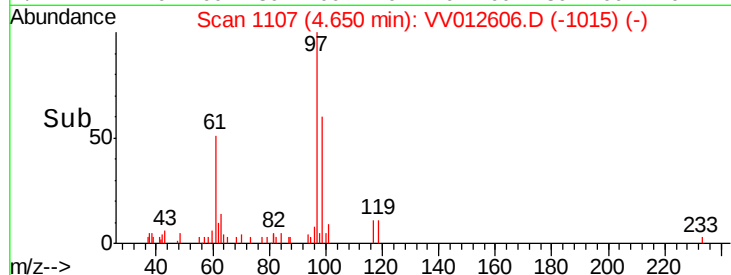
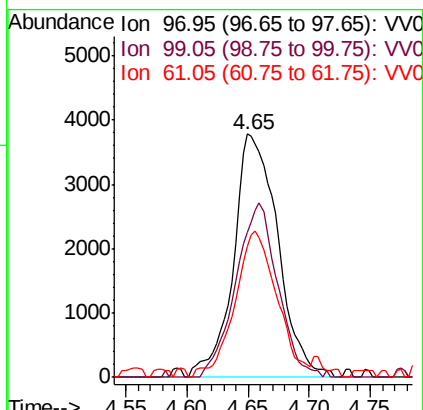
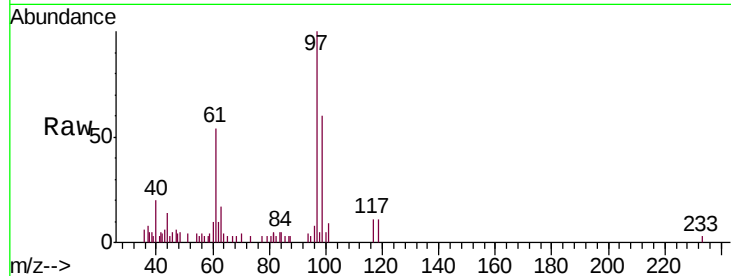




#29
 1,1,1-Trichloroethane
 Concen: 0.452 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV012606.D
 Acq: 06 Sep 2019 19:08

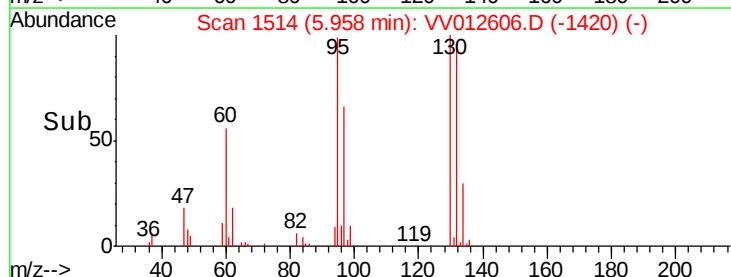
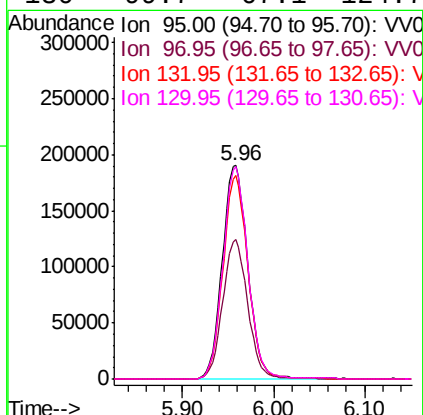
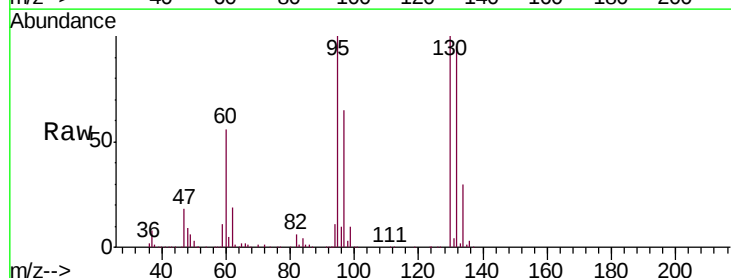
Instrument :
 MSVOA_V
 ClientSampleId :
 BFD88

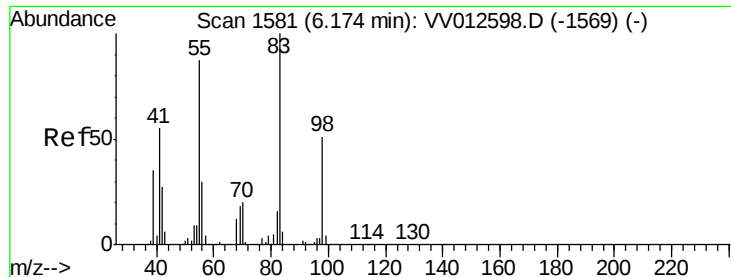
Tgt Ion: 97 Resp: 9515
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.8 77.6
 61 57.0 43.4 65.0



#34
 Trichloroethene
 Concen: 25.721 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012606.D
 Acq: 06 Sep 2019 19:08

Tgt Ion: 95 Resp: 371796
 Ion Ratio Lower Upper
 95 100
 97 65.4 43.9 81.5
 132 95.2 64.8 120.4
 130 99.7 67.1 124.7

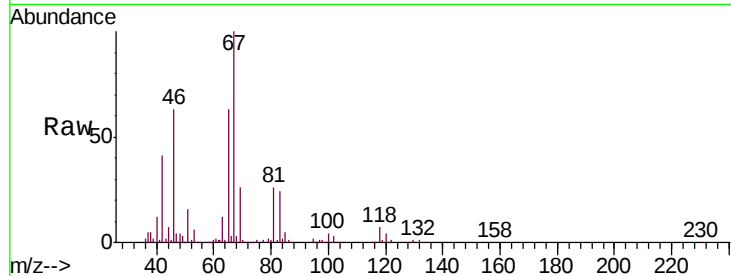




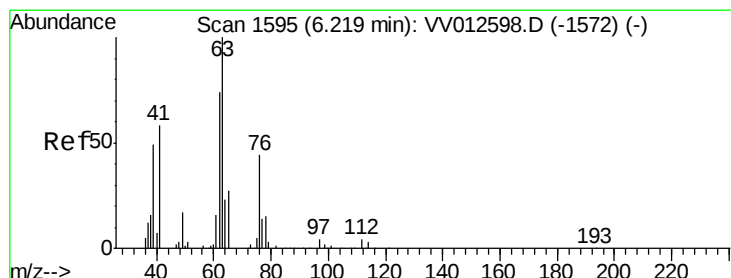
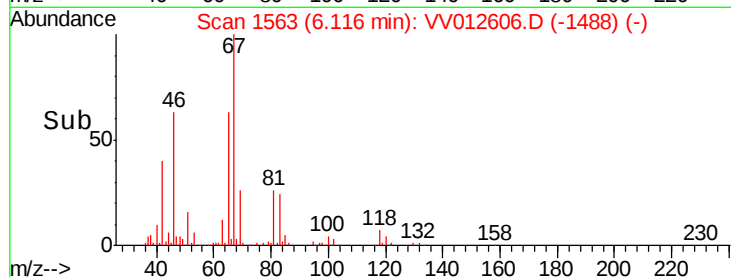
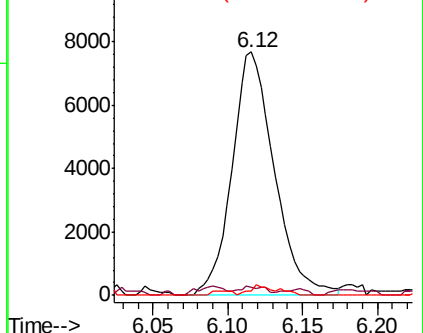
#35
Methylcyclohexane
Concen: 0.702 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

Instrument :
MSVOA_V
ClientSampled :
BFD88

Tgt Ion: 83 Resp: 15142
Ion Ratio Lower Upper
83 100
55 1.4 69.0 103.6#
98 0.0 38.0 57.0#

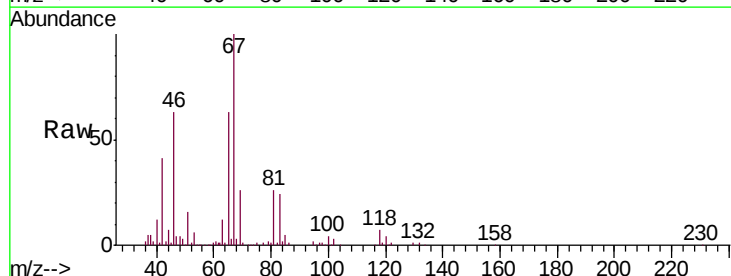


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

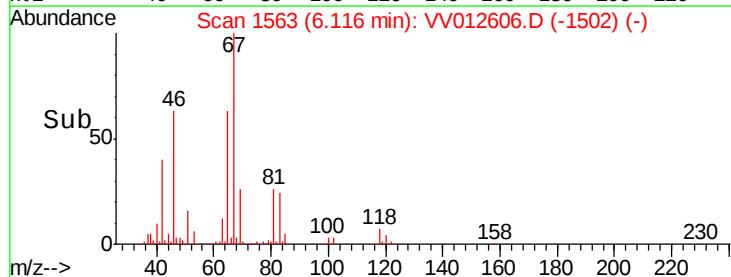
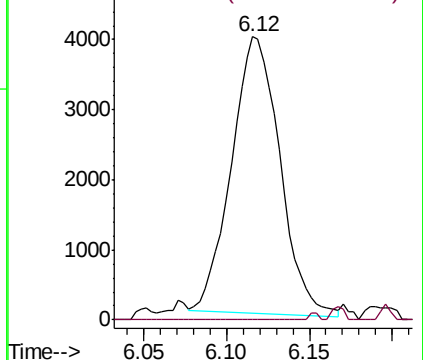


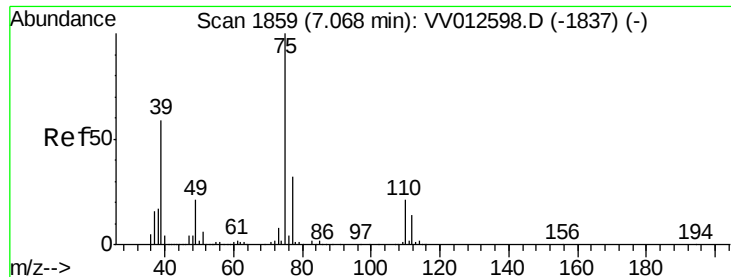
#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

Tgt Ion: 63 Resp: 8046
Ion Ratio Lower Upper
63 100
112 0.5 3.9 5.9#



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: 0.102 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

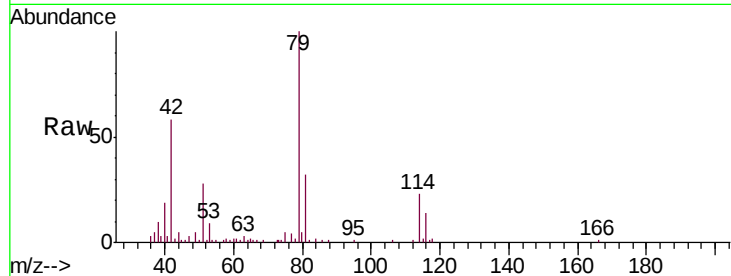
BFD88

Tgt Ion: 75 Resp: 1820

Ion Ratio Lower Upper

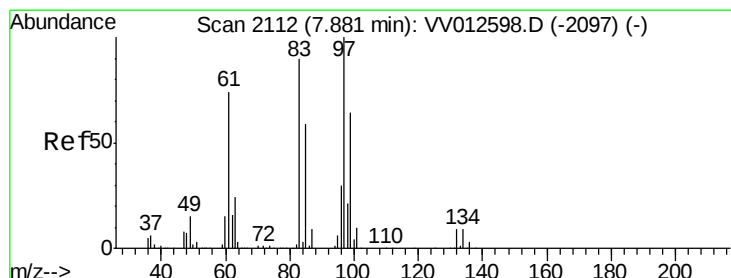
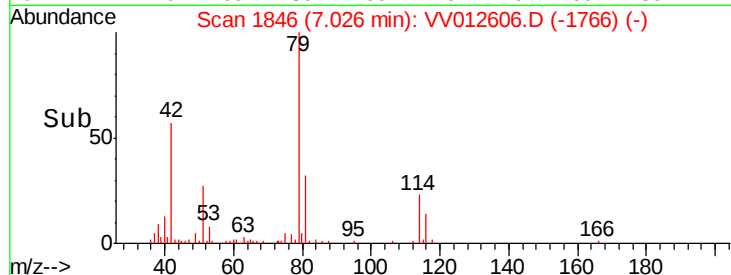
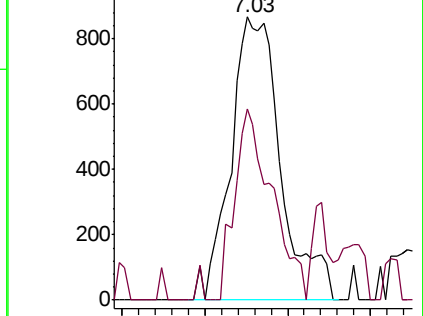
75 100

77 67.4 21.6 40.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 2.561 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Tgt Ion: 97 Resp: 23600

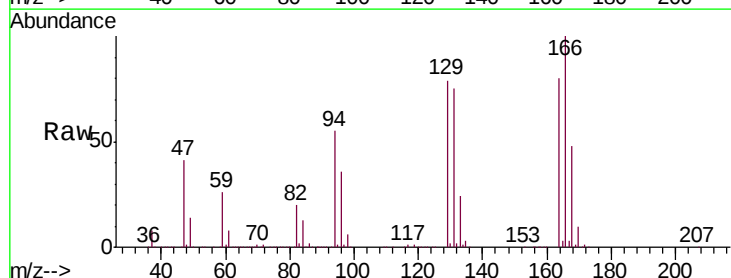
Ion Ratio Lower Upper

97 100

99 15.5 44.3 82.3#

83 276.7 62.6 116.3#

85 46.2 40.7 75.5

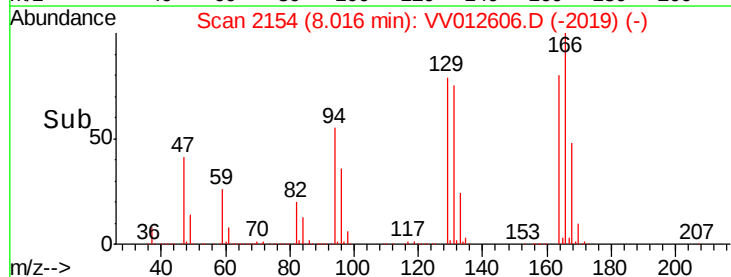
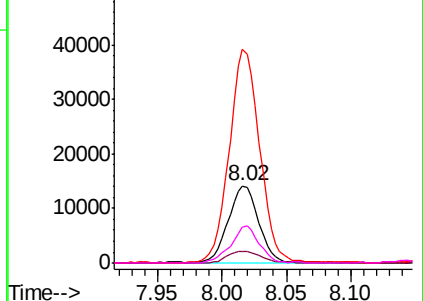


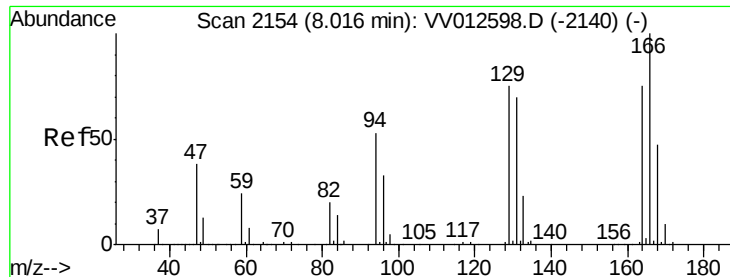
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

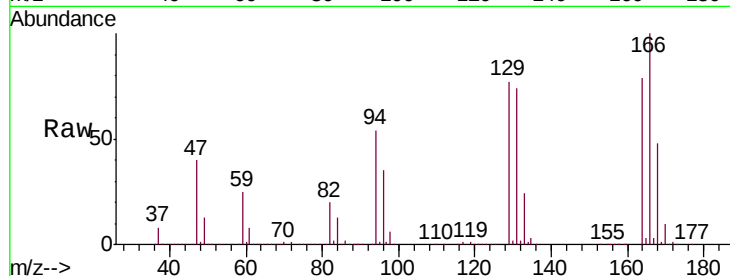




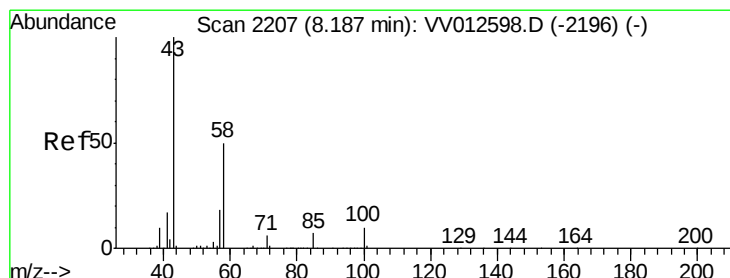
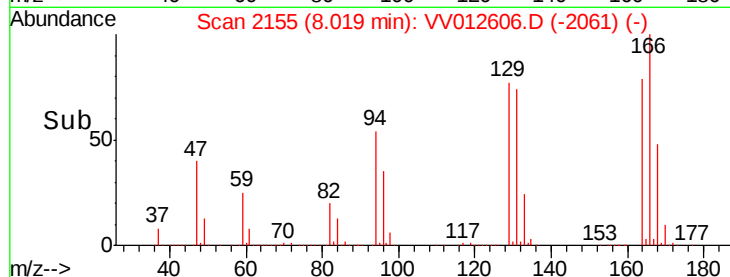
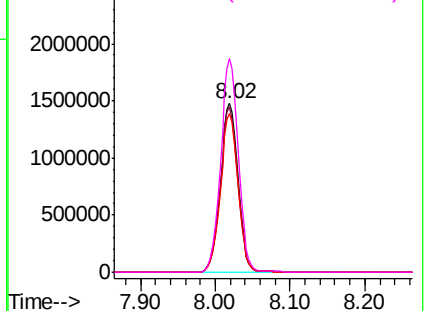
#47
Tetrachloroethene
Concen: 228.945 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

Instrument :
MSVOA_V
ClientSampleId :
BFD88

Tgt Ion:164 Resp: 2412443
Ion Ratio Lower Upper
164 100
129 97.6 65.0 120.6
131 93.8 62.0 115.2
166 126.5 87.0 161.6

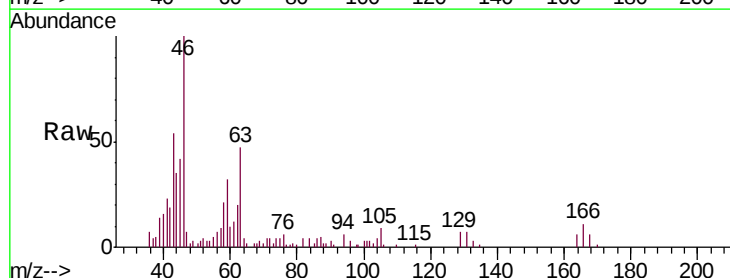


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

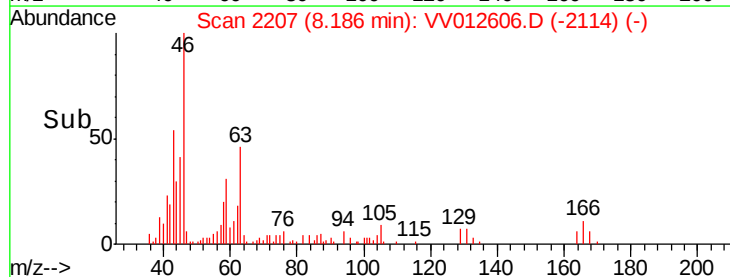
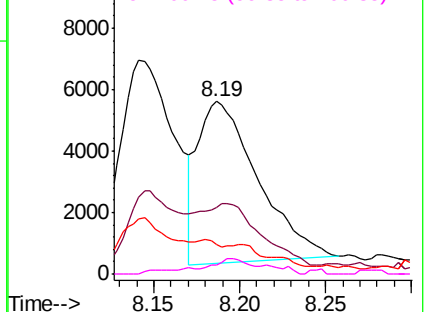


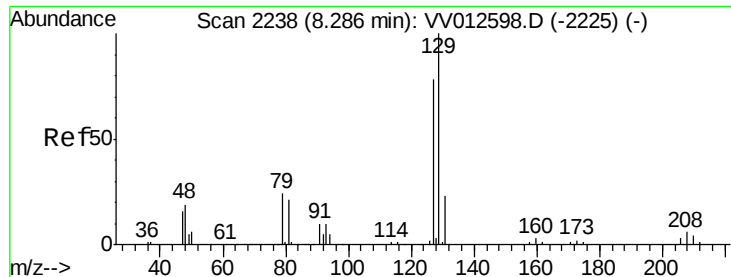
#48
2-Hexanone
Concen: 2.241 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

Tgt Ion: 43 Resp: 12822
Ion Ratio Lower Upper
43 100
58 30.2 39.3 58.9#
57 0.0 12.9 19.3#
100 3.1 8.0 12.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 219.423 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :
MSVOA_V
ClientSampleId :
BFD88

Tgt Ion:129 Resp: 2292936

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#

