

Data File : VV012608.D
Acq On : 06 Sep 2019 20:00
Operator : SY/MD
Sample : K4703-07
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD90

Quant Time: Sep 07 01:10:20 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	146172	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150531	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	51629	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65489	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	61623	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.13	63	111739	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.97	46	155677	58.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.78%
24) Chloroform-d	4.40	84	103143	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.08	65	57816	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.10	84	186155	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.12	67	61950	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	147585	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.67	79	18317	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.14	63	99655	60.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45587	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	49139	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1511	0.073 ug/L	99
12) 1,1-Dichloroethene	2.14	96	8637	0.496 ug/L #	1
13) Acetone	2.23	43	5911	1.828 ug/L	78
17) Methyl tert-butyl Ether	2.81	73	5391	0.191 ug/L #	92
19) 1,1-Dichloroethane	3.23	63	3825	0.144 ug/L #	83
22) cis-1,2-Dichloroethene	3.96	96	30351	2.218 ug/L	99
25) Chloroform	4.42	83	5692	0.198 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	5095	0.230 ug/L	97
31) Carbon tetrachloride	4.87	117	1953	0.099 ug/L	87
34) Trichloroethene	5.96	95	594862	39.184 ug/L	99
35) Methylcyclohexane	6.12	83	14613	0.645 ug/L #	15
37) 1,2-Dichloropropane	6.22	63	866	0.061 ug/L #	68
45) 1,1,2-Trichloroethane	8.02	97	32771	3.386 ug/L #	1
47) Tetrachloroethene	8.02	164	3225791	291.486 ug/L	95
48) 2-Hexanone	8.19	43	10969	1.826 ug/L #	44
49) Dibromochloromethane	8.02	129	3107692	283.163 ug/L #	12

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

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

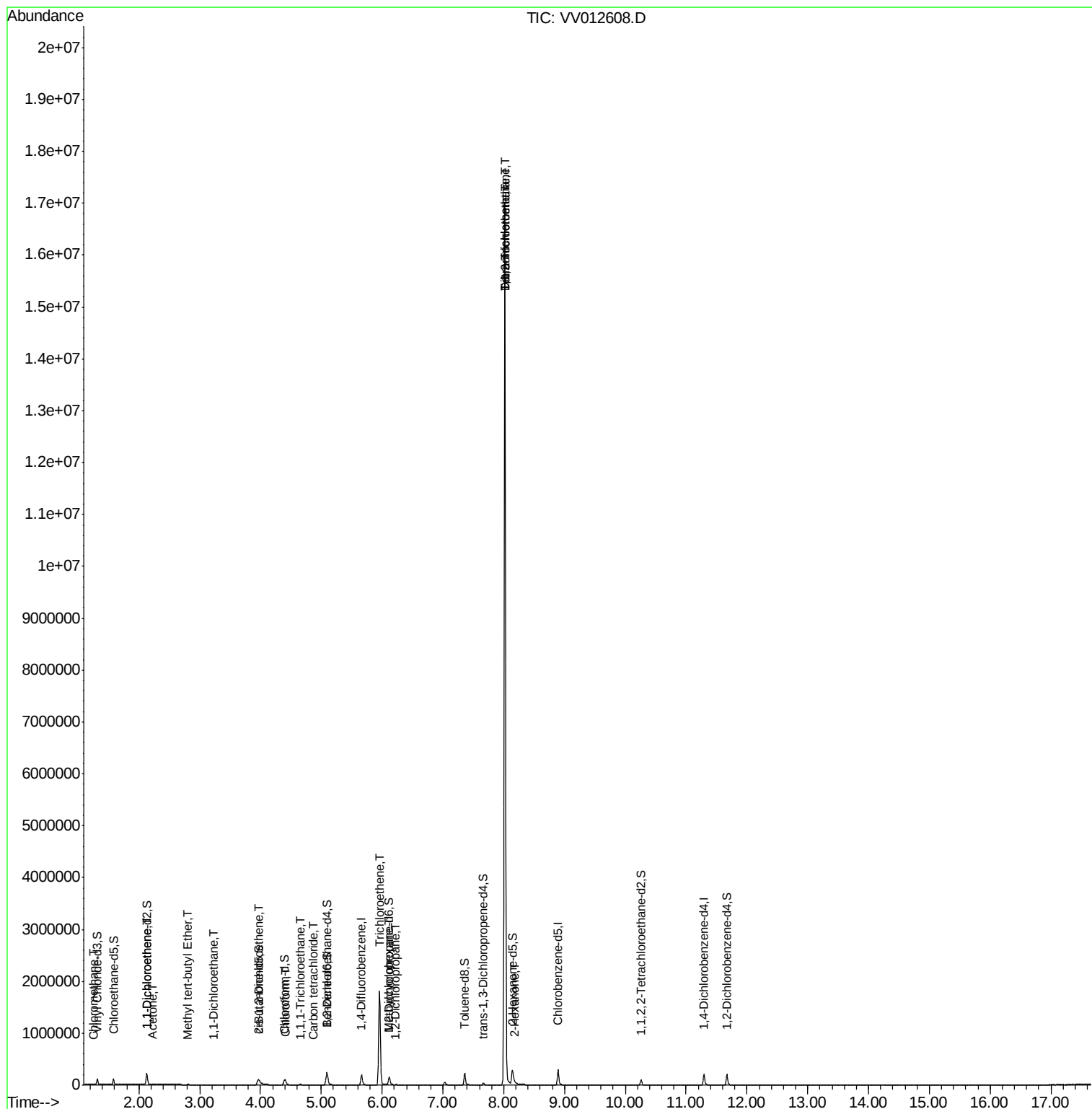
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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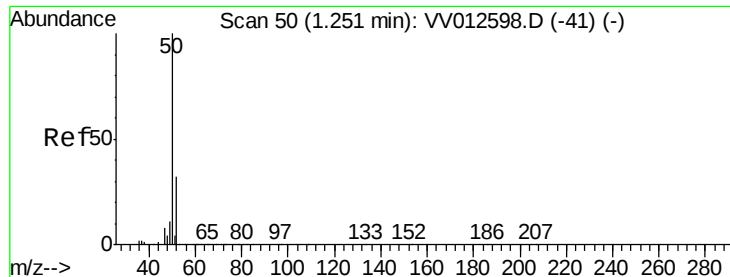
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.073 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

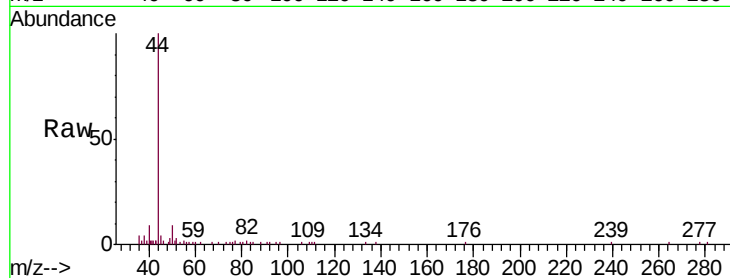
BFD90

Tgt Ion: 50 Resp: 1511

Ion Ratio Lower Upper

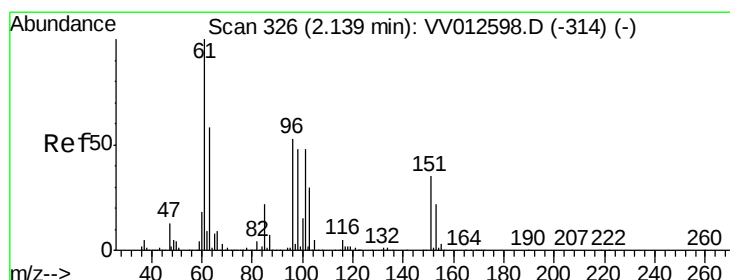
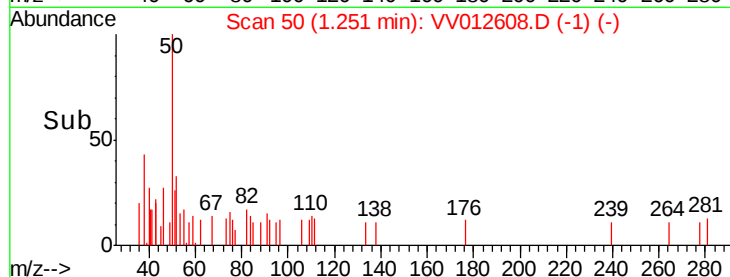
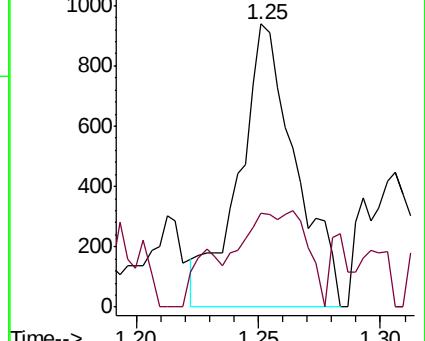
50 100

52 33.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#12

1,1-Dichloroethene

Concen: 0.496 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

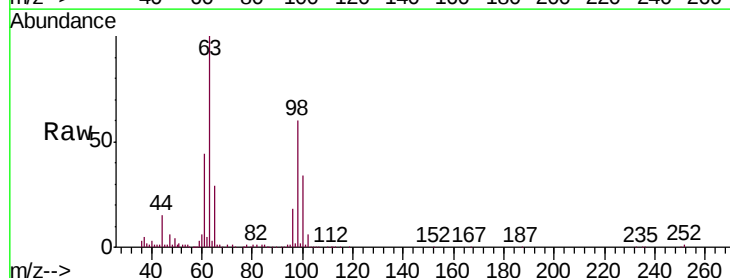
Tgt Ion: 96 Resp: 8637

Ion Ratio Lower Upper

96 100

61 250.3 132.7 246.5#

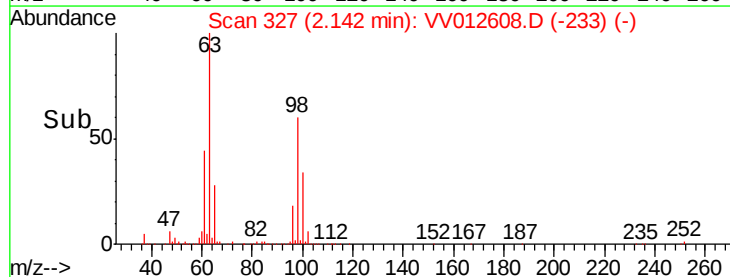
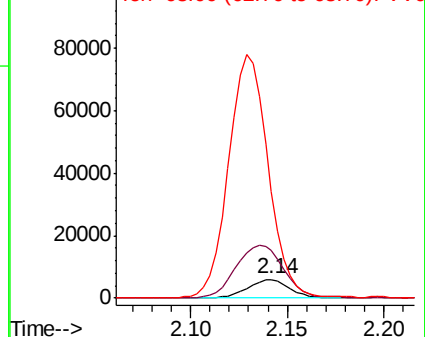
63 562.9 84.1 156.1#

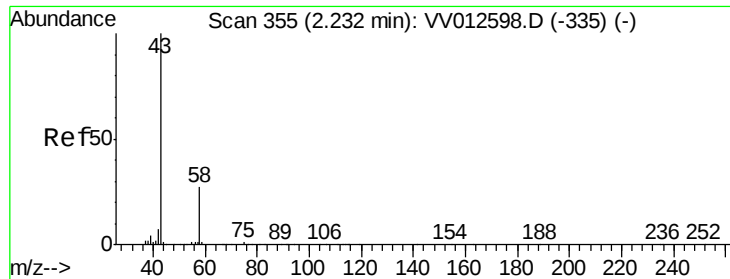


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.828 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

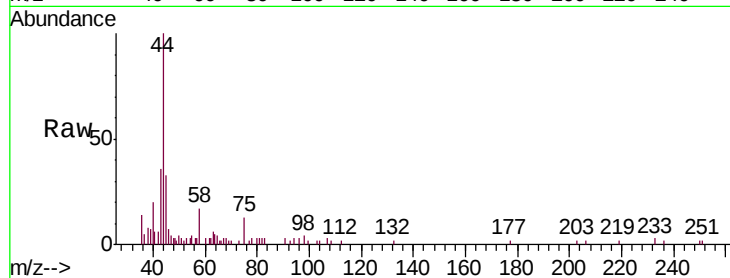
BFD90

Tgt Ion: 43 Resp: 5911

Ion Ratio Lower Upper

43 100

58 16.6 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

2000

1500

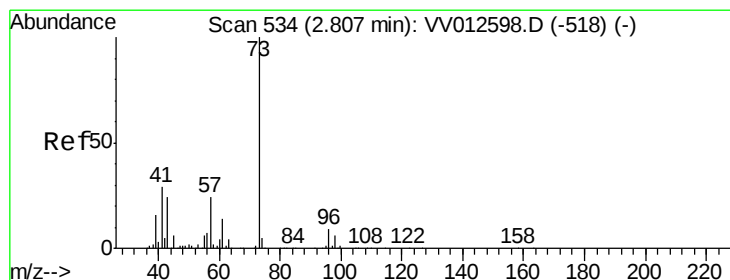
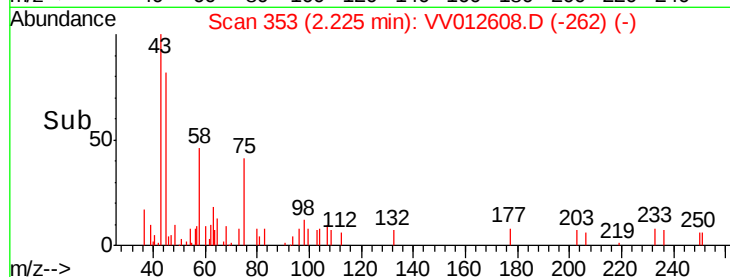
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#17

Methyl tert-butyl Ether

Concen: 0.191 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

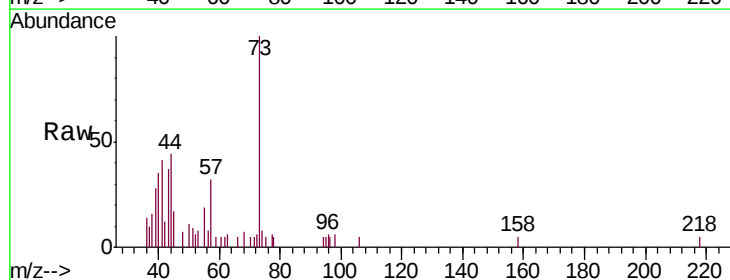
Tgt Ion: 73 Resp: 5391

Ion Ratio Lower Upper

73 100

43 21.3 18.9 28.3

57 29.0 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

3000

2500

2000

1500

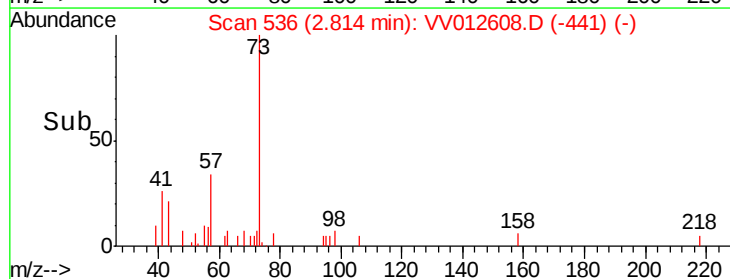
1000

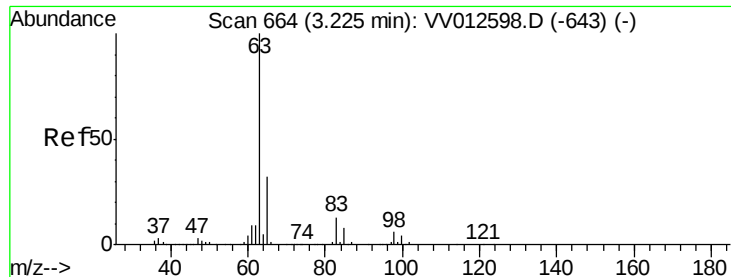
500

0

Time-->

2.75 2.80 2.85 2.90





#19

1,1-Dichloroethane

Concen: 0.144 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

BFD90

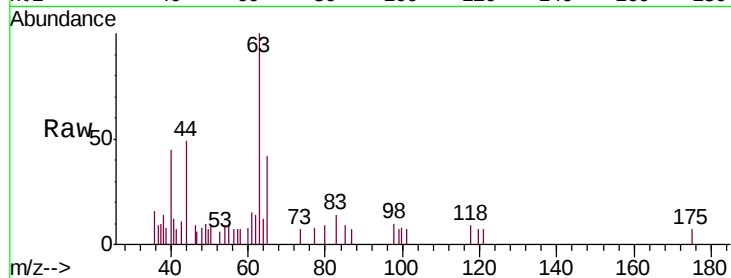
Tgt Ion: 63 Resp: 3825

Ion Ratio Lower Upper

63 100

65 42.0 20.9 38.9#

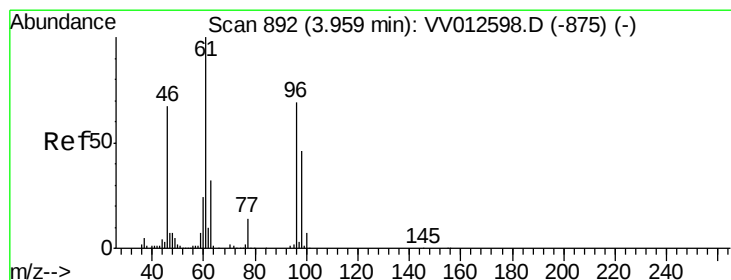
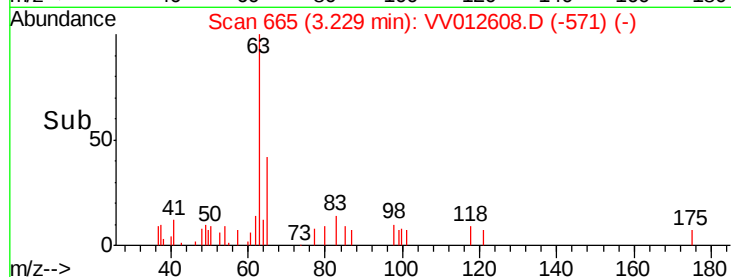
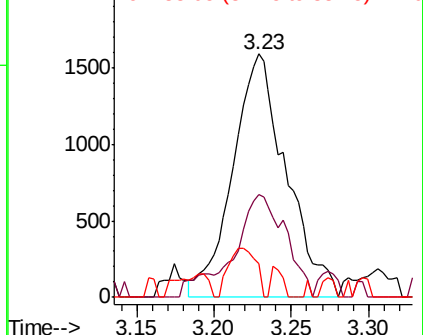
83 13.9 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VV012598.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV012598.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV012598.D (-643) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.218 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

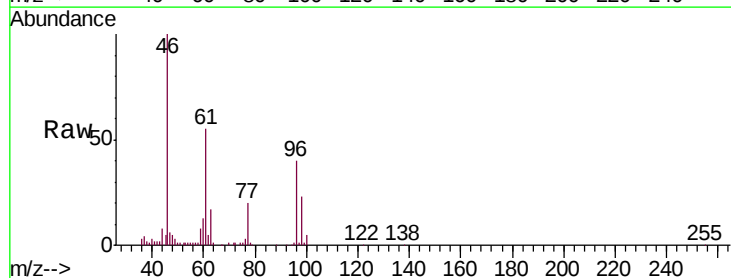
Tgt Ion: 96 Resp: 30351

Ion Ratio Lower Upper

96 100

61 135.9 93.9 174.5

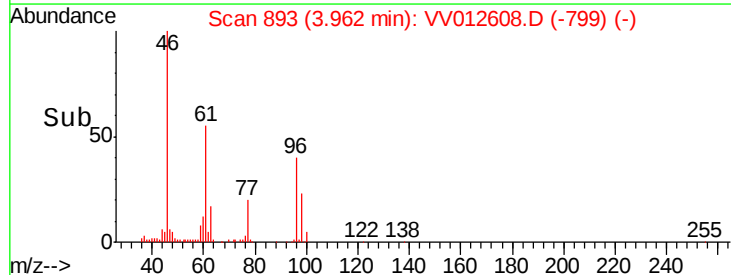
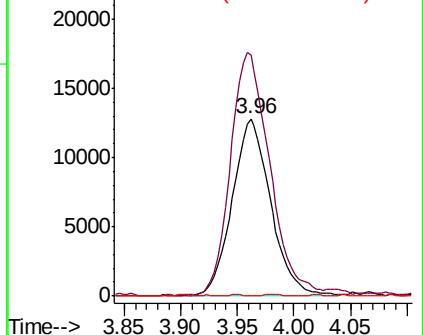
68 0.0 0.0 0.0

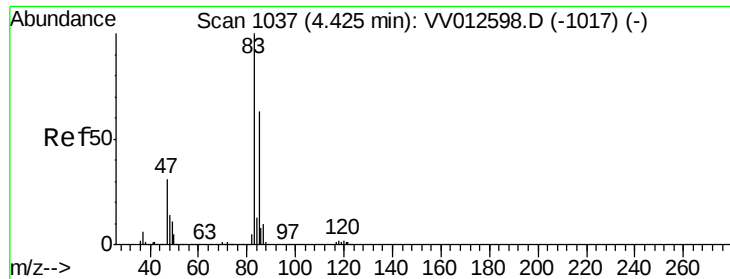


Abundance Ion 96.00 (95.70 to 96.70): VV012598.D (-875) (-)

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: 0.198 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

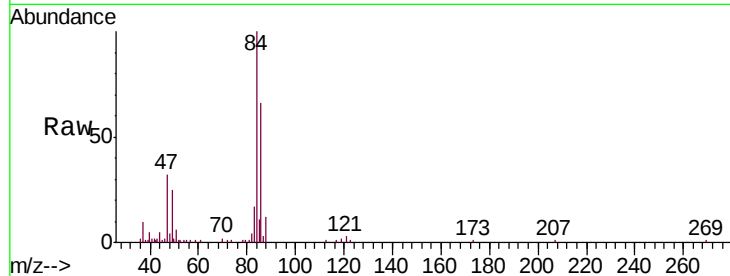
Instrument :
MSVOA_V
ClientSampleId :
BFD90

Tgt Ion: 83 Resp: 5692

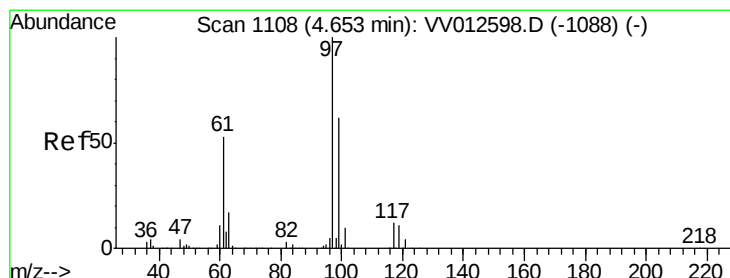
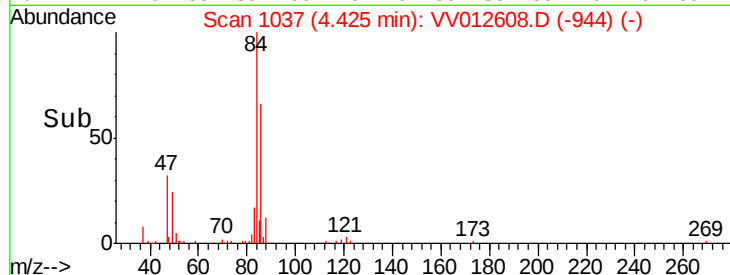
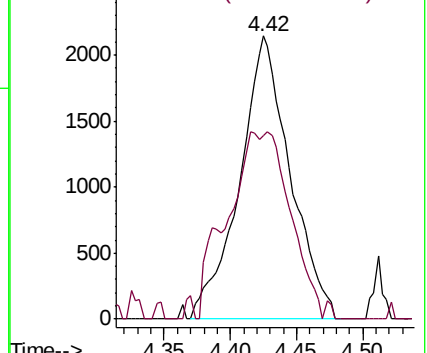
Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012608.D (-944) (-)



#29

1,1,1-Trichloroethane

Concen: 0.230 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

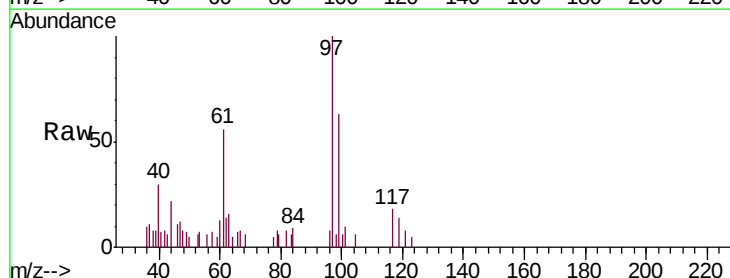
Tgt Ion: 97 Resp: 5095

Ion Ratio Lower Upper

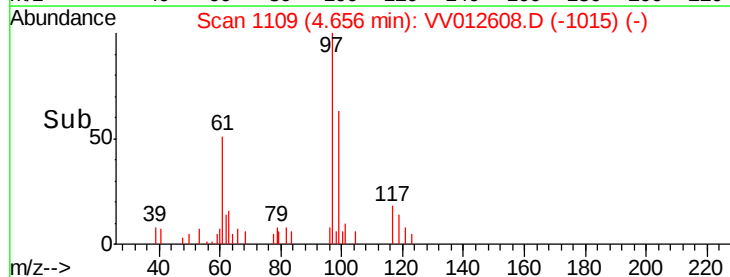
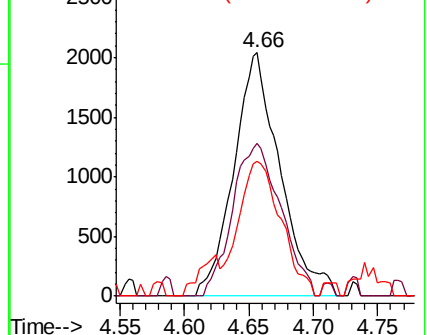
97 100

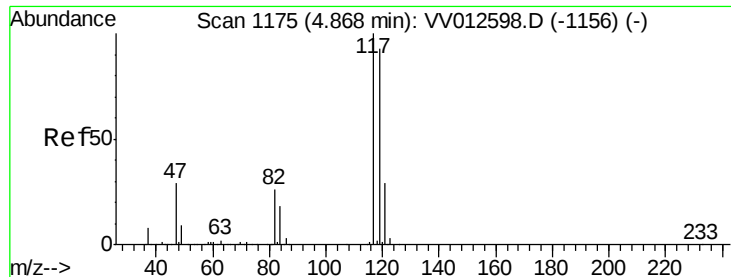
99 65.5 51.8 77.6

61 50.7 43.4 65.0



Abundance Ion 96.95 (96.65 to 97.65): VV012608.D (-1015) (-)





#31

Carbon tetrachloride

Concen: 0.099 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

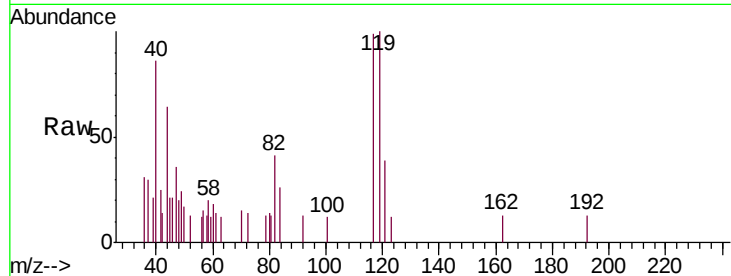
Instrument :
MSVOA_V
ClientSampleId :
BFD90

Tgt Ion: 117 Resp: 1953

Ion Ratio Lower Upper

117 100

119 108.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

800

600

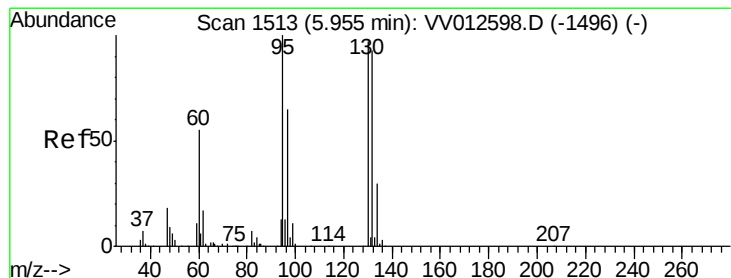
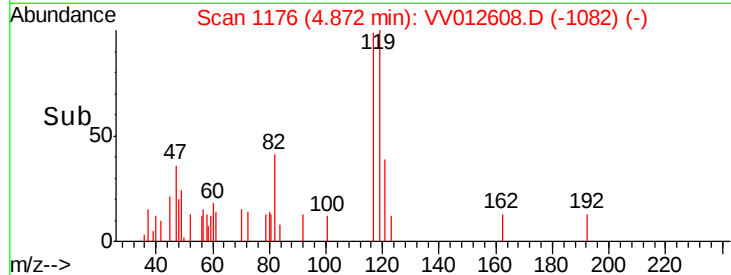
400

200

0

4.85 4.90

Time-->



#34

Trichloroethene

Concen: 39.184 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Tgt Ion: 95 Resp: 594862

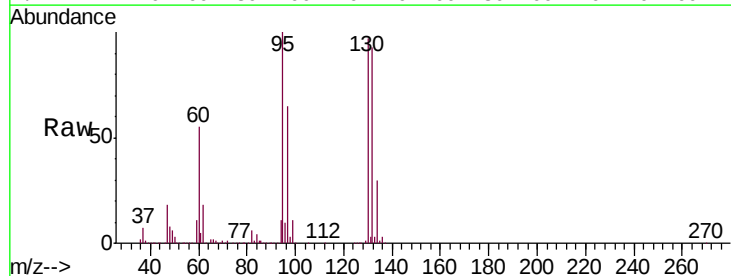
Ion Ratio Lower Upper

95 100

97 65.1 43.9 81.5

132 93.5 64.8 120.4

130 96.7 67.1 124.7



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

400000

300000

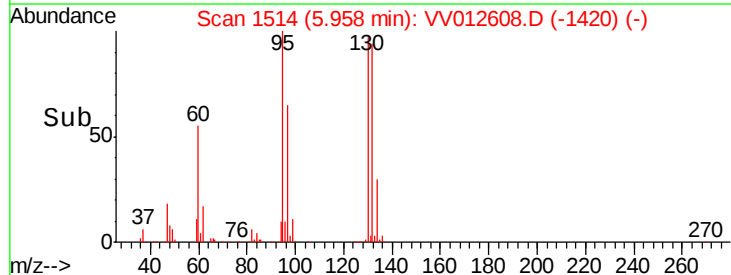
200000

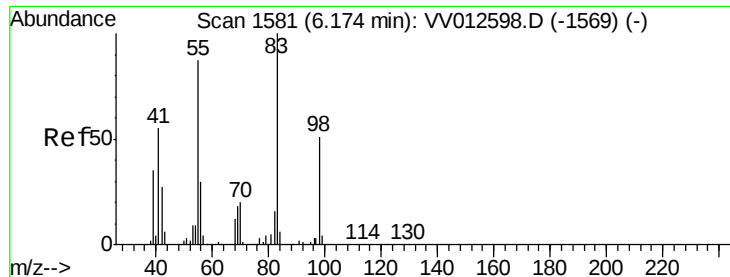
100000

0

5.90 6.00 6.10

Time-->

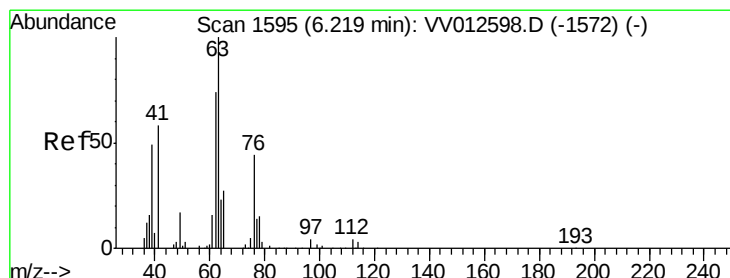
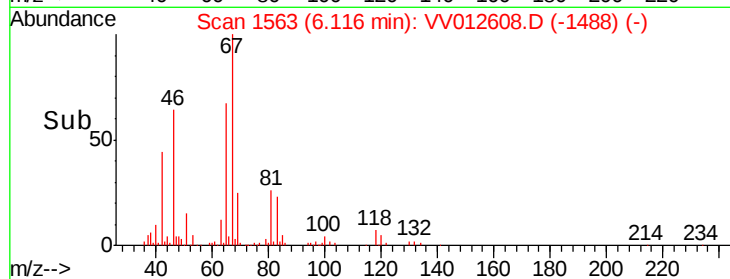
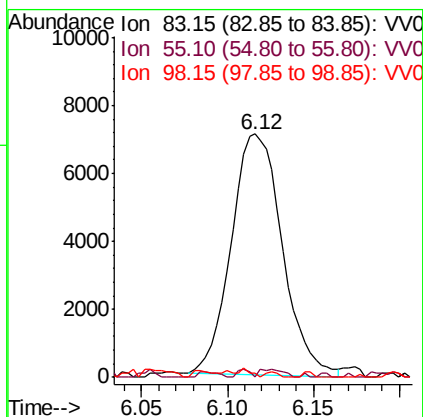
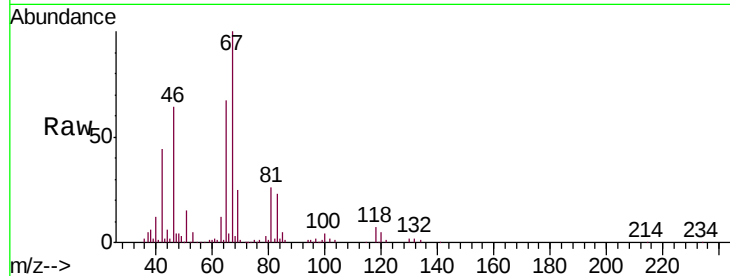




#35
Methylcyclohexane
Concen: 0.645 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012608.D
Acq: 06 Sep 2019 20:00

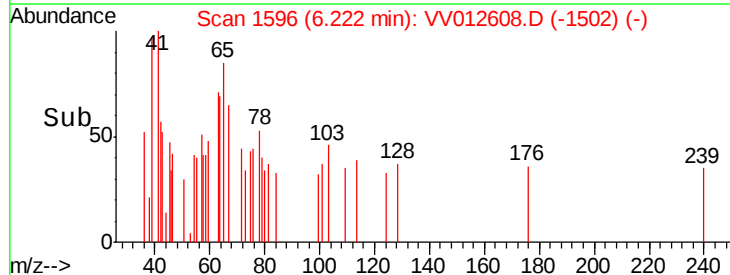
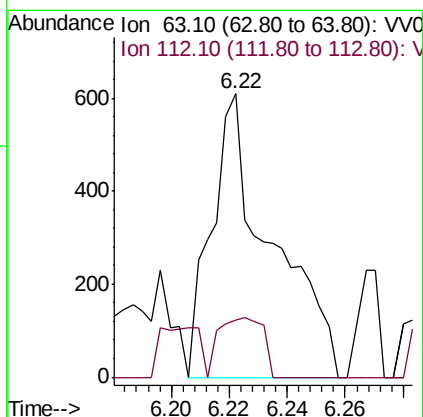
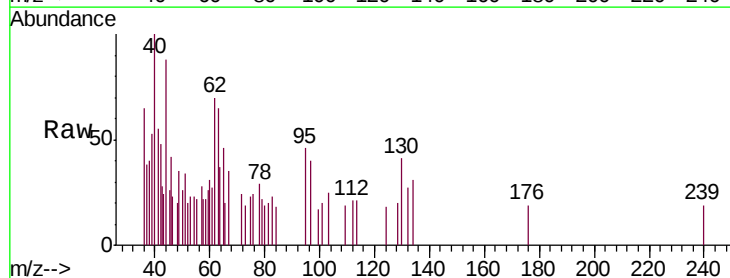
Instrument :
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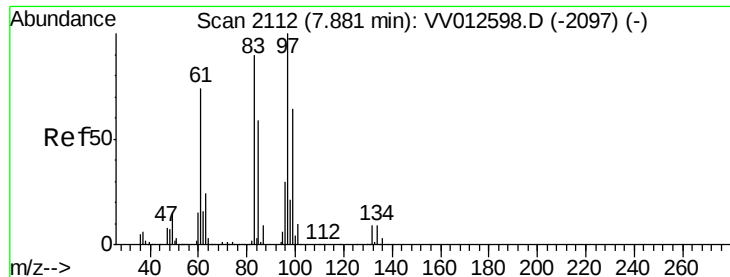
Tgt Ion: 83 Resp: 14613
Ion Ratio Lower Upper
83 100
55 0.8 69.0 103.6#
98 0.0 38.0 57.0#



#37
1,2-Dichloropropane
Concen: 0.061 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012608.D
Acq: 06 Sep 2019 20:00

Tgt Ion: 63 Resp: 866
Ion Ratio Lower Upper
63 100
112 15.6 3.9 5.9#





#45

1,1,2-Trichloroethane

Concen: 3.386 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

BFD90

Tgt Ion: 97 Resp: 32771

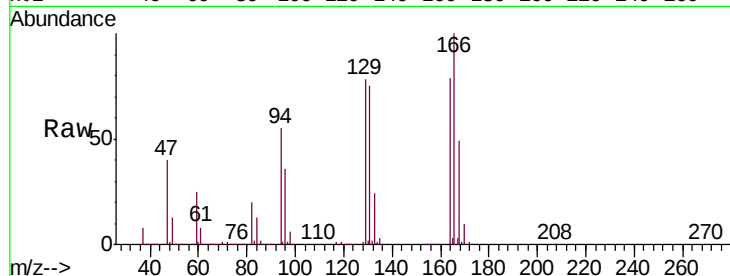
Ion Ratio Lower Upper

97 100

99 16.4 44.3 82.3#

83 272.6 62.6 116.3#

85 42.5 40.7 75.5

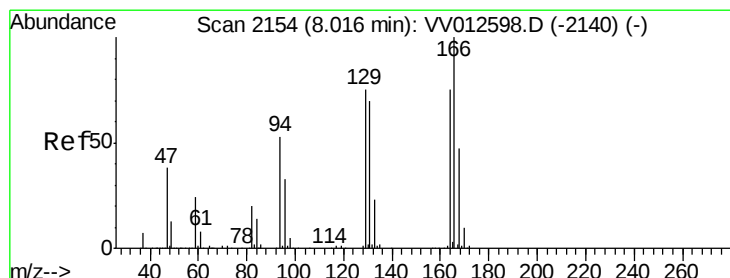
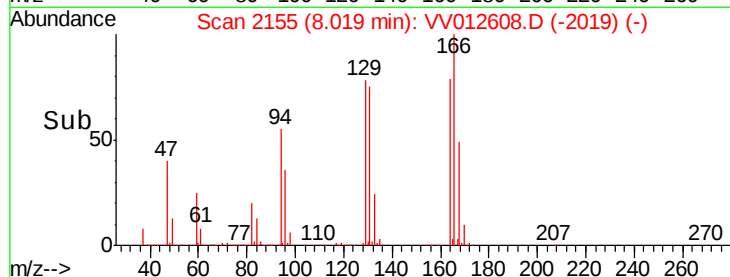
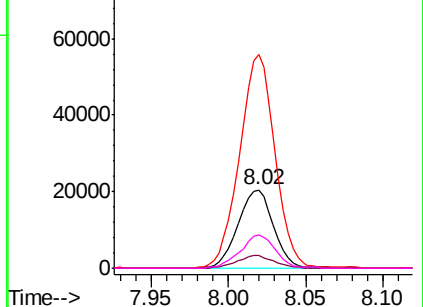


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 291.486 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012608.D

Acq: 06 Sep 2019 20:00

Tgt Ion: 164 Resp: 3225791

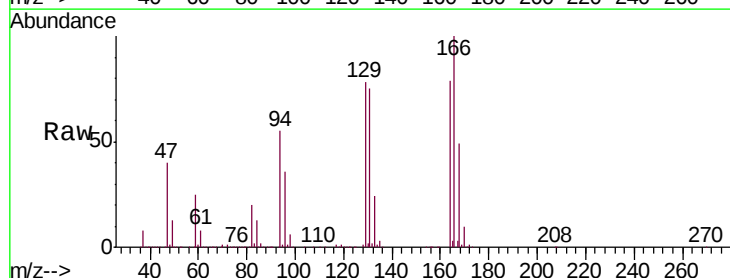
Ion Ratio Lower Upper

164 100

129 99.2 65.0 120.6

131 94.6 62.0 115.2

166 126.4 87.0 161.6

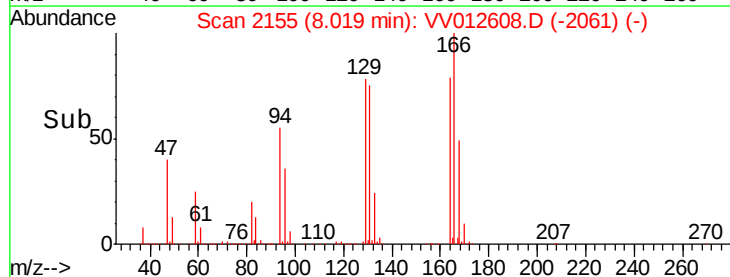
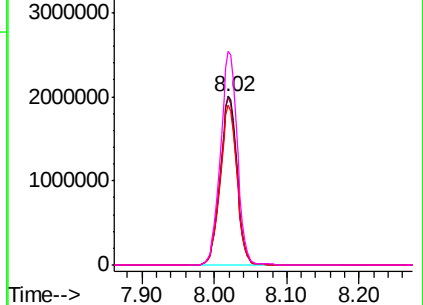


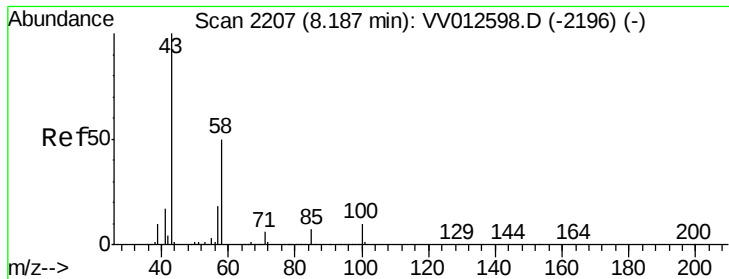
Abundance Ion 163.90 (163.60 to 164.60): V

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

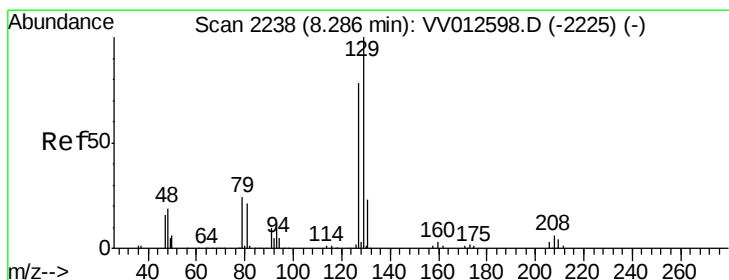
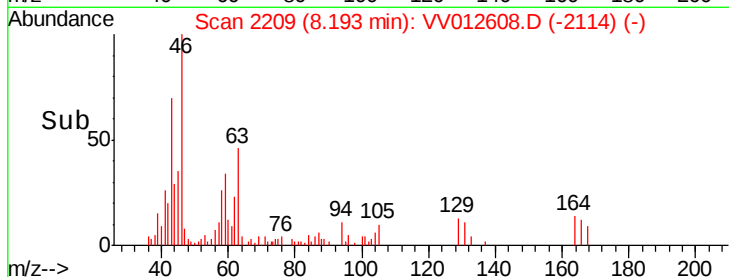
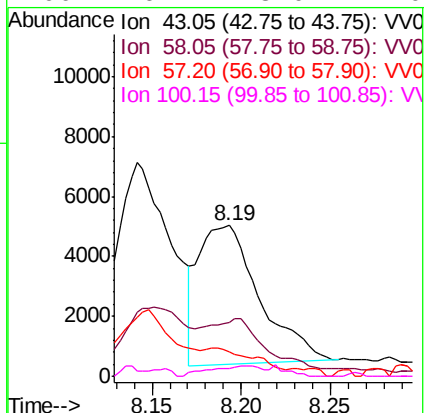
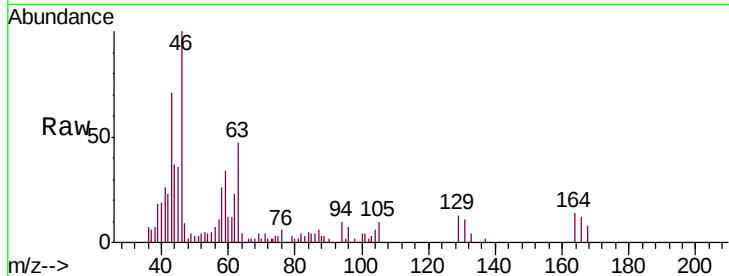




#48
2-Hexanone
Concen: 1.826 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012608.D
Acq: 06 Sep 2019 20:00

Instrument :
MSVOA_V
ClientSampleId :
BFD90

Tgt Ion: 43 Resp: 10969
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
57 0.0 12.9 19.3#
100 6.7 8.0 12.0#



#49
Dibromochloromethane
Concen: 283.163 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV012608.D
Acq: 06 Sep 2019 20:00

Tgt Ion: 129 Resp: 3107692
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#

