

Data File : VV009461.D
Acq On : 01 Mar 2019 17:58
Operator : SY/MD
Sample : K1660-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 02 00:12:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 02 00:06:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87541	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83720	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40158	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21371	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	19392	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.13	63	41902	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.96	46	48889	56.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.76%
24) Chloroform-d	4.40	84	43081	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	22863	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	87989	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	27789	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	88039	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	10649	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.14	63	42731	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20830	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	32809	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue	
8) Chloroethane	1.60	64	761	0.183	ug/L #	73
13) Acetone	2.20	43	30237	36.707	ug/L	95
15) Methyl Acetate	2.20	43	28708	13.348	ug/L #	50
19) 1,1-Dichloroethane	3.23	63	757	0.090	ug/L #	50
22) cis-1,2-Dichloroethene	3.96	96	7874	1.357	ug/L	97
25) Chloroform	4.43	83	2316	0.229	ug/L	79
34) Trichloroethene	5.96	95	1787	0.291	ug/L	89
35) Methylcyclohexane	6.12	83	6705	0.665	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3394	0.638	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	992	0.118	ug/L #	77
42) Toluene	7.43	91	19459	0.785	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	572	0.087	ug/L	85
47) Tetrachloroethene	8.02	164	3125	0.648	ug/L	94
49) Dibromochloromethane	8.02	129	3277	0.661	ug/L #	9
51) Chlorobenzene	8.93	112	6390	0.396	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	2072	0.167	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030119\
Quantitation Report (Not Reviewed)

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ALS Vial : 20 Sample Multiplier: 1

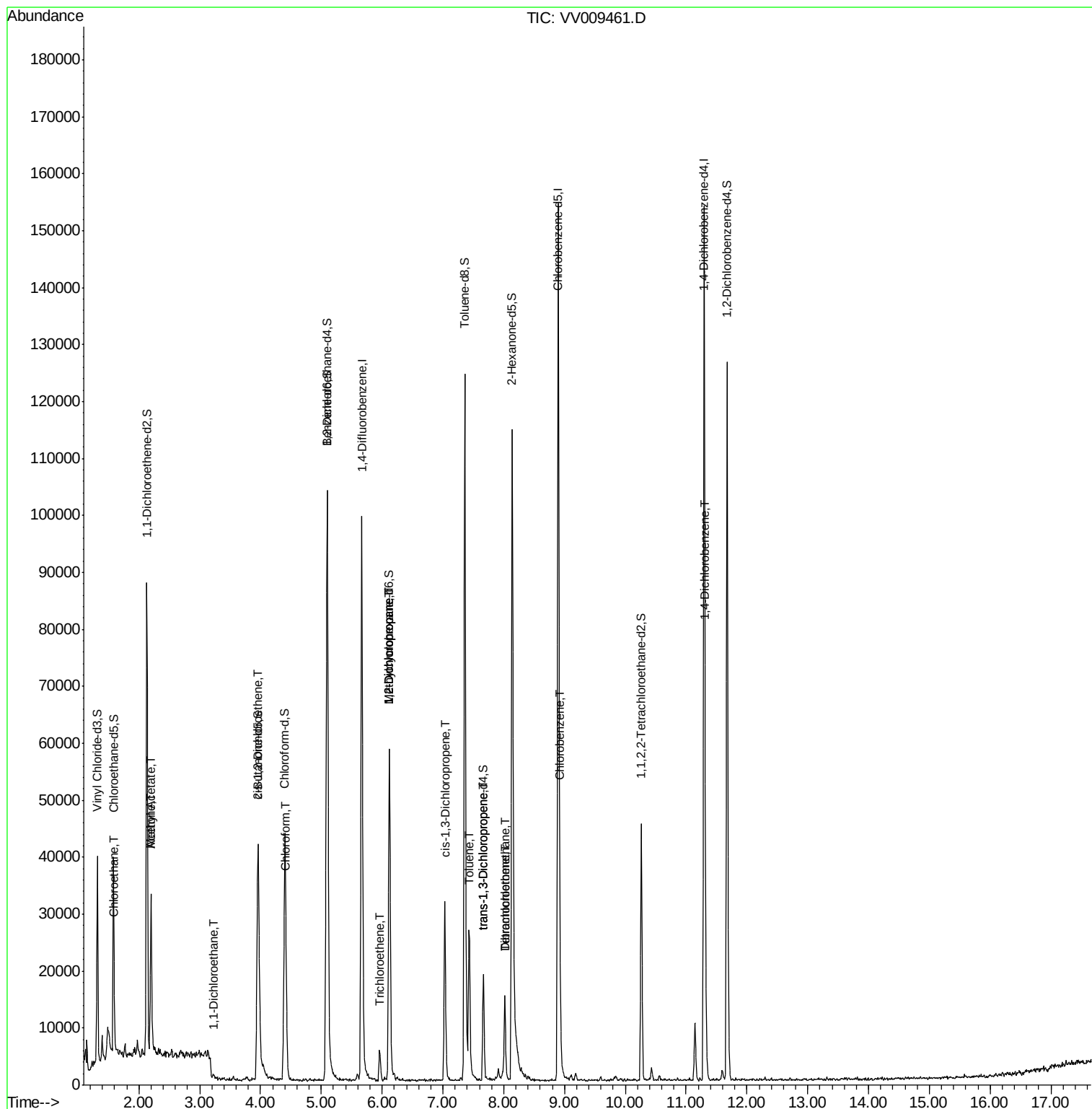
Quant Time: Mar 02 00:12:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 02 00:06:51 2019
Response via : Initial Calibration

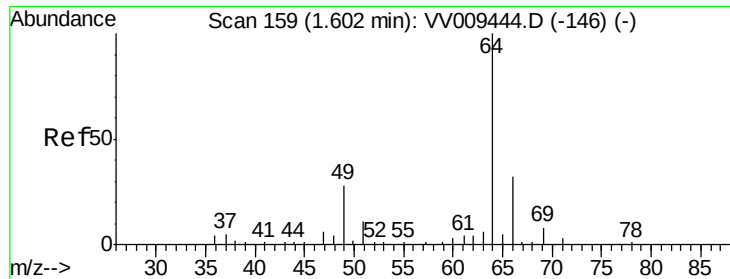
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.183 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009461.D

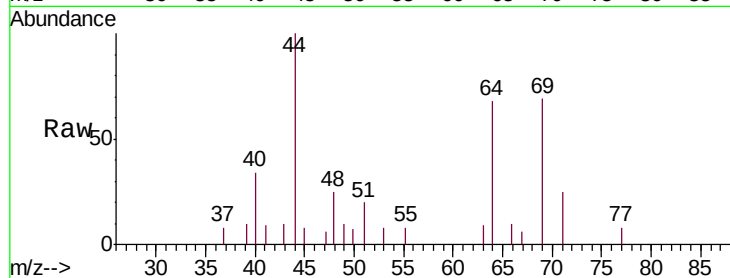
Acq: 01 Mar 2019 17:58

Tgt Ion: 64 Resp: 761

Ion Ratio Lower Upper

64 100

66 15.5 21.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VV009444.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV009444.D (-146) (-)

1500

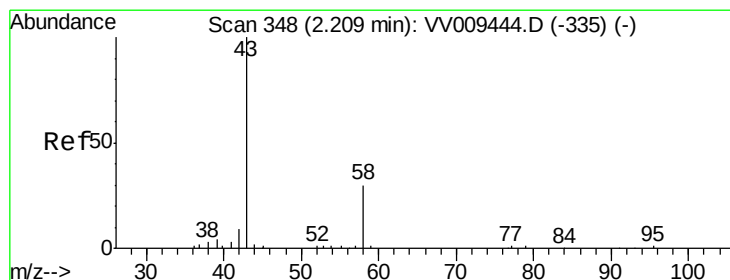
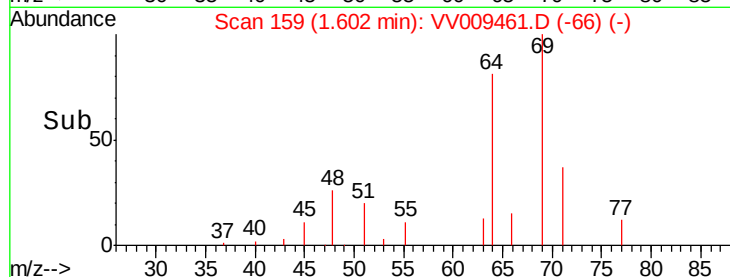
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#13

Acetone

Concen: 36.707 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV009461.D

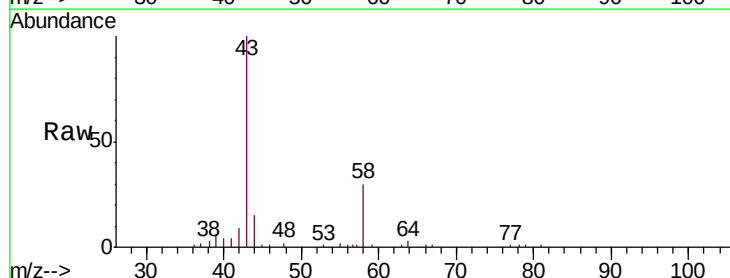
Acq: 01 Mar 2019 17:58

Tgt Ion: 43 Resp: 30237

Ion Ratio Lower Upper

43 100

58 28.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009444.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV009444.D (-335) (-)

20000

15000

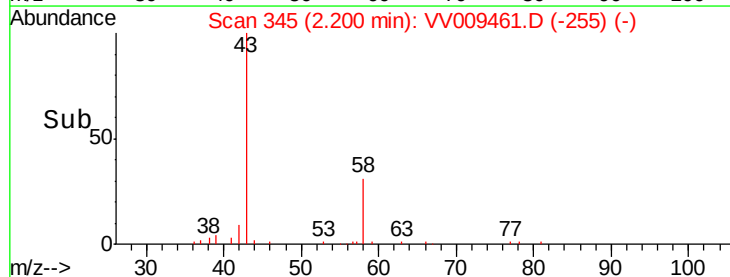
10000

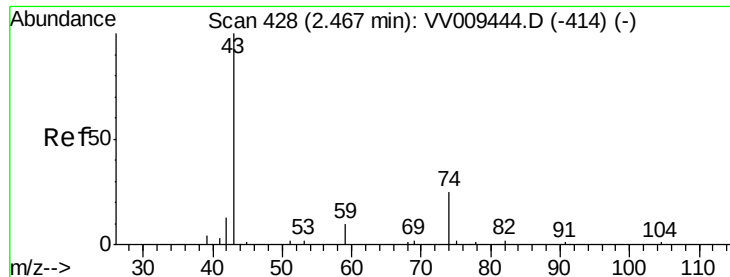
5000

0

2.10 2.20 2.30

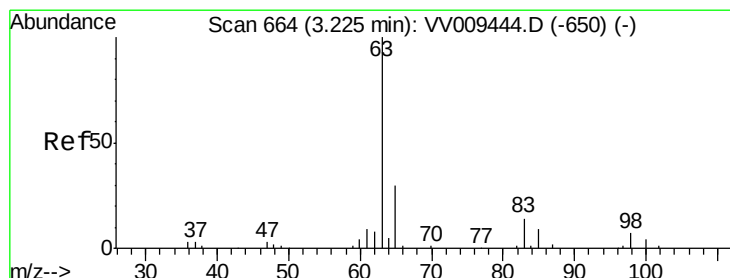
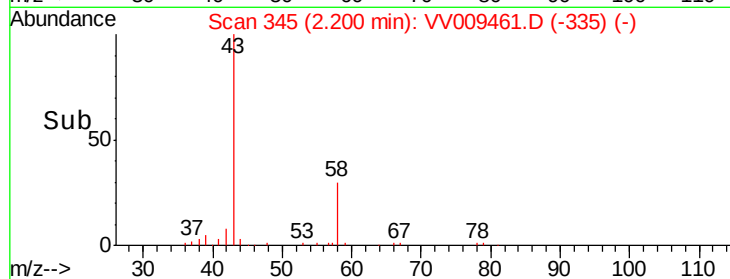
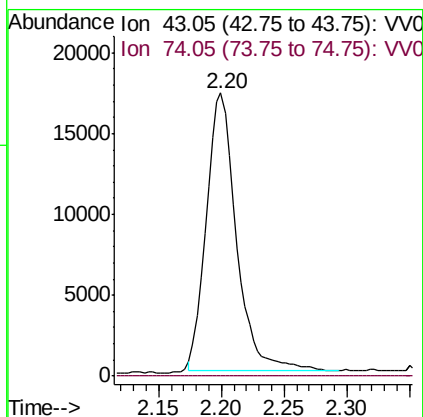
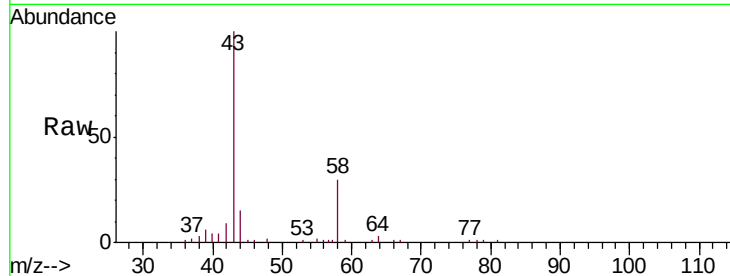
Time-->





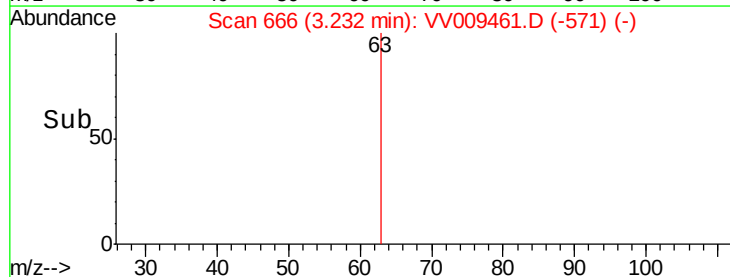
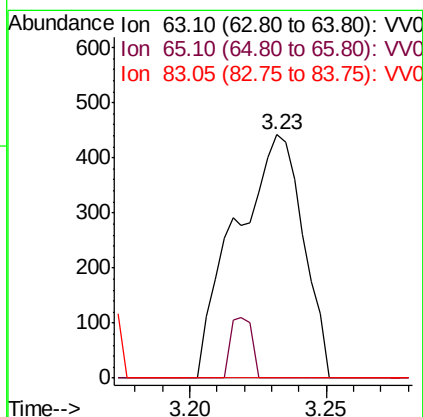
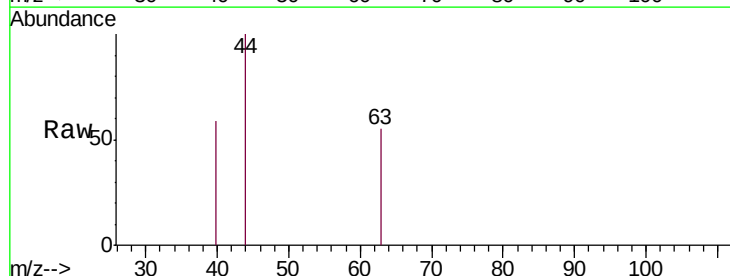
#15
Methyl Acetate
Concen: 13.348 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.27 min
Lab File: VV009461.D
Acq: 01 Mar 2019 17:58

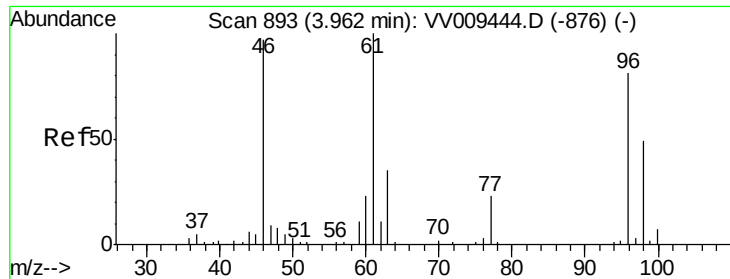
Tgt Ion: 43 Resp: 28708
Ion Ratio Lower Upper
43 100
74 0.1 20.6 30.8#



#19
1,1-Dichloroethane
Concen: 0.090 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.01 min
Lab File: VV009461.D
Acq: 01 Mar 2019 17:58

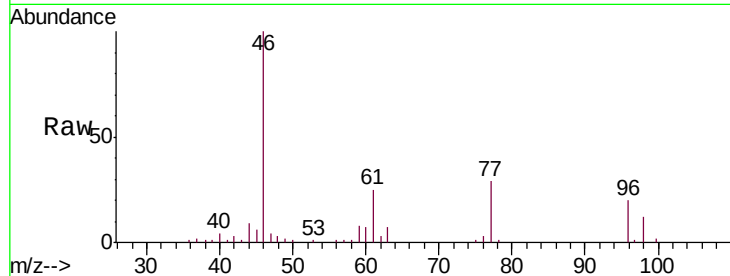
Tgt Ion: 63 Resp: 757
Ion Ratio Lower Upper
63 100
65 0.0 21.6 40.2#
83 0.0 10.4 19.4#



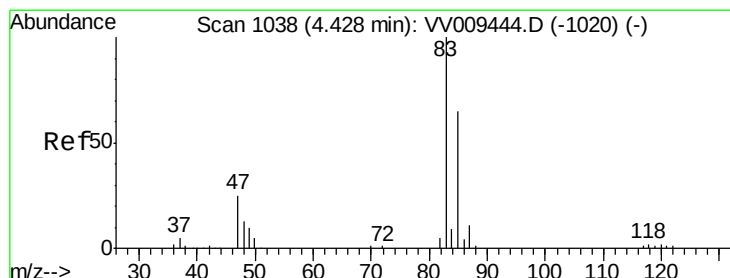
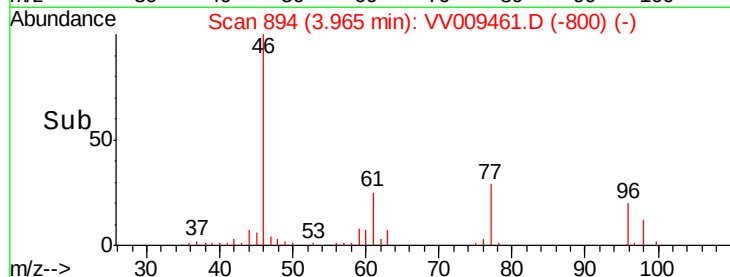
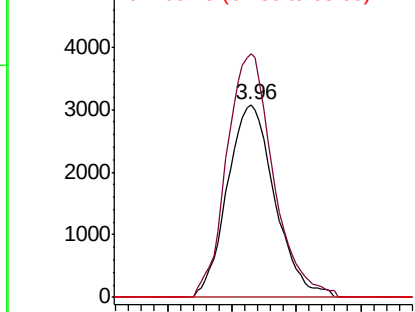


#22
 cis-1,2-Dichloroethene
 Concen: 1.357 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009461.D
 Acq: 01 Mar 2019 17:58

Tgt Ion: 96 Resp: 7874
 Ion Ratio Lower Upper
 96 100
 61 126.4 86.0 159.8
 68 0.0 0.0 0.0

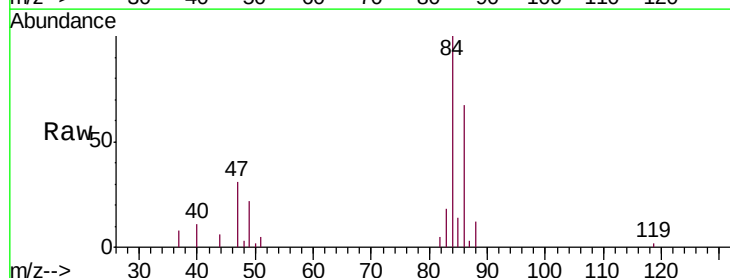


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

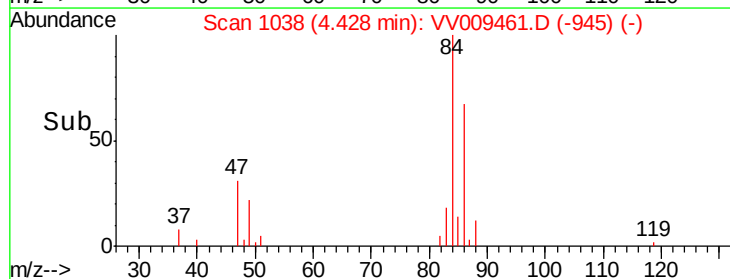
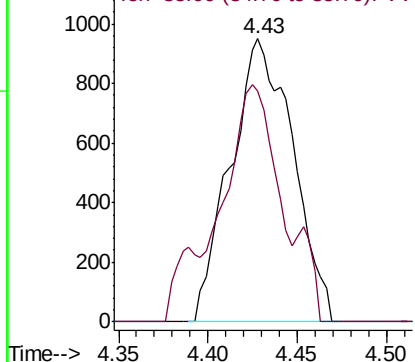


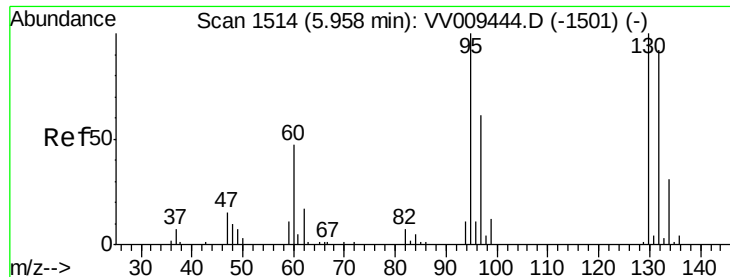
#25
 Chloroform
 Concen: 0.229 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV009461.D
 Acq: 01 Mar 2019 17:58

Tgt Ion: 83 Resp: 2316
 Ion Ratio Lower Upper
 83 100
 85 81.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.291 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009461.D

Acq: 01 Mar 2019 17:58

Tgt Ion: 95 Resp: 1787

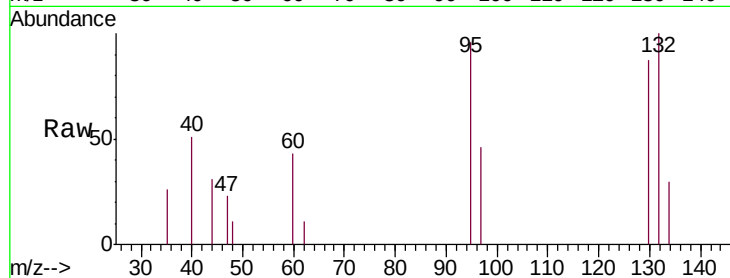
Ion Ratio Lower Upper

95 100

97 48.3 44.2 82.2

132 104.6 67.8 126.0

130 91.6 70.4 130.8

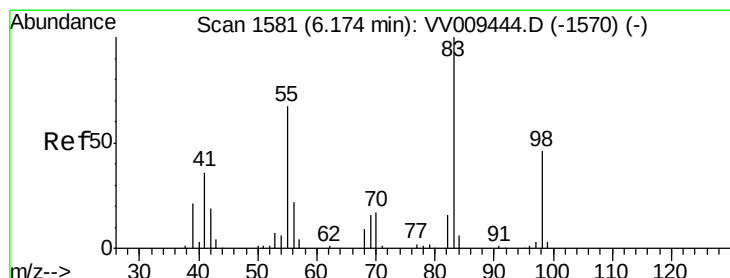
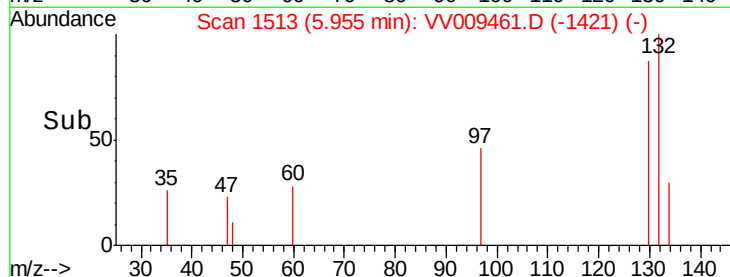
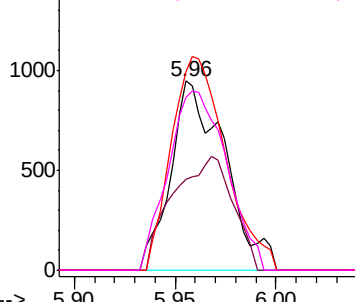


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009461.D

Acq: 01 Mar 2019 17:58

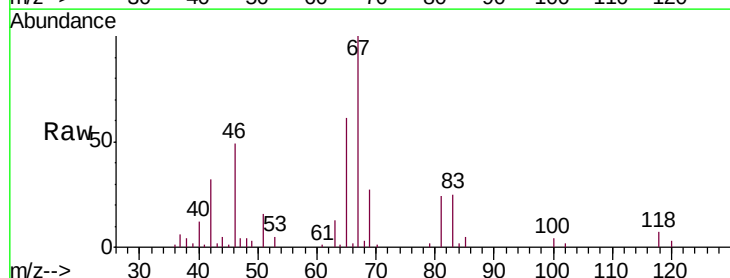
Tgt Ion: 83 Resp: 6705

Ion Ratio Lower Upper

83 100

55 0.6 59.8 89.8#

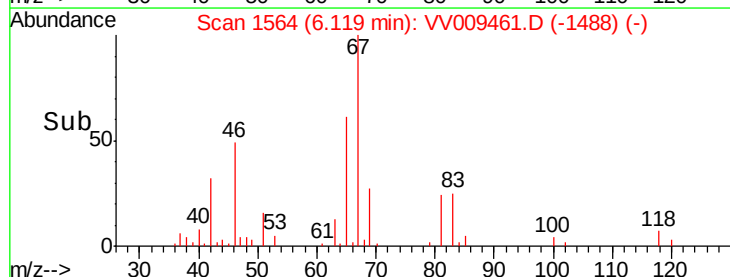
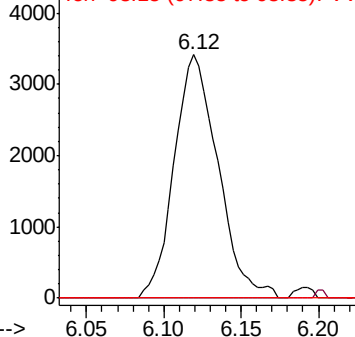
98 0.0 39.9 59.9#

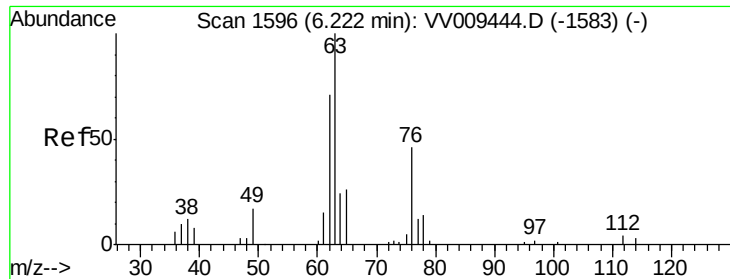


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

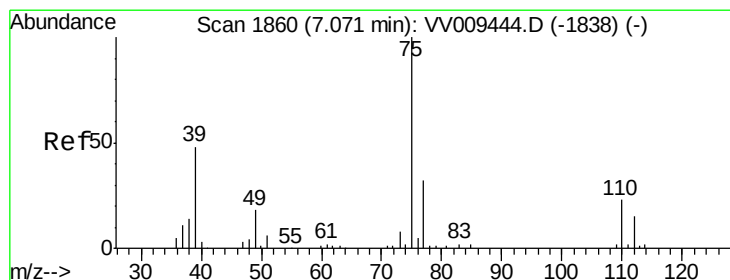
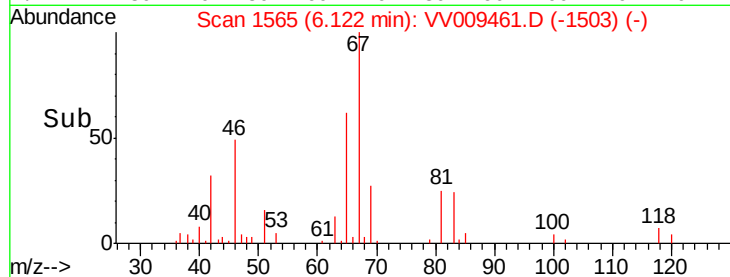
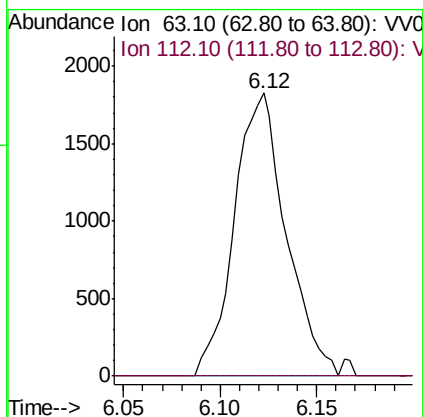
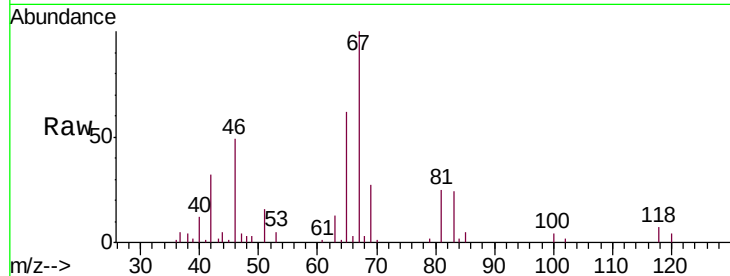
Ion 98.15 (97.85 to 98.85): VV0





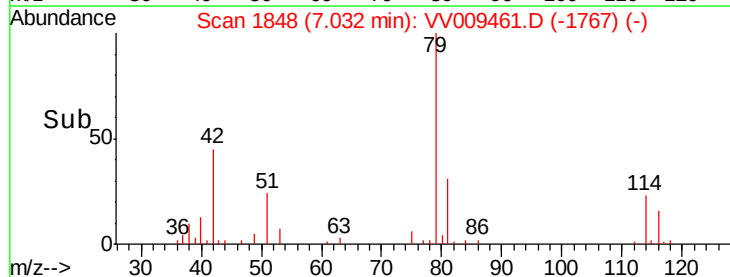
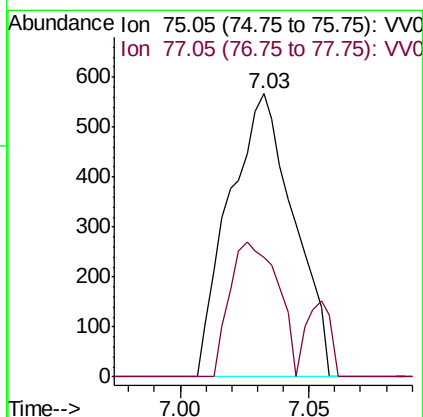
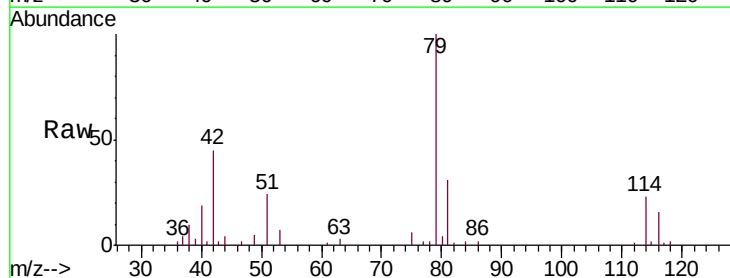
#37
 1,2-Dichloropropane
 Concen: 0.638 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV009461.D
 Acq: 01 Mar 2019 17:58

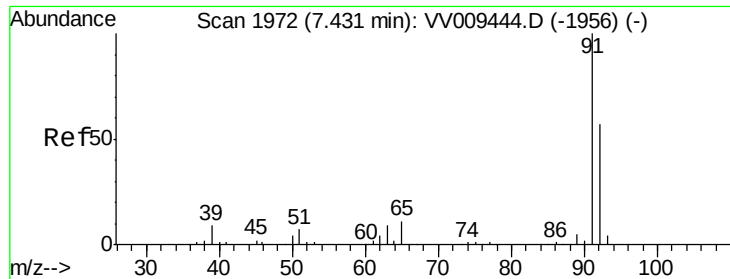
Tgt Ion: 63 Resp: 3394
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009461.D
 Acq: 01 Mar 2019 17:58

Tgt Ion: 75 Resp: 992
 Ion Ratio Lower Upper
 75 100
 77 42.3 21.1 39.1#





#42

Toluene

Concen: 0.785 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009461.D

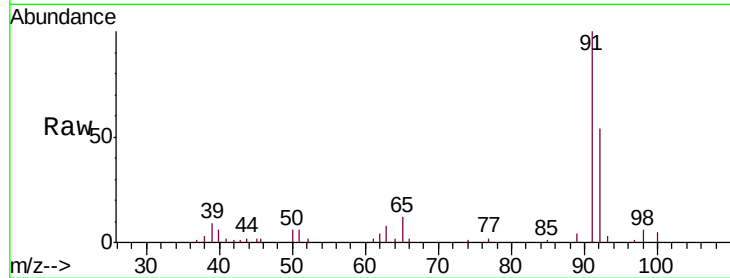
Acq: 01 Mar 2019 17:58

Tgt Ion: 91 Resp: 19459

Ion Ratio Lower Upper

91 100

92 54.2 39.8 73.8

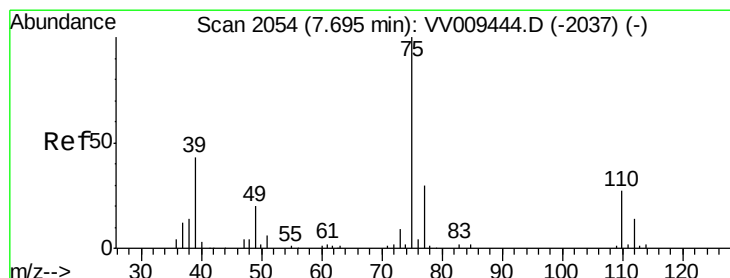
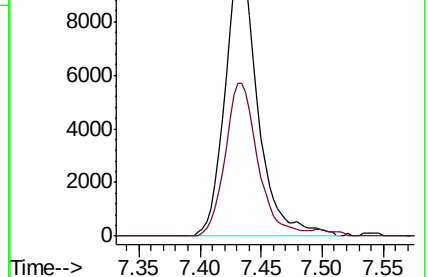
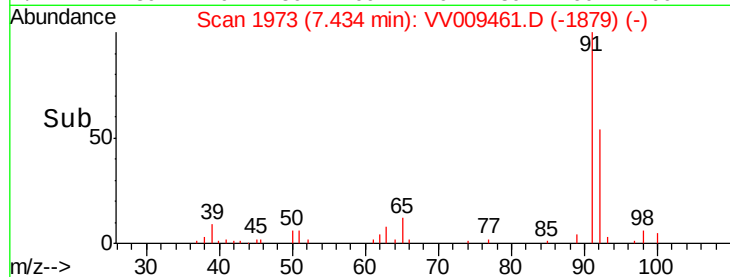


Abundance Ion 91.15 (90.85 to 91.85): VV009444.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV009444.D (-1956) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009461.D

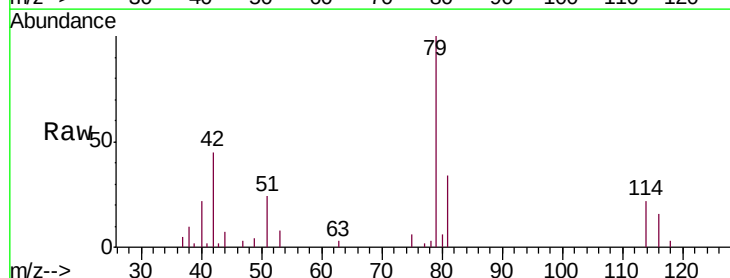
Acq: 01 Mar 2019 17:58

Tgt Ion: 75 Resp: 572

Ion Ratio Lower Upper

75 100

77 40.1 22.2 41.2

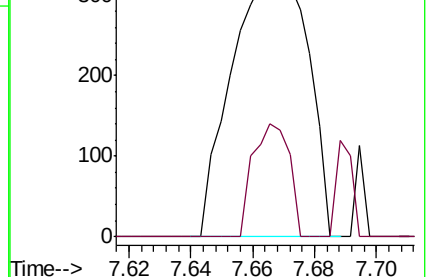
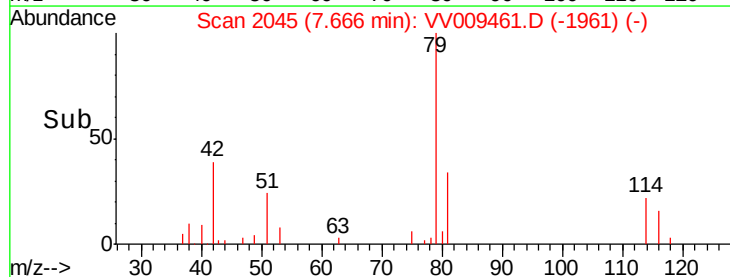


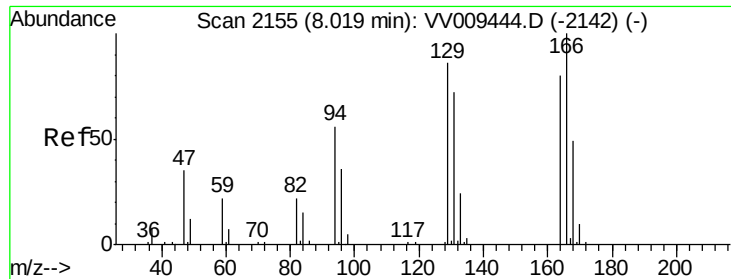
Abundance Ion 75.05 (74.75 to 75.75): VV009444.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV009444.D (-2037) (-)

7.67

Time-->





#47

Tetrachloroethene

Concen: 0.648 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009461.D

Acq: 01 Mar 2019 17:58

Tgt Ion:164 Resp: 3125

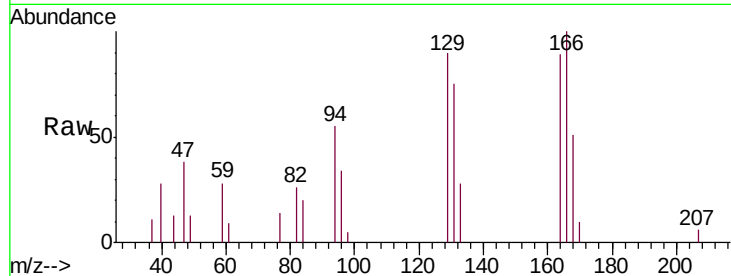
Ion Ratio Lower Upper

164 100

129 101.3 69.3 128.7

131 84.9 64.0 118.8

166 112.5 86.0 159.6

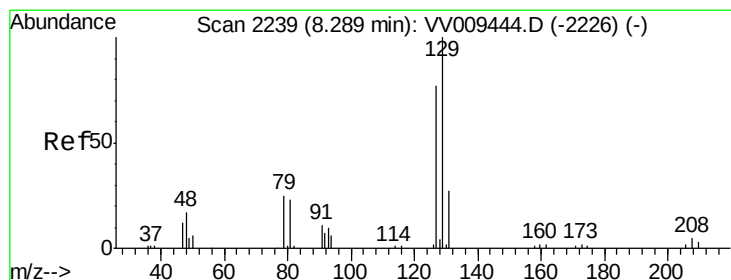
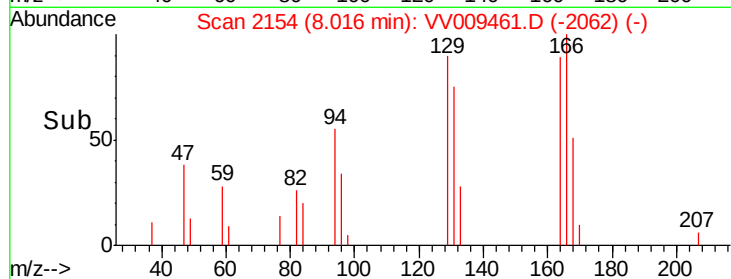
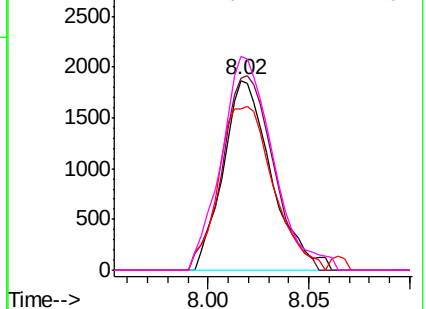


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.661 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009461.D

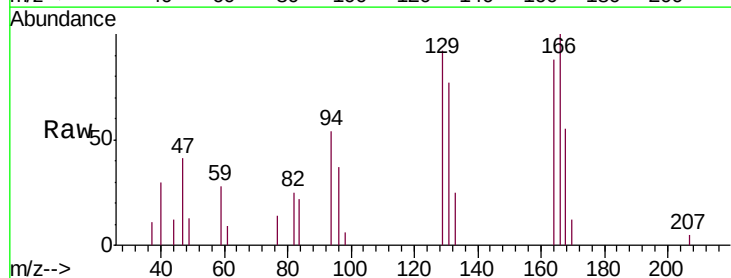
Acq: 01 Mar 2019 17:58

Tgt Ion:129 Resp: 3277

Ion Ratio Lower Upper

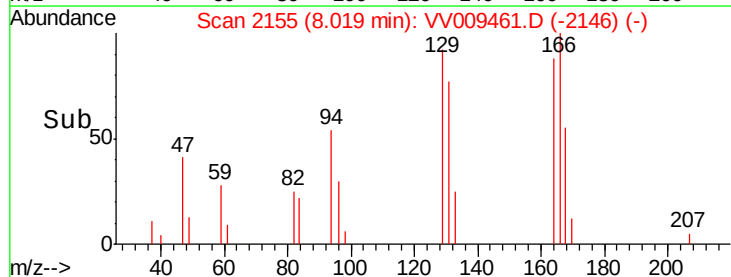
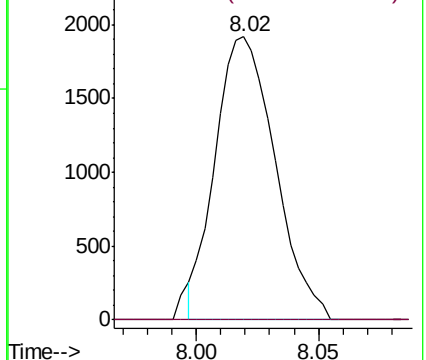
129 100

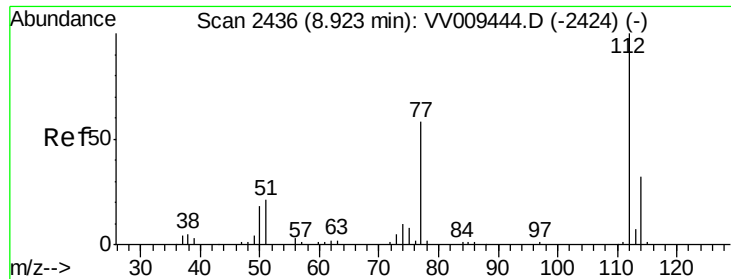
127 0.0 56.6 105.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 0.396 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009461.D

Acq: 01 Mar 2019 17:58

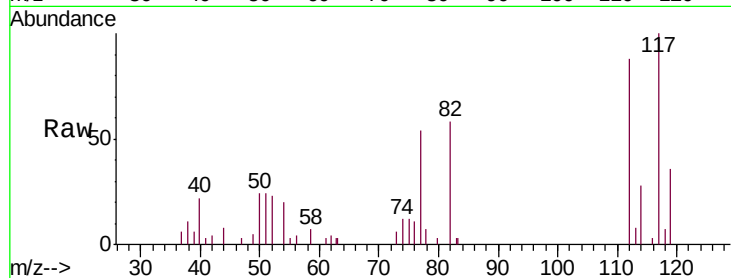
Tgt Ion:112 Resp: 6390

Ion Ratio Lower Upper

112 100

114 31.4 23.2 43.2

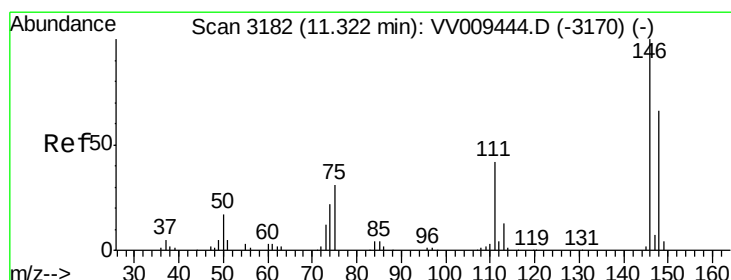
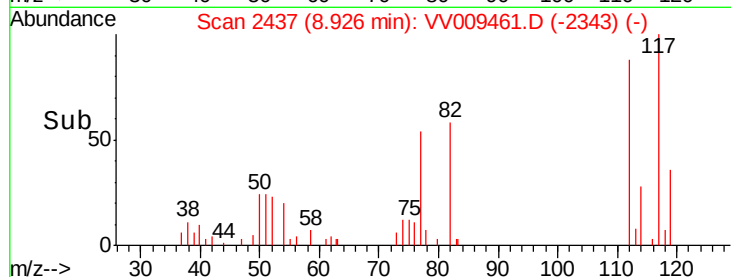
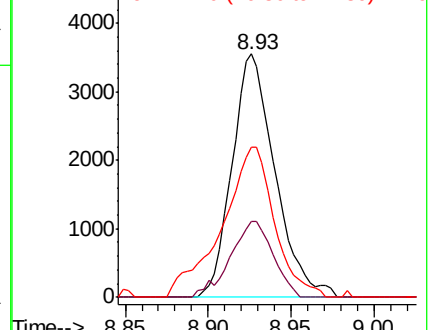
77 61.5 45.7 68.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.167 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009461.D

Acq: 01 Mar 2019 17:58

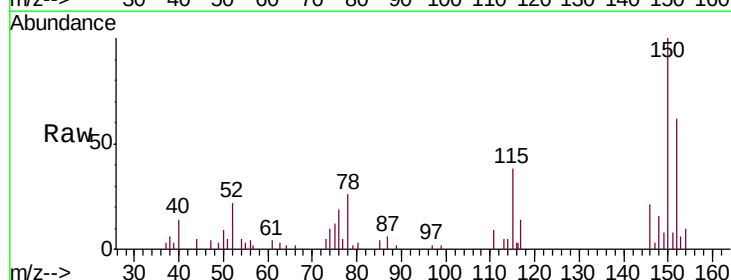
Tgt Ion:146 Resp: 2072

Ion Ratio Lower Upper

146 100

111 42.1 27.2 50.4

148 72.9 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

