

Data File : VV010438.D
Acq On : 23 Apr 2019 05:56
Operator : SY/MD
Sample : K2455-03
Misc : 5.07G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHQ5

Quant Time: Apr 23 07:59:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 07:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	226214	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215768	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	105641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34761	11.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.60%
7) Chloroethane-d5	1.57	69	36774	15.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.68%
10) 1,1-Dichloroethene-d2	2.12	63	61490	10.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	42.28%#
20) 2-Butanone-d5	4.16	46	183	0.25	ug/L	0.23
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.50%#
24) Chloroform-d	4.39	84	111195	20.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.44%
26) 1,2-Dichloroethane-d4	5.08	65	76309	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.00%
29) Benzene-d6	5.09	84	202791	20.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.44%
33) 1,2-Dichloropropane-d6	6.11	67	68224	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.88%
37) Toluene-d8	7.36	98	185133	18.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.16%
38) trans-1,3-Dichloropropene-	7.66	79	24573	16.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.92%
39) 2-Hexanone-d5	8.13	63	20071	34.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58075	20.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	77398	19.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.12%

Target Compounds

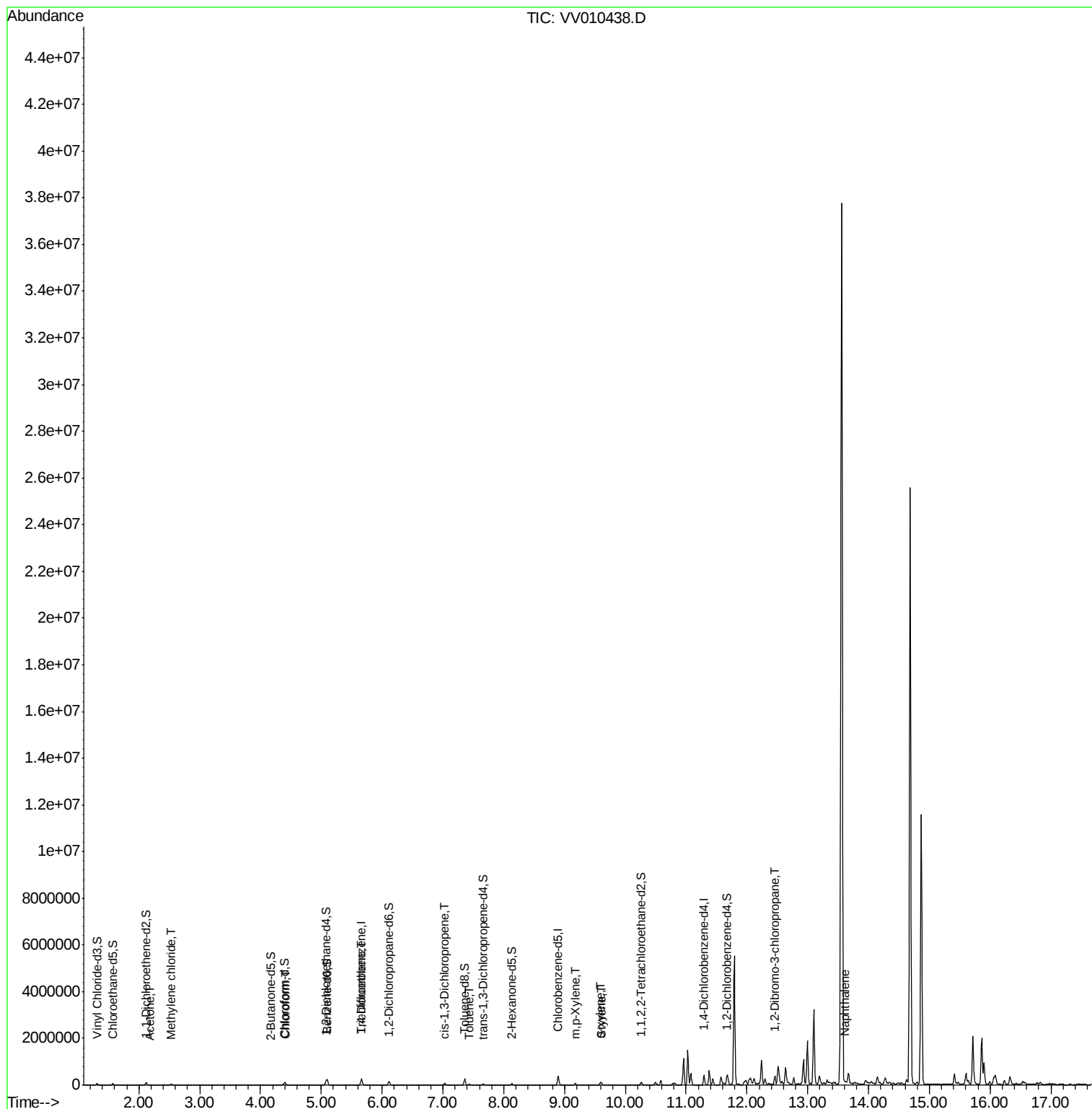
					Qvalue
13) Acetone	2.18	43	5056	6.473 ug/L	82
16) Methylene chloride	2.53	84	16675	5.026 ug/L	93
25) Chloroform	4.42	83	6271	1.159 ug/L #	68
35) Trichloroethene	5.66	95	6502	2.248 ug/L #	4
42) cis-1,3-Dichloropropene	7.03	75	2357	0.608 ug/L #	80
44) Toluene	7.43	91	17397	1.509 ug/L	92
54) m,p-Xylene	9.18	106	19912	3.769 ug/L	90
55) o-xylene	9.59	106	18476	3.511 ug/L	93
56) Styrene	9.60	104	53394	6.150 ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.45	75	1526	3.835 ug/L #	1
69) Naphthalene	13.62	128	42215	7.053 ug/L #	88

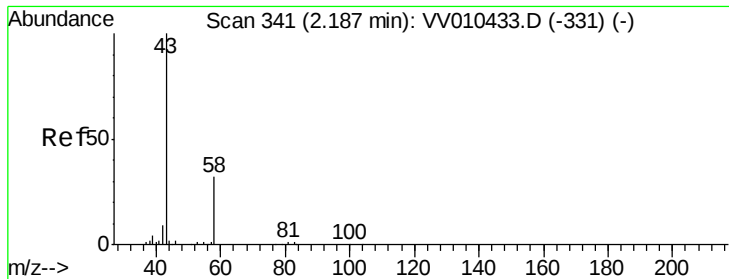
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.473 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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ClientSampleId :

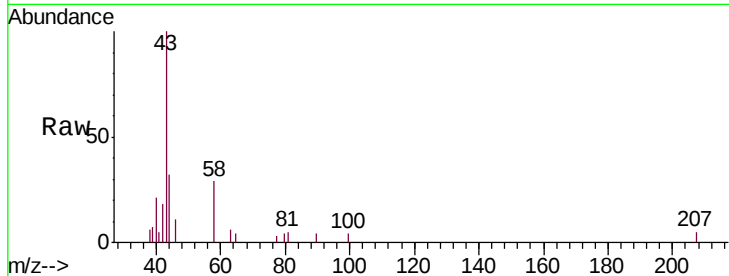
GAHQ5

Tgt Ion: 43 Resp: 5056

Ion Ratio Lower Upper

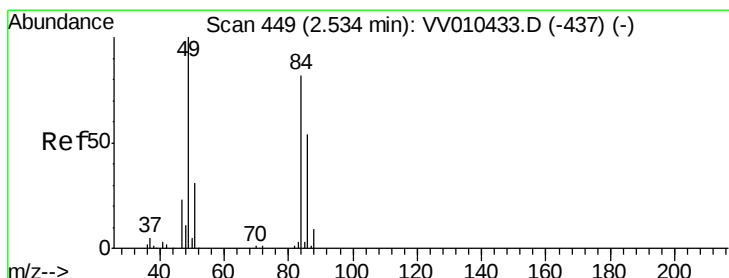
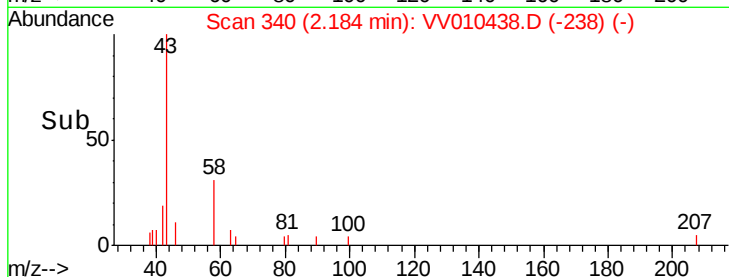
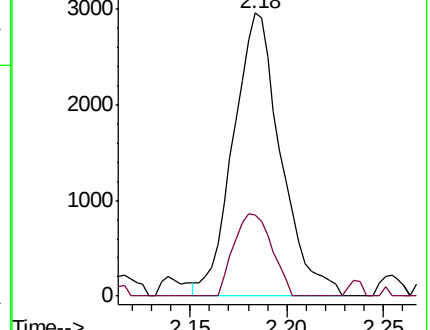
43 100

58 23.3 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010438.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010438.D (-331) (-)



#16

Methylene chloride

Concen: 5.026 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV010438.D

Acq: 23 Apr 2019 05:56

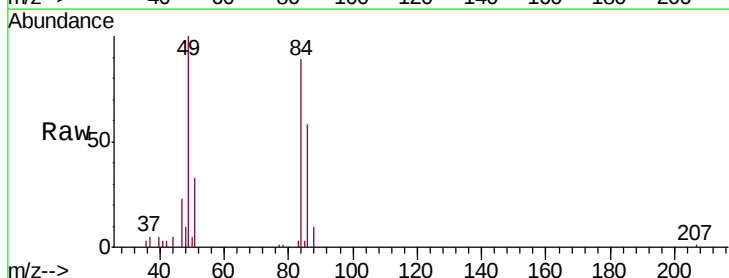
Tgt Ion: 84 Resp: 16675

Ion Ratio Lower Upper

84 100

49 112.6 85.0 158.0

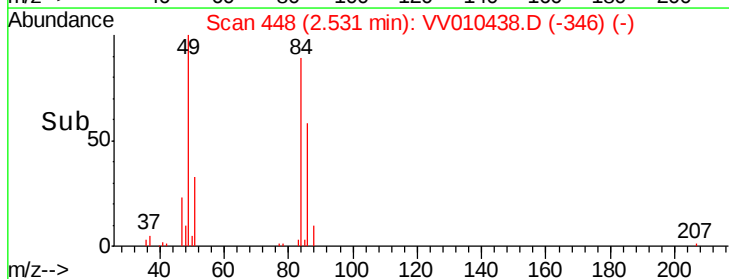
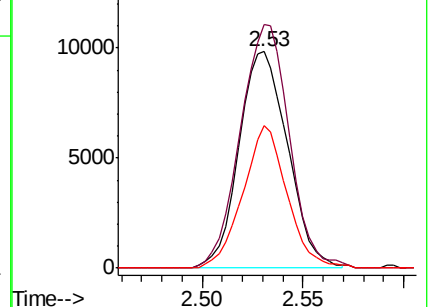
86 65.6 43.9 81.5

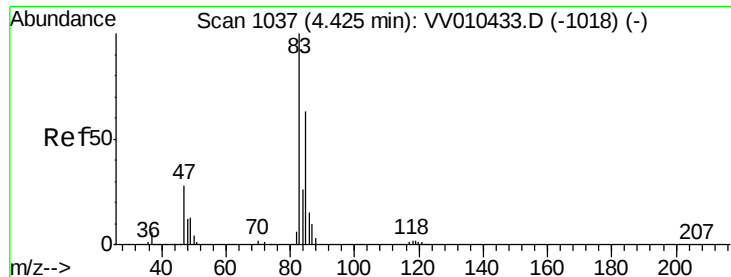


Abundance Ion 84.00 (83.70 to 84.70): VV010438.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV010438.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV010438.D (-346) (-)





#25

Chloroform

Concen: 1.159 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

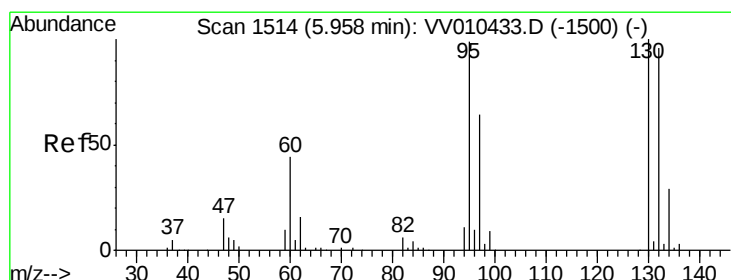
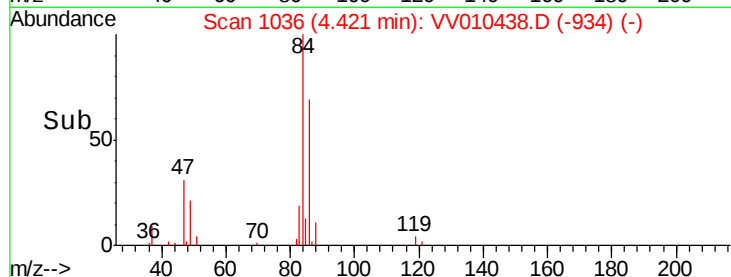
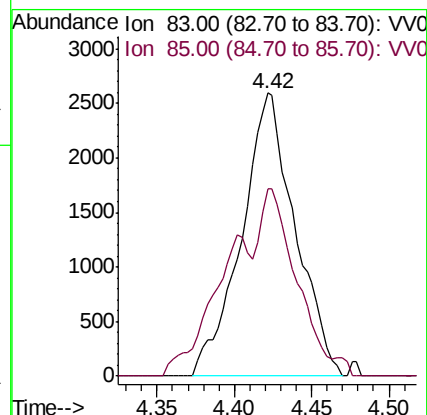
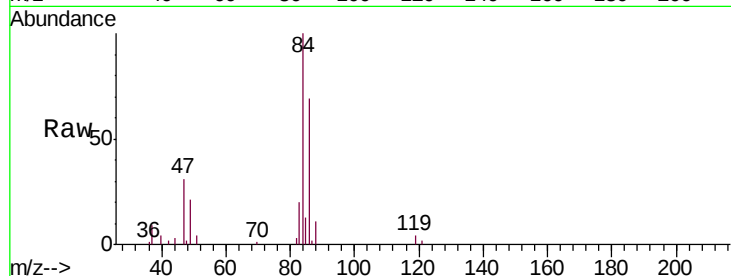
GAHQ5

Tgt Ion: 83 Resp: 6271

Ion Ratio Lower Upper

83 100

85 40.4 46.1 85.5#



#35

Trichloroethene

Concen: 2.248 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV010438.D

Acq: 23 Apr 2019 05:56

Tgt Ion: 95 Resp: 6502

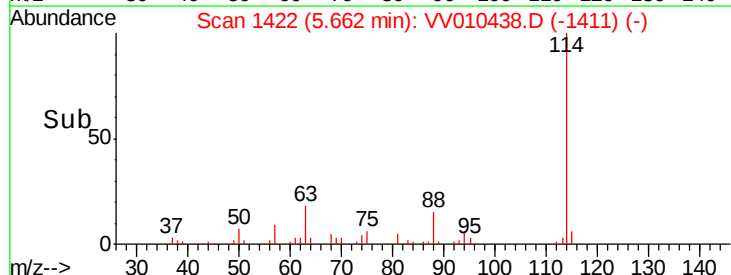
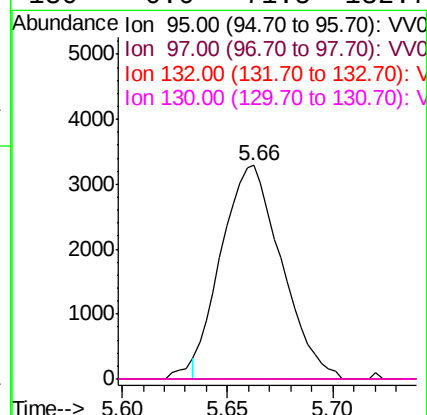
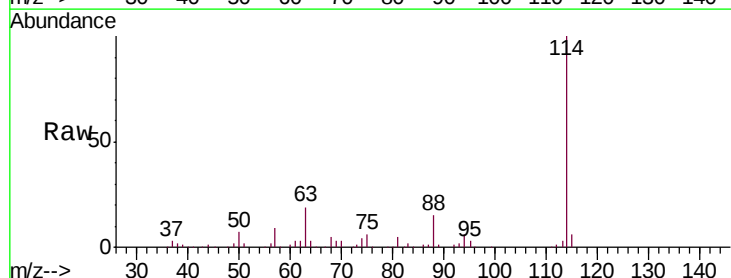
Ion Ratio Lower Upper

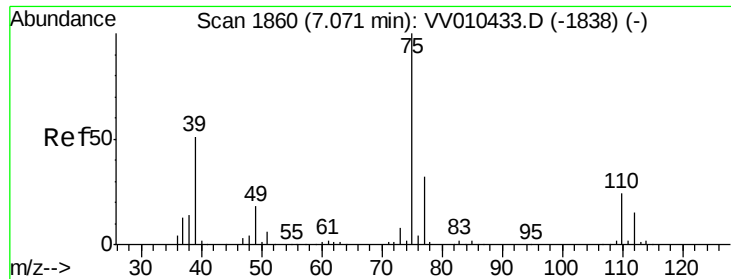
95 100

97 0.0 44.4 82.4#

132 0.0 69.0 128.1#

130 0.0 71.5 132.7#



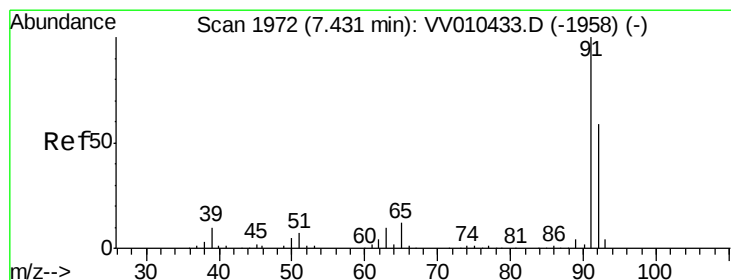
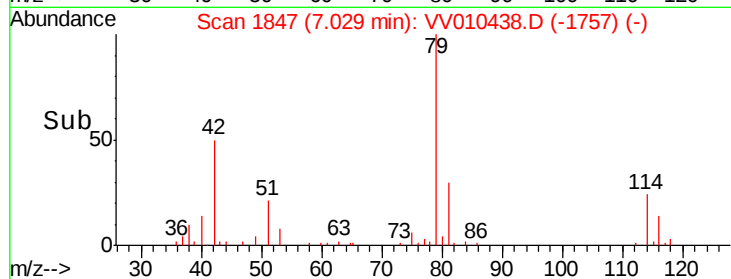
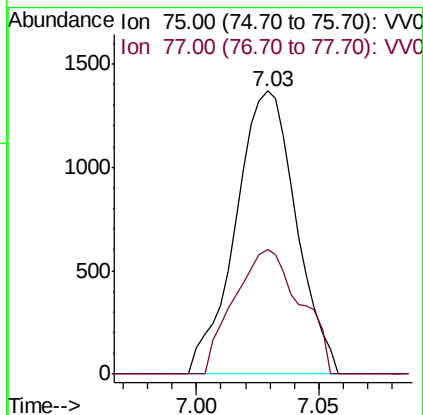
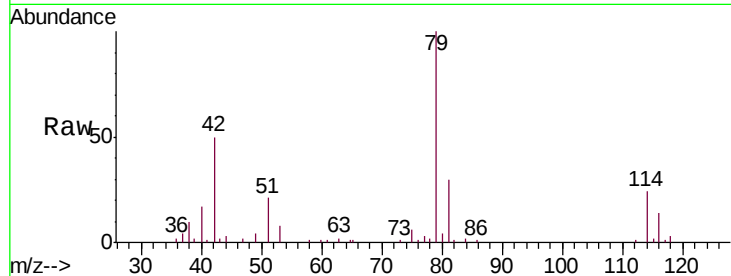


#42

cis-1,3-Dichloropropene
 Concen: 0.608 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010438.D
 Acq: 23 Apr 2019 05:56

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHQ5

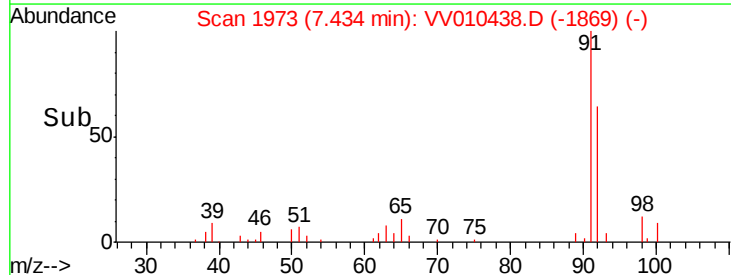
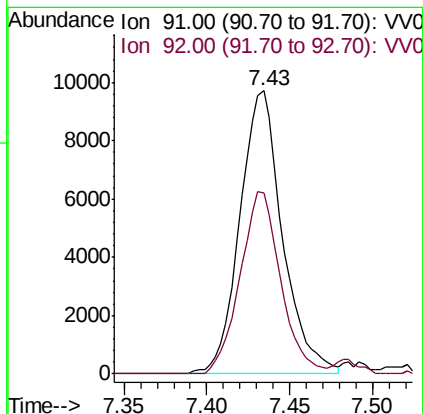
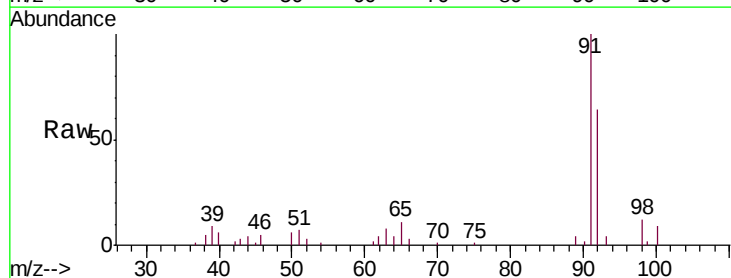
Tgt Ion: 75 Resp: 2357
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.9 42.5#

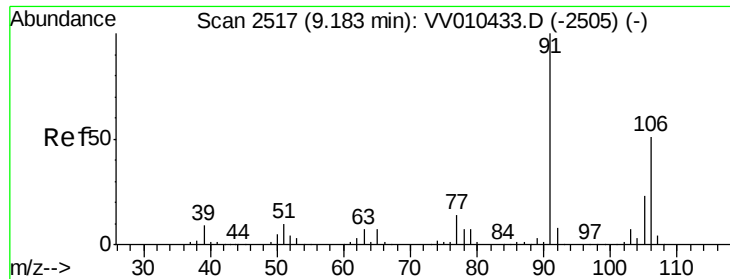


#44

Toluene
 Concen: 1.509 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV010438.D
 Acq: 23 Apr 2019 05:56

Tgt Ion: 91 Resp: 17397
 Ion Ratio Lower Upper
 91 100
 92 64.1 40.5 75.1





#54

m,p-Xylene

Concen: 3.769 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010438.D

Acq: 23 Apr 2019 05:56

Instrument :

MSVOA_V

ClientSampleId :

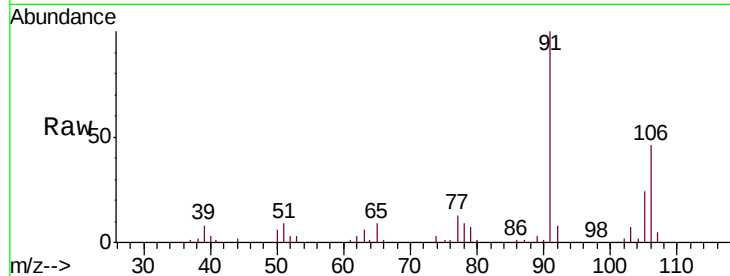
GAHQ5

Tgt Ion:106 Resp: 19912

Ion Ratio Lower Upper

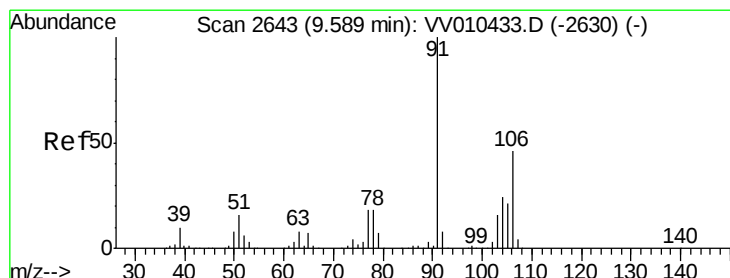
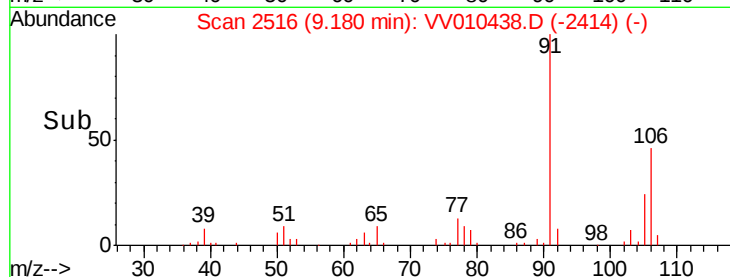
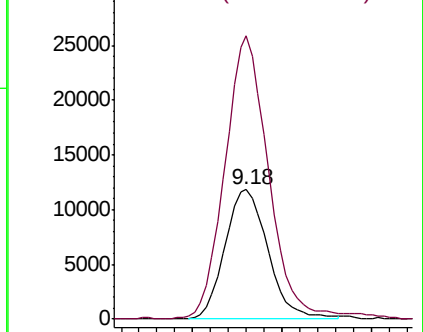
106 100

91 218.8 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 3.511 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010438.D

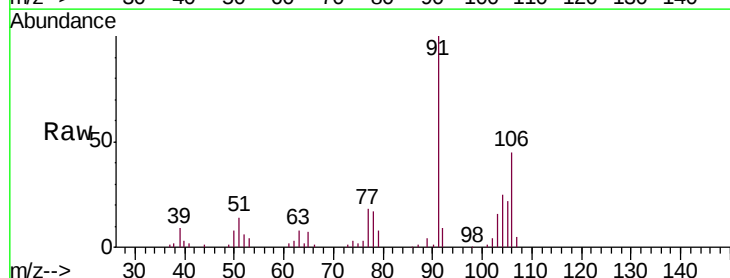
Acq: 23 Apr 2019 05:56

Tgt Ion:106 Resp: 18476

Ion Ratio Lower Upper

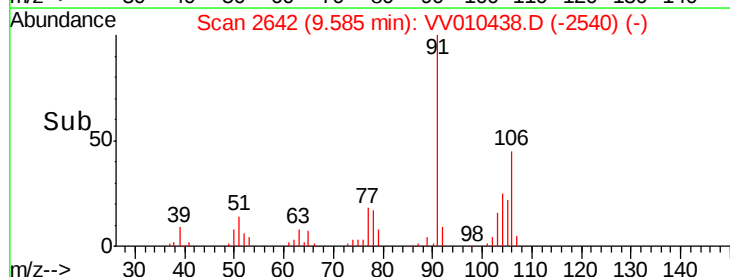
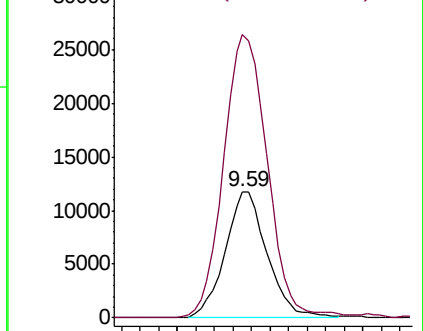
106 100

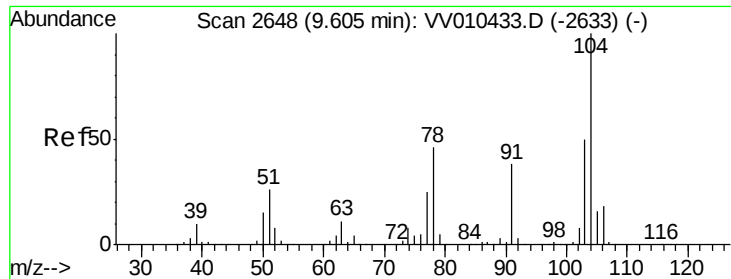
91 224.0 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 6.150 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010438.D

Acq: 23 Apr 2019 05:56

Instrument :

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ClientSampleId :

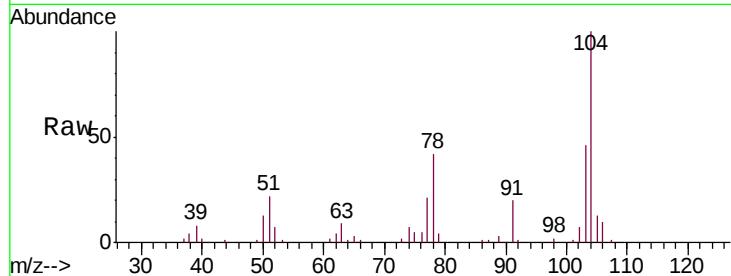
GAHQ5

Tgt Ion:104 Resp: 53394

Ion Ratio Lower Upper

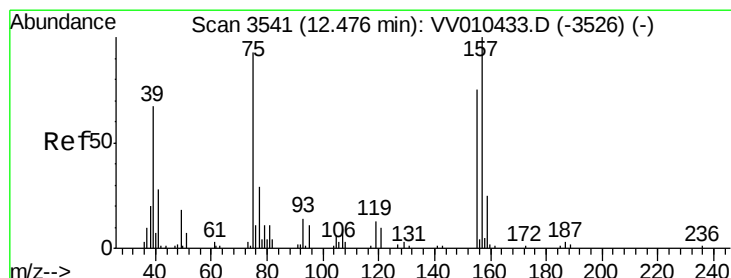
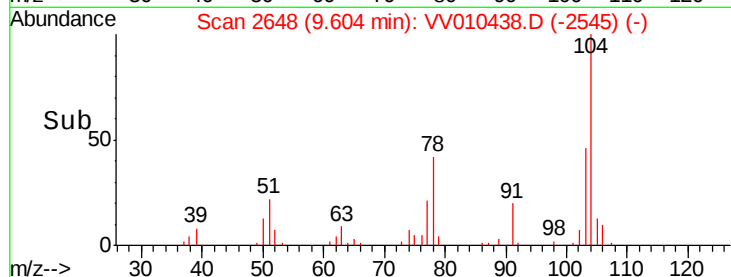
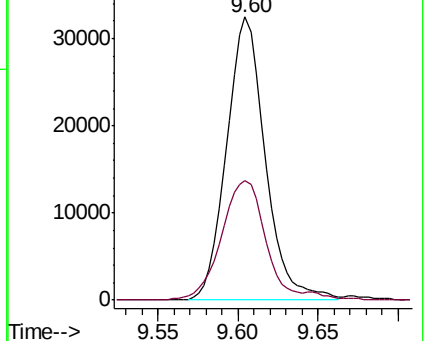
104 100

78 42.1 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 3.835 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.02 min

Lab File: VV010438.D

Acq: 23 Apr 2019 05:56

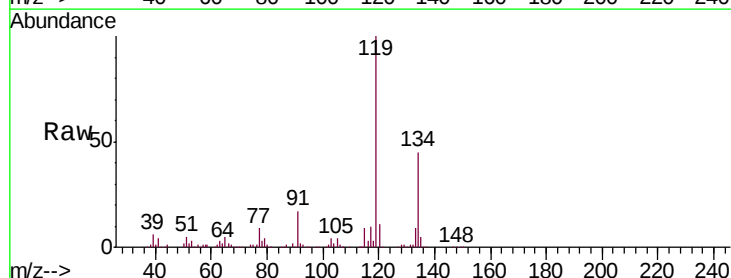
Tgt Ion: 75 Resp: 1526

Ion Ratio Lower Upper

75 100

157 0.0 88.2 132.2#

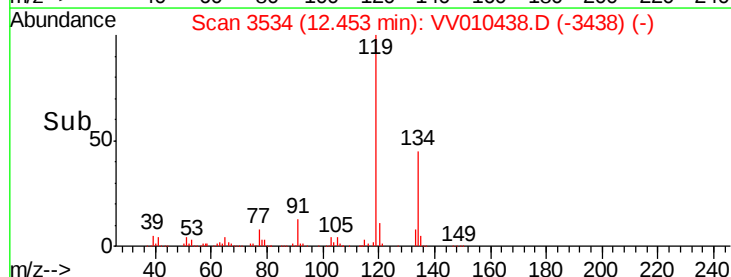
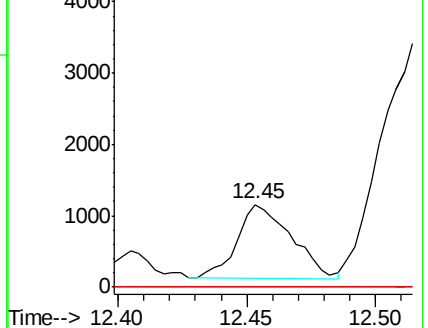
155 0.0 66.4 99.6#

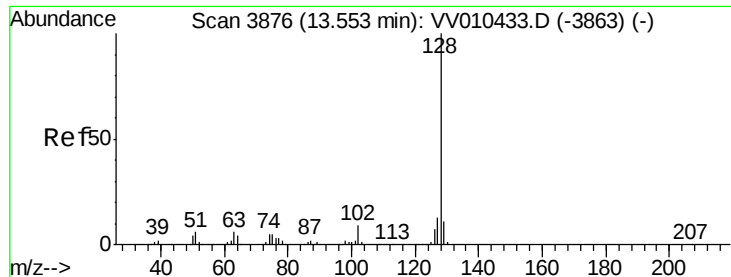


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 7.053 ug/L

RT: 13.62 min Scan# 3896

Delta R.T. 0.06 min

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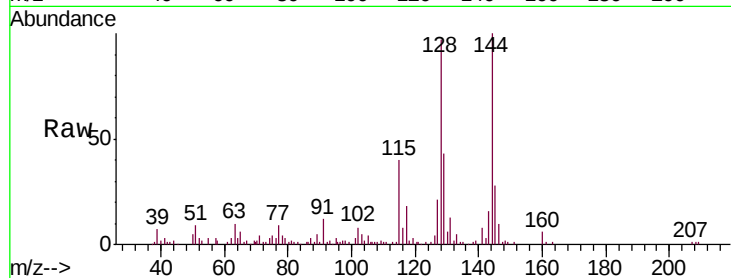
Tgt Ion:128 Resp: 42215

Ion Ratio Lower Upper

128 100

129 19.7 8.4 12.6#

127 11.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

