

Data File : VV010392.D
Acq On : 19 Apr 2019 19:32
Operator : SY/MD
Sample : K2456-07
Misc : 5.09G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

Quant Time: Apr 20 04:37:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	416430	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	376820	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	185557	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108026	20.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.72%
7) Chloroethane-d5	1.58	69	97506	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.80%
10) 1,1-Dichloroethene-d2	2.13	63	177640	13.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.68%
20) 2-Butanone-d5	3.94	46	52933	32.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.28%
24) Chloroform-d	4.40	84	204788	18.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.84%
26) 1,2-Dichloroethane-d4	5.08	65	132327	20.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.92%
29) Benzene-d6	5.10	84	411023	21.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.24%
33) 1,2-Dichloropropane-d6	6.12	67	125413	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.88%
37) Toluene-d8	7.36	98	396178	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.48%
38) trans-1,3-Dichloropropene-	7.66	79	52584	18.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.76%
39) 2-Hexanone-d5	8.13	63	46150	36.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	99636	17.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	154618	21.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.76%

Target Compounds

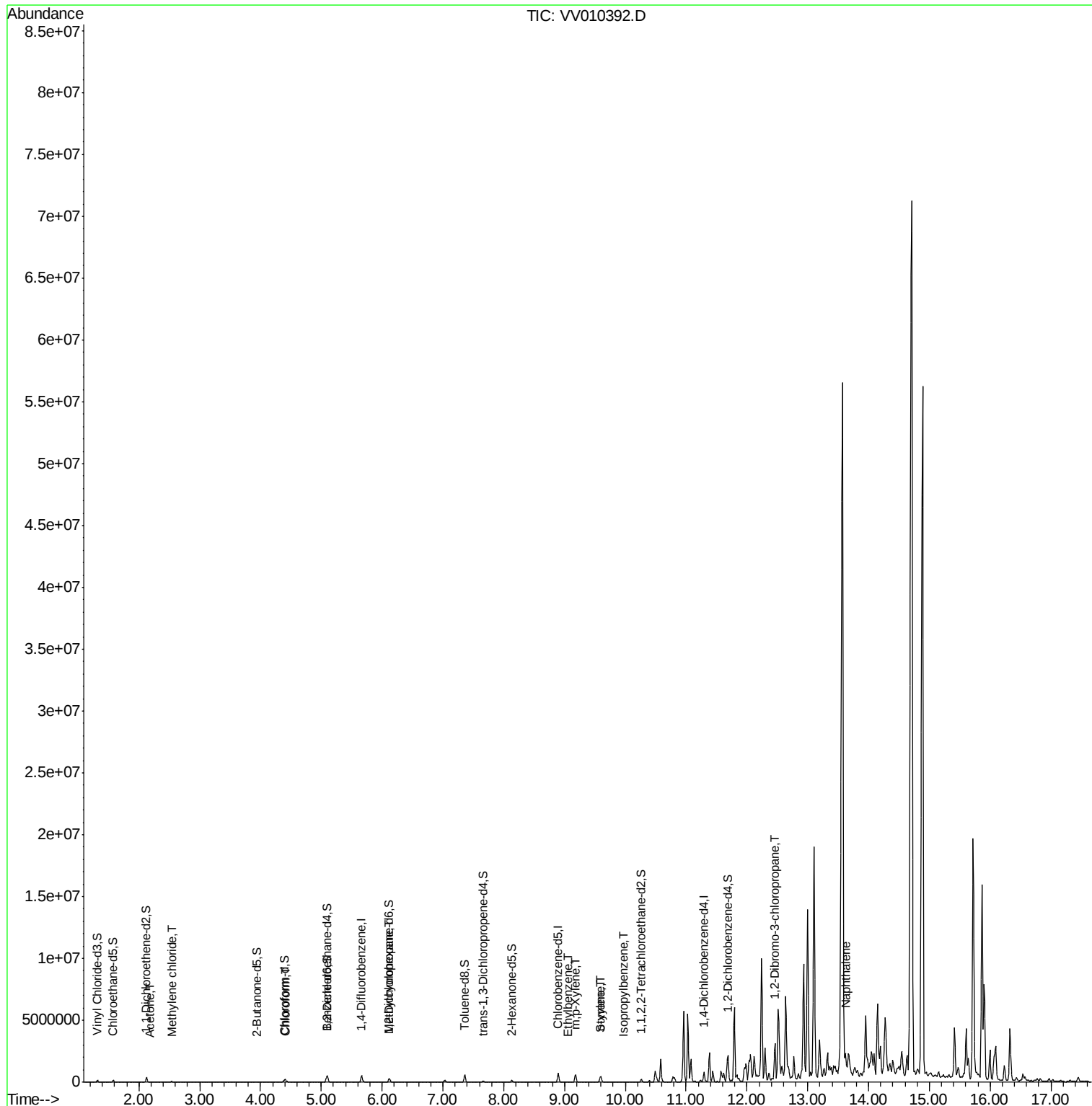
					Qvalue
13) Acetone	2.19	43	9512	5.473 ug/L	97
16) Methylene chloride	2.54	84	26237	3.945 ug/L	99
25) Chloroform	4.43	83	21770	2.131 ug/L #	66
36) Methylcyclohexane	6.12	83	31279	3.948 ug/L #	22
53) Ethylbenzene	9.06	91	23115	0.981 ug/L	98
54) m,p-Xylene	9.18	106	165570	18.161 ug/L	100
55) o-xylene	9.59	106	99654	11.334 ug/L	93
56) Styrene	9.60	104	120639	8.035 ug/L	90
57) Isopropylbenzene	9.97	105	18514	0.790 ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.46	75	10129	11.600 ug/L #	1
69) Naphthalene	13.62	128	355404	25.585 ug/L #	27

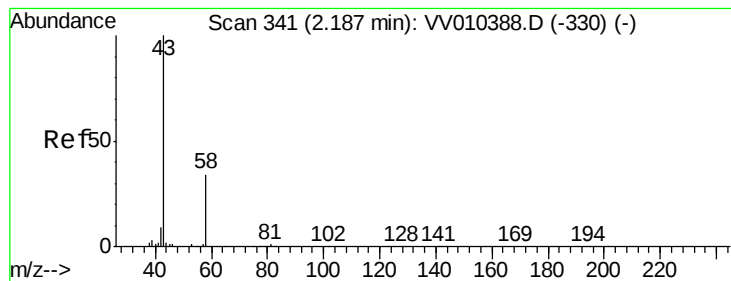
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.473 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

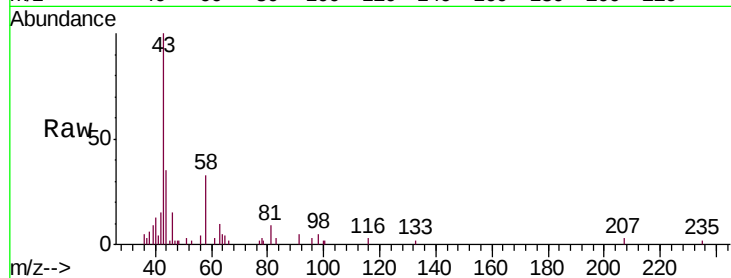
GAHP5

Tgt Ion: 43 Resp: 9512

Ion Ratio Lower Upper

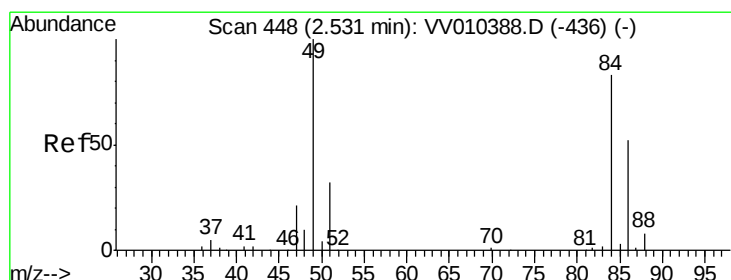
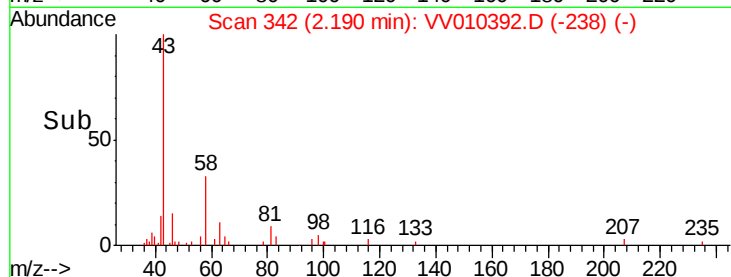
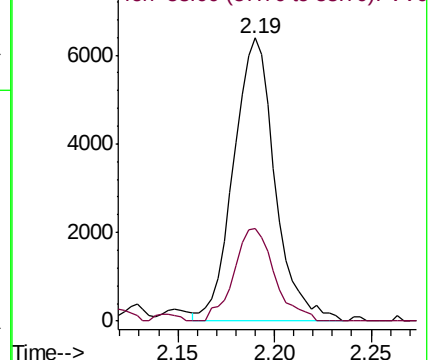
43 100

58 31.9 0.0 60.0



Abundance Ion 43.00 (42.70 to 43.70): VV010388.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010388.D (-330) (-)



#16

Methylene chloride

Concen: 3.945 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV010392.D

Acq: 19 Apr 2019 19:32

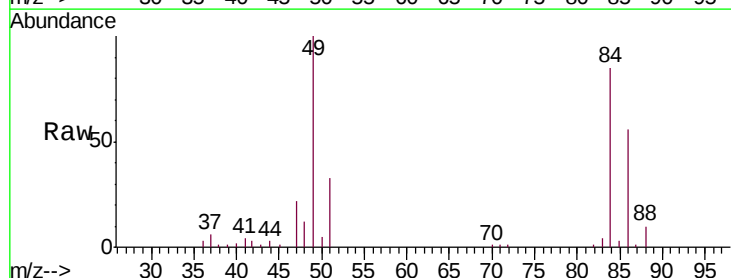
Tgt Ion: 84 Resp: 26237

Ion Ratio Lower Upper

84 100

49 117.3 83.8 155.6

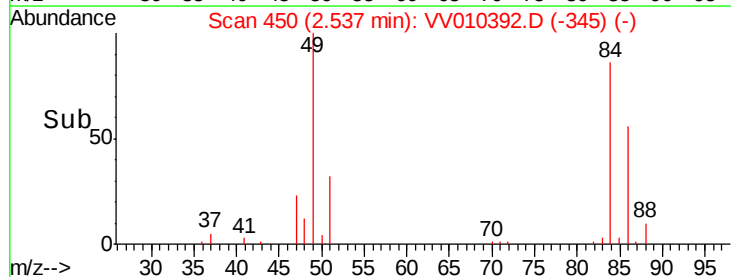
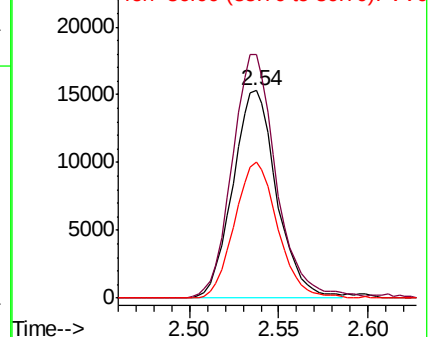
86 65.6 46.1 85.5

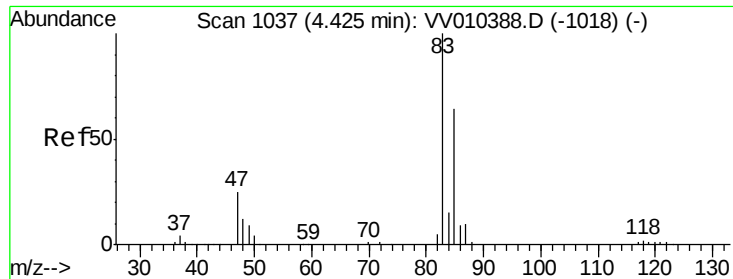


Abundance Ion 84.00 (83.70 to 84.70): VV010388.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV010388.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV010388.D (-436) (-)

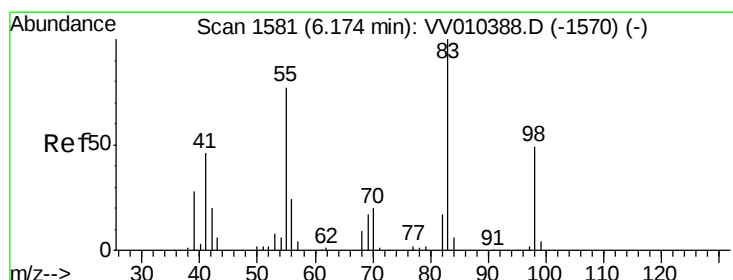
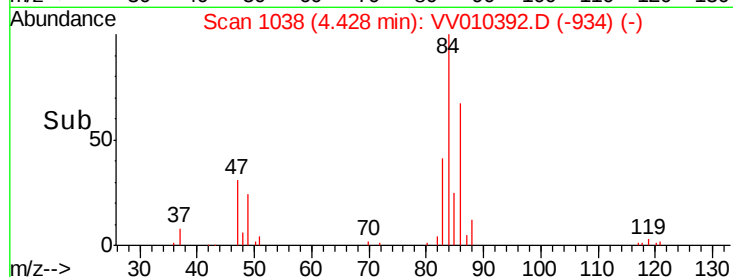
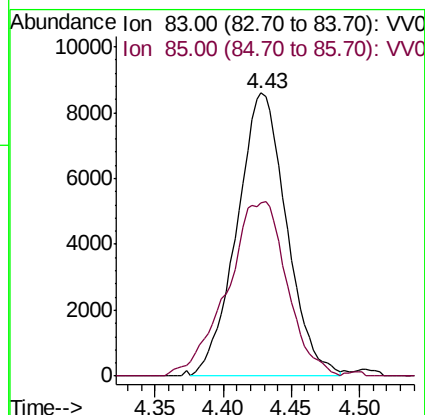
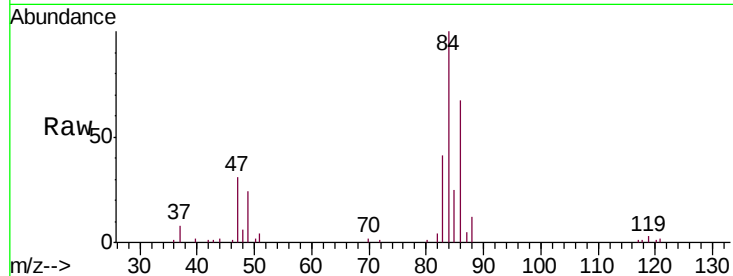




#25
Chloroform
Concen: 2.131 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

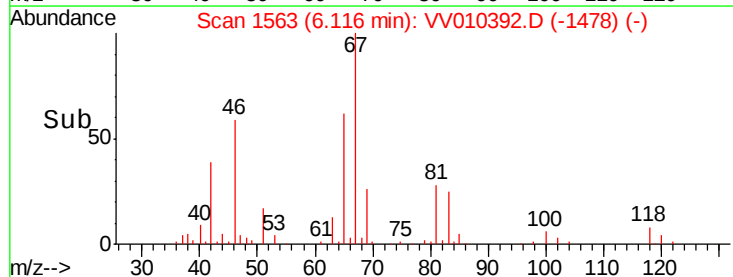
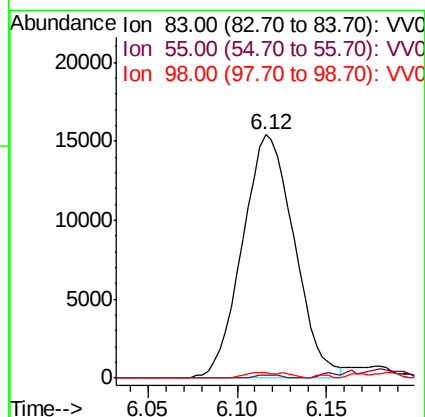
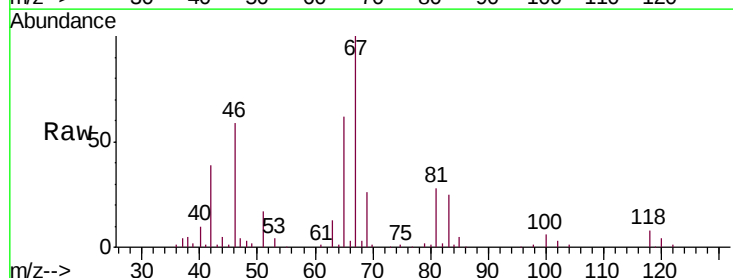
Instrument :
MSVOA_V
ClientSampleId :
GAHP5

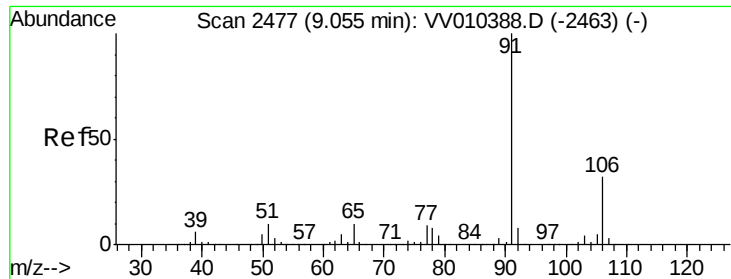
Tgt Ion: 83 Resp: 21770
Ion Ratio Lower Upper
83 100
85 39.0 46.5 86.5#



#36
Methylcyclohexane
Concen: 3.948 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

Tgt Ion: 83 Resp: 31279
Ion Ratio Lower Upper
83 100
55 0.6 55.9 83.9#
98 1.2 37.3 55.9#

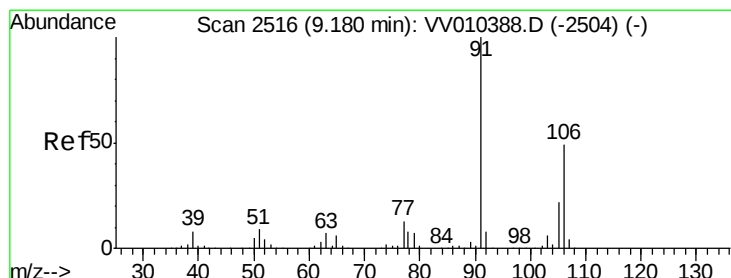
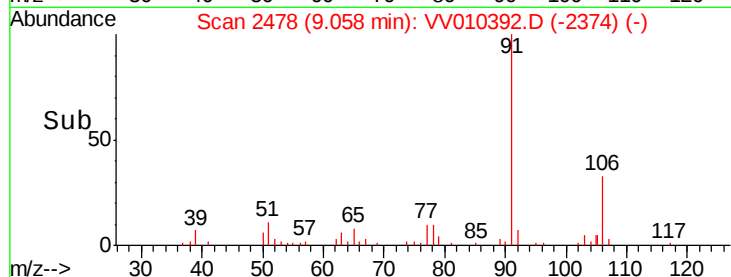
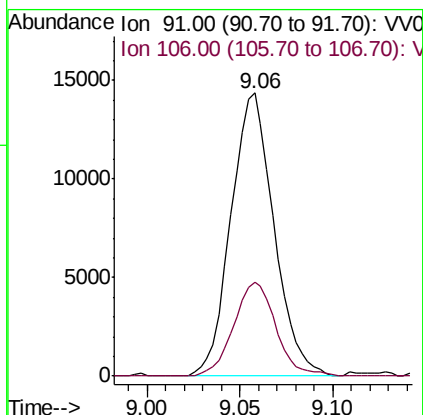
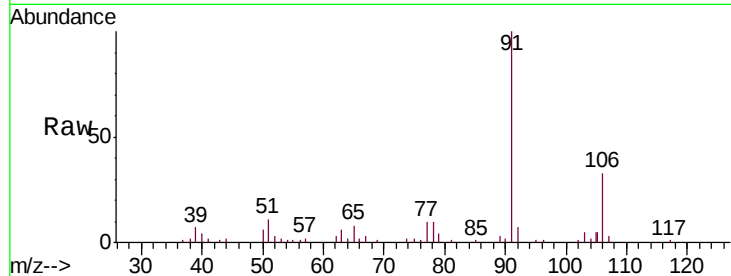




#53
Ethylbenzene
Concen: 0.981 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

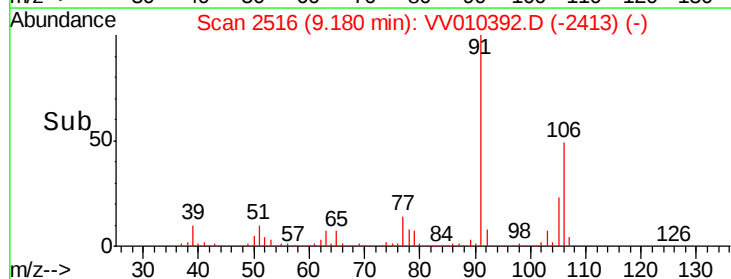
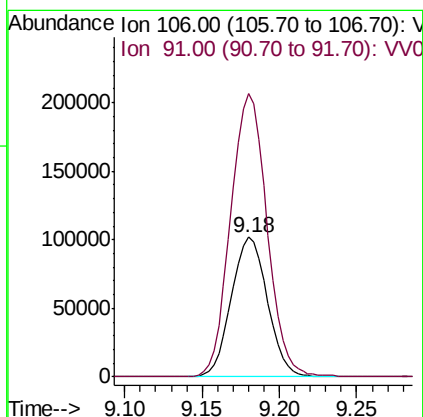
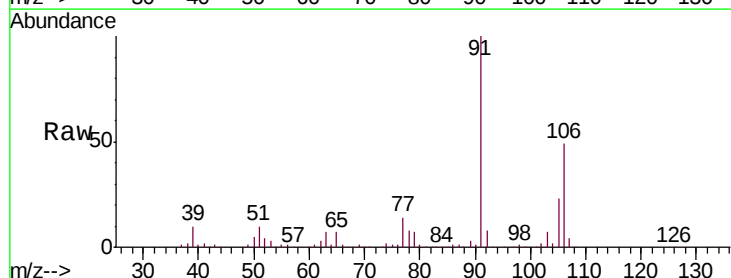
Instrument :
MSVOA_V
ClientSampleId :
GAHP5

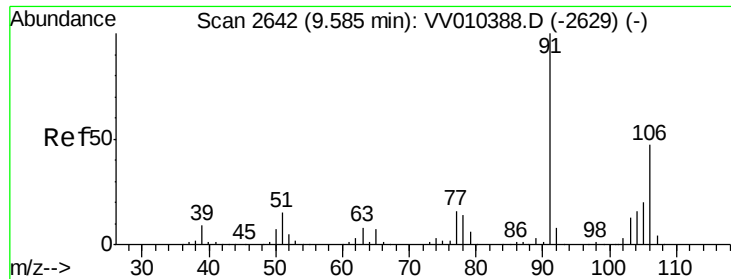
Tgt Ion: 91 Resp: 23115
Ion Ratio Lower Upper
91 100
106 33.3 22.5 41.9



#54
m,p-Xylene
Concen: 18.161 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

Tgt Ion: 106 Resp: 165570
Ion Ratio Lower Upper
106 100
91 202.6 141.6 263.0

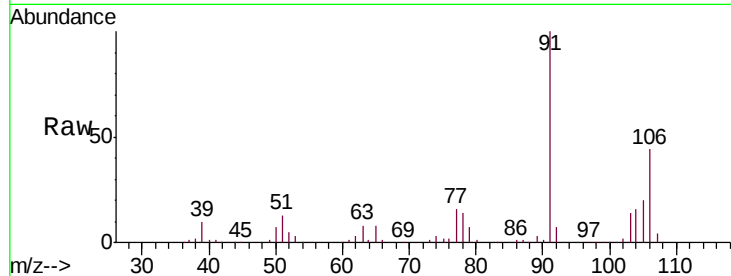




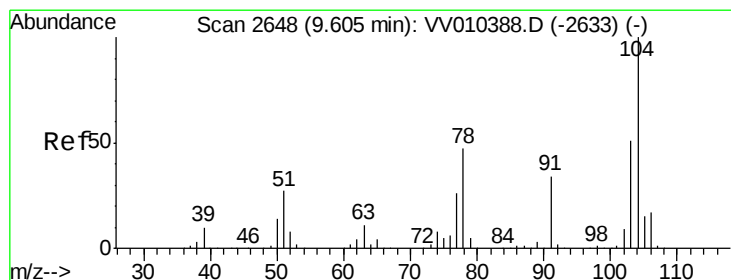
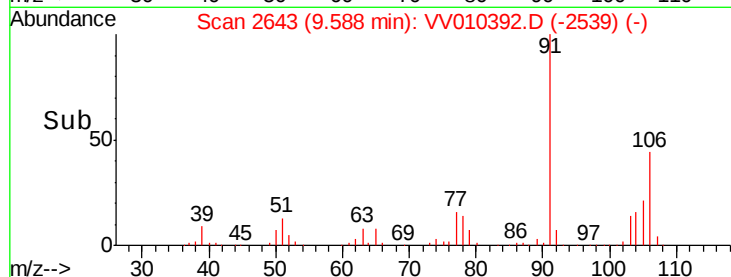
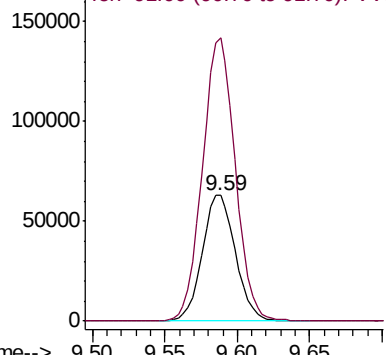
#55
o-xylene
Concen: 11.334 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :
GAHP5

Tgt Ion:106 Resp: 99654
Ion Ratio Lower Upper
106 100
91 225.1 150.1 278.9

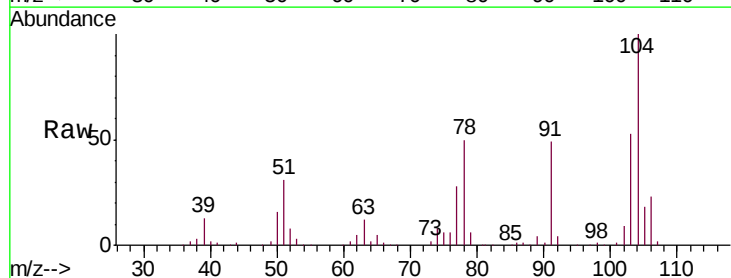


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

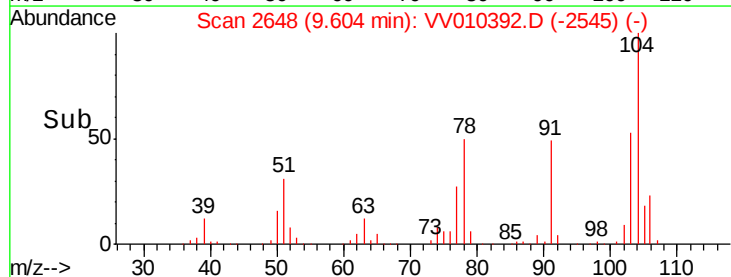
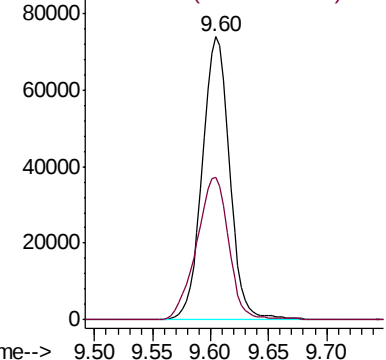


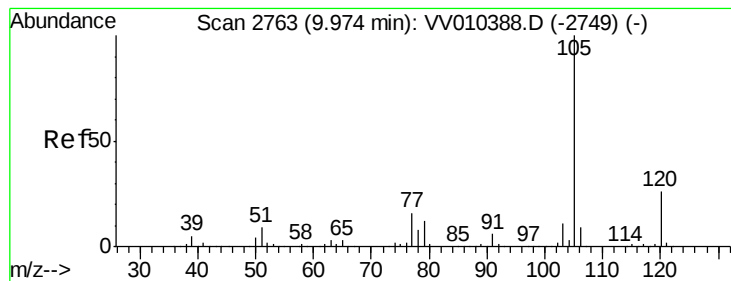
#56
Styrene
Concen: 8.035 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010392.D
Acq: 19 Apr 2019 19:32

Tgt Ion:104 Resp: 120639
Ion Ratio Lower Upper
104 100
78 50.3 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.790 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010392.D

Acq: 19 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

GAHP5

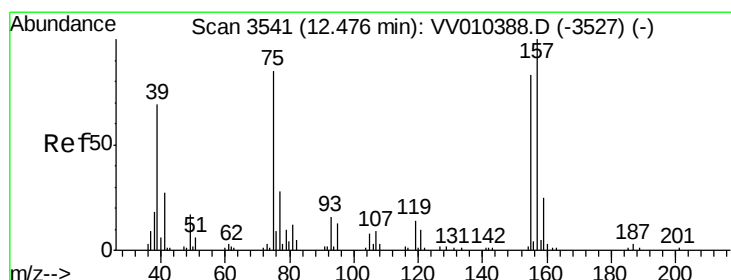
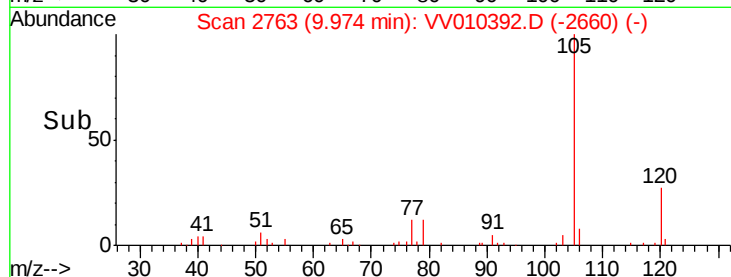
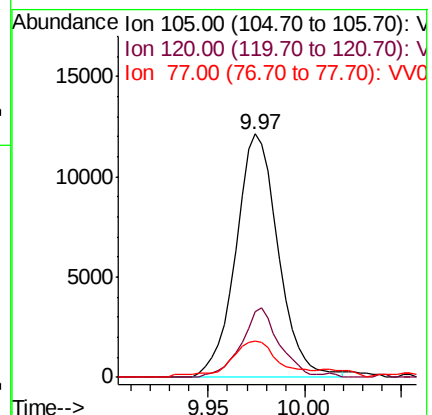
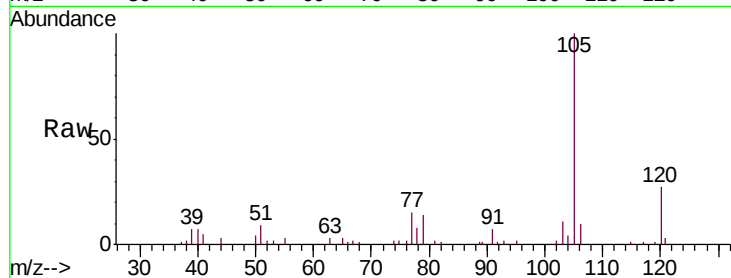
Tgt Ion: 105 Resp: 18514

Ion Ratio Lower Upper

105 100

120 25.3 21.9 32.9

77 13.1 13.0 19.6



#66

1,2-Dibromo-3-chloropropane

Concen: 11.600 ug/L

RT: 12.46 min Scan# 3536

Delta R.T. -0.02 min

Lab File: VV010392.D

Acq: 19 Apr 2019 19:32

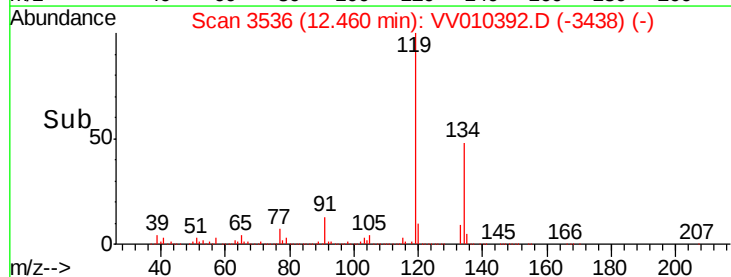
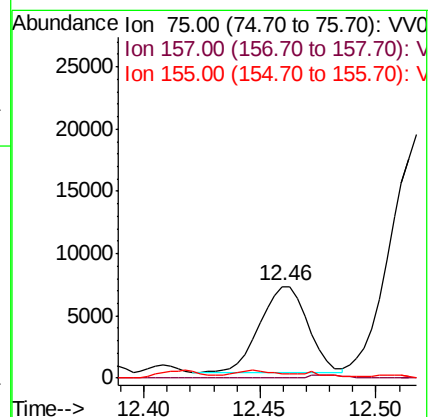
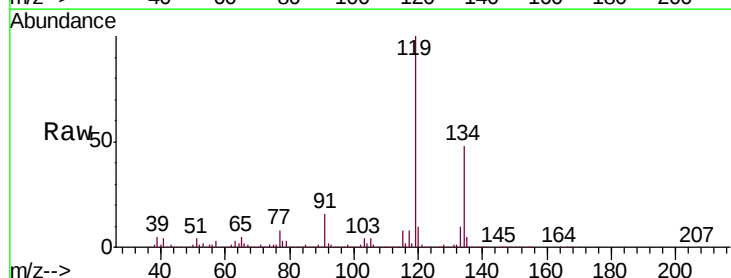
Tgt Ion: 75 Resp: 10129

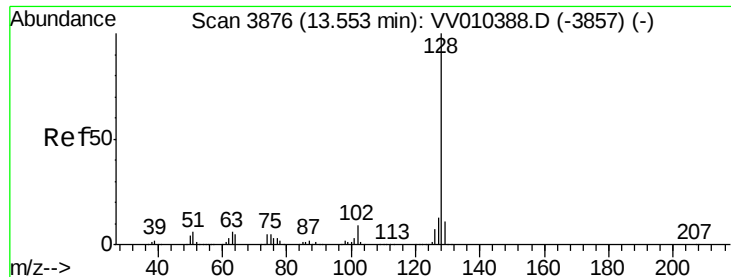
Ion Ratio Lower Upper

75 100

157 0.0 100.6 151.0#

155 5.1 75.1 112.7#





#69

Naphthalene

Concen: 25.585 ug/L

RT: 13.62 min Scan# 3897

Delta R.T. 0.07 min

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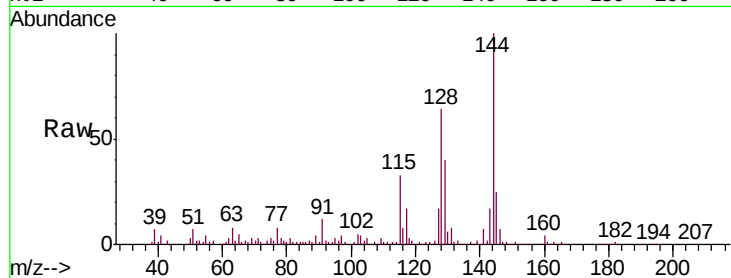
Tgt Ion:128 Resp: 355404

Ion Ratio Lower Upper

128 100

129 60.0 8.7 13.1#

127 24.5 10.7 16.1#



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

