

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010121.D
 Acq On : 24 Apr 2019 21:03
 Operator : SY/VA
 Sample : K2481-20
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX3

Quant Time: Apr 25 01:40:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 01:36:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	655303	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	446880	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	85057	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100651	16.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.28%
7) Chloroethane-d5	2.89	69	92527	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
10) 1,1-Dichloroethene-d2	4.00	63	225494	12.27	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.08%
20) 2-Butanone-d5	7.07	46	125359	42.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.76%
24) Chloroform-d	7.64	84	325901	18.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.72%
26) 1,2-Dichloroethane-d4	8.31	65	212643	20.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.36%
29) Benzene-d6	8.27	84	669201	26.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.76%
33) 1,2-Dichloropropane-d6	9.27	67	217591	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	10.32	98	504073	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.72%
38) trans-1,3-Dichloropropene-	10.57	79	75562	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.12%
39) 2-Hexanone-d5	10.93	63	92202	55.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103165	15.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	71775	22.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.16%

Target Compounds

					Qvalue
13) Acetone	4.12	43	57152	25.601 ug/L	99
14) Carbon disulfide	4.36	76	14620	0.594 ug/L #	87
16) Methylene chloride	4.90	84	38189	4.158 ug/L	96
21) 2-Butanone	7.18	43	16808	4.856 ug/L	92
25) Chloroform	7.68	83	37059	2.199 ug/L	86
34) Benzene	8.32	78	801190	29.475 ug/L	100
44) Toluene	10.38	91	3853342	133.916 ug/L	98
49) 2-Hexanone	10.93	43	22884	5.991 ug/L #	54
53) Ethylbenzene	11.73	91	959427	29.708 ug/L	98
54) m,p-Xylene	11.84	106	1242901	104.044 ug/L	98
55) o-xylene	12.16	106	1593308	140.653 ug/L	96
56) Styrene	12.18	104	1741370	90.387 ug/L	100
57) Isopropylbenzene	12.46	105	76557	2.484 ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.47	75	133903	287.785 ug/L #	6
68) 1,2,4-trichlorobenzene	15.15	180	4883	1.512 ug/L #	1
69) Naphthalene	15.37	128	3633788	455.699 ug/L	99
70) 1,2,3-Trichlorobenzene	15.53	180	31538	10.432 ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Thu Apr 25 01:36:45 2019
Response via : Initial Calibration

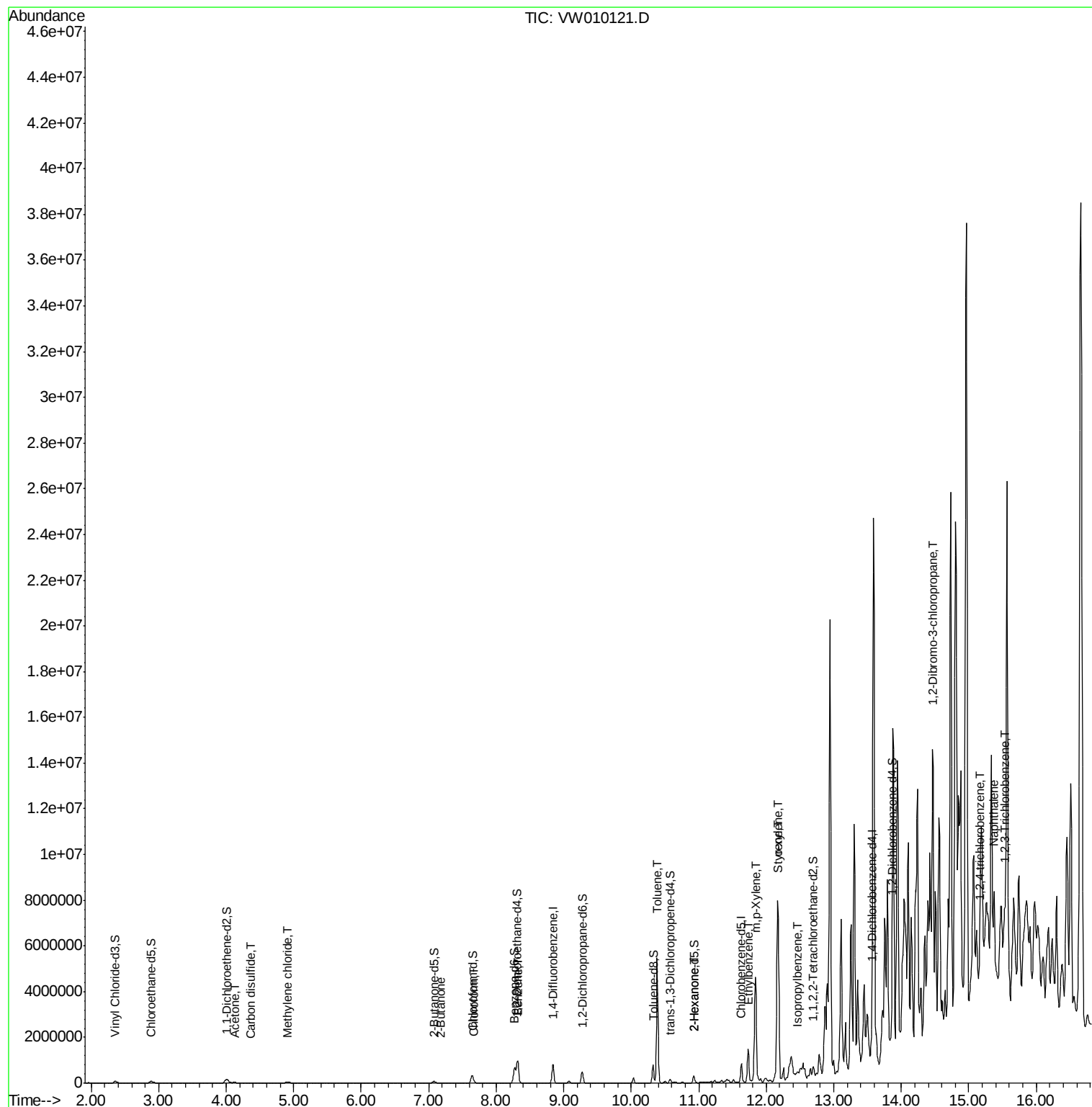
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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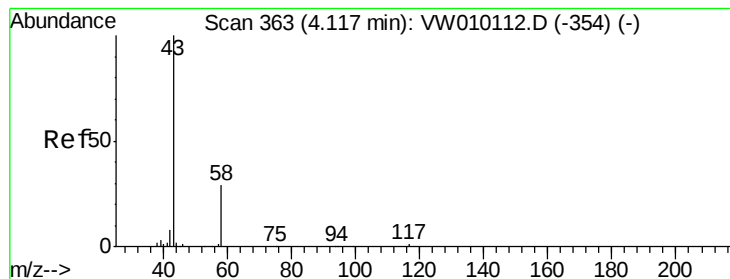
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
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#13

Acetone

Concen: 25.601 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

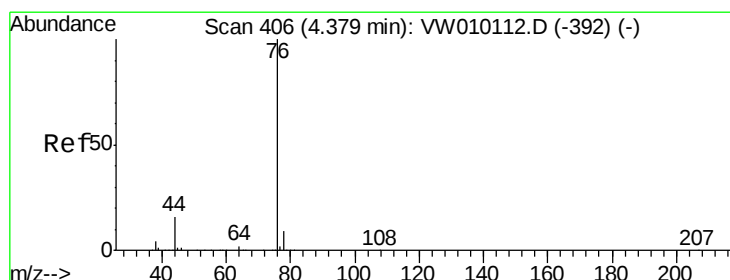
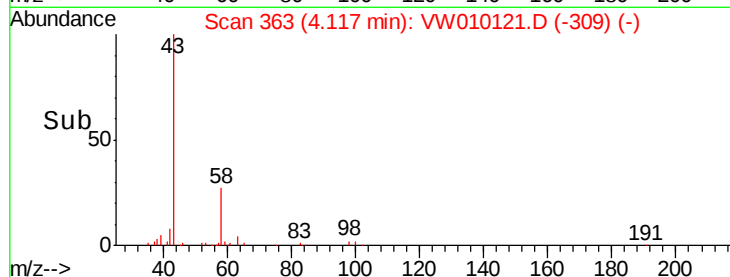
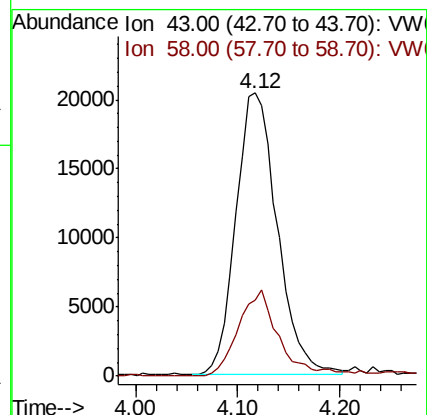
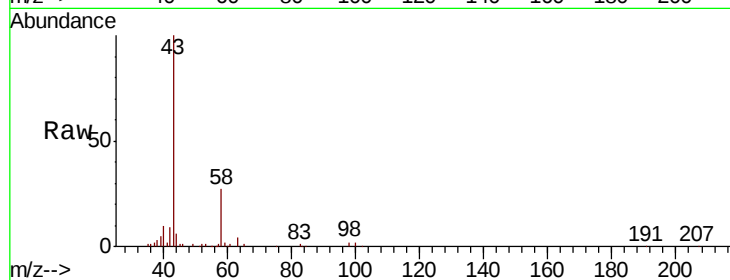
GAHX3

Tgt Ion: 43 Resp: 57152

Ion Ratio Lower Upper

43 100

58 28.8 0.0 58.2



#14

Carbon disulfide

Concen: 0.594 ug/L

RT: 4.36 min Scan# 403

Delta R.T. -0.02 min

Lab File: VW010121.D

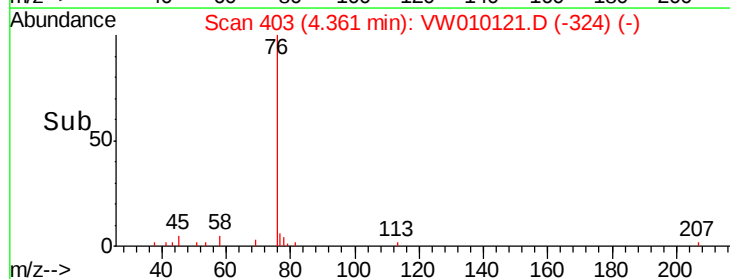
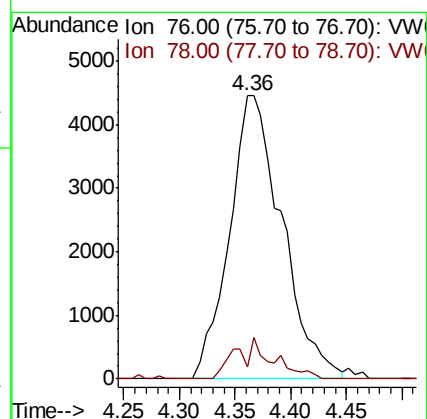
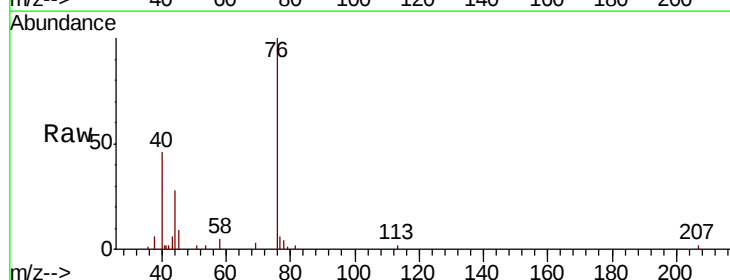
Acq: 24 Apr 2019 21:03

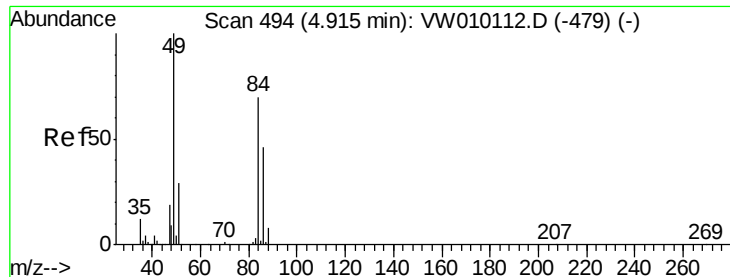
Tgt Ion: 76 Resp: 14620

Ion Ratio Lower Upper

76 100

78 4.4 7.4 11.0#

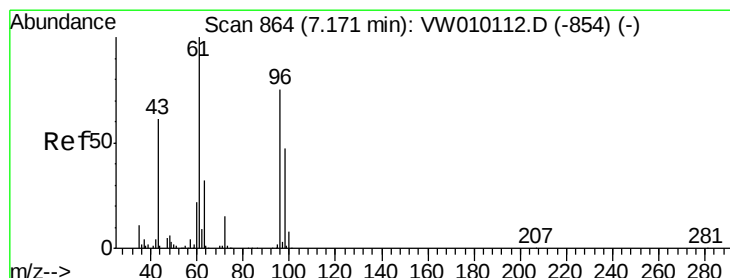
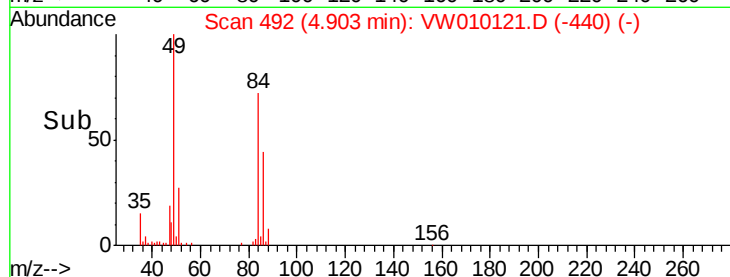
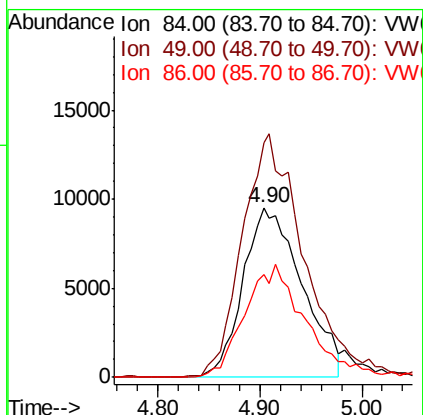
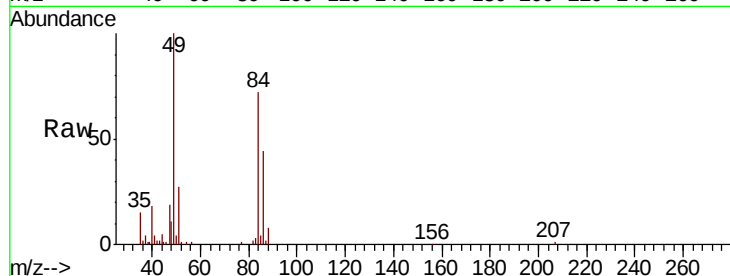




#16
Methylene chloride
Concen: 4.158 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010121.D
Acq: 24 Apr 2019 21:03

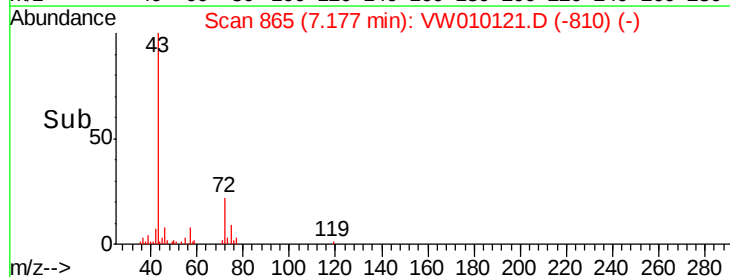
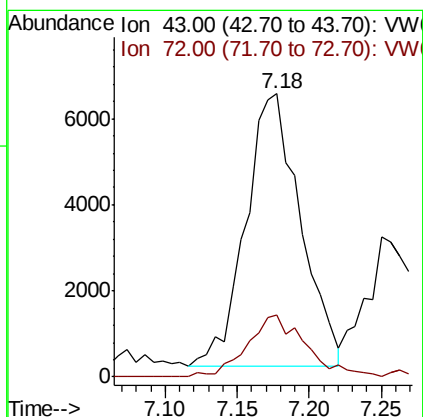
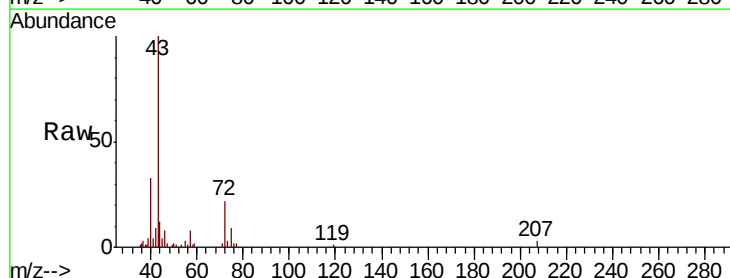
Instrument :
MSVOA_W
ClientSampled :
GAHX3

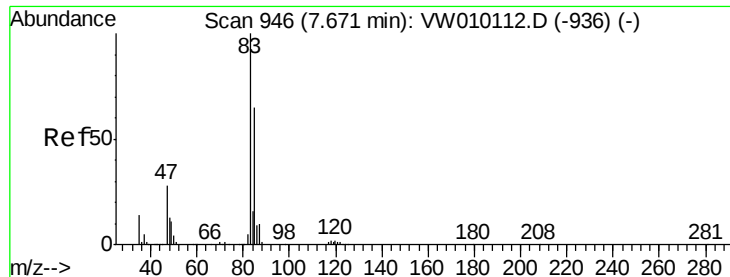
Tgt Ion: 84 Resp: 38189
Ion Ratio Lower Upper
84 100
49 138.3 93.5 173.7
86 60.7 44.9 83.5



#21
2-Butanone
Concen: 4.856 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010121.D
Acq: 24 Apr 2019 21:03

Tgt Ion: 43 Resp: 16808
Ion Ratio Lower Upper
43 100
72 20.7 12.3 36.8

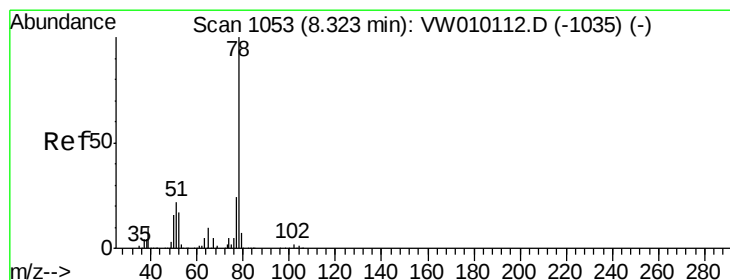
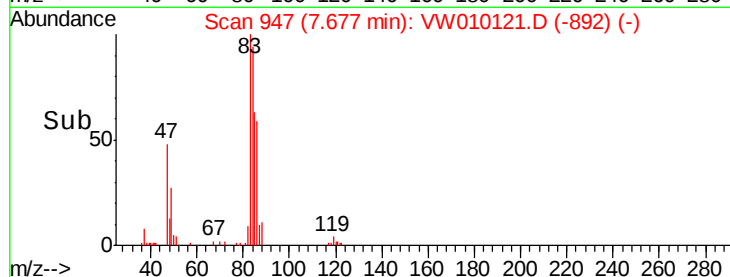
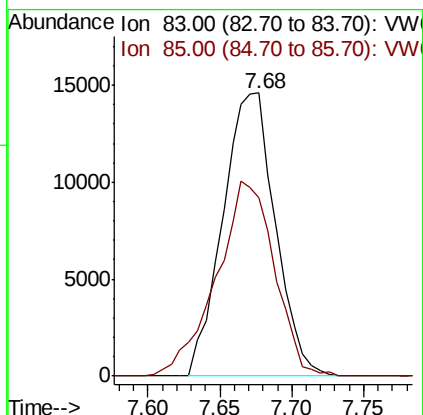
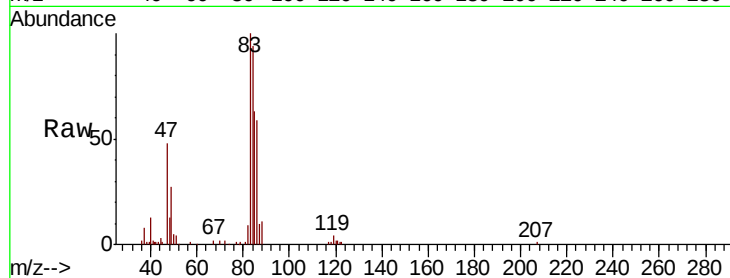




#25
Chloroform
Concen: 2.199 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010121.D
Acq: 24 Apr 2019 21:03

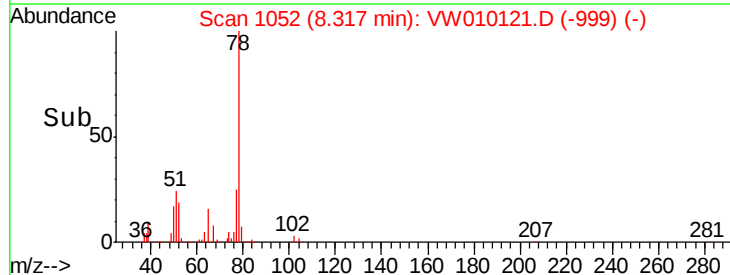
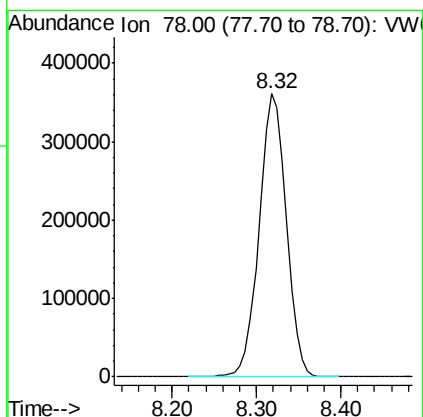
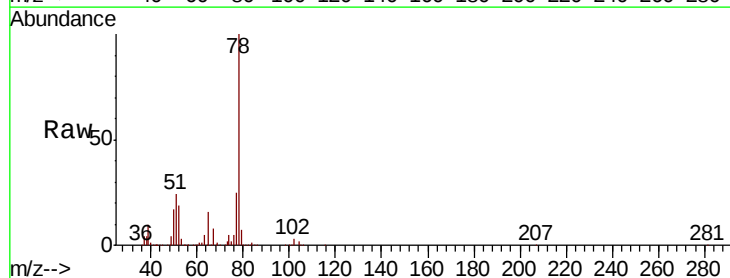
Instrument :
MSVOA_W
ClientSampleId :
GAHX3

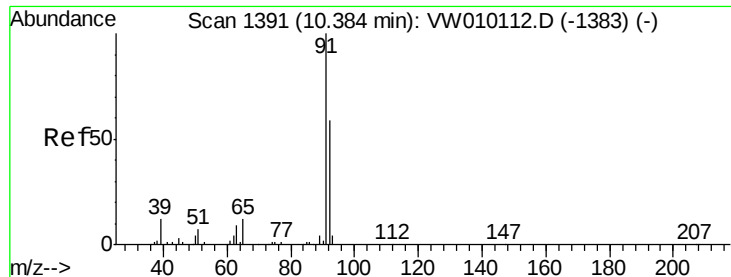
Tgt Ion: 83 Resp: 37059
Ion Ratio Lower Upper
83 100
85 76.2 45.4 84.2



#34
Benzene
Concen: 29.475 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010121.D
Acq: 24 Apr 2019 21:03

Tgt Ion: 78 Resp: 801190





#44

Toluene

Concen: 133.916 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

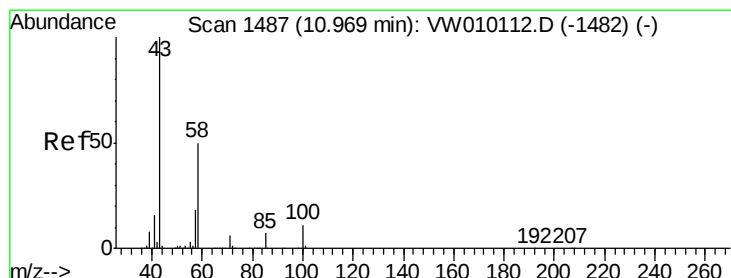
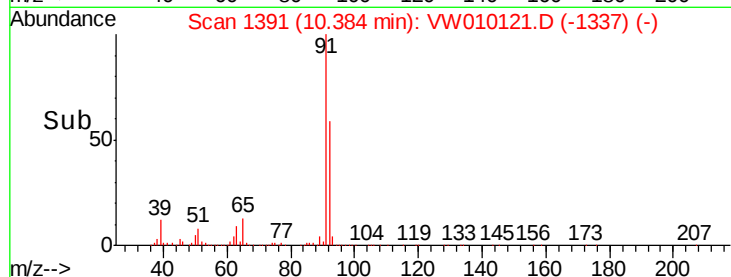
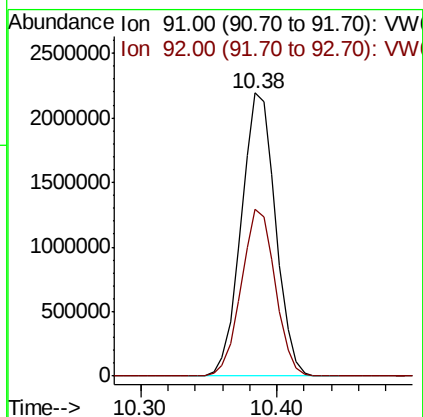
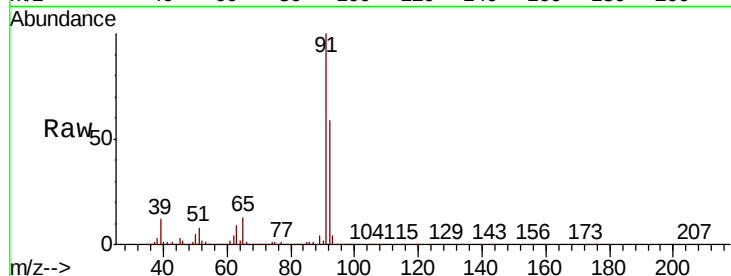
GAHX3

Tgt Ion: 91 Resp: 3853342

Ion Ratio Lower Upper

91 100

92 59.0 40.3 74.9



#49

2-Hexanone

Concen: 5.991 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Tgt Ion: 43 Resp: 22884

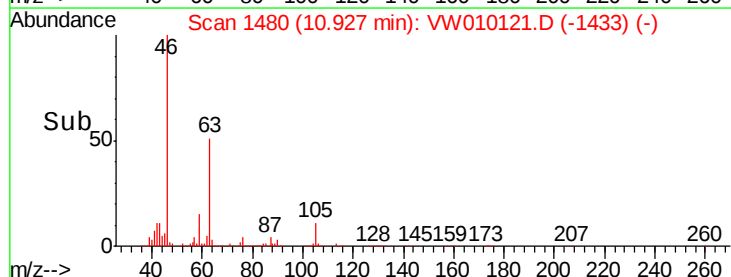
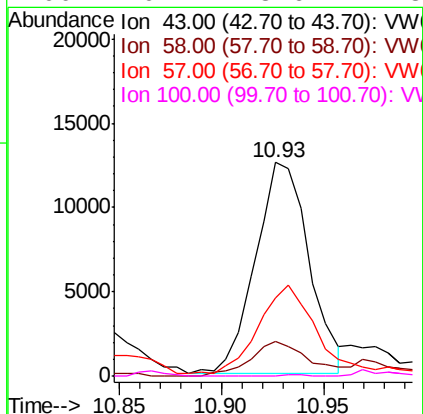
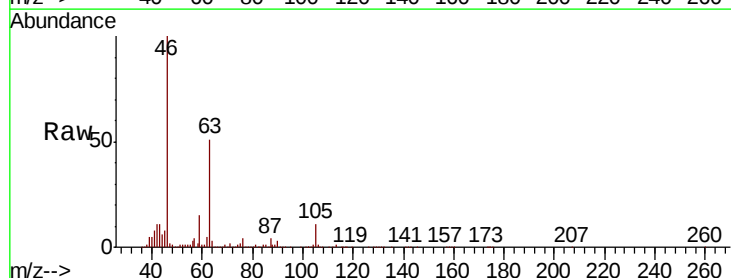
Ion Ratio Lower Upper

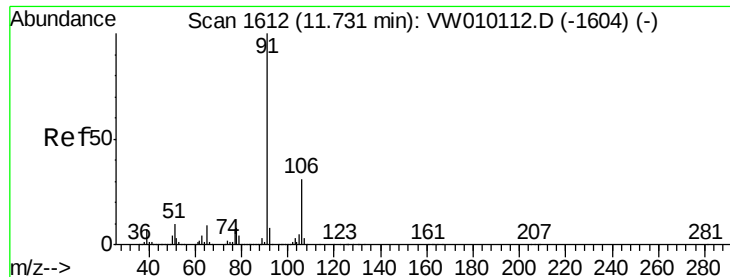
43 100

58 18.5 39.9 59.9#

57 42.9 14.3 21.5#

100 0.2 8.6 12.8#





#53

Ethylbenzene

Concen: 29.708 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

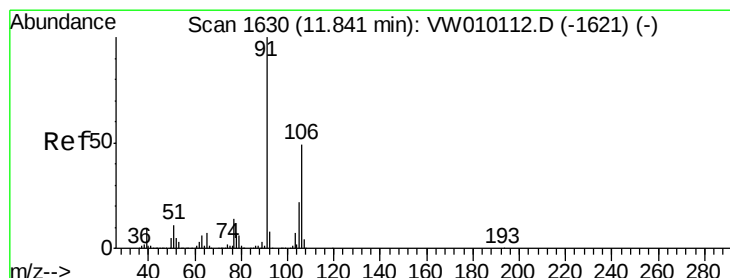
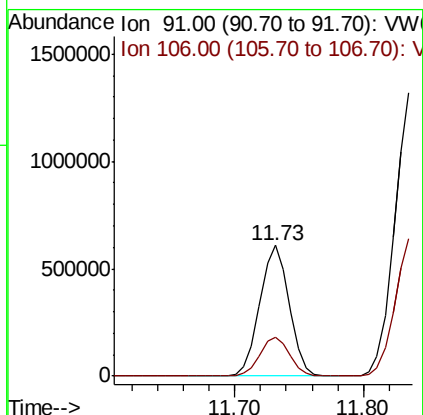
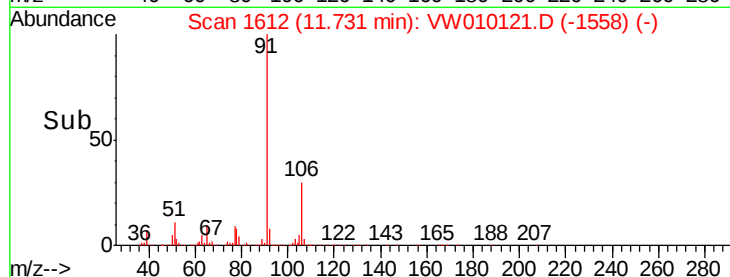
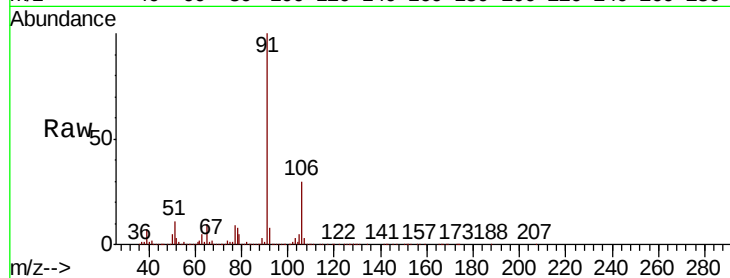
GAHX3

Tgt Ion: 91 Resp: 959427

Ion Ratio Lower Upper

91 100

106 29.6 21.5 39.9



#54

m,p-Xylene

Concen: 104.044 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010121.D

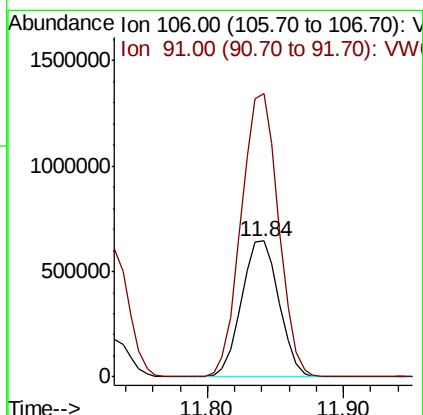
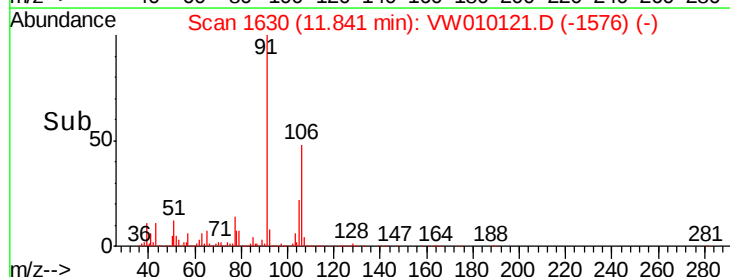
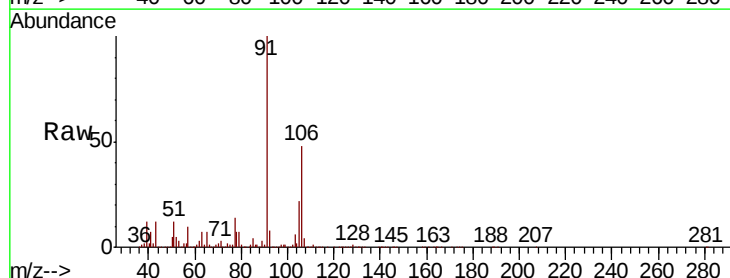
Acq: 24 Apr 2019 21:03

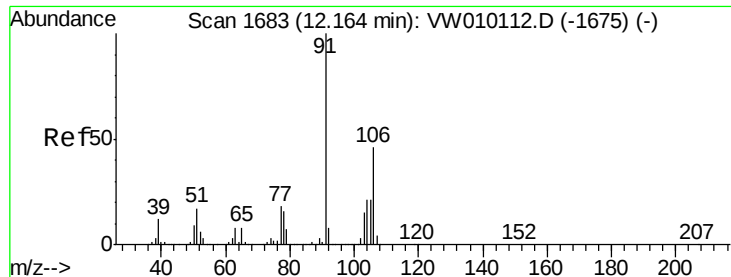
Tgt Ion: 106 Resp: 1242901

Ion Ratio Lower Upper

106 100

91 208.5 143.4 266.4





#55

o-xylene

Concen: 140.653 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

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ClientSampleId :

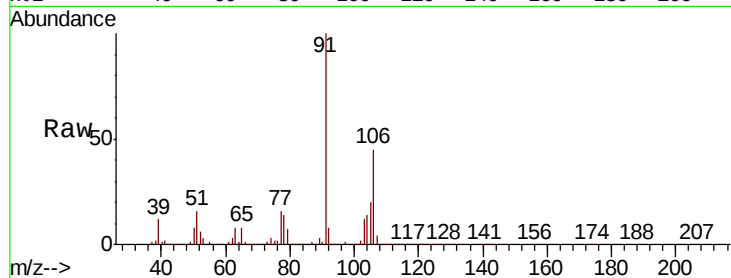
GAHX3

Tgt Ion:106 Resp: 1593308

Ion Ratio Lower Upper

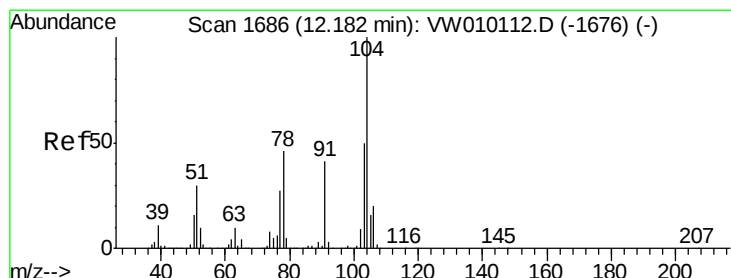
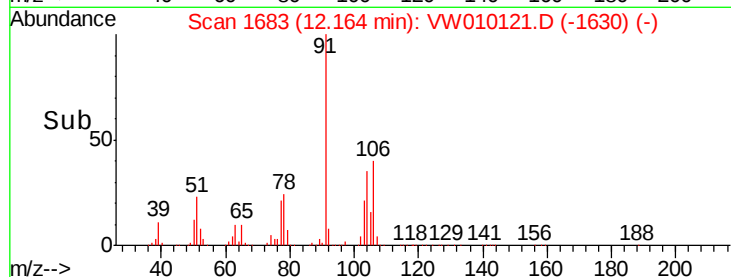
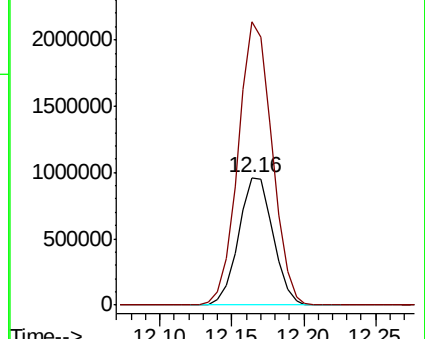
106 100

91 222.3 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 90.387 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010121.D

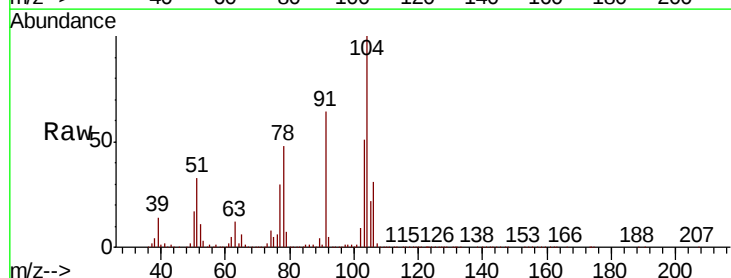
Acq: 24 Apr 2019 21:03

Tgt Ion:104 Resp: 1741370

Ion Ratio Lower Upper

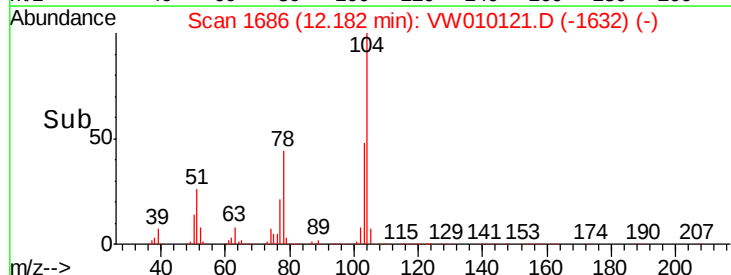
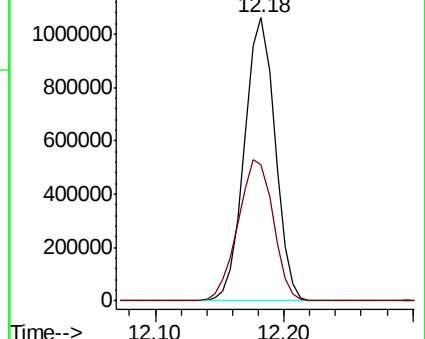
104 100

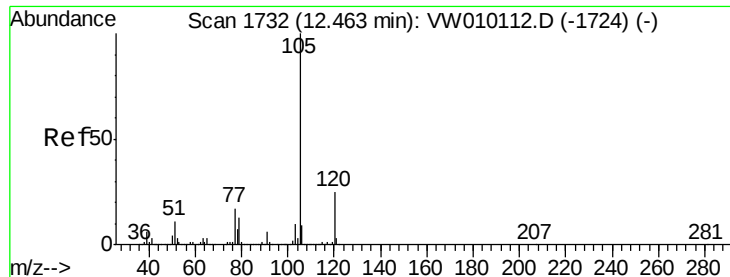
78 48.0 33.4 62.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.484 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

GAHX3

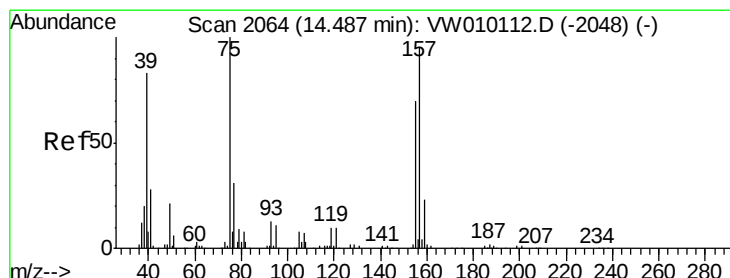
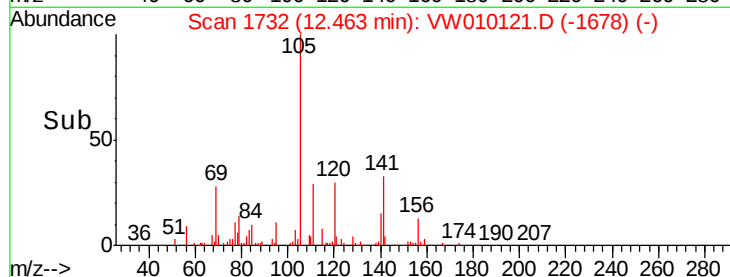
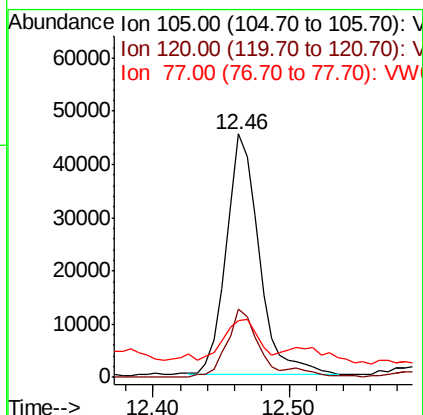
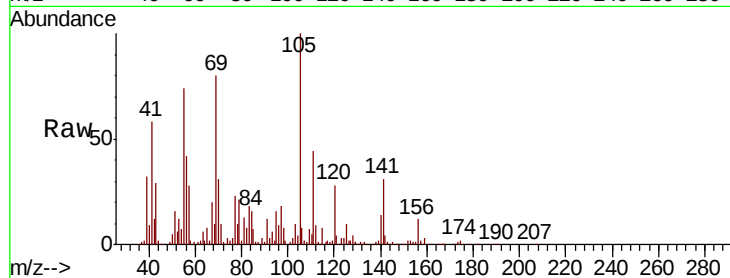
Tgt Ion: 105 Resp: 76557

Ion Ratio Lower Upper

105 100

120 25.3 20.8 31.2

77 17.0 13.3 19.9



#66

1,2-Dibromo-3-chloropropane

Concen: 287.785 ug/L

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

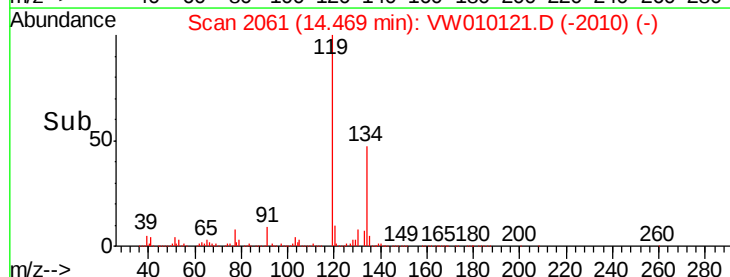
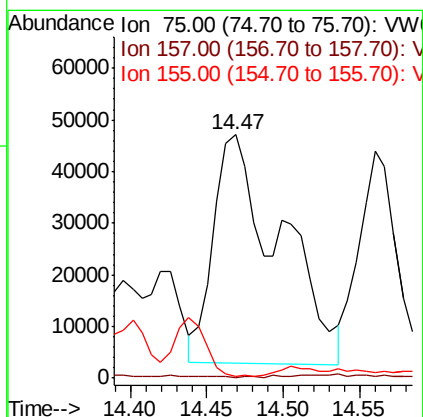
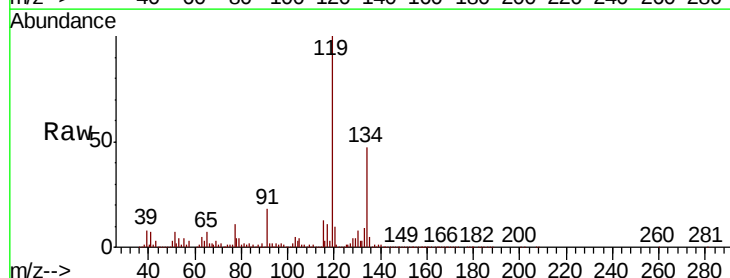
Tgt Ion: 75 Resp: 133903

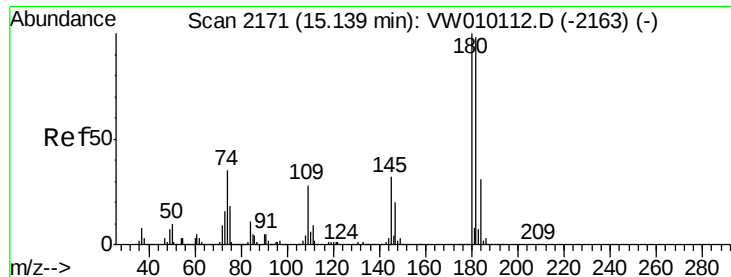
Ion Ratio Lower Upper

75 100

157 0.3 78.4 117.6#

155 0.6 60.2 90.2#





#68

1,2,4-trichlorobenzene

Concen: 1.512 ug/L

RT: 15.15 min Scan# 2173

Delta R.T. 0.01 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

GAHX3

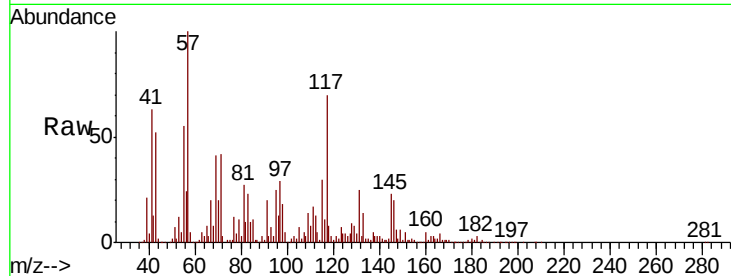
Tgt Ion:180 Resp: 4883

Ion Ratio Lower Upper

180 100

182 627.9 75.0 112.4#

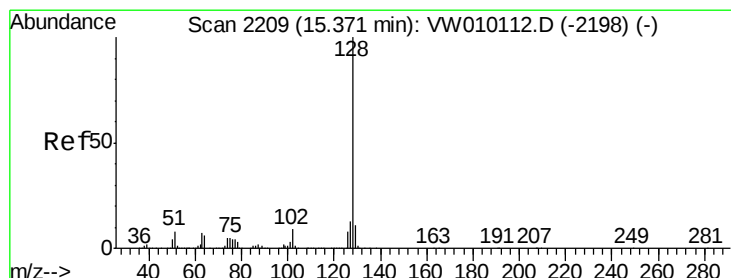
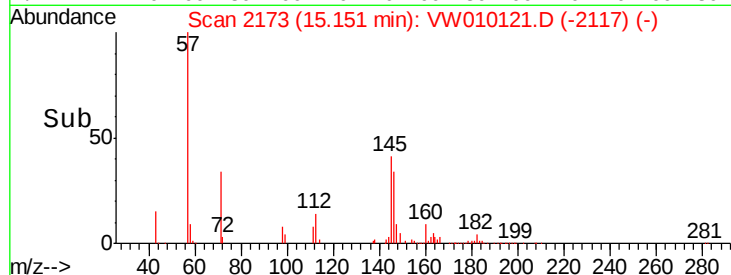
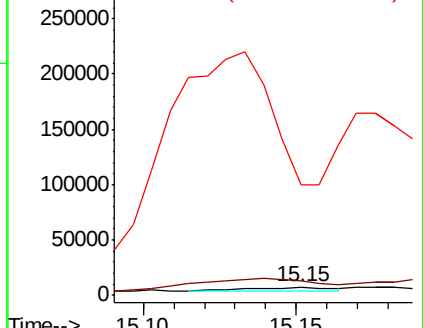
145 11009.2 24.4 36.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 455.699 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

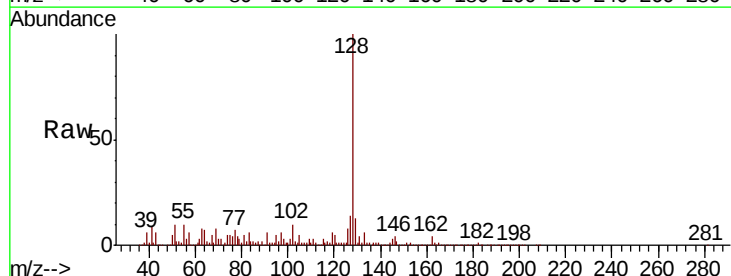
Tgt Ion:128 Resp: 3633788

Ion Ratio Lower Upper

128 100

129 11.8 8.6 13.0

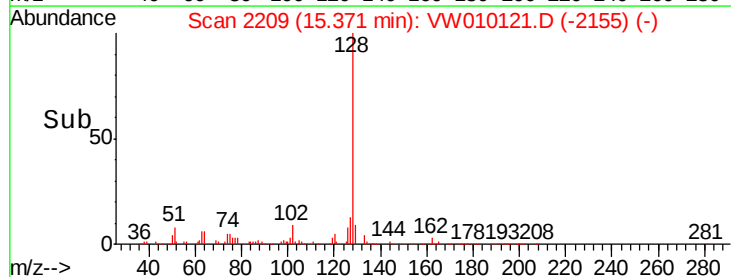
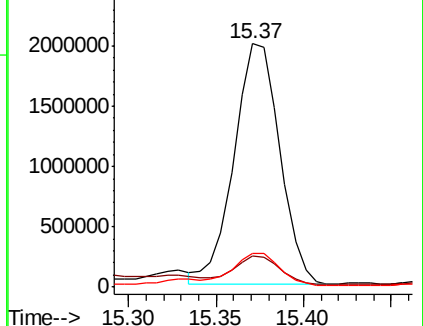
127 13.4 10.8 16.2

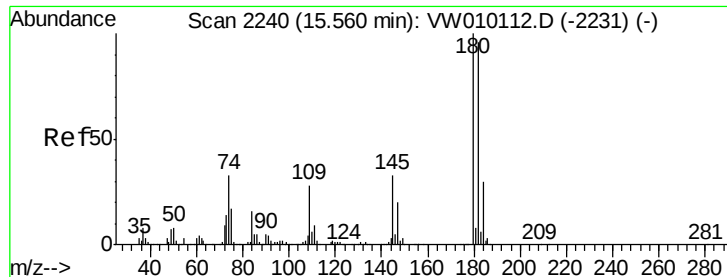


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 10.432 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW010121.D

Acq: 24 Apr 2019 21:03

Instrument :

MSVOA_W

ClientSampleId :

GAHX3

Tgt Ion:180 Resp: 31538

Ion Ratio Lower Upper

180 100

182 51.5 75.2 112.8#

145 1087.2 26.1 39.1#

