

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042219\
 Data File : VW010087.D
 Acq On : 22 Apr 2019 18:00
 Operator : SY/VA
 Sample : K2455-18
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR8RE

Quant Time: Apr 23 06:09:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 06:06:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336486	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	280062	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	121912	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	70069	22.04	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
7) Chloroethane-d5	2.89	69	55712	17.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.20%
10) 1,1-Dichloroethene-d2	3.99	63	147387	16.71	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.84%
20) 2-Butanone-d5	7.08	46	65571	38.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.24%
24) Chloroform-d	7.65	84	190247	19.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.24%
26) 1,2-Dichloroethane-d4	8.30	65	112101	18.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.28%
29) Benzene-d6	8.27	84	379791	24.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.72%
33) 1,2-Dichloropropane-d6	9.27	67	120806	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.56%
37) Toluene-d8	10.32	98	330112	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.04%
38) trans-1,3-Dichloropropene-	10.58	79	48810	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.00%
39) 2-Hexanone-d5	10.93	63	51736	47.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96005	20.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.76%
61) 1,2-Dichlorobenzene-d4	13.56	152	101791	22.21	ug/L	-0.30
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.84%

Target Compounds

					Qvalue
13) Acetone	4.12	43	20946	13.694 ug/L	78
16) Methylene chloride	4.90	84	19403	3.185 ug/L	96
21) 2-Butanone	7.19	43	4293	2.143 ug/L #	61
44) Toluene	10.38	91	20229	1.156 ug/L #	76
50) Dibromochloromethane	11.10	129	7094	1.756 ug/L #	32
53) Ethylbenzene	11.73	91	16603	0.849 ug/L	87
54) m,p-Xylene	11.84	106	5839	0.816 ug/L #	26
55) o-xylene	12.46	106	10743	1.565 ug/L	88
57) Isopropylbenzene	12.46	105	110088	6.022 ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.69	83	88647	19.803 ug/L #	48
62) Bromoform	12.30	173	10657	4.978 ug/L #	44
66) 1,2-Dibromo-3-chloropropan	14.51	75	9256	12.656 ug/L #	66
68) 1,2,4-trichlorobenzene	15.15	180	3642	0.824 ug/L #	13
69) Naphthalene	15.37	128	4583579	483.196 ug/L	99
70) 1,2,3-Trichlorobenzene	15.53	180	49627	11.768 ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 06:06:04 2019
Response via : Initial Calibration

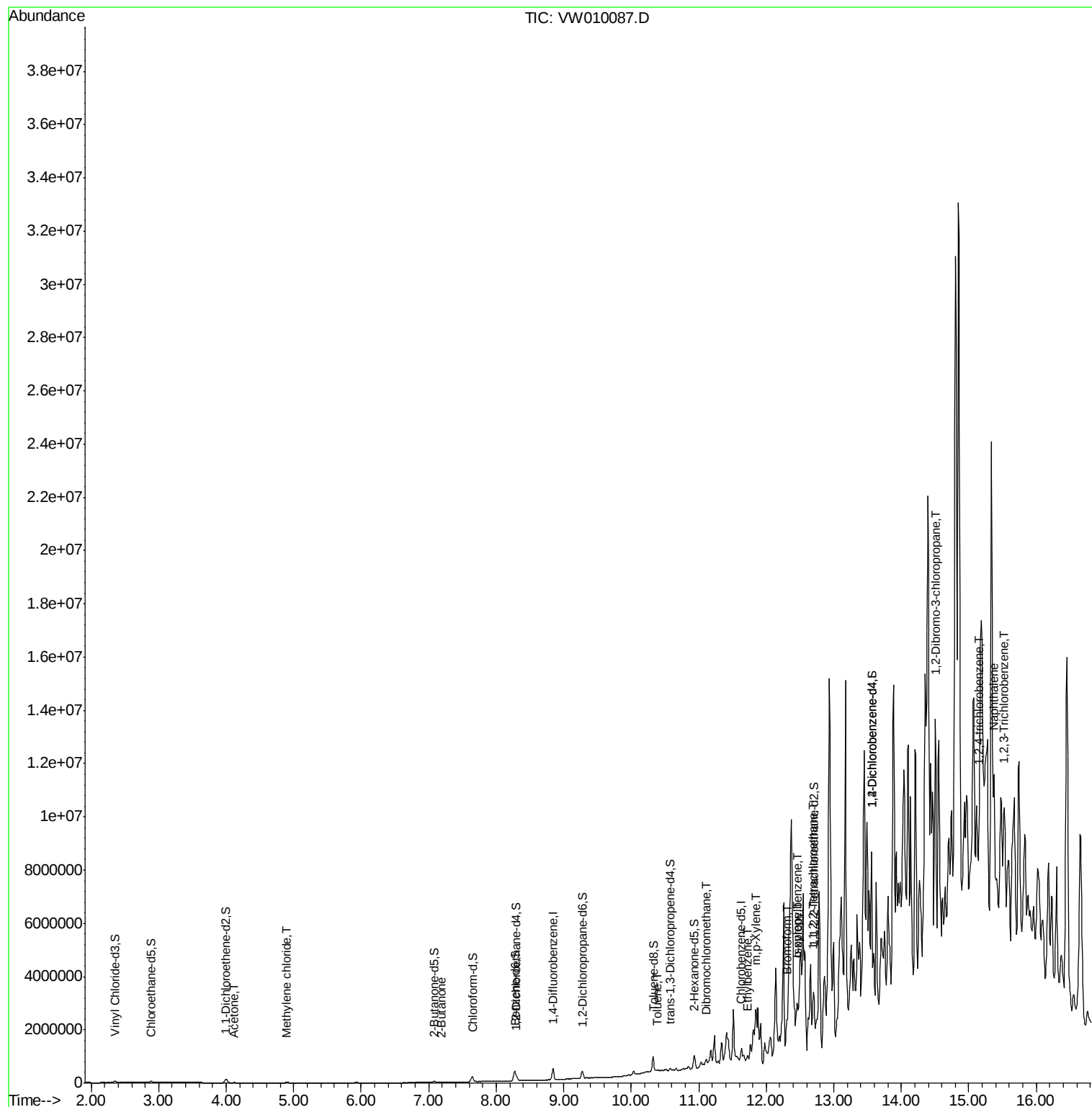
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

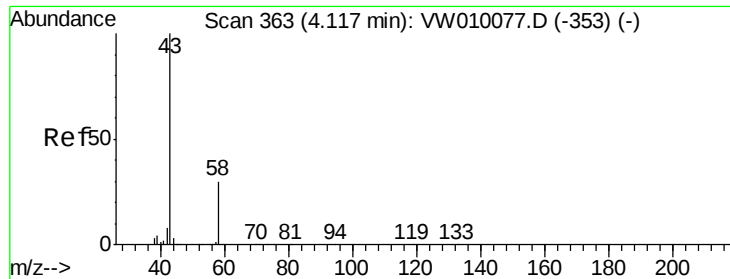
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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MSVOA_W
ClientSampled :
GAHR8RE

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 06:06:04 2019
Response via : Initial Calibration





#13

Acetone

Concen: 13.694 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

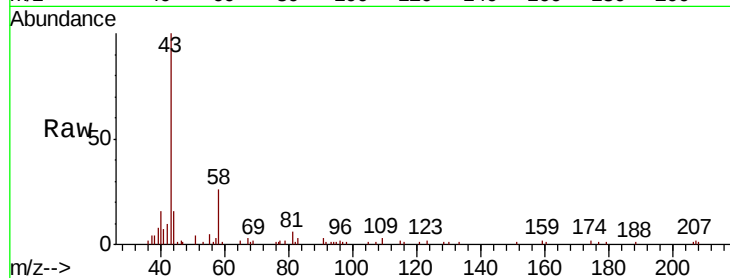
GAHR8RE

Tgt Ion: 43 Resp: 20946

Ion Ratio Lower Upper

43 100

58 16.5 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

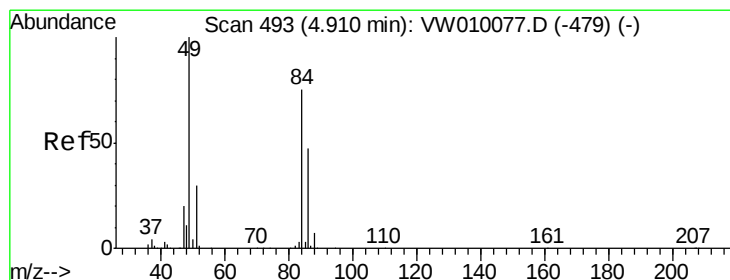
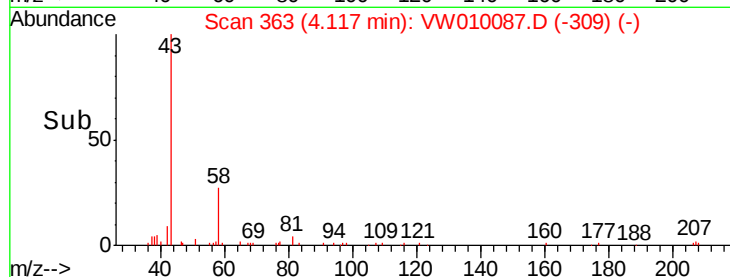
4000

2000

0

4.00 4.10 4.20

Time-->



#16

Methylene chloride

Concen: 3.185 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

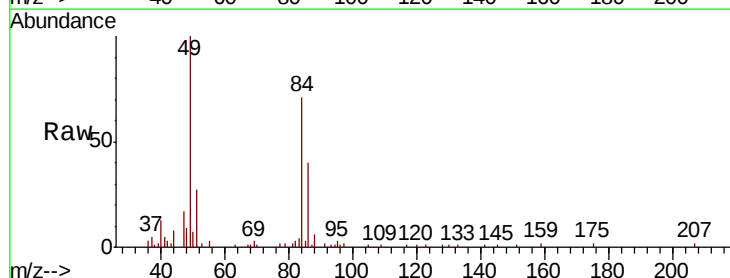
Tgt Ion: 84 Resp: 19403

Ion Ratio Lower Upper

84 100

49 140.2 100.7 187.1

86 56.5 43.8 81.3



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

12000

10000

8000

6000

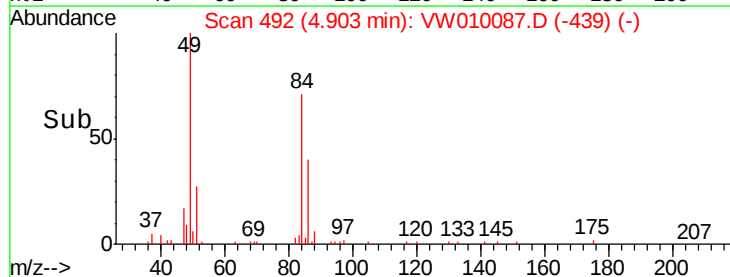
4000

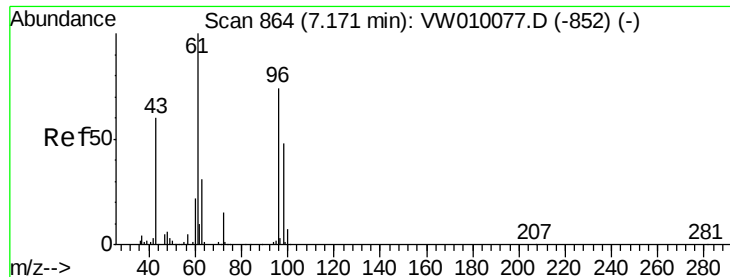
2000

0

4.80 4.90 5.00

Time-->





#21

2-Butanone

Concen: 2.143 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

MSVOA_W

ClientSampled :

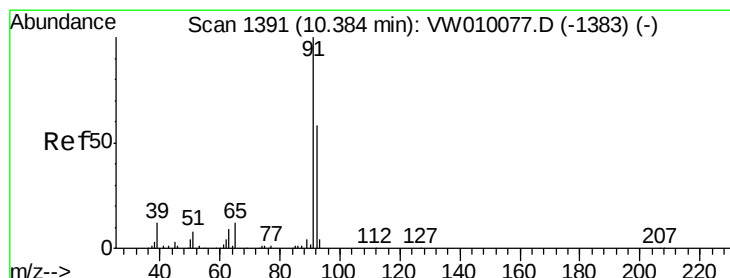
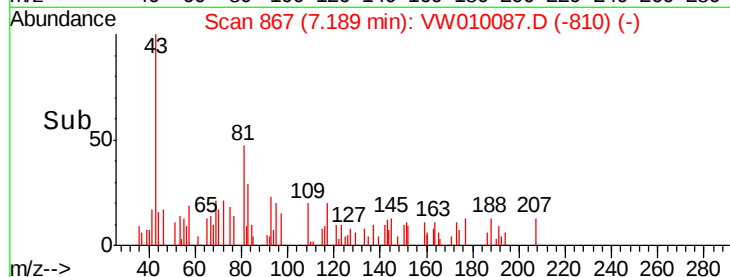
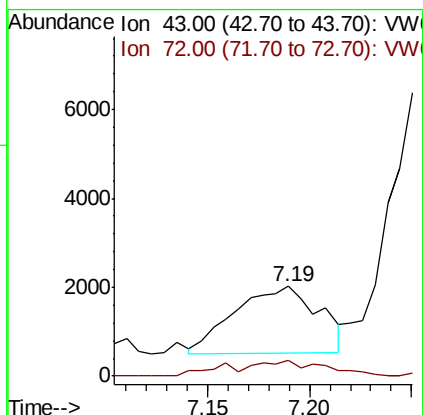
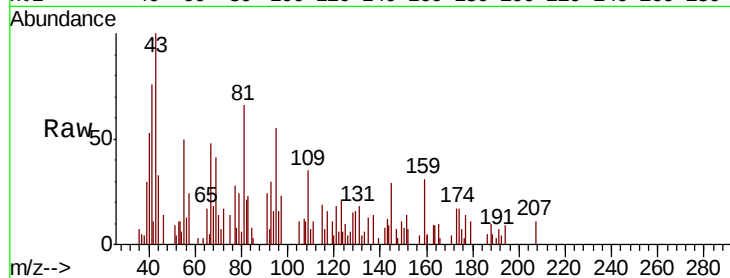
GAHR8RE

Tgt Ion: 43 Resp: 4293

Ion Ratio Lower Upper

43 100

72 4.5 11.9 35.7#



#44

Toluene

Concen: 1.156 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010087.D

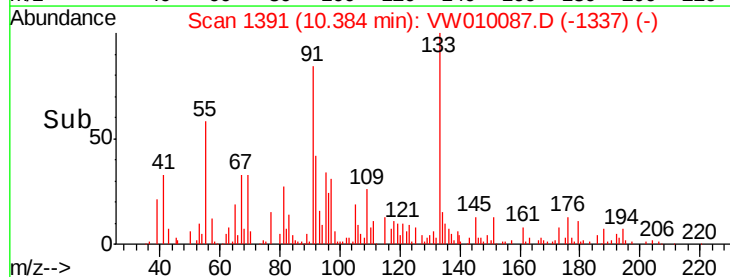
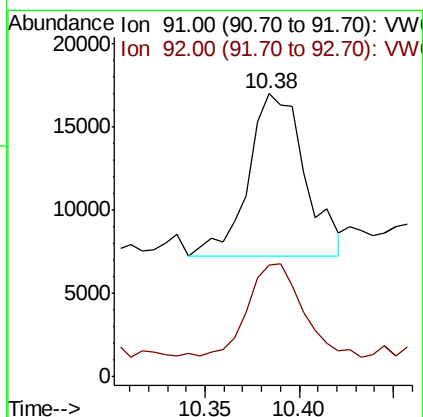
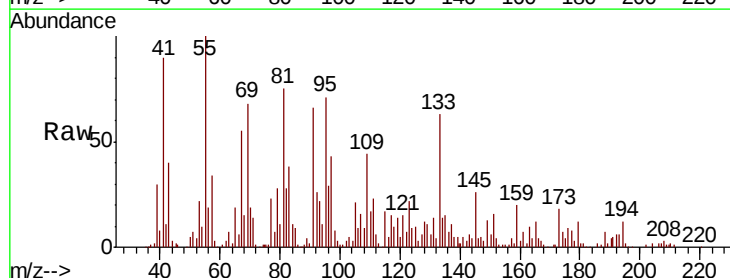
Acq: 22 Apr 2019 18:00

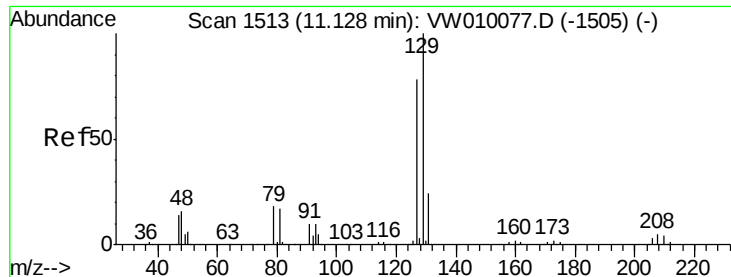
Tgt Ion: 91 Resp: 20229

Ion Ratio Lower Upper

91 100

92 39.4 39.8 74.0#





#50

Dibromochloromethane

Concen: 1.756 ug/L

RT: 11.10 min Scan# 1509

Delta R.T. -0.02 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

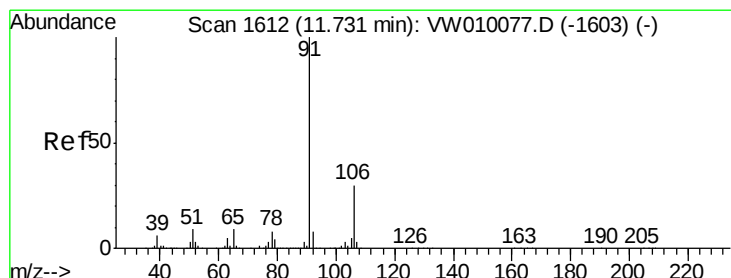
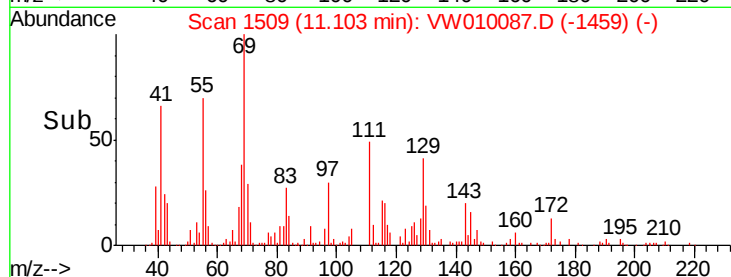
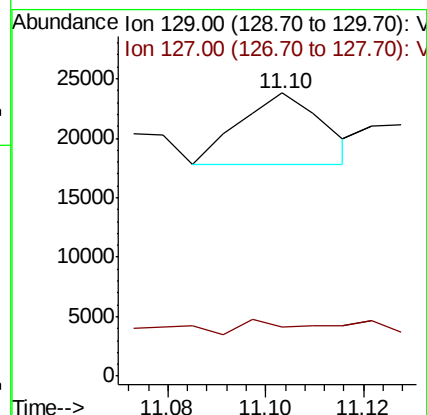
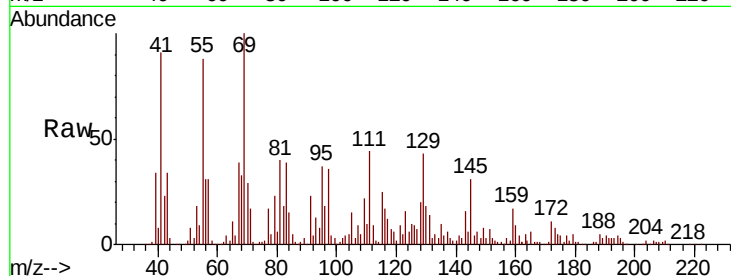
GAHR8RE

Tgt Ion: 129 Resp: 7094

Ion Ratio Lower Upper

129 100

127 17.6 53.5 99.3#



#53

Ethylbenzene

Concen: 0.849 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010087.D

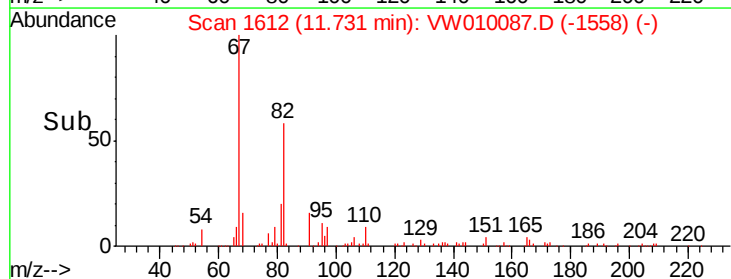
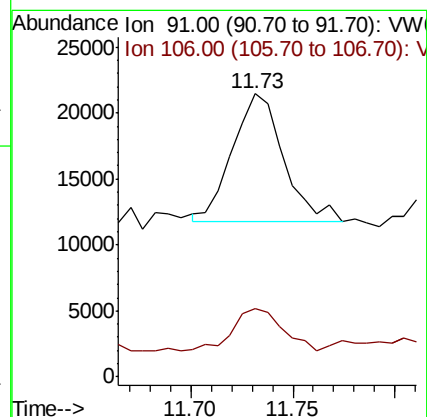
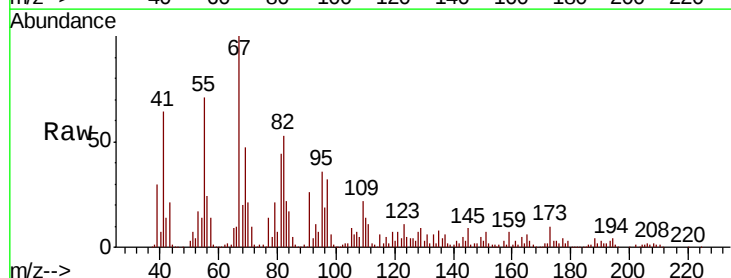
Acq: 22 Apr 2019 18:00

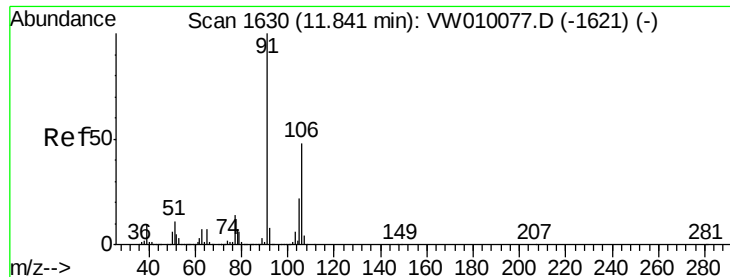
Tgt Ion: 91 Resp: 16603

Ion Ratio Lower Upper

91 100

106 24.1 21.8 40.4





#54

m,p-Xylene

Concen: 0.816 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

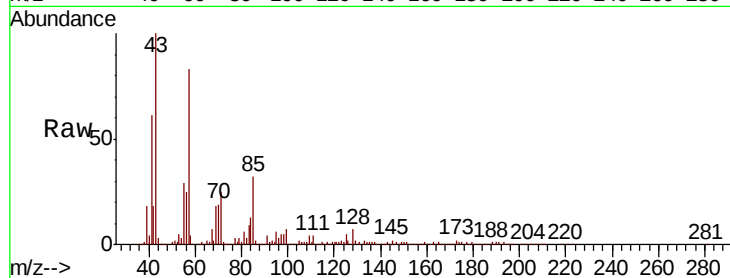
GAHR8RE

Tgt Ion:106 Resp: 5839

Ion Ratio Lower Upper

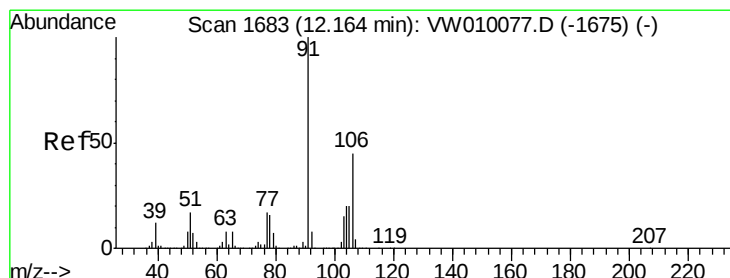
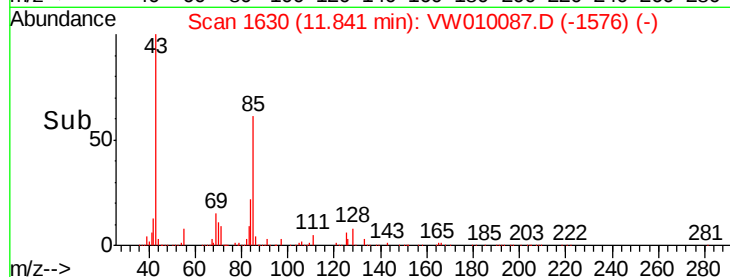
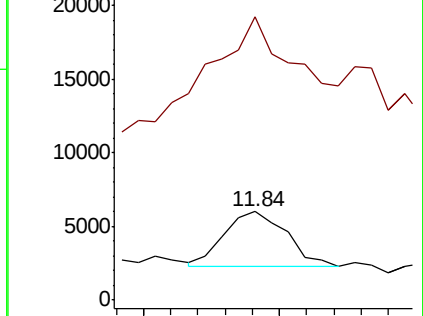
106 100

91 318.9 143.4 266.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.565 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.30 min

Lab File: VW010087.D

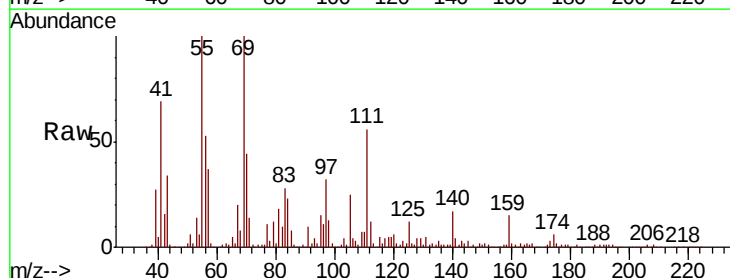
Acq: 22 Apr 2019 18:00

Tgt Ion:106 Resp: 10743

Ion Ratio Lower Upper

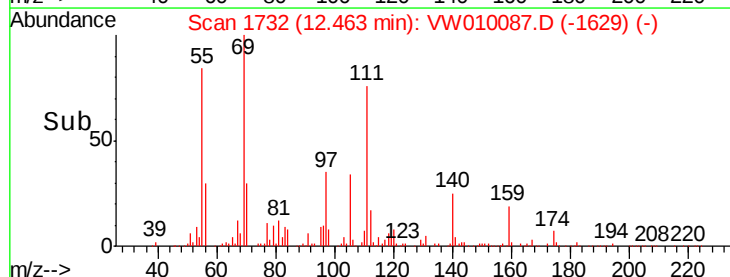
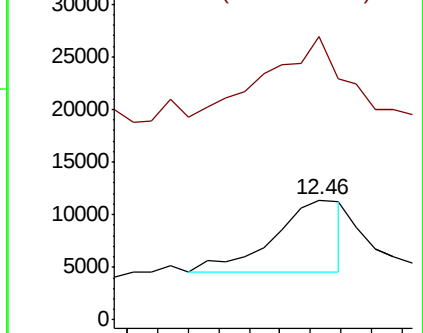
106 100

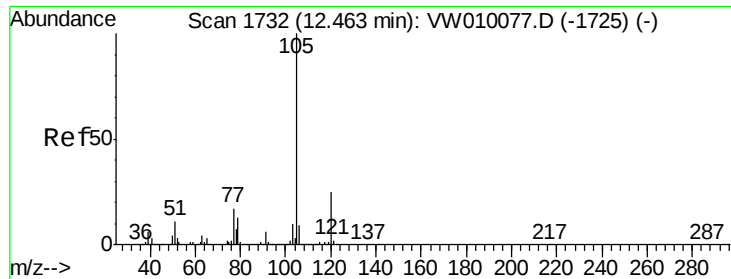
91 236.1 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 6.022 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

GAHR8RE

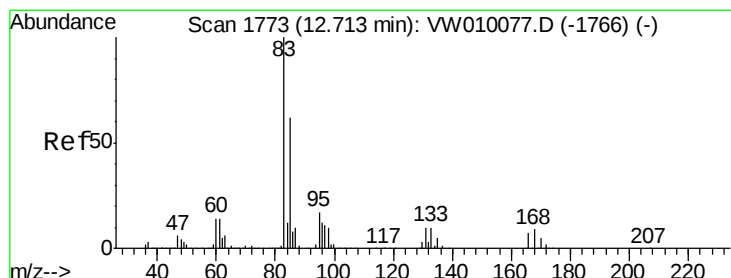
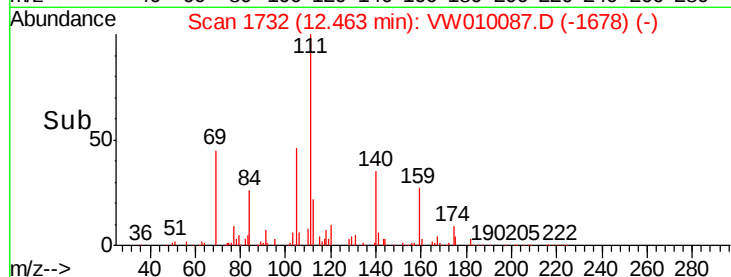
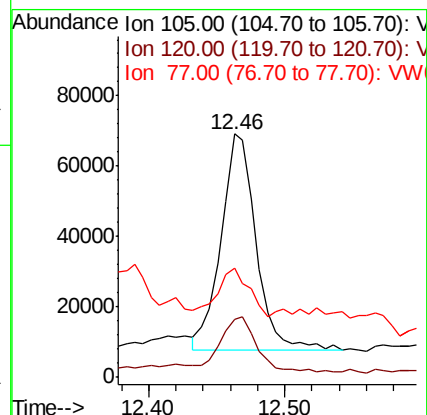
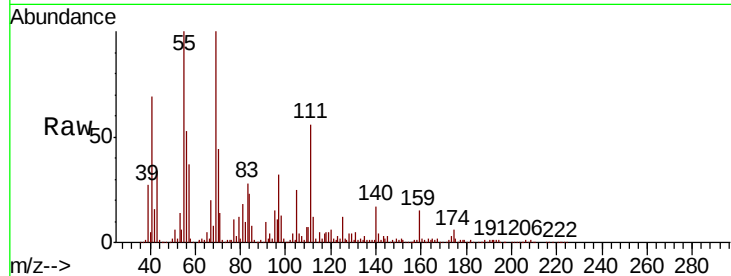
Tgt Ion: 105 Resp: 110088

Ion Ratio Lower Upper

105 100

120 23.9 20.6 30.8

77 19.1 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 19.803 ug/L

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

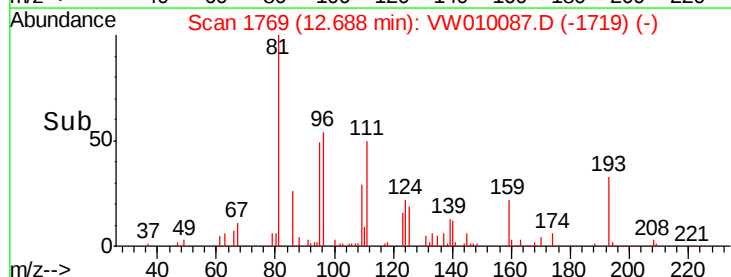
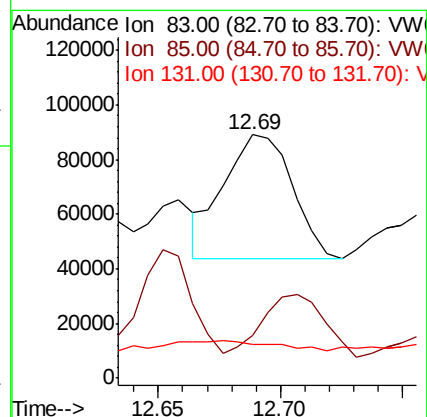
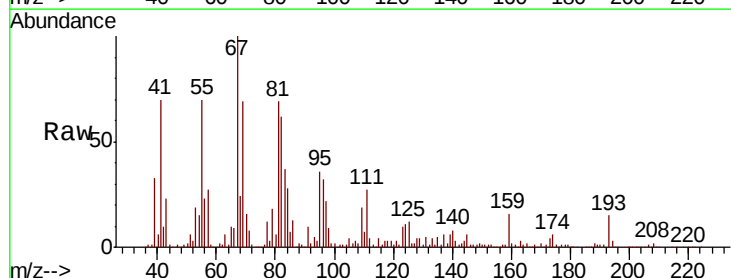
Tgt Ion: 83 Resp: 88647

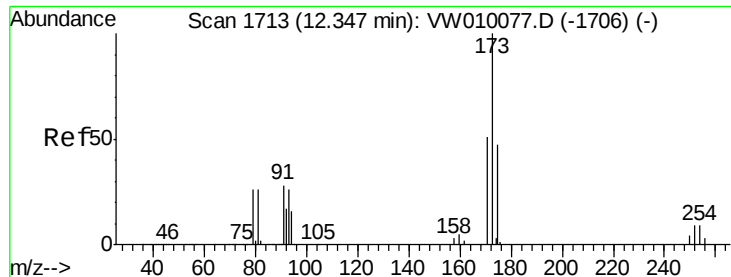
Ion Ratio Lower Upper

83 100

85 17.6 44.1 81.9#

131 14.1 8.3 12.5#





#62

Bromoform

Concen: 4.978 ug/L

RT: 12.30 min Scan# 1705

Delta R.T. -0.05 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

Instrument :

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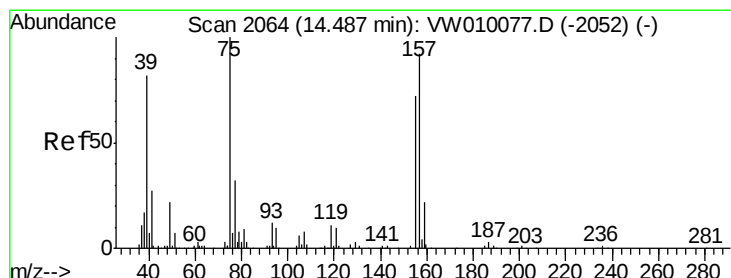
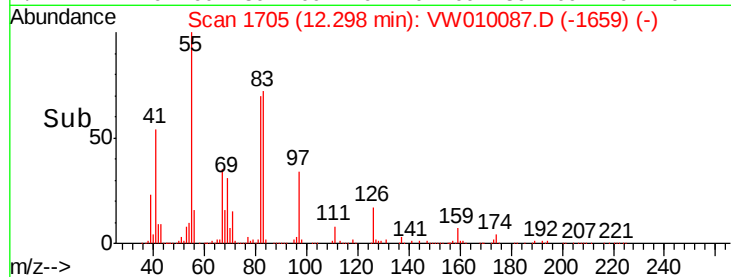
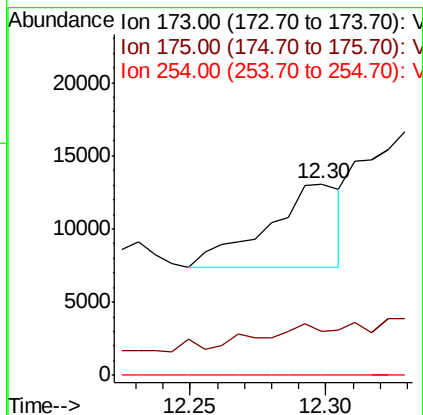
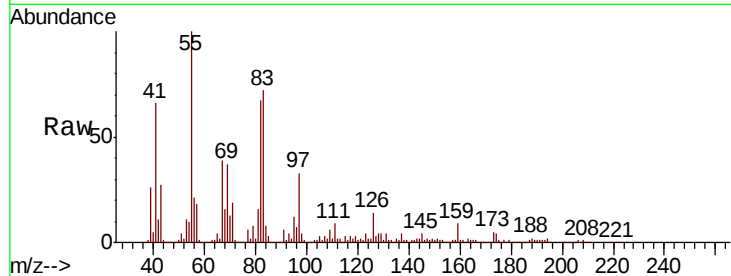
Tgt Ion: 173 Resp: 10657

Ion Ratio Lower Upper

173 100

175 6.1 38.4 57.6#

254 0.0 7.7 11.5#



#66

1,2-Dibromo-3-chloropropane

Concen: 12.656 ug/L

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW010087.D

Acq: 22 Apr 2019 18:00

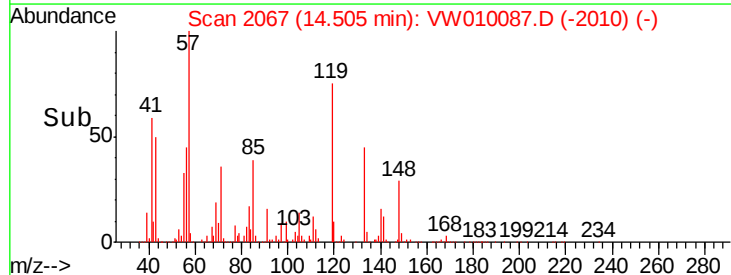
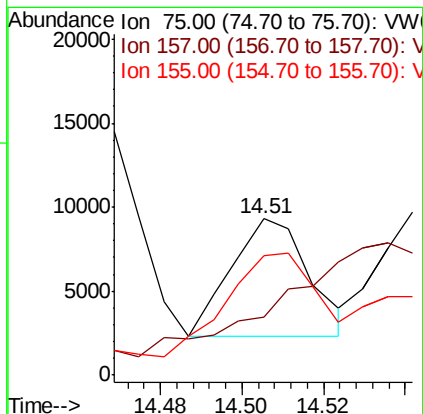
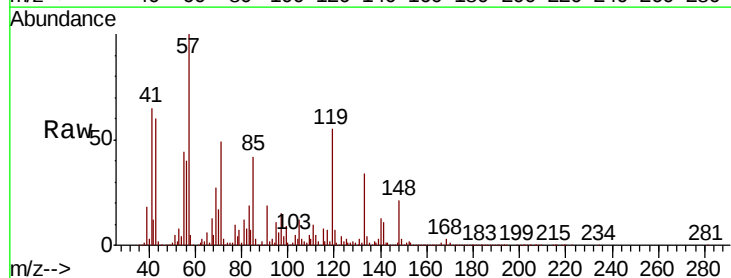
Tgt Ion: 75 Resp: 9256

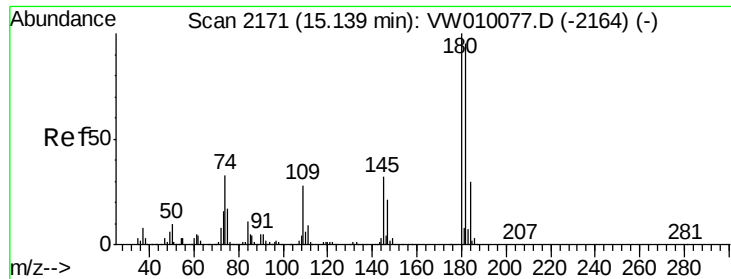
Ion Ratio Lower Upper

75 100

157 36.8 73.3 109.9#

155 76.9 58.6 88.0

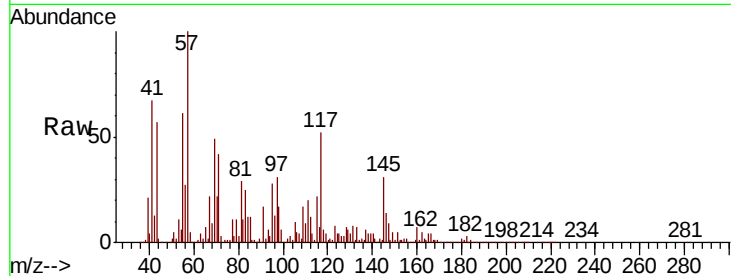




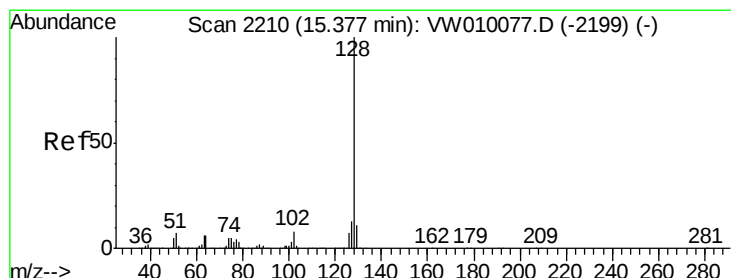
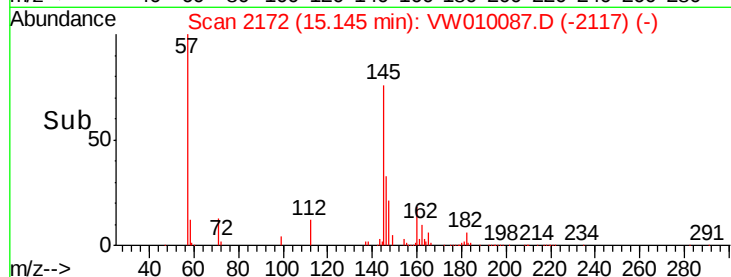
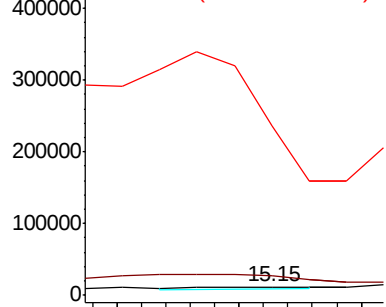
#68
1,2,4-trichlorobenzene
Concen: 0.824 ug/L
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW010087.D
Acq: 22 Apr 2019 18:00

Instrument :
MSVOA_W
ClientSampleId :
GAHR8RE

Tgt Ion:180 Resp: 3642
Ion Ratio Lower Upper
180 100
182 0.0 75.4 113.0#
145 0.0 25.0 37.4#

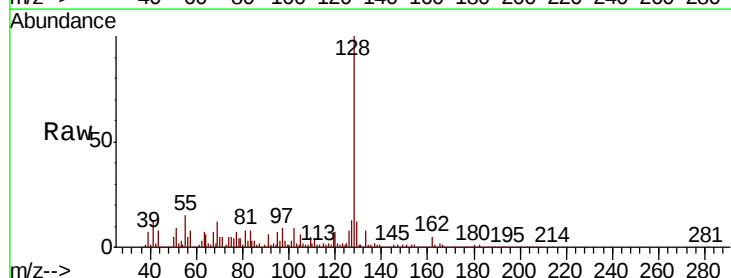


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

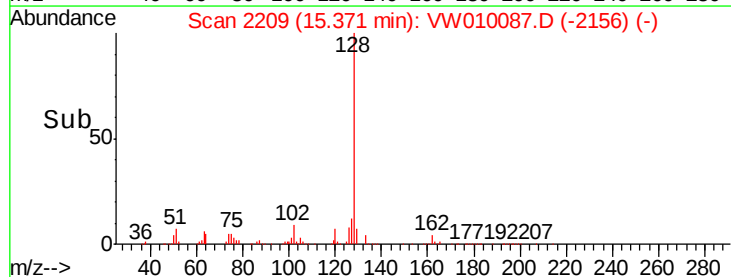
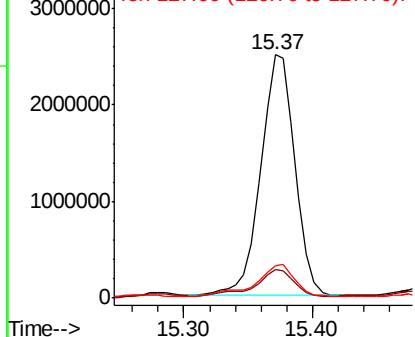


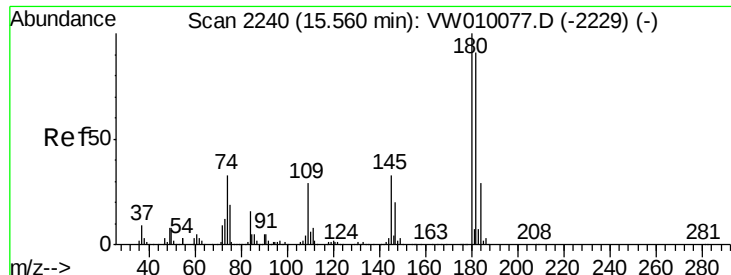
#69
Naphthalene
Concen: 483.196 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW010087.D
Acq: 22 Apr 2019 18:00

Tgt Ion:128 Resp: 4583579
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 13.0 10.6 16.0



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

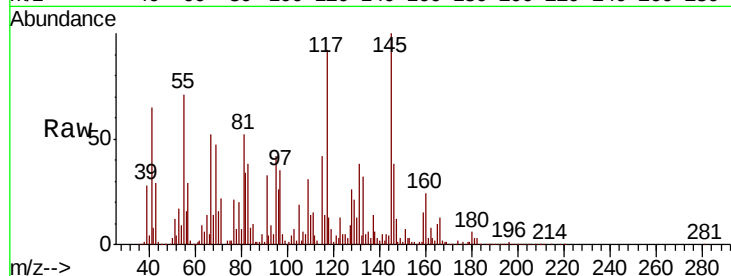




#70
 1,2,3-Trichlorobenzene
 Concen: 11.768 ug/L
 RT: 15.53 min Scan# 2235
 Delta R.T. -0.03 min
 Lab File: VW010087.D
 Acq: 22 Apr 2019 18:00

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR8RE

Tgt Ion:180 Resp: 49627
 Ion Ratio Lower Upper
 180 100
 182 30.6 76.0 114.0#
 145 1897.2 26.3 39.5#



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

