

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050720\
 Data File : VU038039.D
 Acq On : 07 May 2020 15:24
 Operator : JC/MD
 Sample : L2526-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSG9

Quant Time: May 08 02:41:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:51:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	329754	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	323133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149947	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	109600	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.93	69	99495	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.59	63	139222	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.66	46	297493	39.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.96%
24) Chloroform-d	5.10	84	186261	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	5.74	65	111762	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.76	84	417287	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.72	67	136295	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.92	98	376200	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.20	79	46605	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.65	63	245007	41.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	102960	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	133203	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

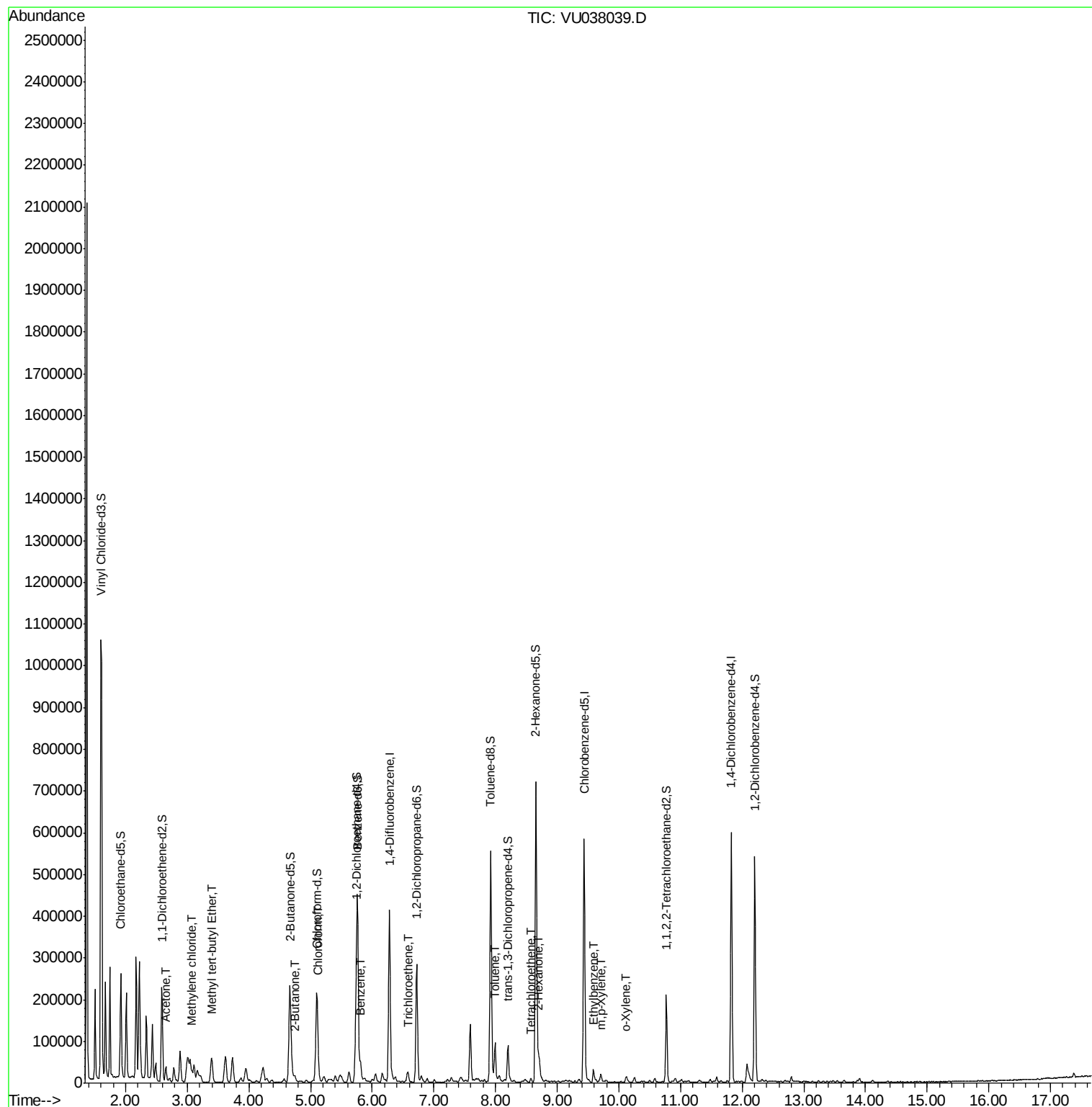
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	32334	6.925	ug/L	100
16) Methylene chloride	3.08	84	7206	0.270	ug/L	95
17) Methyl tert-butyl Ether	3.40	73	22261	0.350	ug/L #	1
21) 2-Butanone	4.75	43	15936	1.934	ug/L	98
25) Chloroform	5.12	83	14541	0.319	ug/L	100
33) Benzene	5.81	78	45451	0.439	ug/L	100
34) Trichloroethene	6.57	95	4381	0.169	ug/L	92
42) Toluene	7.99	91	63221	0.579	ug/L	99
47) Tetrachloroethene	8.58	164	1788	0.099	ug/L	88
48) 2-Hexanone	8.71	43	36704	2.573	ug/L #	93
52) Ethylbenzene	9.59	91	21062	0.178	ug/L	98
53) m,p-Xylene	9.71	106	5532	0.122	ug/L	99
54) o-Xylene	10.12	106	2967	0.068	ug/L	88

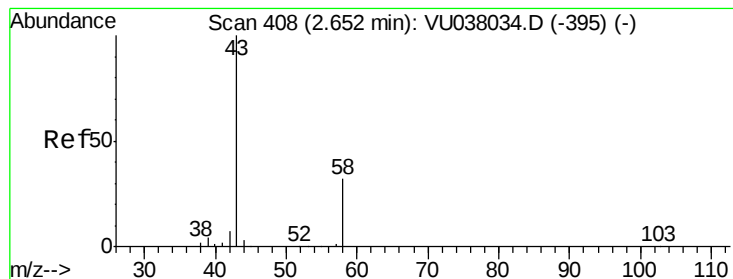
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 08 01:51:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.925 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU038039.D

Acq: 07 May 2020 15:24

Instrument :

MSVOA_U

ClientSampled :

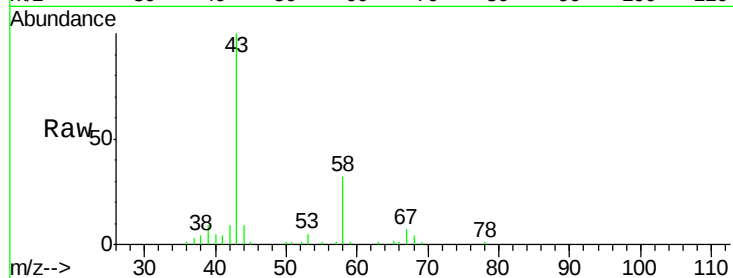
BFSG9

Tot Ion: 43 Resp: 32334

Ion Ratio Lower Upper

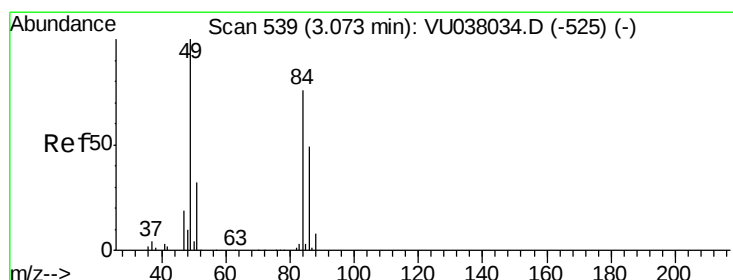
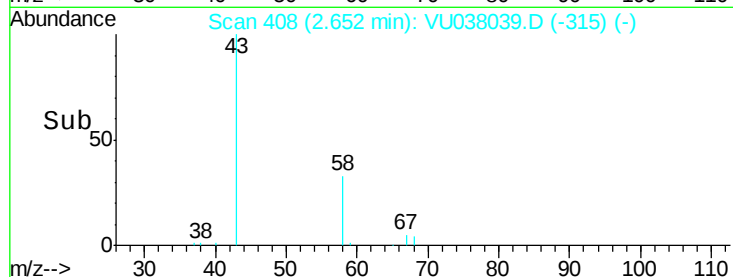
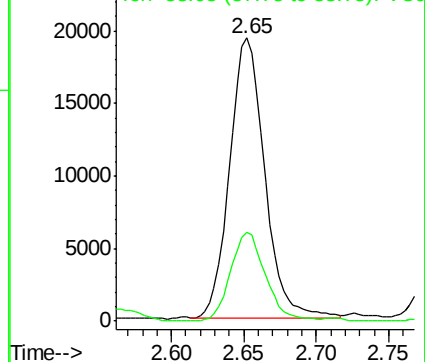
43 100

58 31.7 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038039.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU038039.D (-315) (-)



#16

Methylene chloride

Concen: 0.270 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038039.D

Acq: 07 May 2020 15:24

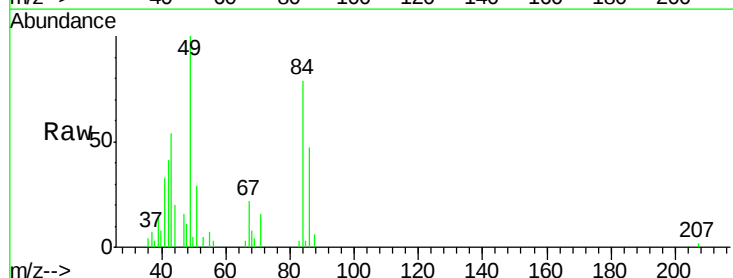
Tgt Ion: 84 Resp: 7206

Ion Ratio Lower Upper

84 100

86 59.3 44.9 83.3

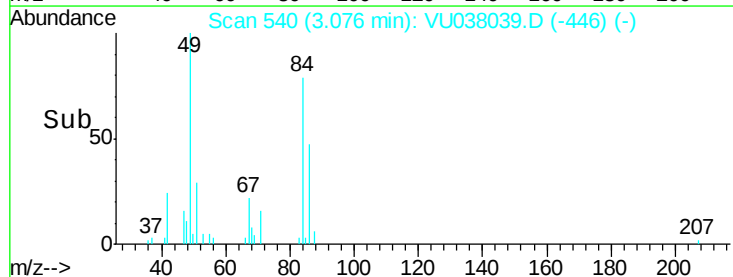
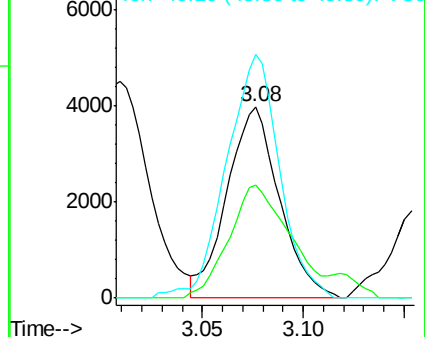
49 127.1 92.0 170.9

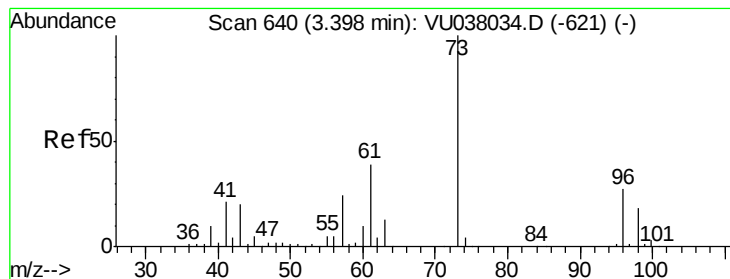


Abundance Ion 84.05 (83.75 to 84.75): VU038039.D (-446) (-)

Ion 86.00 (85.70 to 86.70): VU038039.D (-446) (-)

Ion 49.10 (48.80 to 49.80): VU038039.D (-446) (-)



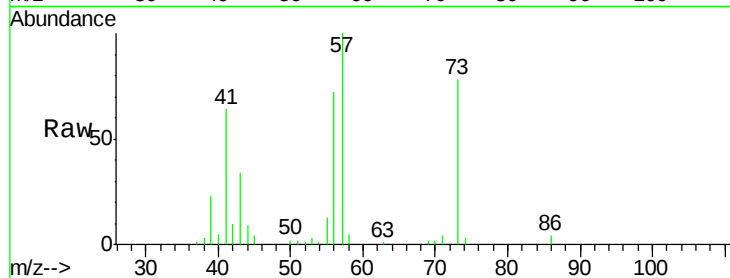


#17

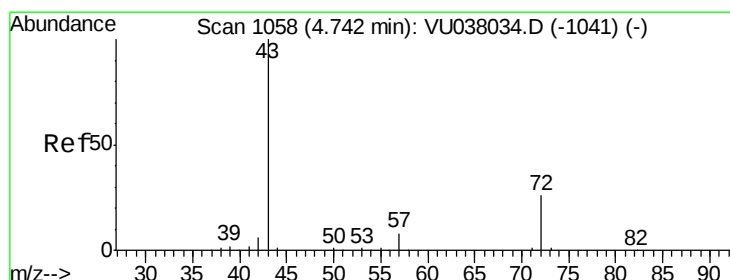
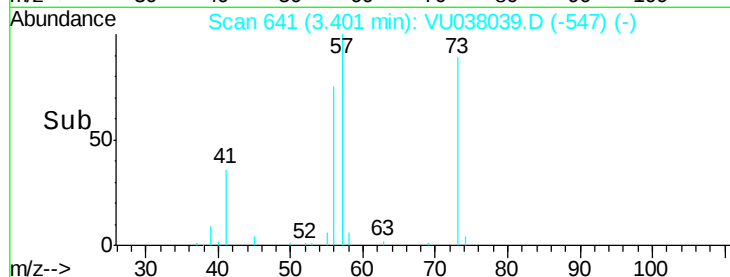
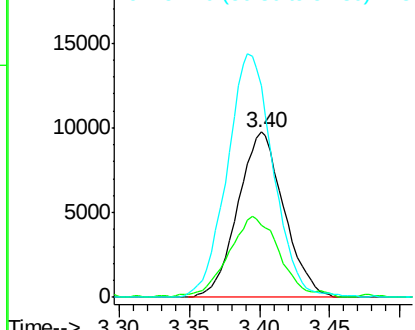
Methvl tert-butvl Ether
 Concen: 0.350 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038039.D
 Acq: 07 May 2020 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFGS9

Tot Ion: 73 Resp: 22261
 Ion Ratio Lower Upper
 73 100
 43 54.5 16.9 25.3#
 57 147.2 18.2 27.2#



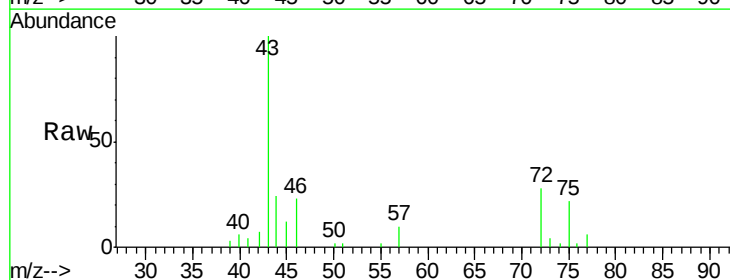
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



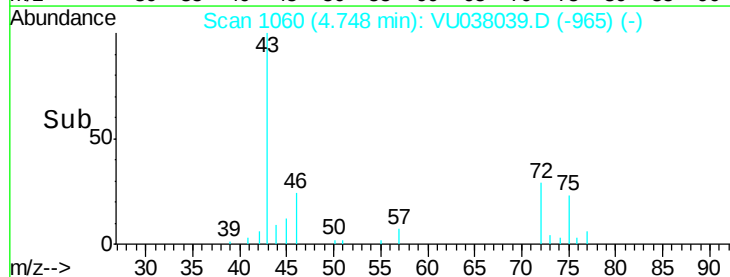
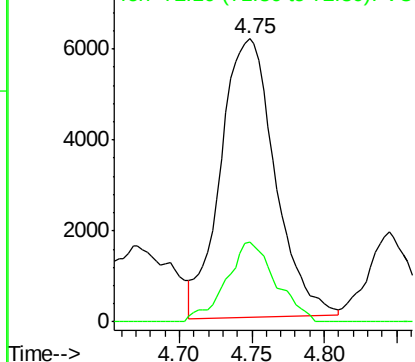
#21

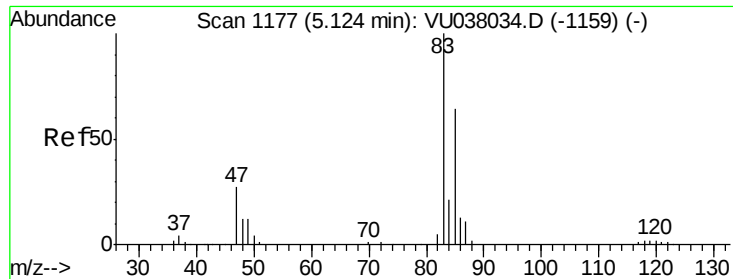
2-Butanone
 Concen: 1.934 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU038039.D
 Acq: 07 May 2020 15:24

Tgt Ion: 43 Resp: 15936
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

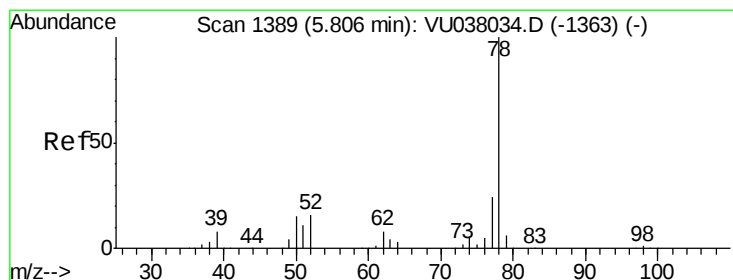
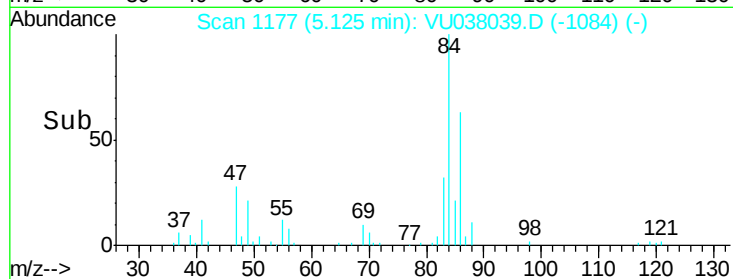
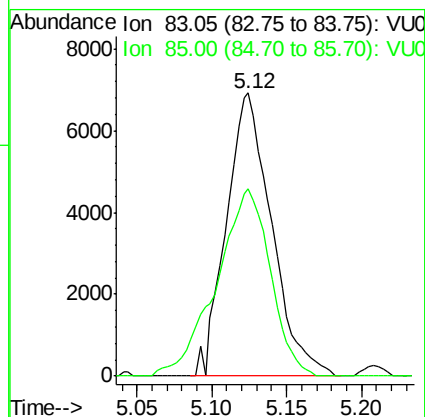
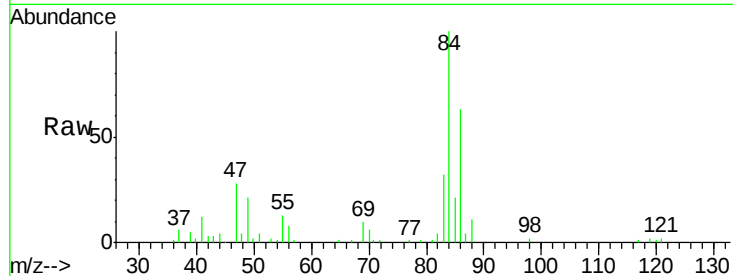




#25
Chloroform
Concen: 0.319 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038039.D
Acq: 07 May 2020 15:24

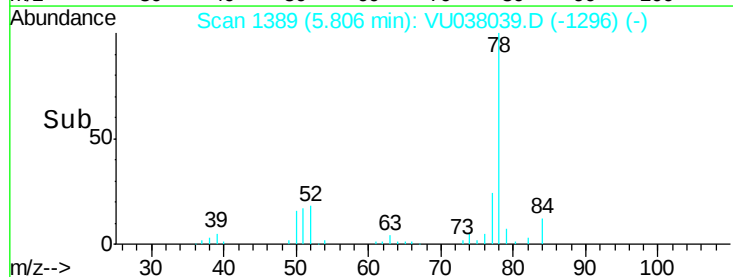
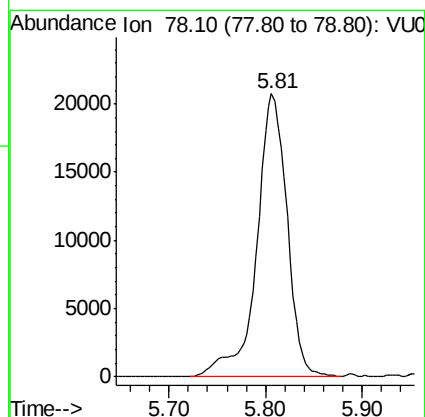
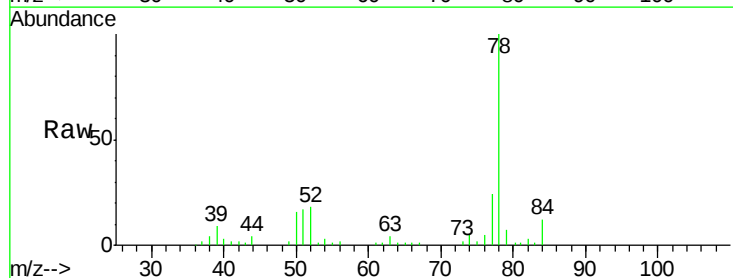
Instrument :
MSVOA_U
ClientSampleId :
BFSG9

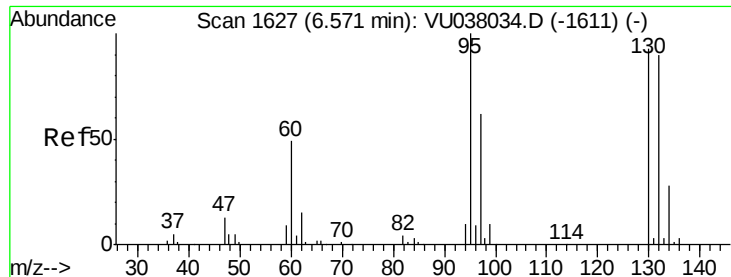
Tot Ion: 83 Resp: 14541
Ion Ratio Lower Upper
83 100
85 66.2 46.2 85.8



#33
Benzene
Concen: 0.439 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU038039.D
Acq: 07 May 2020 15:24

Tgt Ion: 78 Resp: 45451

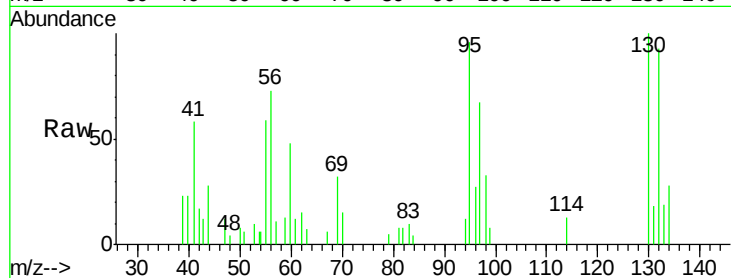




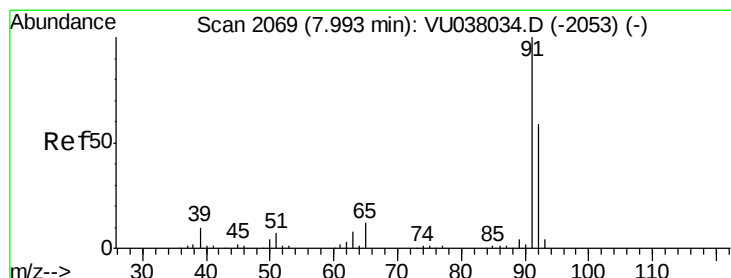
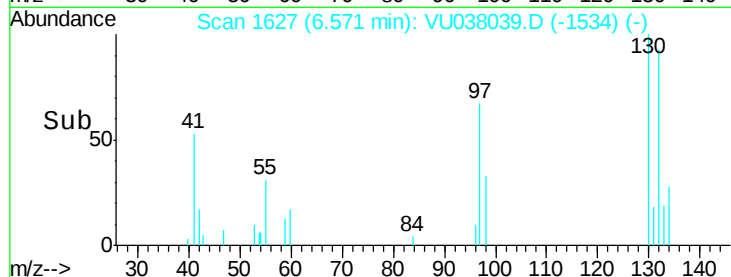
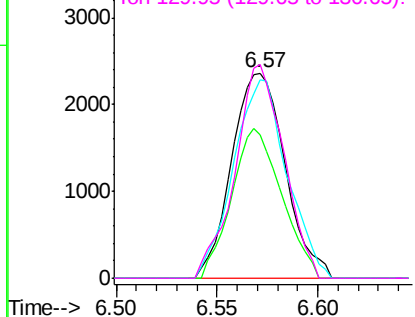
#34
 Trichloroethene
 Concen: 0.169 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038039.D
 Acq: 07 May 2020 15:24

Instrument :
 MSVOA_U
 ClientSampled :
 BFGSG9

Tot Ion: 95 Resp: 4381
 Ion Ratio Lower Upper
 95 100
 97 69.7 44.9 83.3
 132 96.8 63.3 117.5
 130 104.3 65.7 122.1

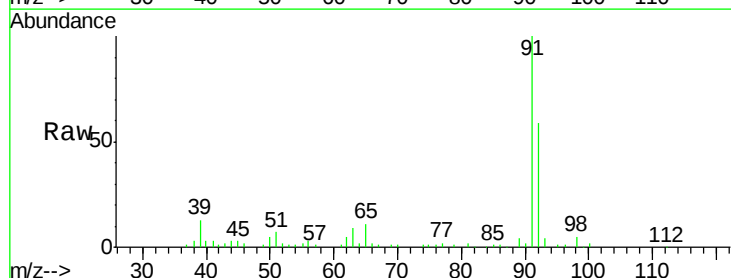


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

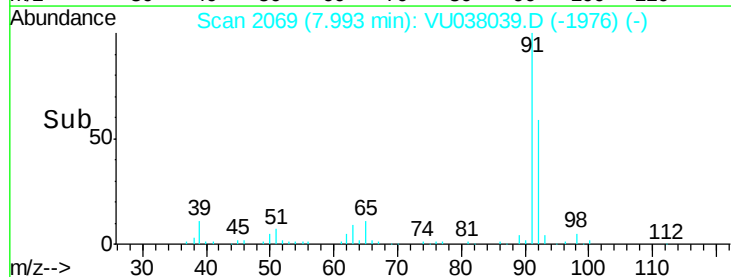
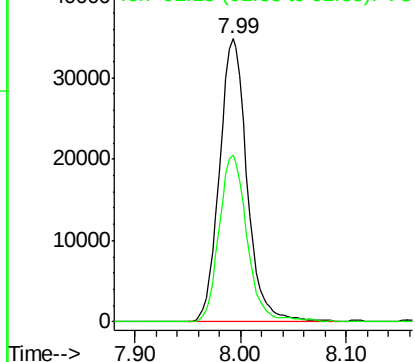


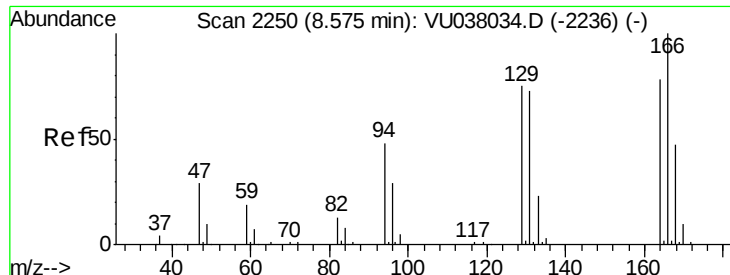
#42
 Toluene
 Concen: 0.579 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU038039.D
 Acq: 07 May 2020 15:24

Tgt Ion: 91 Resp: 63221
 Ion Ratio Lower Upper
 91 100
 92 58.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 0.099 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038039.D

Acq: 07 May 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

BFSG9

Tot Ion:164 Resp: 1788

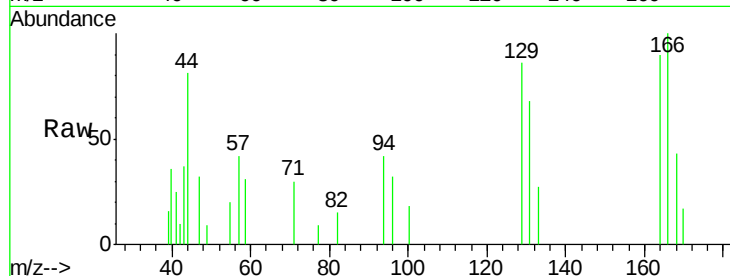
Ion Ratio Lower Upper

164 100

129 96.0 68.8 127.8

131 75.2 66.8 124.2

166 111.4 88.9 165.1

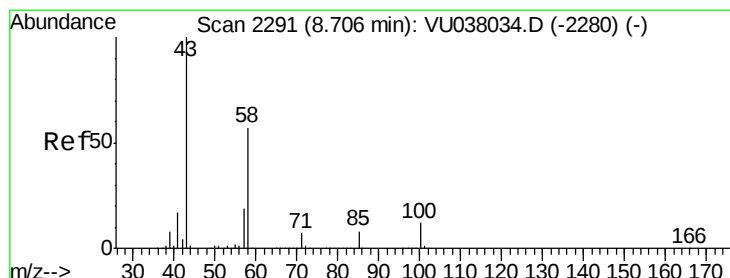
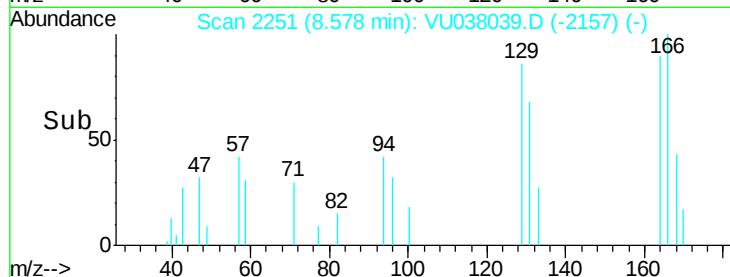
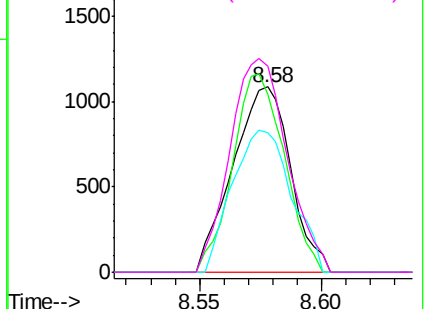


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.573 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038039.D

Acq: 07 May 2020 15:24

Tgt Ion: 43 Resp: 36704

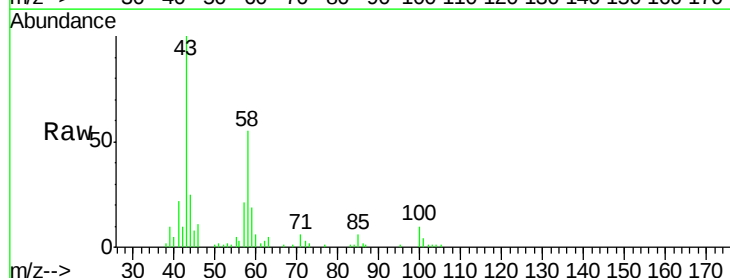
Ion Ratio Lower Upper

43 100

58 51.7 45.2 67.8

57 24.4 15.5 23.3#

100 10.1 9.5 14.3

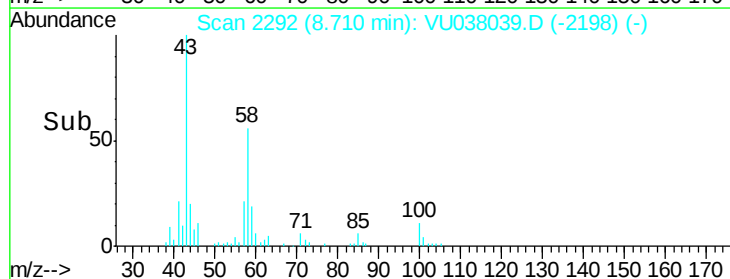
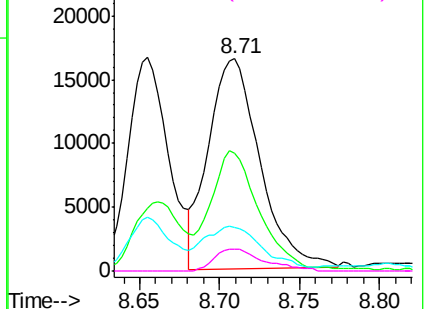


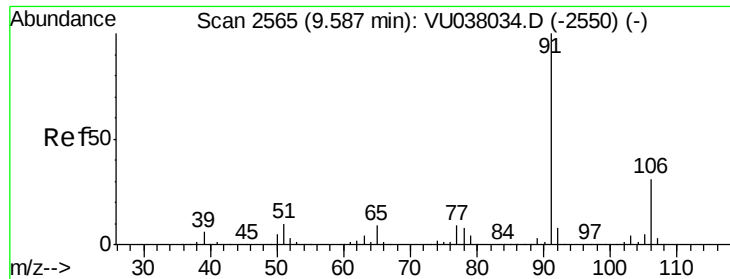
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#52

Ethylbenzene

Concen: 0.178 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038039.D

Acq: 07 May 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

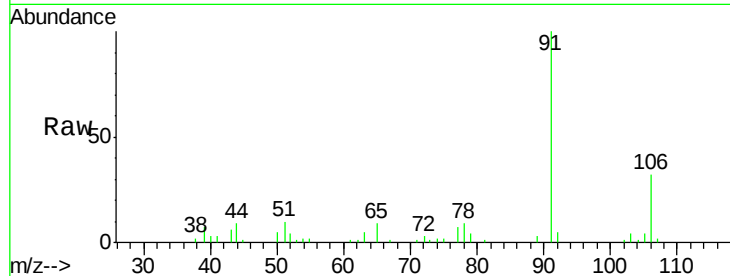
BFSG9

Tot Ion: 91 Resp: 21062

Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038039.D (-2550) (-)

Ion 106.15 (105.85 to 106.85): VU038039.D (-2550) (-)

9.59

15000

10000

5000

0

Time-->

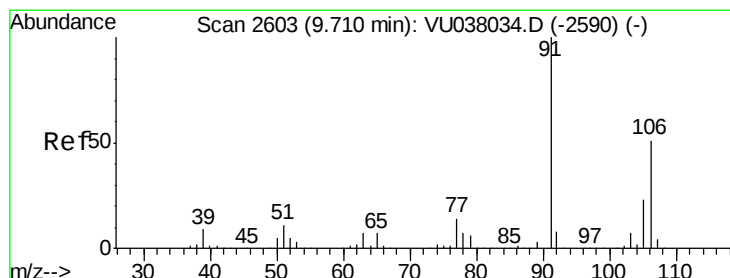
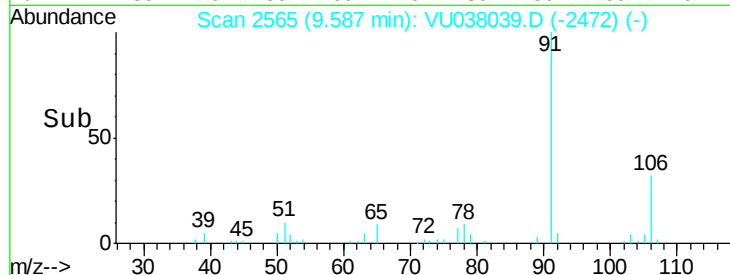
9.50

9.55

9.60

9.65

9.70



#53

m,p-Xylene

Concen: 0.122 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038039.D

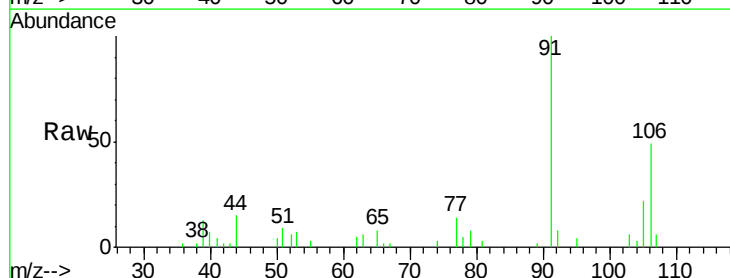
Acq: 07 May 2020 15:24

Tgt Ion: 106 Resp: 5532

Ion Ratio Lower Upper

106 100

91 204.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038039.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038039.D (-2590) (-)

9.71

8000

6000

4000

2000

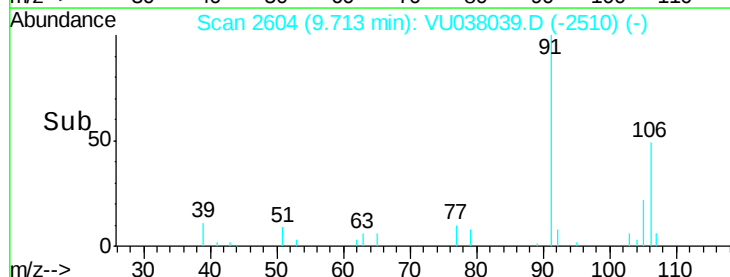
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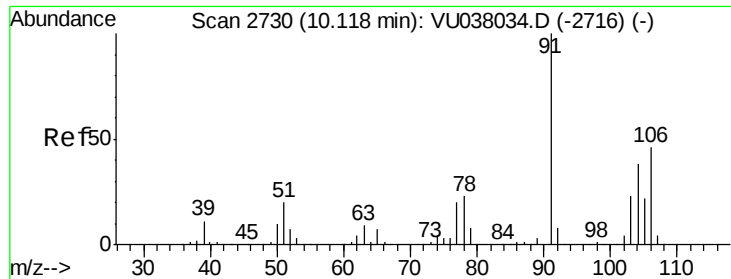
Time-->

9.65

9.70

9.75





#54
o-Xylene
Concen: 0.068 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038039.D
Acq: 07 May 2020 15:24

Instrument :
MSVOA_U
ClientSampleId :
BFSG9

Tot Ion:106 Resp: 2967
Ion Ratio Lower Upper
106 100
91 230.8 148.5 275.9

