

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041735.D
 Acq On : 22 Dec 2020 12:39
 Operator : SY/MD
 Sample : L5185-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4R8

Quant Time: Dec 23 04:37:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138126	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35784	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.92	69	40661	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	66278	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.65	46	164161	52.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.84%
24) Chloroform-d	5.08	84	88630	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	50650	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	169484	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	56194	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.90	98	140938	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	22997	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	144556	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53713	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56181	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

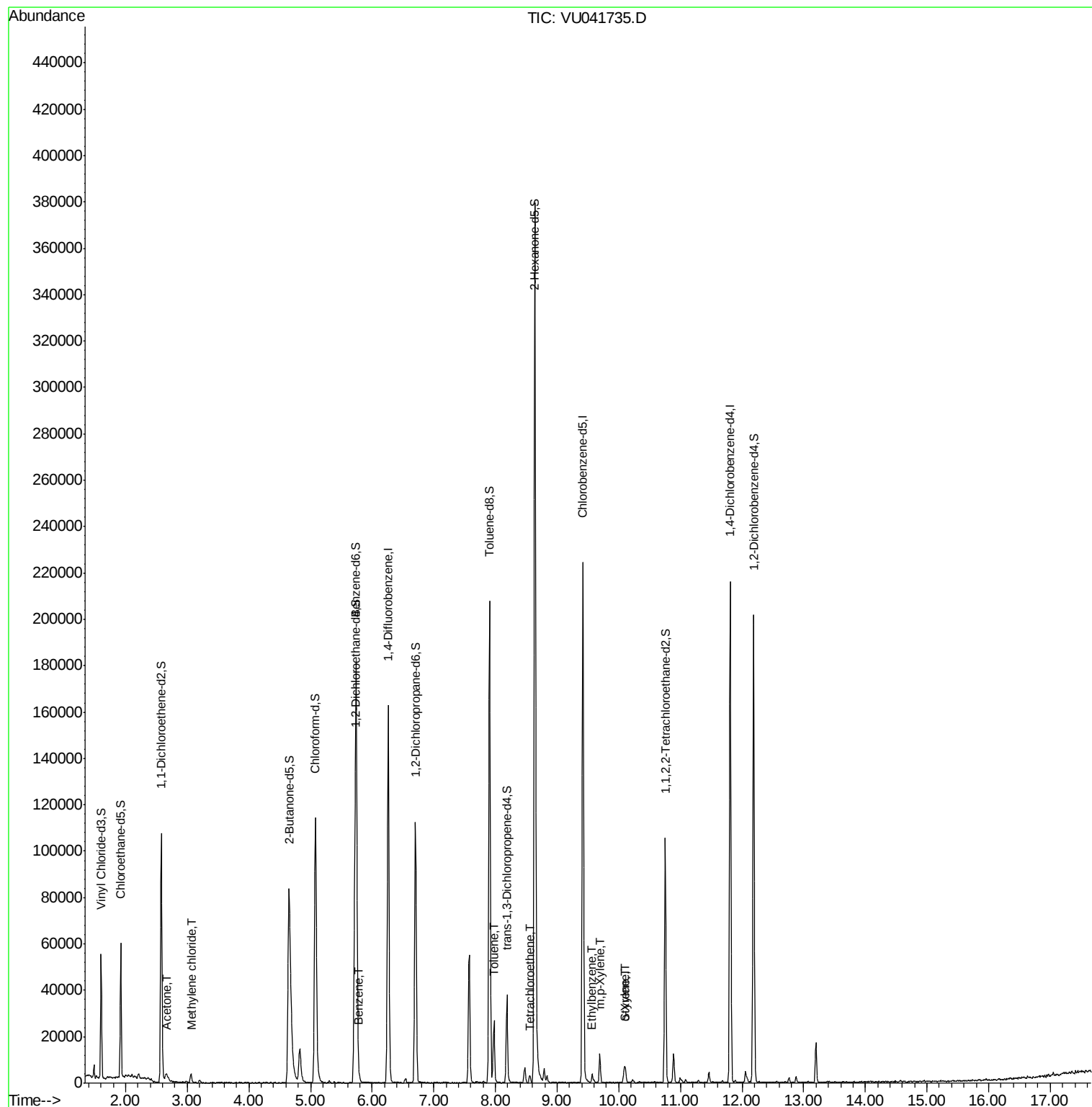
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	7205	3.652	ug/L	87
16) Methylene chloride	3.06	84	2073	0.185	ug/L	92
33) Benzene	5.79	78	2180	0.051	ug/L	100
42) Toluene	7.98	91	20493	0.468	ug/L	99
47) Tetrachloroethene	8.56	164	828	0.111	ug/L	75
52) Ethylbenzene	9.57	91	3081	0.066	ug/L	98
53) m,p-Xylene	9.69	106	3801	0.219	ug/L	78
54) o-Xylene	10.10	106	1749	0.103	ug/L	98
55) Styrene	10.11	104	1531	0.052	ug/L	95

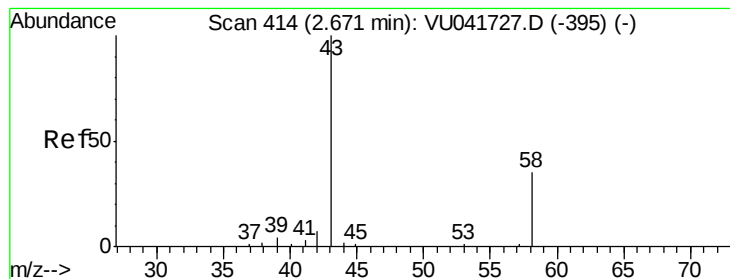
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 04:05:15 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.652 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

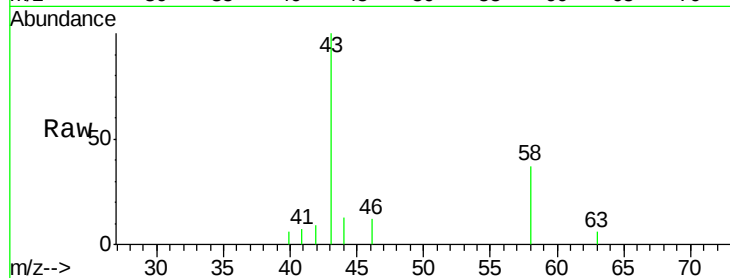
BG4R8

Tot Ion: 43 Resp: 7205

Ion Ratio Lower Upper

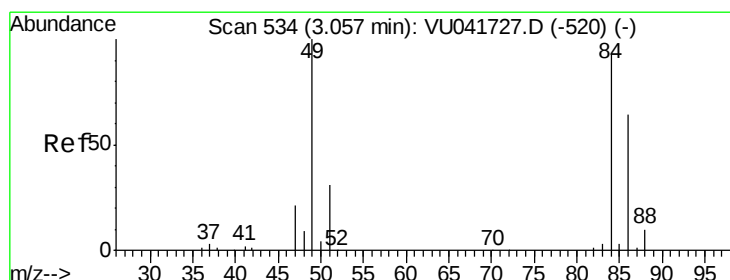
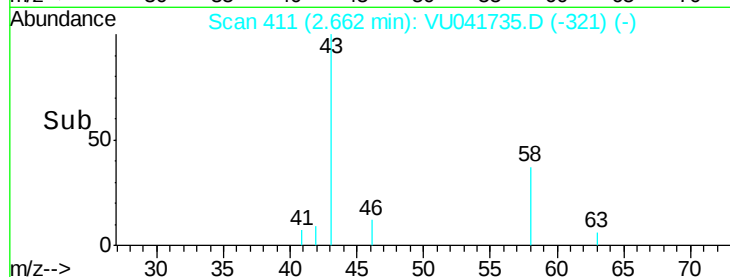
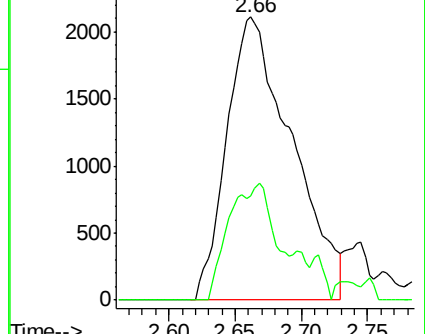
43 100

58 29.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.185 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

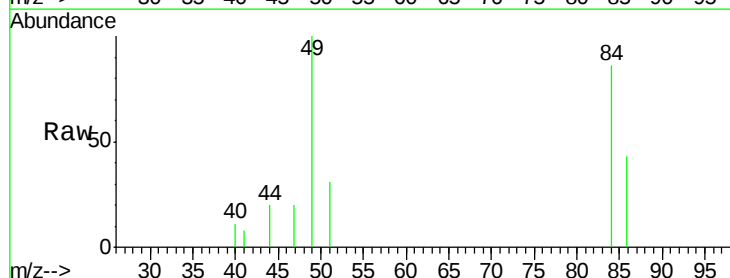
Tgt Ion: 84 Resp: 2073

Ion Ratio Lower Upper

84 100

86 50.0 45.1 83.7

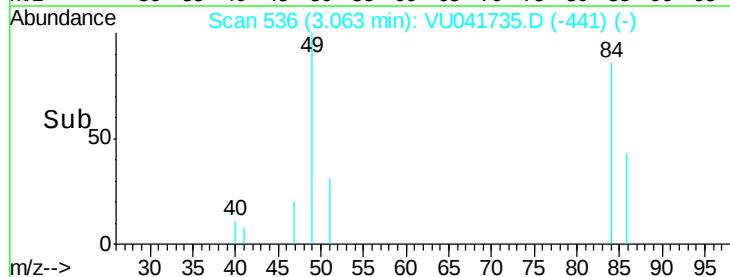
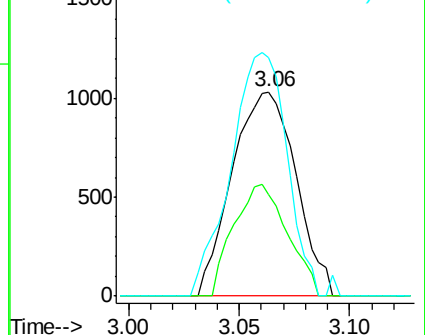
49 116.7 83.1 154.3

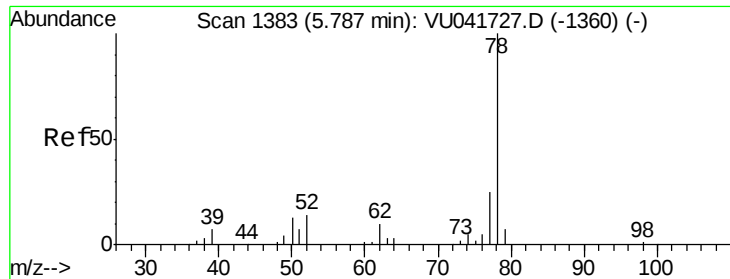


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#33

Benzene

Concen: 0.051 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

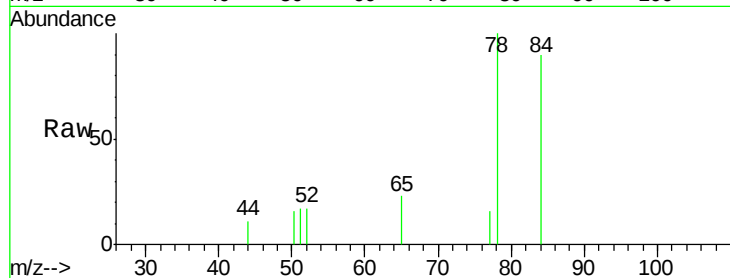
Instrument :

MSVOA_U

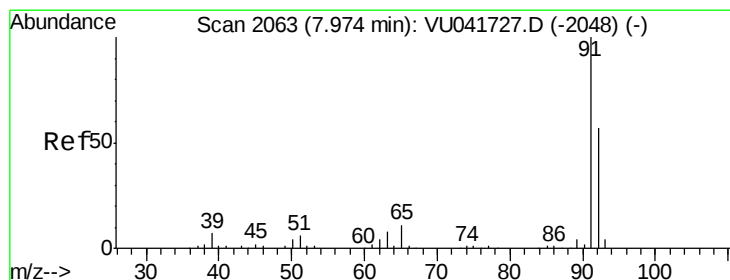
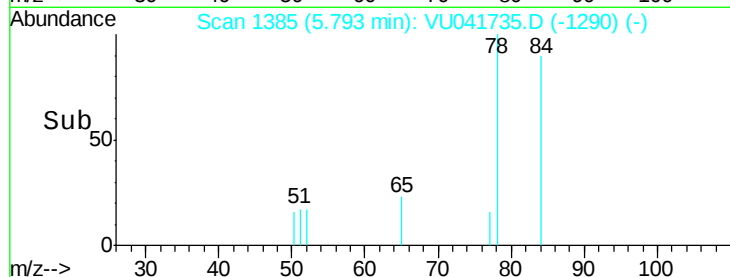
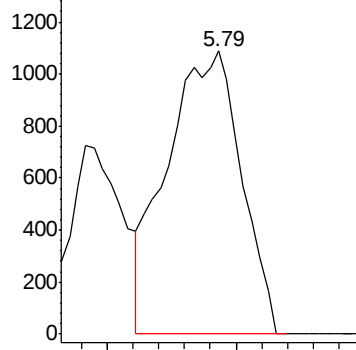
ClientSampled :

BG4R8

Tgt Ion: 78 Resp: 2180



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.468 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041735.D

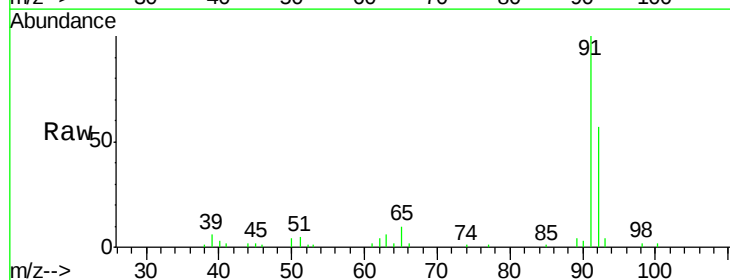
Acq: 22 Dec 2020 12:39

Tgt Ion: 91 Resp: 20493

Ion Ratio Lower Upper

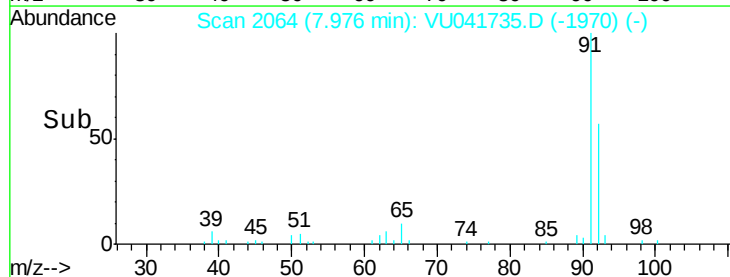
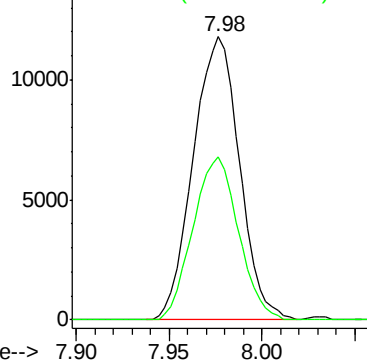
91 100

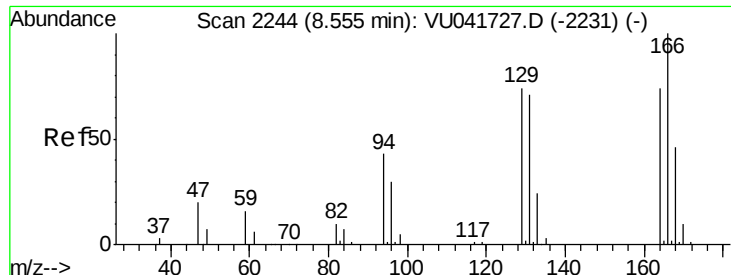
92 57.5 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 0.111 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

BG4R8

Tot Ion:164 Resp: 828

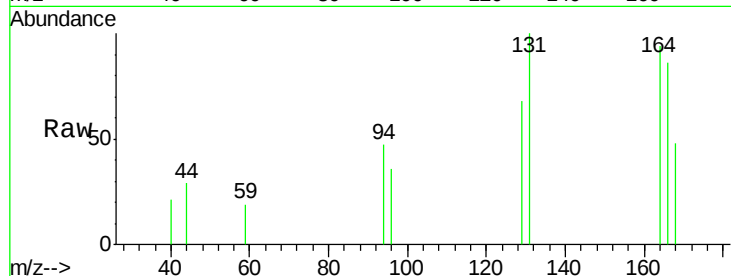
Ion Ratio Lower Upper

164 100

129 72.5 72.2 134.0

131 106.0 66.9 124.3

166 91.4 89.6 166.4

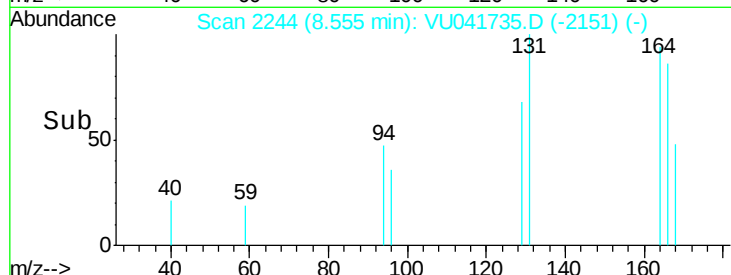
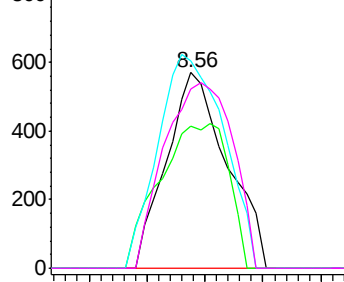


Abundance Ion 163.90 (163.60 to 164.60): V

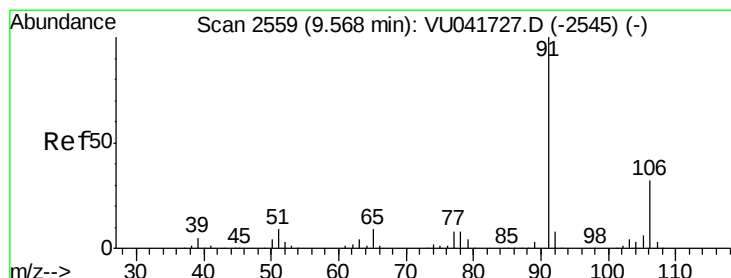
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->



#52

Ethylbenzene

Concen: 0.066 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041735.D

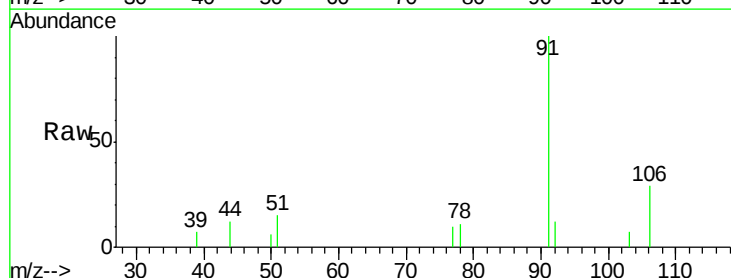
Acq: 22 Dec 2020 12:39

Tgt Ion: 91 Resp: 3081

Ion Ratio Lower Upper

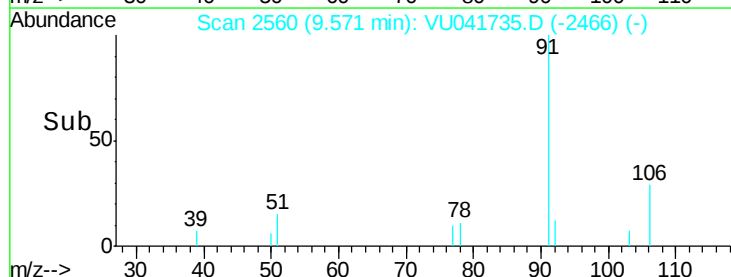
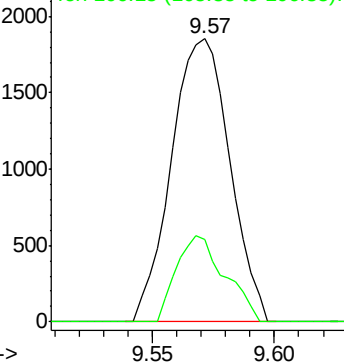
91 100

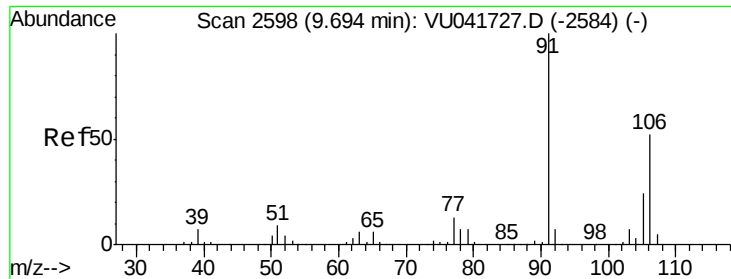
106 28.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.219 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

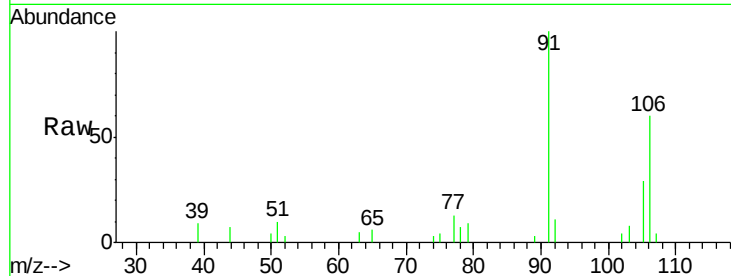
BG4R8

Tot Ion:106 Resp: 3801

Ion Ratio Lower Upper

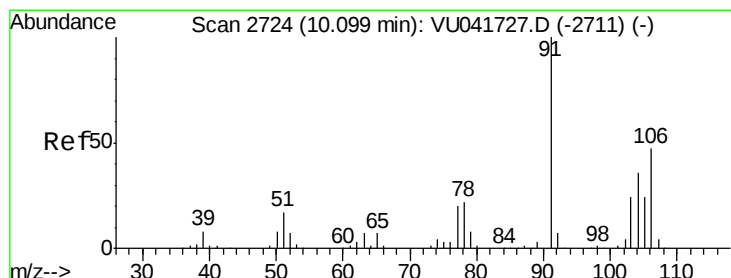
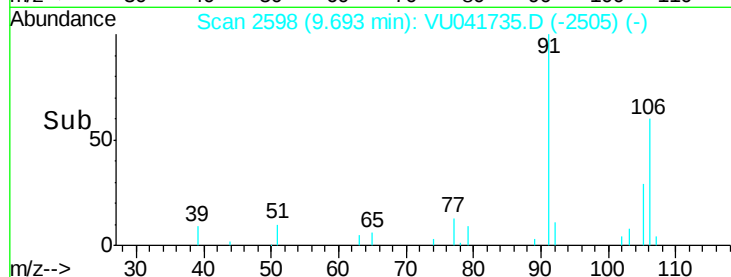
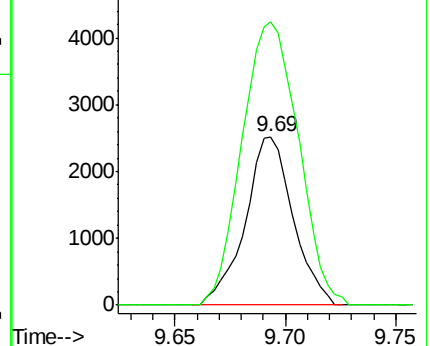
106 100

91 167.9 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.103 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041735.D

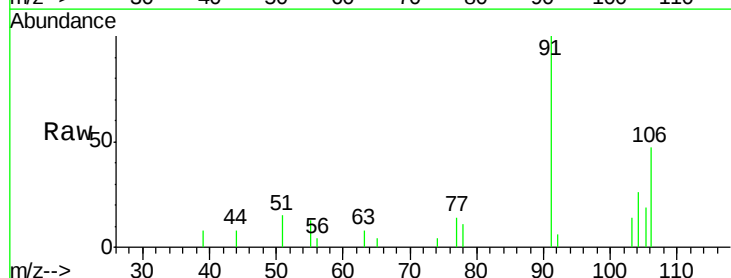
Acq: 22 Dec 2020 12:39

Tgt Ion:106 Resp: 1749

Ion Ratio Lower Upper

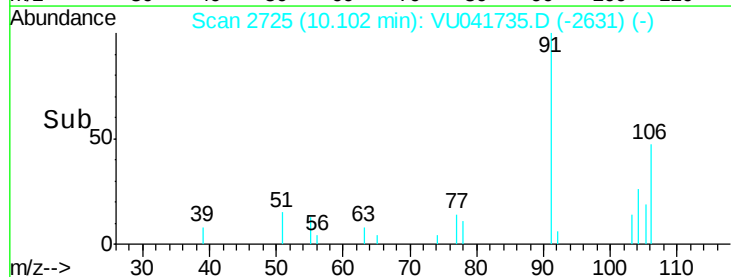
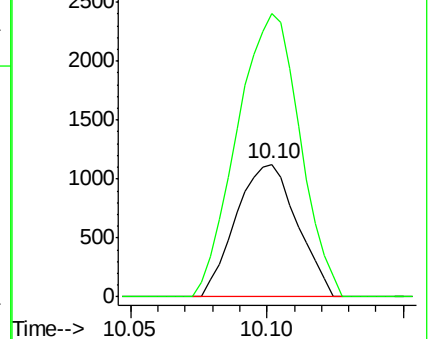
106 100

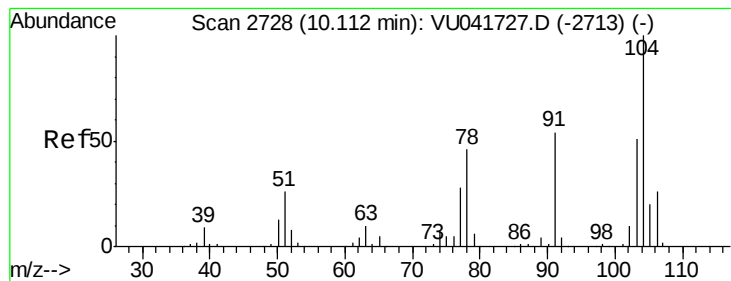
91 213.2 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Stvrene

Concen: 0.052 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

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ClientSampleId :

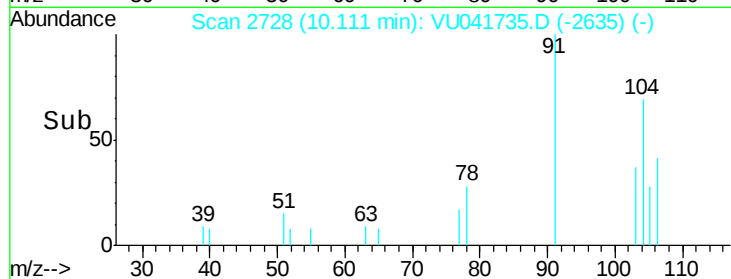
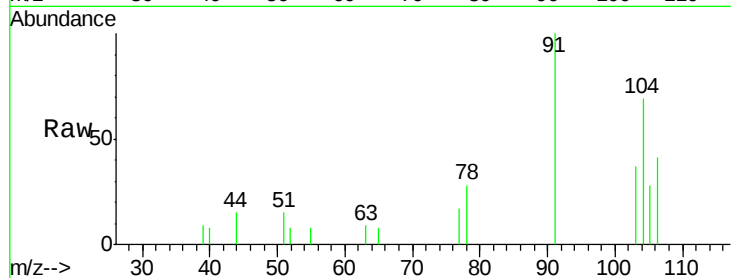
BG4R8

Tot Ion:104 Resp: 1531

Ion Ratio Lower Upper

104 100

78 41.0 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

