

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040320.D
 Acq On : 25 Sep 2020 23:16
 Operator : SY/MD
 Sample : L4139-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A1

Quant Time: Sep 26 07:56:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	148780	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	143202	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69361	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34714	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.92	69	33368	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.58	63	60279	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.66	46	198434	61.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.14%
24) Chloroform-d	5.08	84	84297	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.72	65	53360	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.74	84	158518	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.70	67	55909	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.90	98	131223	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	21613	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.64	63	140805	58.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48874	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55138	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

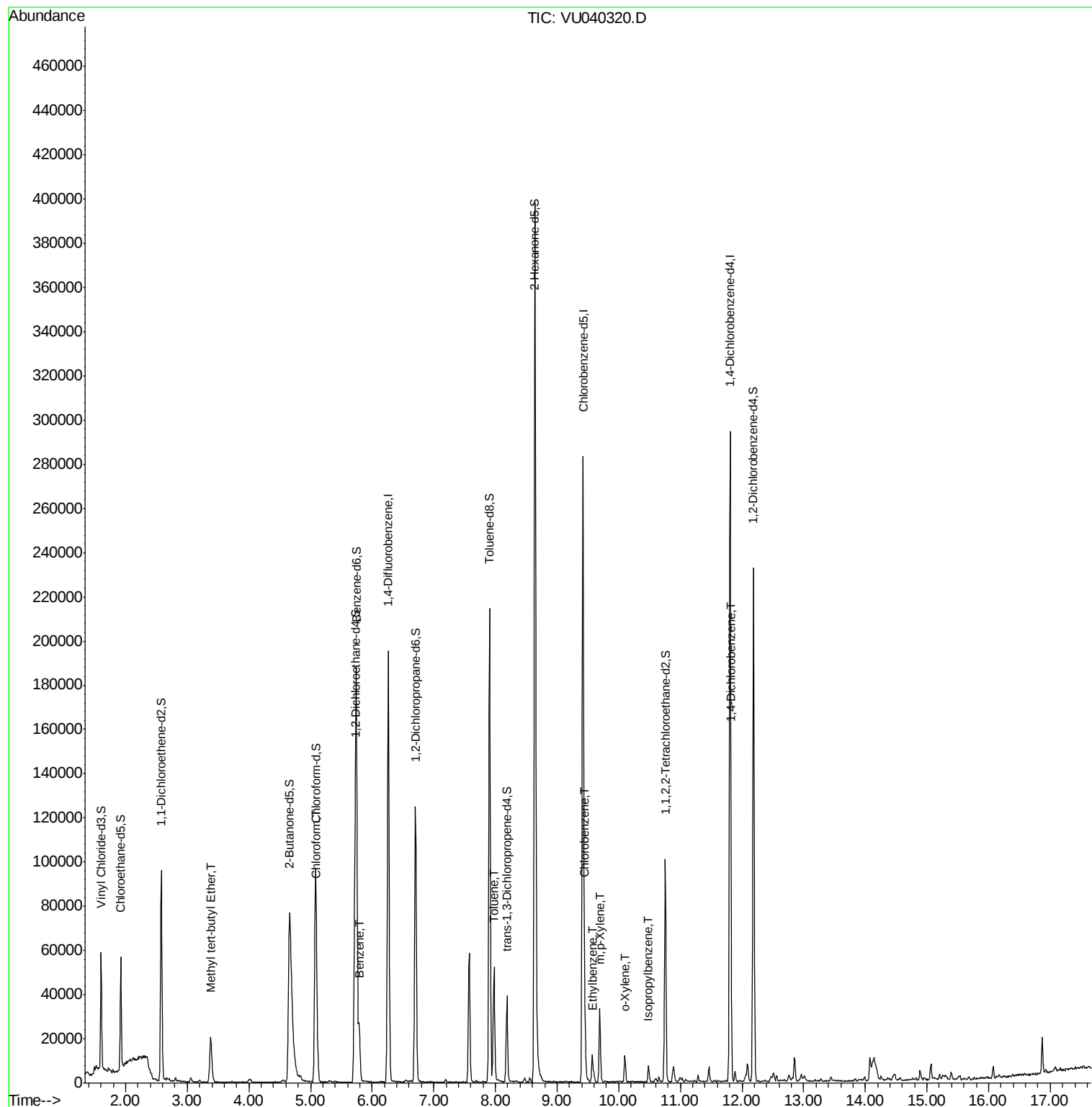
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	3.38	73	22267	0.642	ug/L #	88
25) Chloroform	5.11	83	12306	0.471	ug/L	93
33) Benzene	5.79	78	24353	0.475	ug/L	100
42) Toluene	7.98	91	36148	0.685	ug/L	95
51) Chlorobenzene	9.45	112	15755	0.481	ug/L	98
52) Ethylbenzene	9.57	91	8753	0.146	ug/L	99
53) m,p-Xylene	9.69	106	9409	0.441	ug/L	91
54) o-Xylene	10.10	106	3257	0.160	ug/L	77
56) Isopropylbenzene	10.48	105	4503	0.081	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	1831	0.071	ug/L #	82

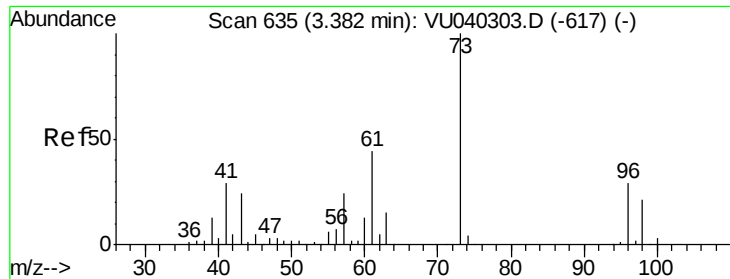
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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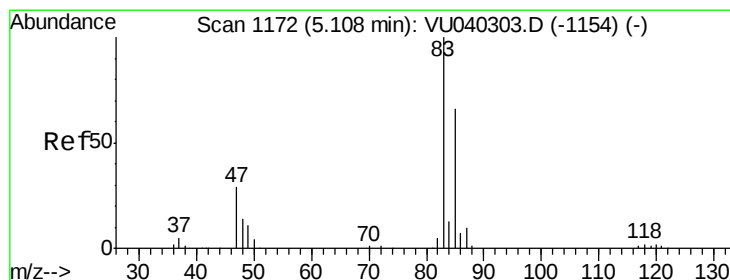
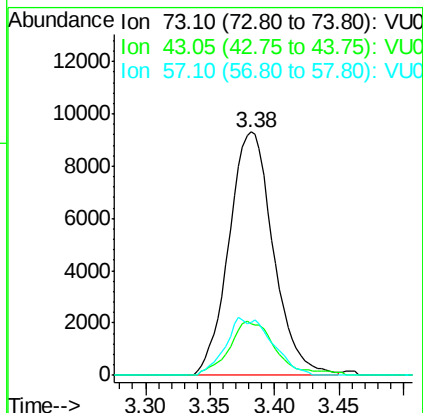
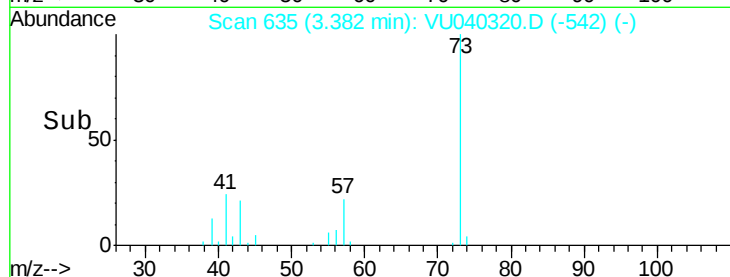
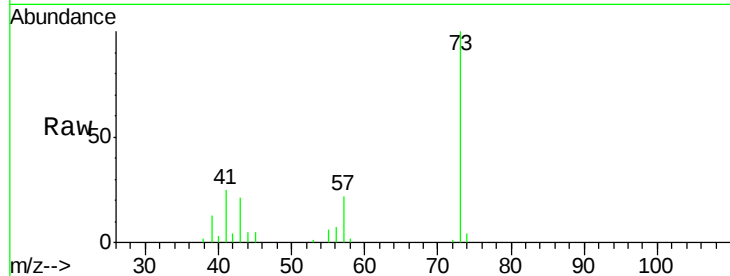




#17
Methvl tert-butvl Ether
Concen: 0.642 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040320.D
Acq: 25 Sep 2020 23:16

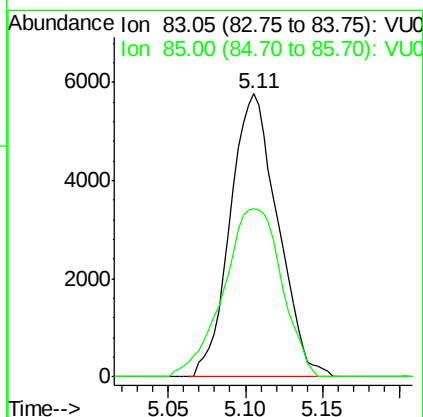
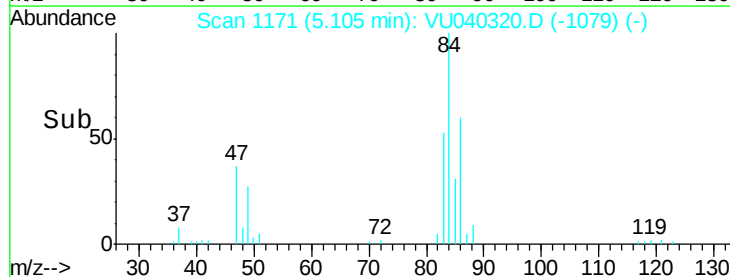
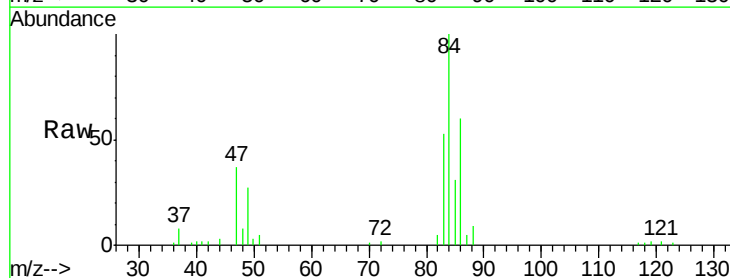
Instrument :
MSVOA_U
ClientSampleId :
BG4A1

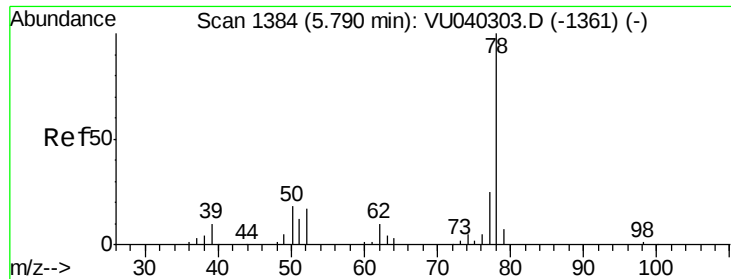
Tot Ion: 73 Resp: 22267
Ion Ratio Lower Upper
73 100
43 22.7 19.1 28.7
57 11.8 18.3 27.5#



#25
Chloroform
Concen: 0.471 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040320.D
Acq: 25 Sep 2020 23:16

Tgt Ion: 83 Resp: 12306
Ion Ratio Lower Upper
83 100
85 59.3 45.3 84.1





#33

Benzene

Concen: 0.475 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040320.D

Acq: 25 Sep 2020 23:16

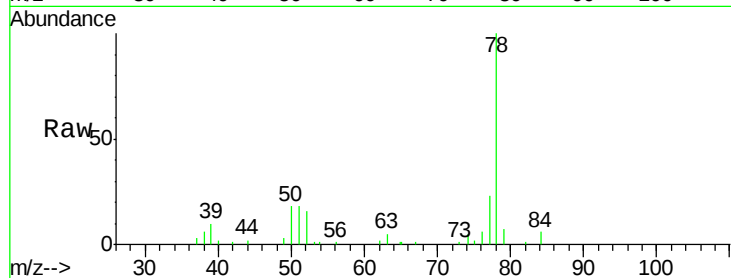
Instrument :

MSVOA_U

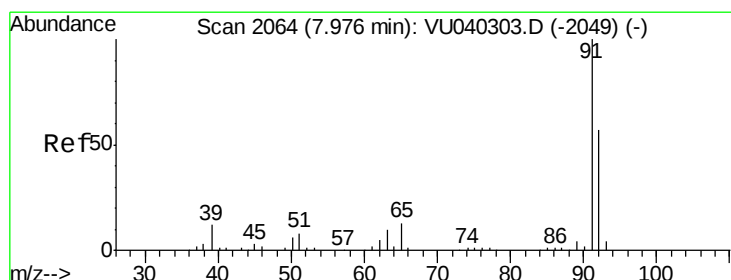
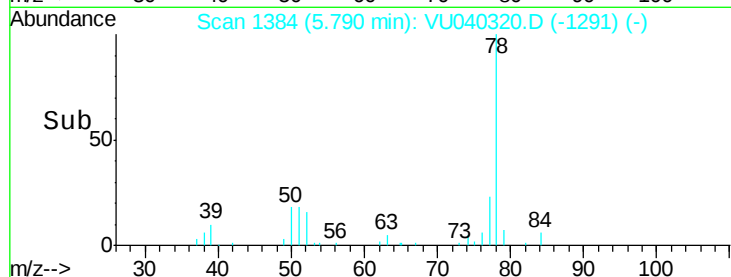
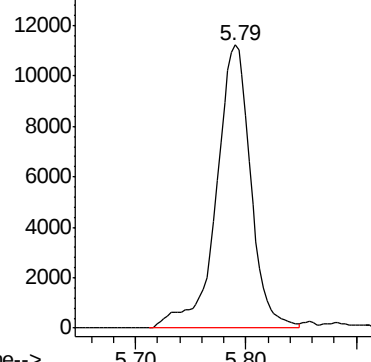
ClientSampleId :

BG4A1

Tgt Ion: 78 Resp: 24353



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.685 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040320.D

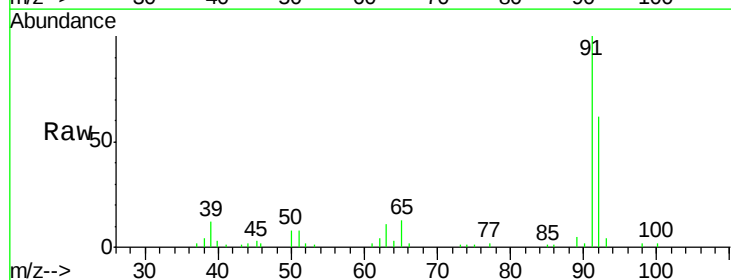
Acq: 25 Sep 2020 23:16

Tgt Ion: 91 Resp: 36148

Ion Ratio Lower Upper

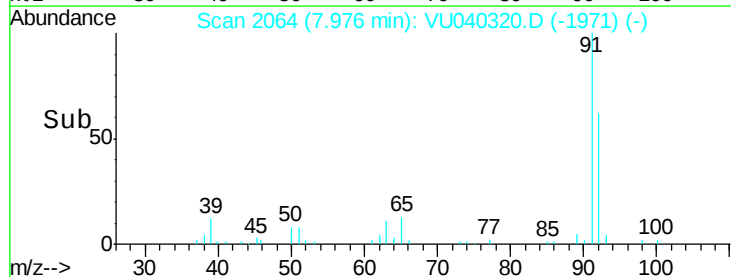
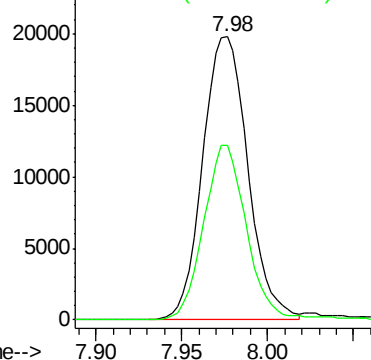
91 100

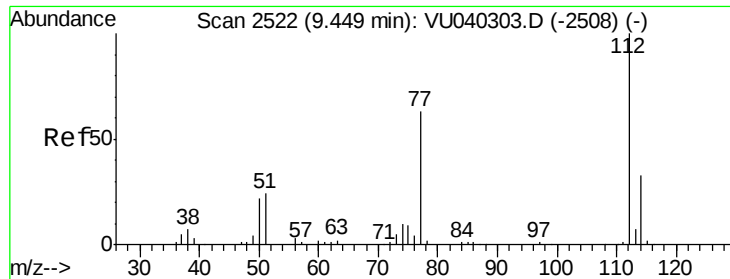
92 61.5 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

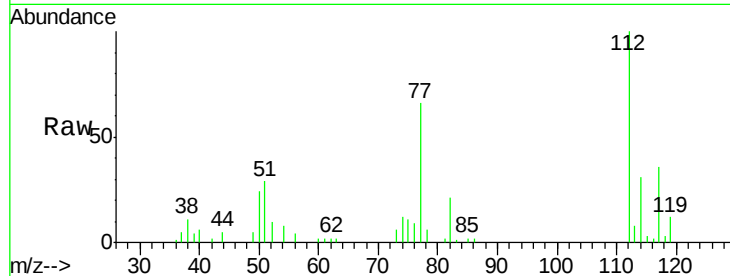




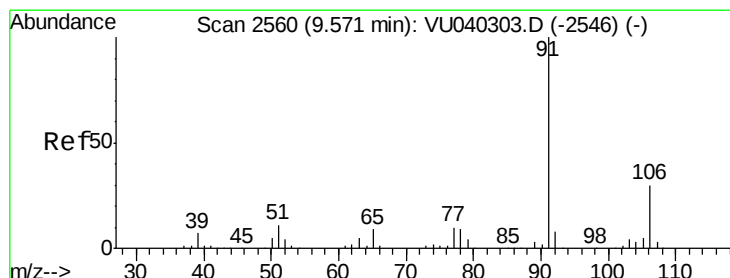
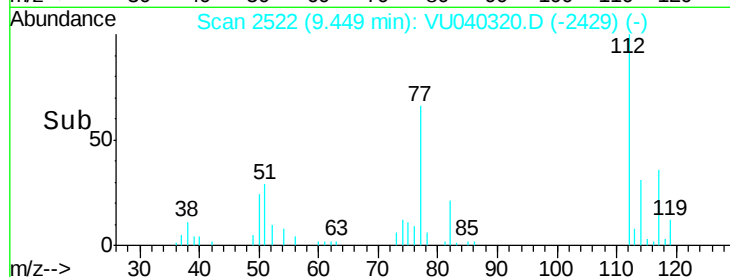
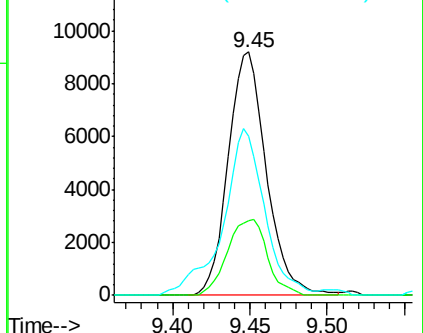
#51
Chlorobenzene
Concen: 0.481 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040320.D
Acq: 25 Sep 2020 23:16

Instrument :
MSVOA_U
ClientSampleId :
BG4A1

Tot Ion: 112 Resp: 15755
Ion Ratio Lower Upper
112 100
114 30.8 22.7 42.3
77 65.6 53.2 79.8

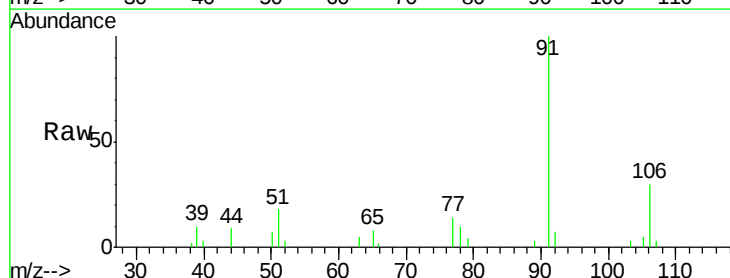


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

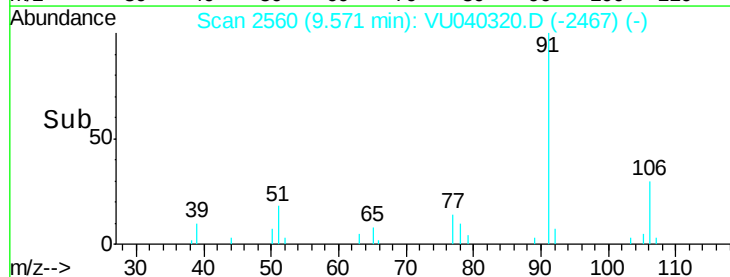
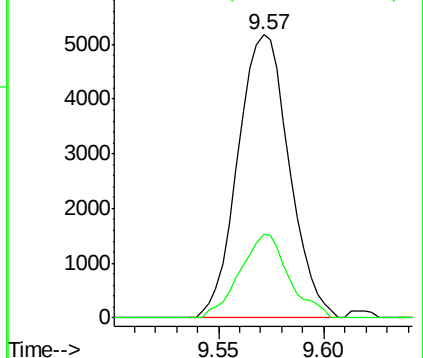


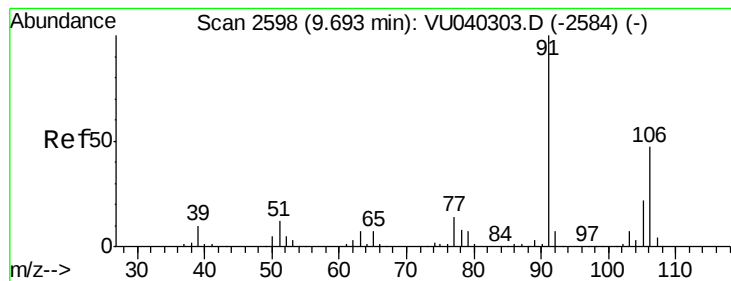
#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040320.D
Acq: 25 Sep 2020 23:16

Tgt Ion: 91 Resp: 8753
Ion Ratio Lower Upper
91 100
106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.441 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040320.D

Acq: 25 Sep 2020 23:16

Instrument :

MSVOA_U

ClientSampled :

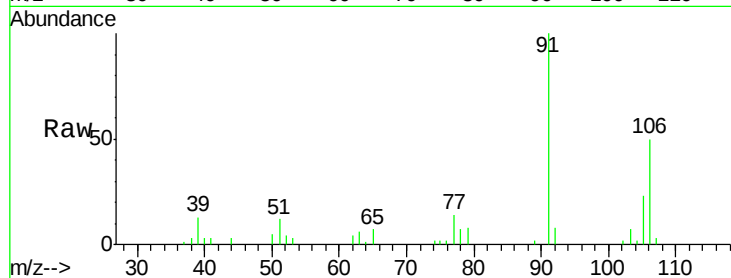
BG4A1

Tot Ion:106 Resp: 9409

Ion Ratio Lower Upper

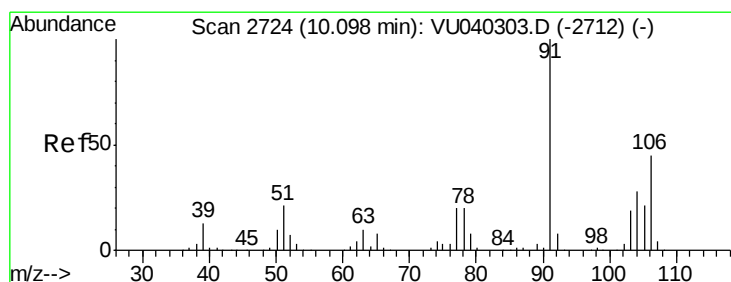
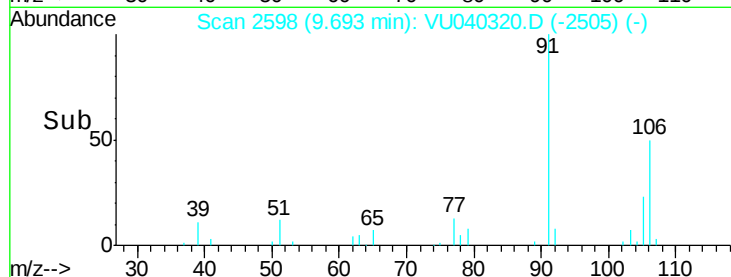
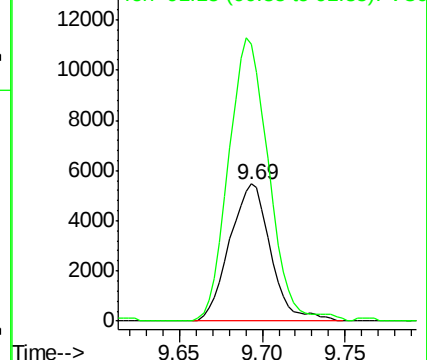
106 100

91 201.9 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.160 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU040320.D

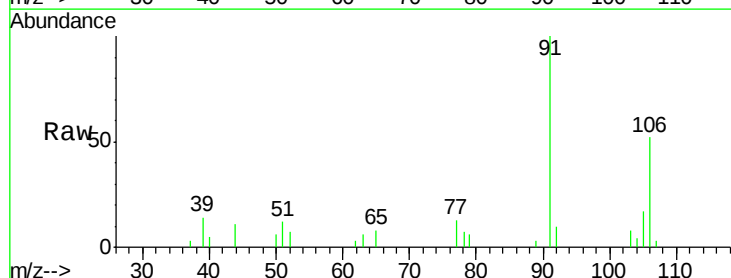
Acq: 25 Sep 2020 23:16

Tgt Ion:106 Resp: 3257

Ion Ratio Lower Upper

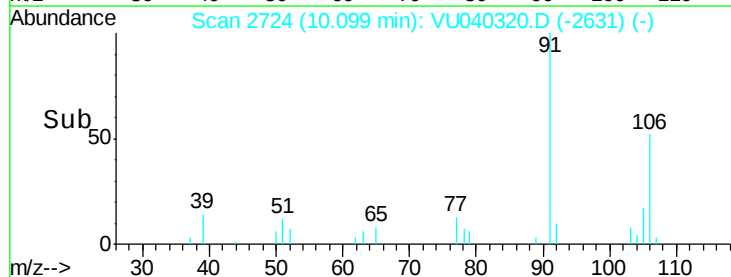
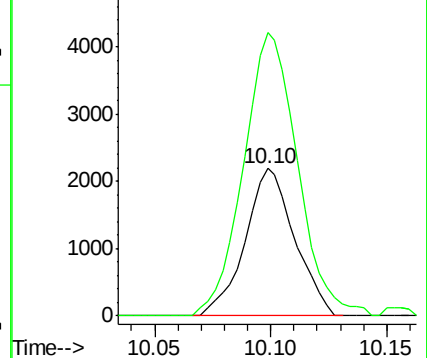
106 100

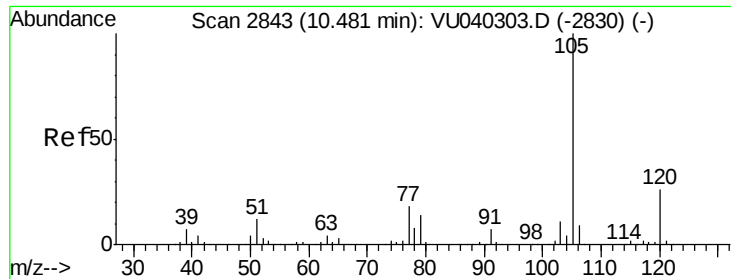
91 192.0 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.081 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040320.D

Acq: 25 Sep 2020 23:16

Instrument :

MSVOA_U

ClientSampled :

BG4A1

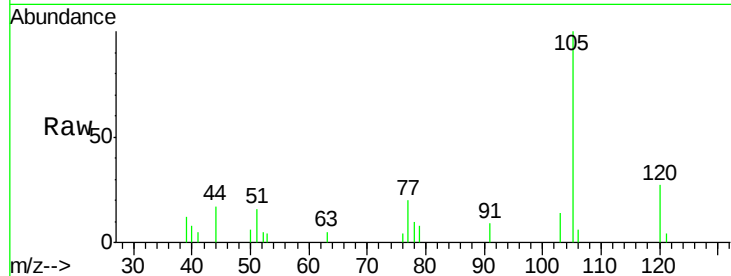
Tot Ion:105 Resp: 4503

Ion Ratio Lower Upper

105 100

120 26.0 20.1 30.1

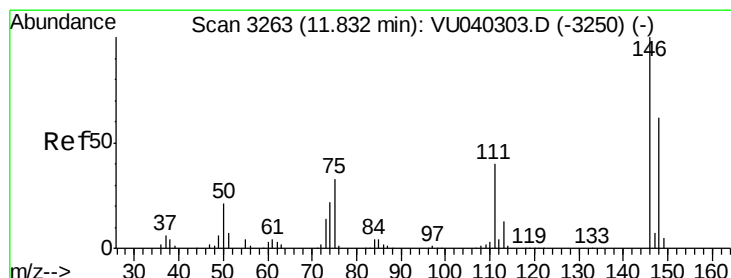
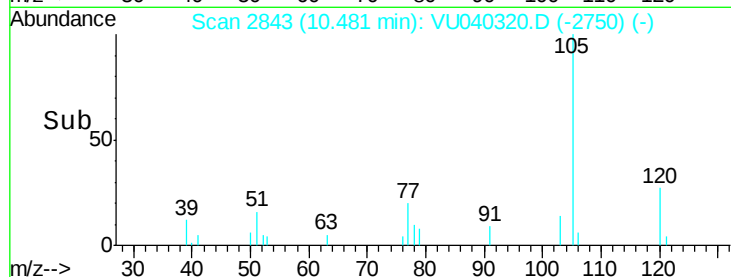
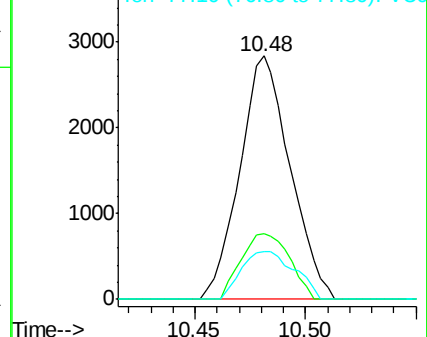
77 20.8 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040320.D

Acq: 25 Sep 2020 23:16

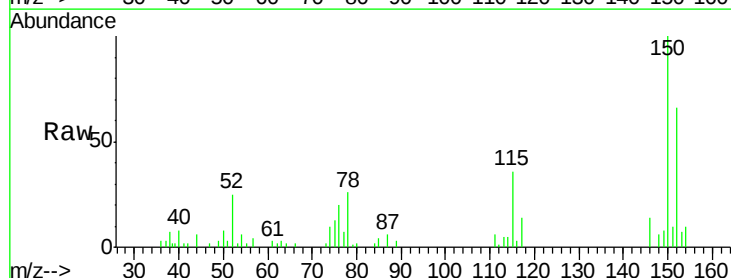
Tgt Ion:146 Resp: 1831

Ion Ratio Lower Upper

146 100

111 43.3 30.5 56.7

148 41.8 45.4 84.4#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

