

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039432.D
 Acq On : 10 Jul 2020 16:06
 Operator : SY/MD
 Sample : L3261-05DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE504DL

Quant Time: Jul 11 03:34:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	94245	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42652	5.00	ug/L	0.00

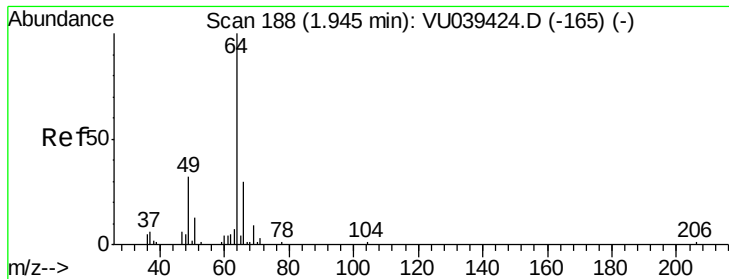
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23156	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.92	69	28163	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	36297	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.65	46	147001	58.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.64%
24) Chloroform-d	5.09	84	59389	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	39401	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	114819	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	39490	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	95857	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.19	79	15827	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	106432	53.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38968	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	40568	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	2006	0.361	ug/L #	80
22) cis-1,2-Dichloroethene	4.69	96	2509	0.361	ug/L	100
33) Benzene	5.79	78	169473	6.303	ug/L	100
42) Toluene	7.98	91	255631	8.878	ug/L	99
51) Chlorobenzene	9.45	112	21841	1.241	ug/L	96
52) Ethylbenzene	9.57	91	36489	1.147	ug/L	98
53) m,p-Xylene	9.70	106	36893	3.077	ug/L	100
54) o-Xylene	10.10	106	11665	0.999	ug/L	94
56) Isopropylbenzene	10.48	105	6441	0.204	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	1431	0.107	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	1438	0.107	ug/L #	82

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



#8

Chloroethane

Concen: 0.361 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039432.D

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Instrument :

MSVOA_U

ClientSampleID :

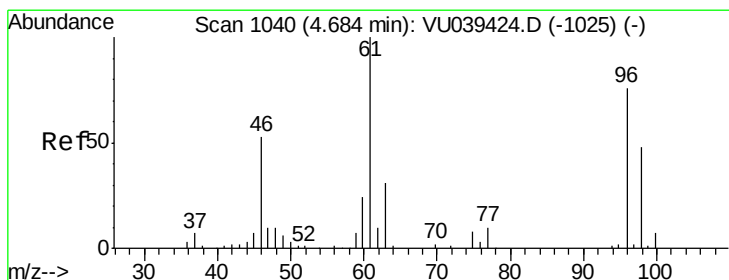
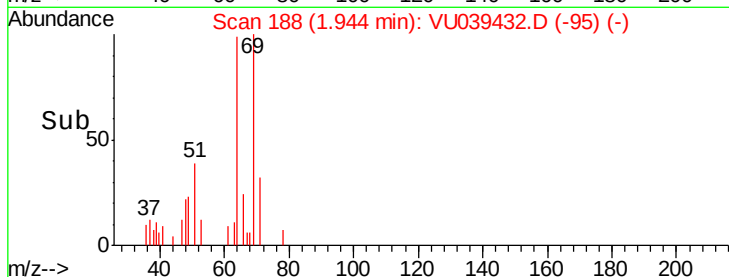
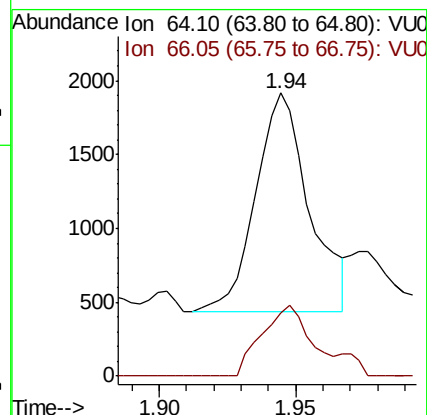
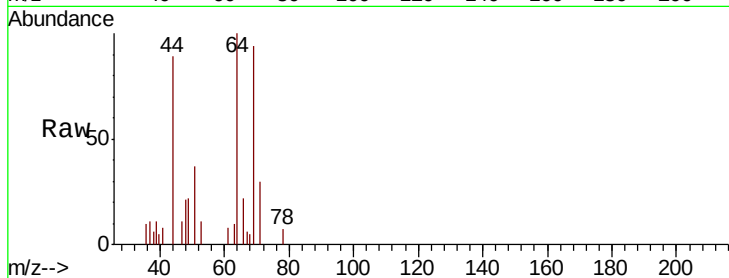
BE504DL

Tot Ion: 64 Resp: 2006

Ion Ratio Lower Upper

64 100

66 22.2 23.5 43.7#



#22

cis-1,2-Dichloroethene

Concen: 0.361 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

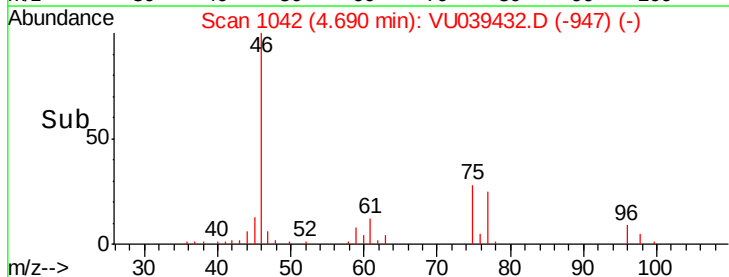
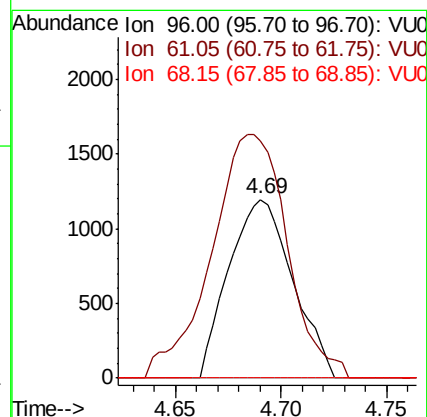
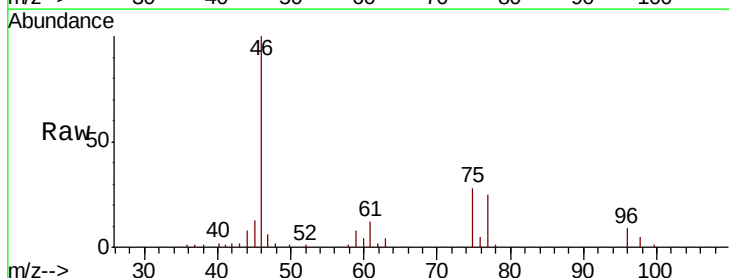
Tgt Ion: 96 Resp: 2509

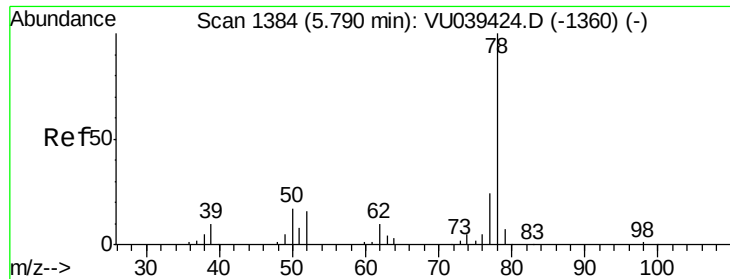
Ion Ratio Lower Upper

96 100

61 132.8 92.8 172.4

68 0.0 0.0 0.0





#33

Benzene

Concen: 6.303 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

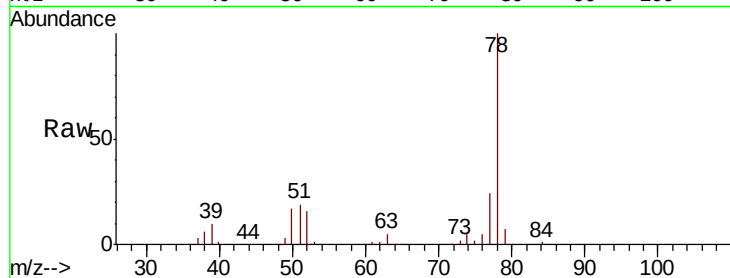
Instrument :

MSVOA_U

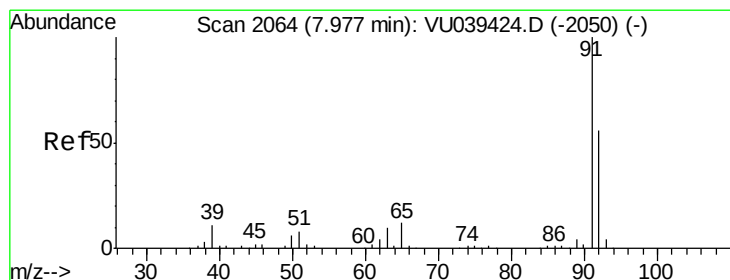
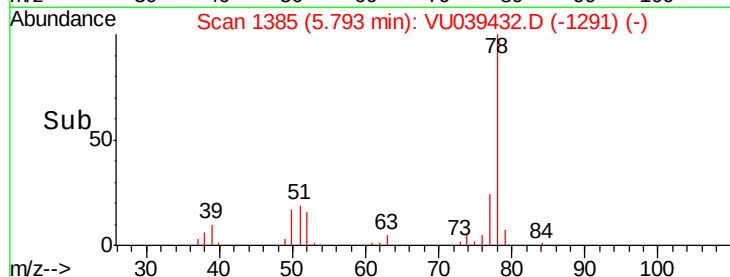
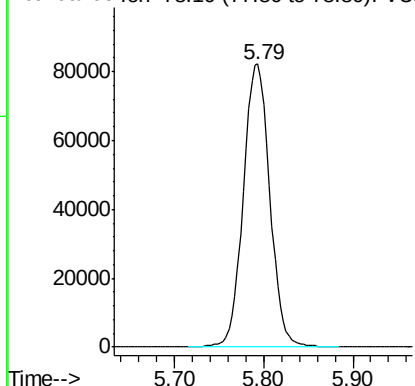
ClientSampleId :

BE504DL

Tgt Ion: 78 Resp: 169473



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 8.878 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039432.D

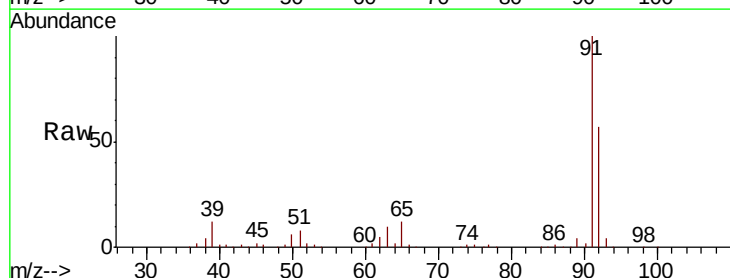
Acq: 10 Jul 2020 16:06

Tgt Ion: 91 Resp: 255631

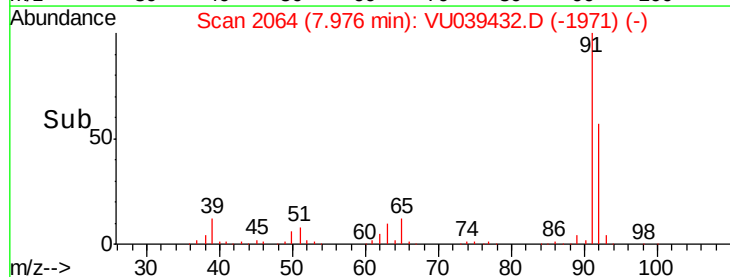
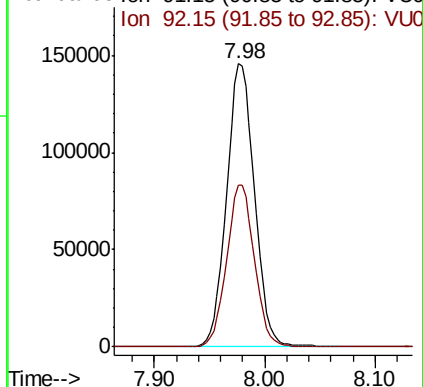
Ion Ratio Lower Upper

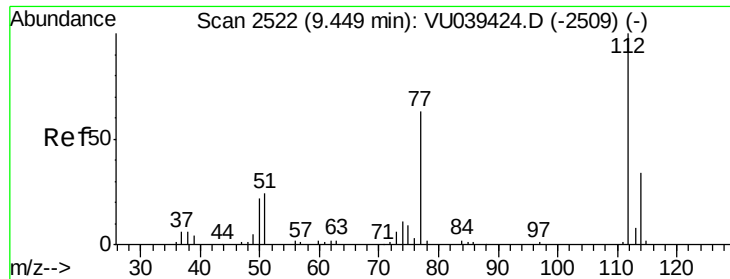
91 100

92 57.0 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0





#51

Chlorobenzene

Concen: 1.241 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

BE504DL

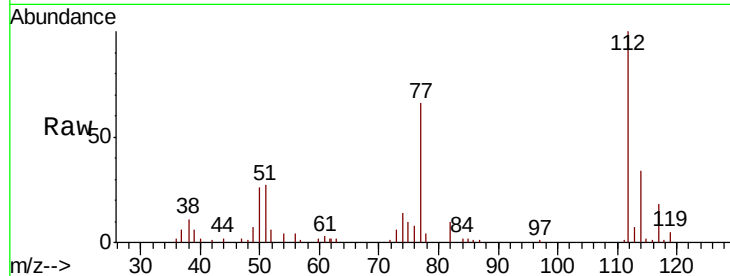
Tot Ion:112 Resp: 21841

Ion Ratio Lower Upper

112 100

114 34.5 22.1 41.1

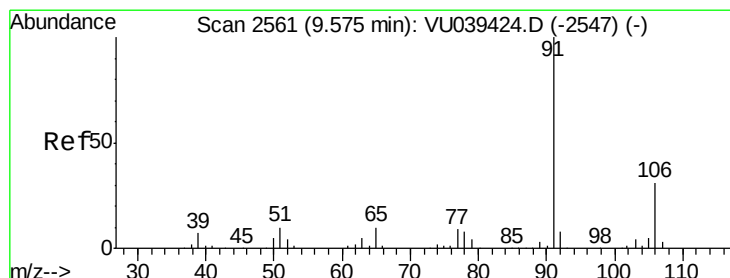
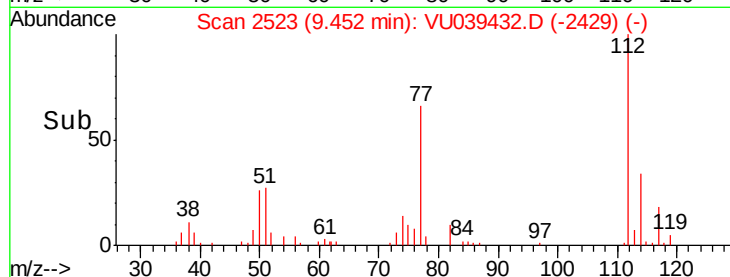
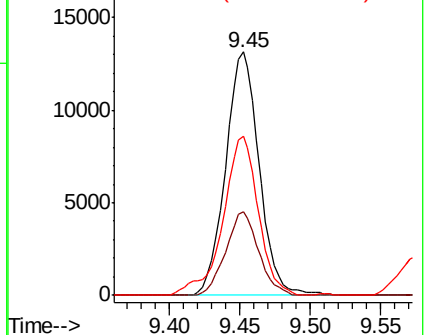
77 65.5 49.9 74.9



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): VU



#52

Ethylbenzene

Concen: 1.147 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039432.D

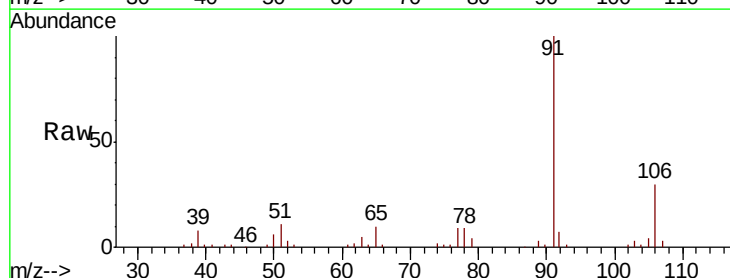
Acq: 10 Jul 2020 16:06

Tgt Ion: 91 Resp: 36489

Ion Ratio Lower Upper

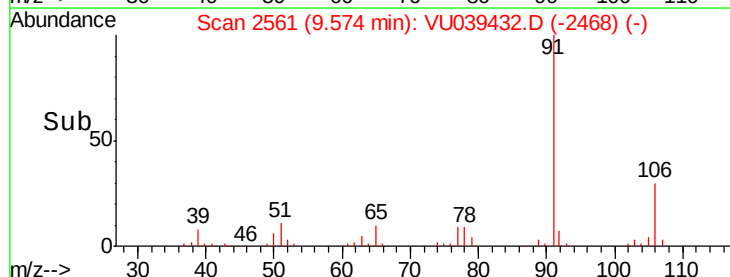
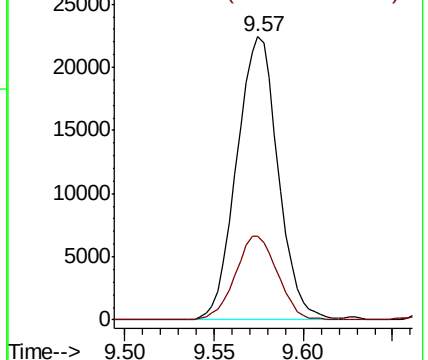
91 100

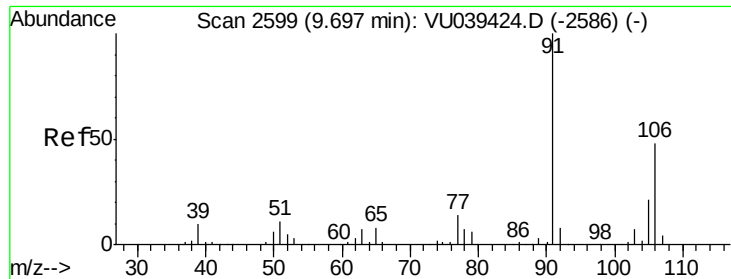
106 29.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 3.077 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

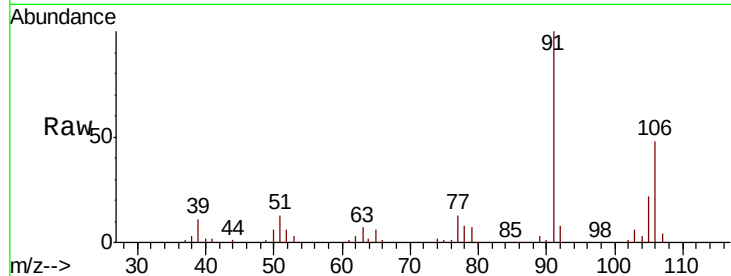
BE504DL

Tot Ion:106 Resp: 36893

Ion Ratio Lower Upper

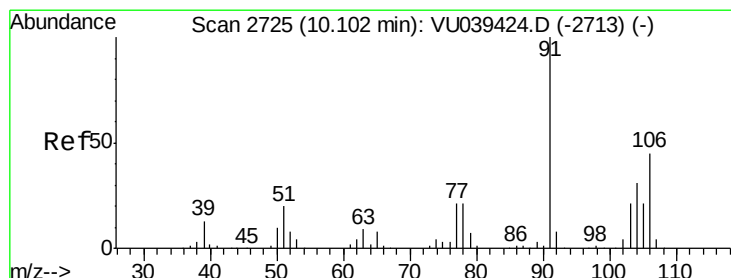
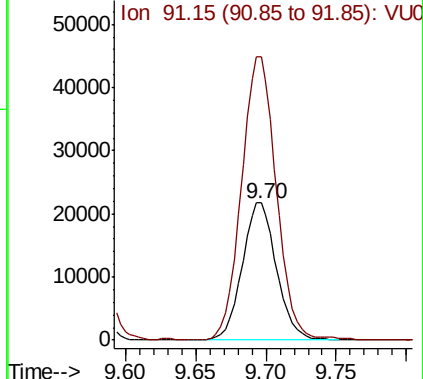
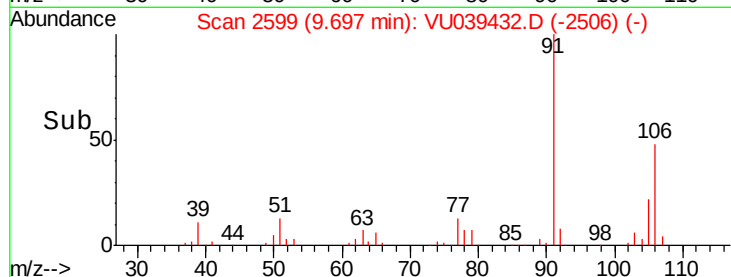
106 100

91 206.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.999 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039432.D

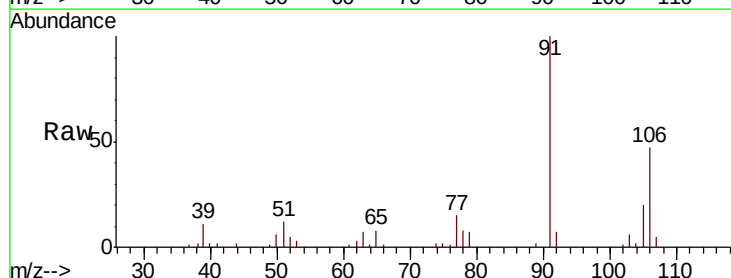
Acq: 10 Jul 2020 16:06

Tgt Ion:106 Resp: 11665

Ion Ratio Lower Upper

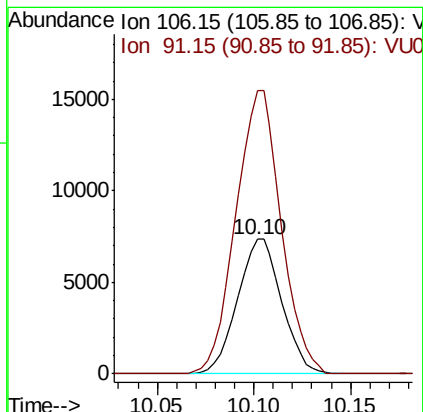
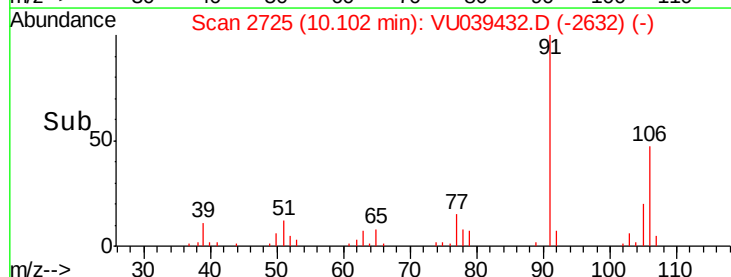
106 100

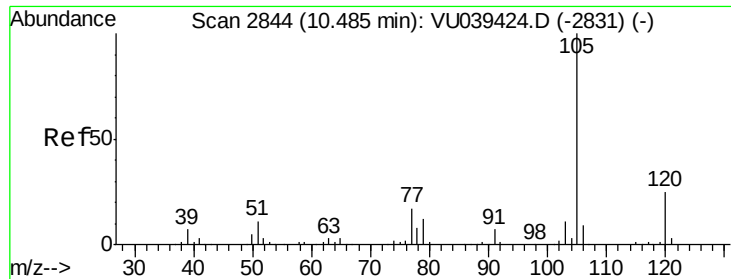
91 210.7 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.204 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampled :

BE504DL

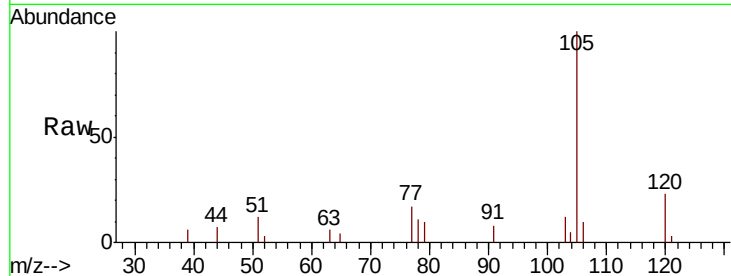
Tot Ion:105 Resp: 6441

Ion Ratio Lower Upper

105 100

120 23.9 20.7 31.1

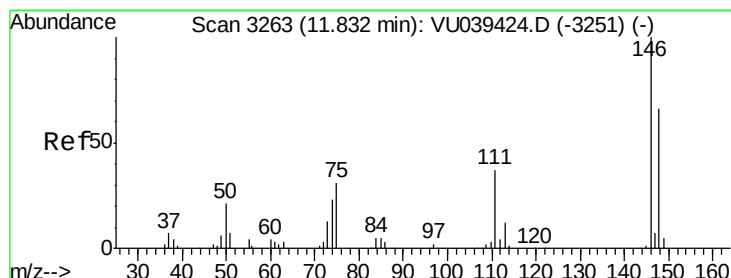
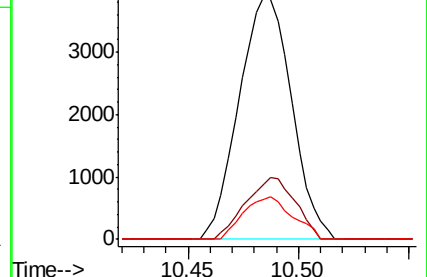
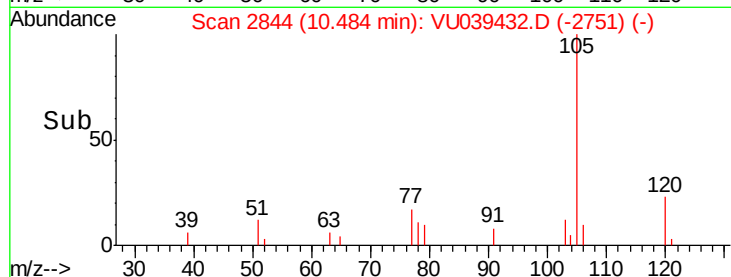
77 16.3 13.9 20.9



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: 0.107 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

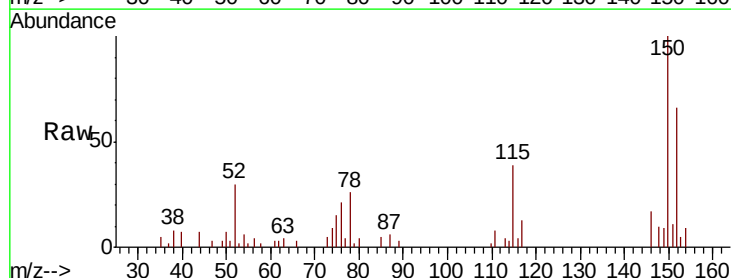
Tgt Ion:146 Resp: 1431

Ion Ratio Lower Upper

146 100

111 45.3 28.6 53.0

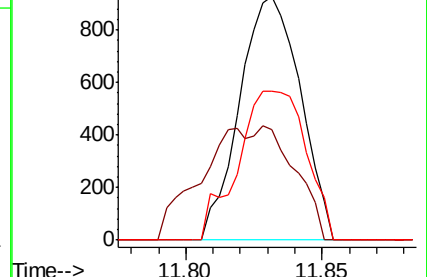
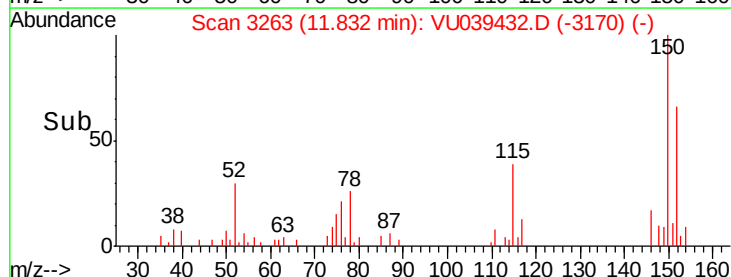
148 61.3 45.0 83.6

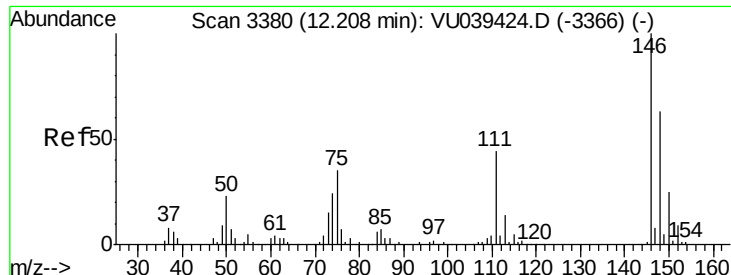


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.107 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BE504DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	66.3	35.0	52.4#
148	67.7	50.6	75.8

