

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038792.D
 Acq On : 10 Jun 2020 21:52
 Operator : SY/MD
 Sample : L2915-01 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E04

Quant Time: Jun 11 03:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 03:42:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	549698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	523594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	248395	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	183165	59.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.28%
7) Chloroethane-d5	1.93	69	147369	61.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.70%
11) 1,1-Dichloroethene-d2	2.59	63	276481	41.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.62%
21) 2-Butanone-d5	4.66	46	360390	120.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.62%
24) Chloroform-d	5.10	84	365817	55.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.50%
26) 1,2-Dichloroethane-d4	5.74	65	252309	57.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.98%
32) Benzene-d6	5.76	84	737308	58.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.92%
36) 1,2-Dichloropropane-d6	6.72	67	225589	58.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.08%
41) Toluene-d8	7.92	98	627268	55.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.08%
43) trans-1,3-Dichloropropene-	8.20	79	109262	55.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.66%
47) 2-Hexanone-d5	8.65	63	255482	123.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	326452	56.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	255919	59.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.68%

Target Compounds

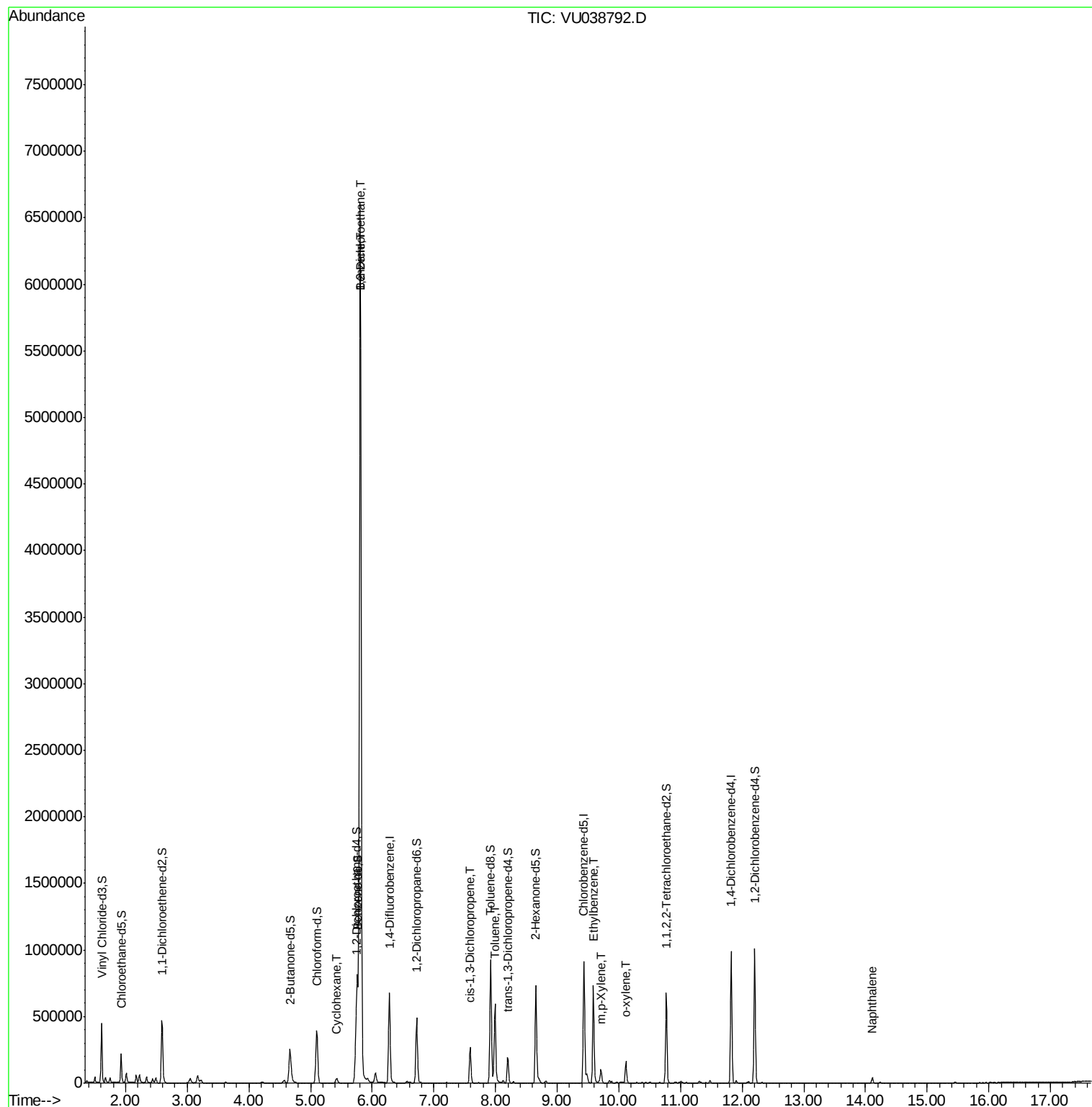
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	55652	9.317	ug/L #	74
29) Cyclohexane	5.42	56	16047	2.679	ug/L	97
33) Benzene	5.81	78	6274334	403.535	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6990	1.119	ug/L #	72
42) Toluene	7.99	91	447977	27.555	ug/L	99
52) Ethylbenzene	9.59	91	535814	29.863	ug/L	99
53) m,p-Xylene	9.71	106	30488	4.427	ug/L	100
54) o-xylene	10.11	106	44587	6.668	ug/L	99
69) Naphthalene	14.11	128	28627	1.560	ug/L	99

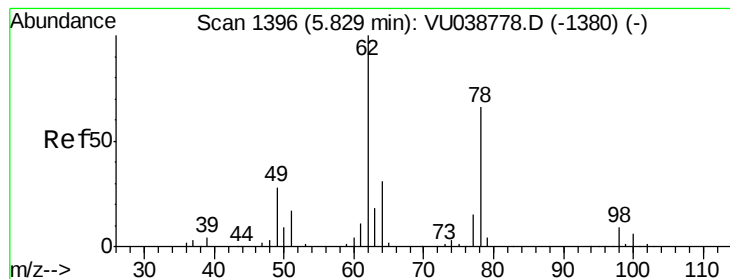
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 03:45:45 2020
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QLast Update : Thu Jun 11 03:42:48 2020
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 9.317 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VU038792.D

Acq: 10 Jun 2020 21:52

Instrument :

MSVOA_U

ClientSampleId :

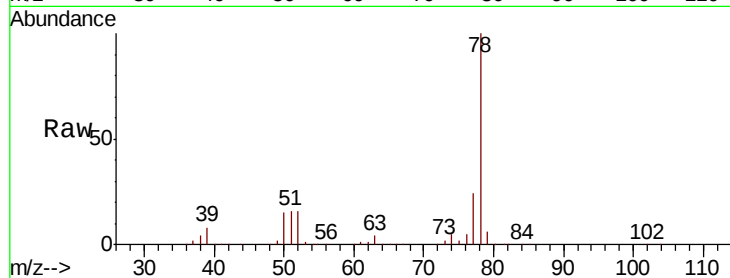
F9E04

Tot Ion: 62 Resp: 55652

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#

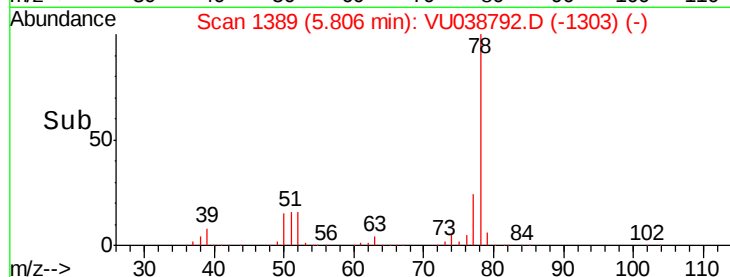


Abundance Ion 62.00 (61.70 to 62.70): VU038778.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU038778.D (-1380) (-)

5.81

Time-->



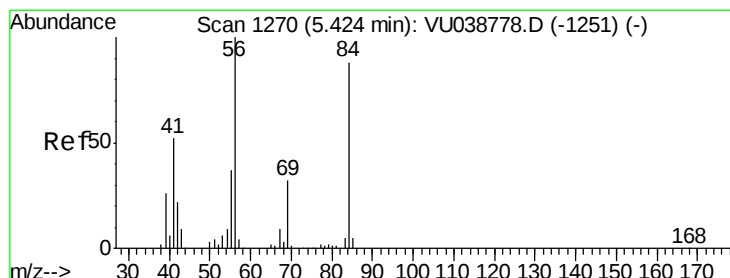
Abundance

Ion 62.00 (61.70 to 62.70): VU038792.D (-1303) (-)

Ion 98.00 (97.70 to 98.70): VU038792.D (-1303) (-)

5.81

Time-->



#29

Cyclohexane

Concen: 2.679 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038792.D

Acq: 10 Jun 2020 21:52

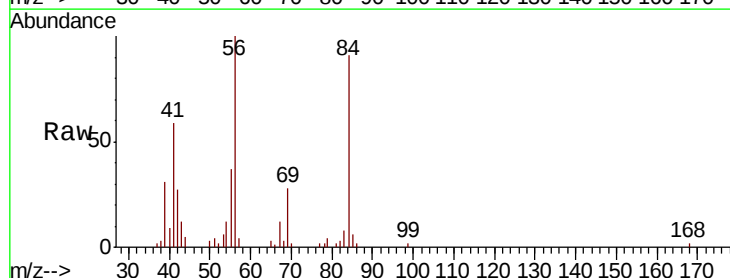
Tgt Ion: 56 Resp: 16047

Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

84 91.6 70.5 105.7



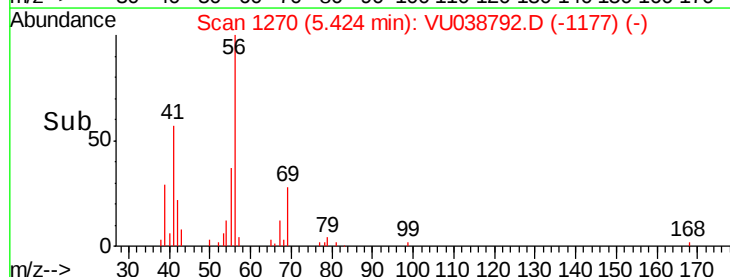
Abundance Ion 56.00 (55.70 to 56.70): VU038778.D (-1251) (-)

Ion 69.00 (68.70 to 69.70): VU038778.D (-1251) (-)

Ion 84.00 (83.70 to 84.70): VU038778.D (-1251) (-)

5.42

Time-->



Abundance

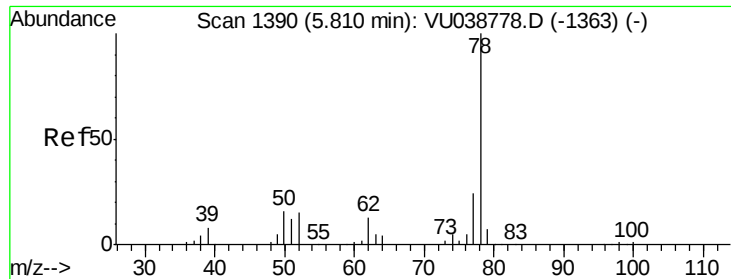
Ion 56.00 (55.70 to 56.70): VU038792.D (-1177) (-)

Ion 69.00 (68.70 to 69.70): VU038792.D (-1177) (-)

Ion 84.00 (83.70 to 84.70): VU038792.D (-1177) (-)

5.42

Time-->



#33

Benzene

Concen: 403.535 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038792.D

Acq: 10 Jun 2020 21:52

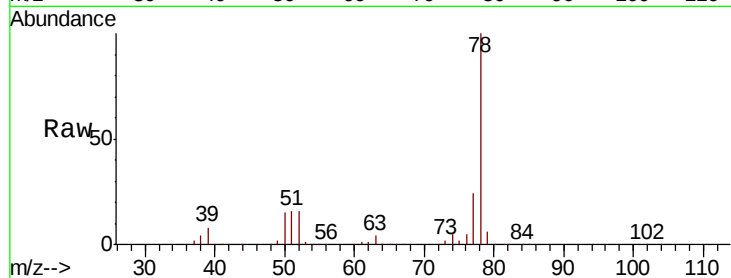
Instrument :

MSVOA_U

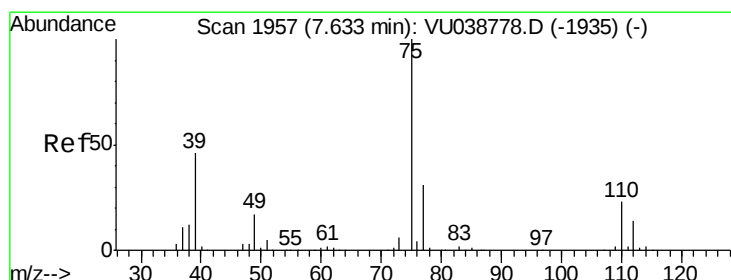
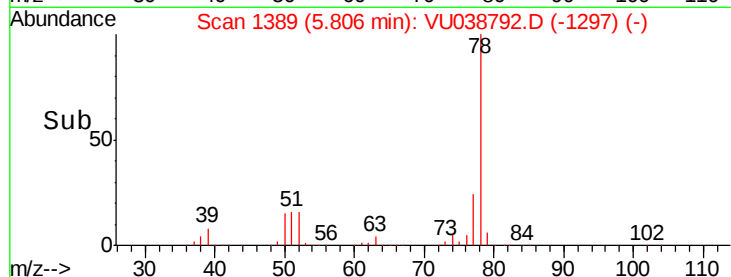
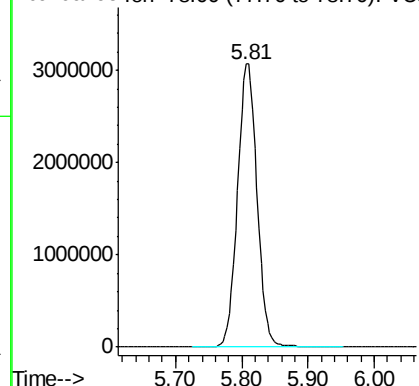
ClientSampleId :

F9E04

Tgt Ion: 78 Resp: 6274334



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.119 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU038792.D

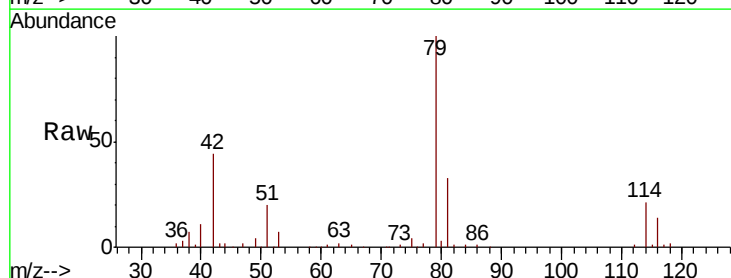
Acq: 10 Jun 2020 21:52

Tgt Ion: 75 Resp: 6990

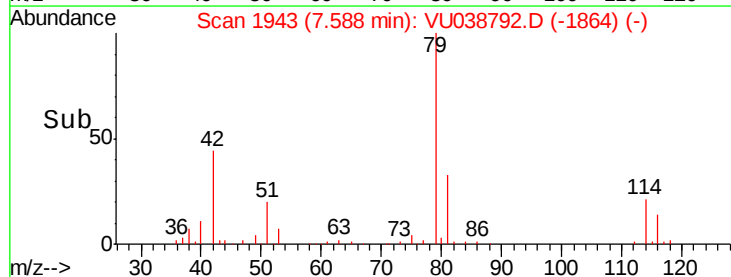
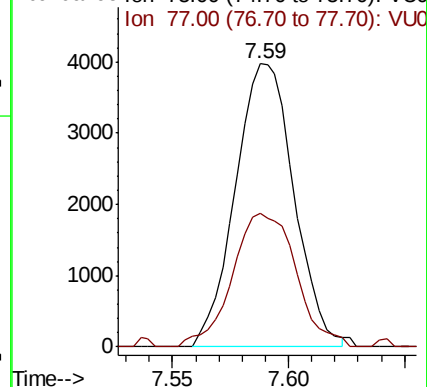
Ion Ratio Lower Upper

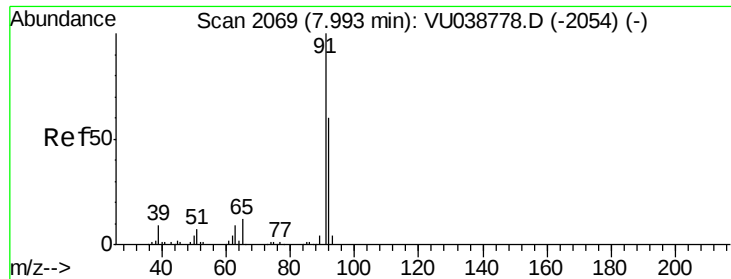
75 100

77 47.2 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0





#42

Toluene

Concen: 27.555 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038792.D

Acq: 10 Jun 2020 21:52

Instrument :

MSVOA_U

ClientSampled :

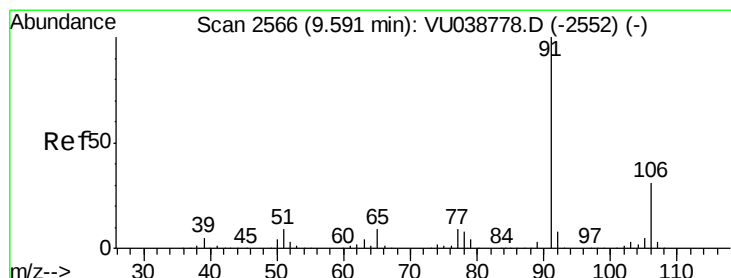
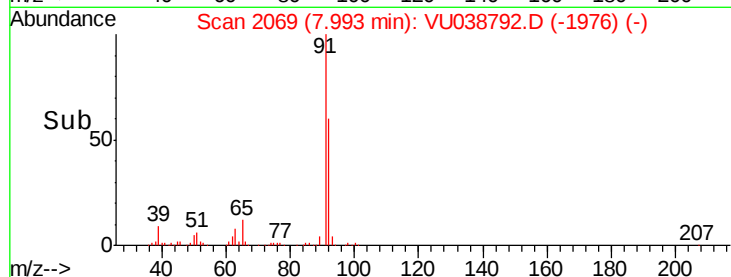
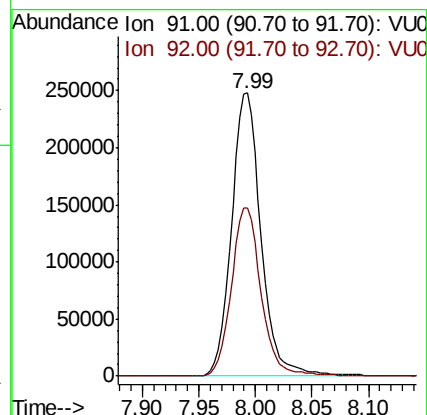
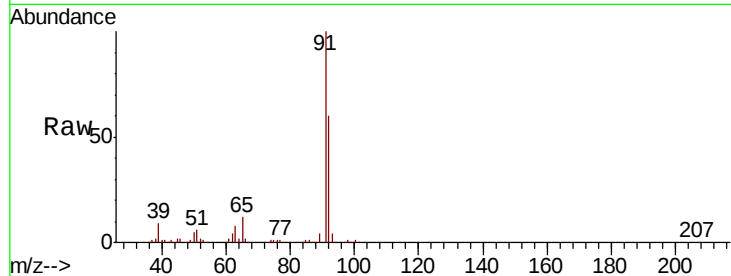
F9E04

Tot Ion: 91 Resp: 447977

Ion Ratio Lower Upper

91 100

92 59.6 42.2 78.4



#52

Ethylbenzene

Concen: 29.863 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038792.D

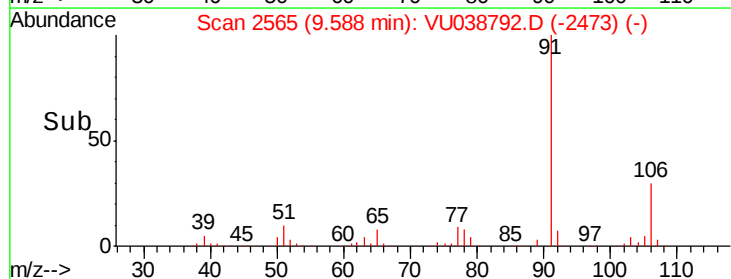
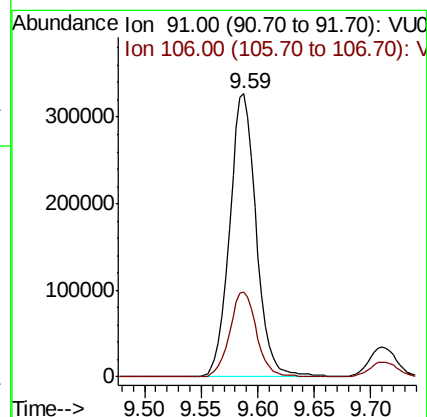
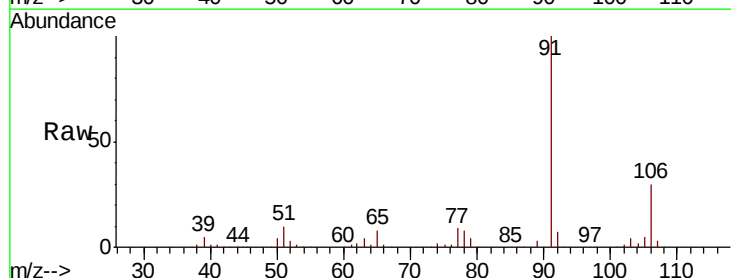
Acq: 10 Jun 2020 21:52

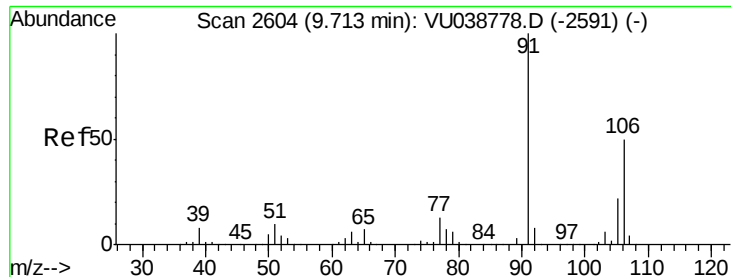
Tgt Ion: 91 Resp: 535814

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9

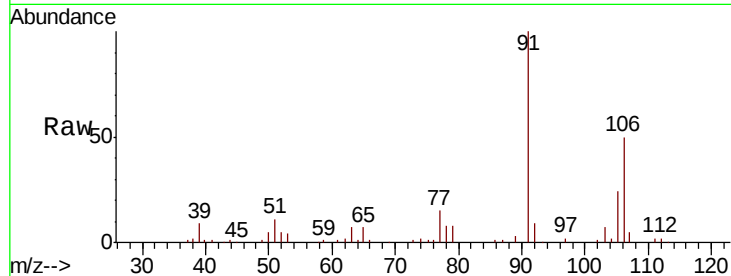




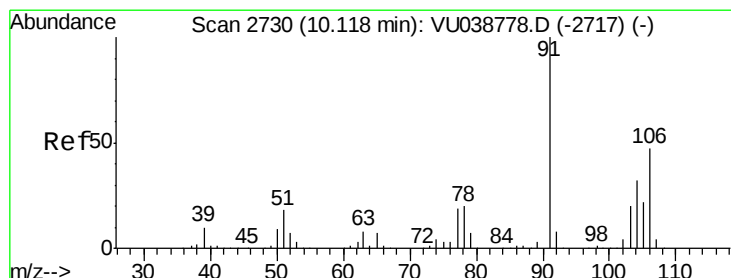
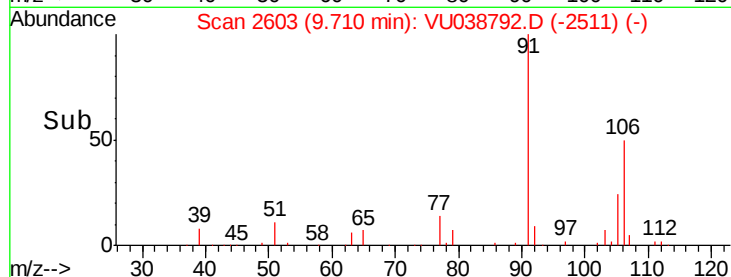
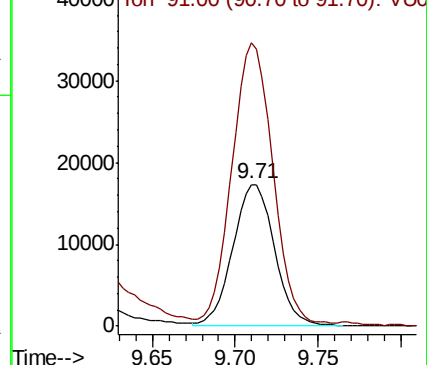
#53
m,p-Xylene
Concen: 4.427 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038792.D
Acq: 10 Jun 2020 21:52

Instrument :
MSVOA_U
ClientSampleId :
F9E04

Tot Ion:106 Resp: 30488
Ion Ratio Lower Upper
106 100
91 199.4 140.1 260.3

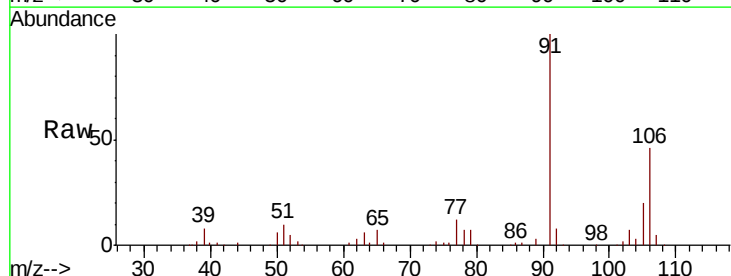


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

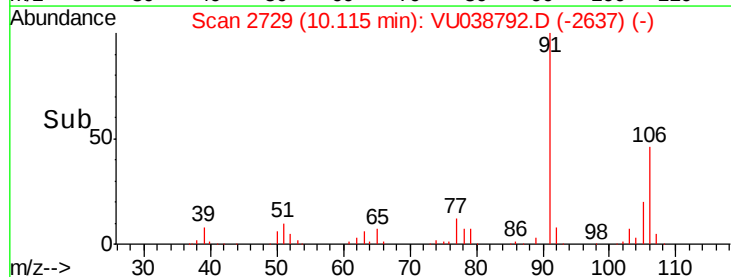
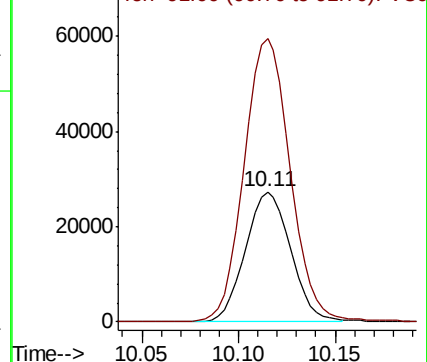


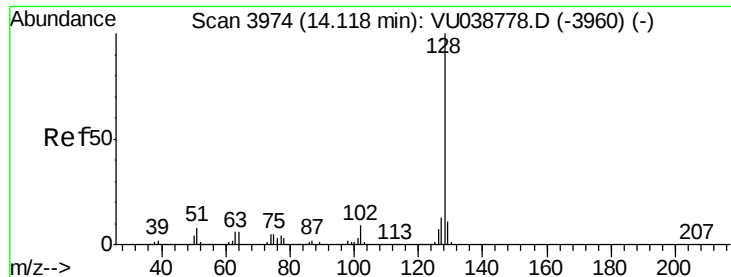
#54
o-xylene
Concen: 6.668 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038792.D
Acq: 10 Jun 2020 21:52

Tgt Ion:106 Resp: 44587
Ion Ratio Lower Upper
106 100
91 217.9 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 1.560 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038792.D

Acq: 10 Jun 2020 21:52

Instrument :

MSVOA_U

ClientSampleId :

F9E04

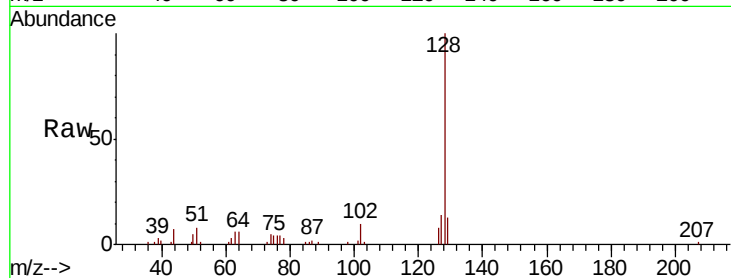
Tot Ion:128 Resp: 28627

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

