

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039086.D
 Acq On : 25 Jun 2020 01:26
 Operator : SY/MD
 Sample : L3110-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F12

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:08:48 PM

Quant Time: Jun 25 03:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 02:33:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	289713	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	292762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	138650	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105553	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.93	69	89452	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.59	63	147740	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.67	46	435815	56.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.84%
24) Chloroform-d	5.10	84	204216	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.74	65	124555	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.76	84	411824	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.72	67	136692	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.92	98	362135	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	8.20	79	61041	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.65	63	350613	57.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125982	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	143046	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.83	62	1368680	44.794	ug/L	97
30) Cyclohexane	5.42	56	270803	7.966	ug/L	96
33) Benzene	5.80	78	24139840m	262.431	ug/L	
42) Toluene	7.99	91	491863	5.387	ug/L	99
52) Ethylbenzene	9.59	91	3739631	38.966	ug/L	99
53) m,p-Xylene	9.71	106	398909	11.304	ug/L	100
54) o-Xylene	10.11	106	61640	1.818	ug/L	95
56) Isopropylbenzene	10.50	105	362943	4.086	ug/L	99

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

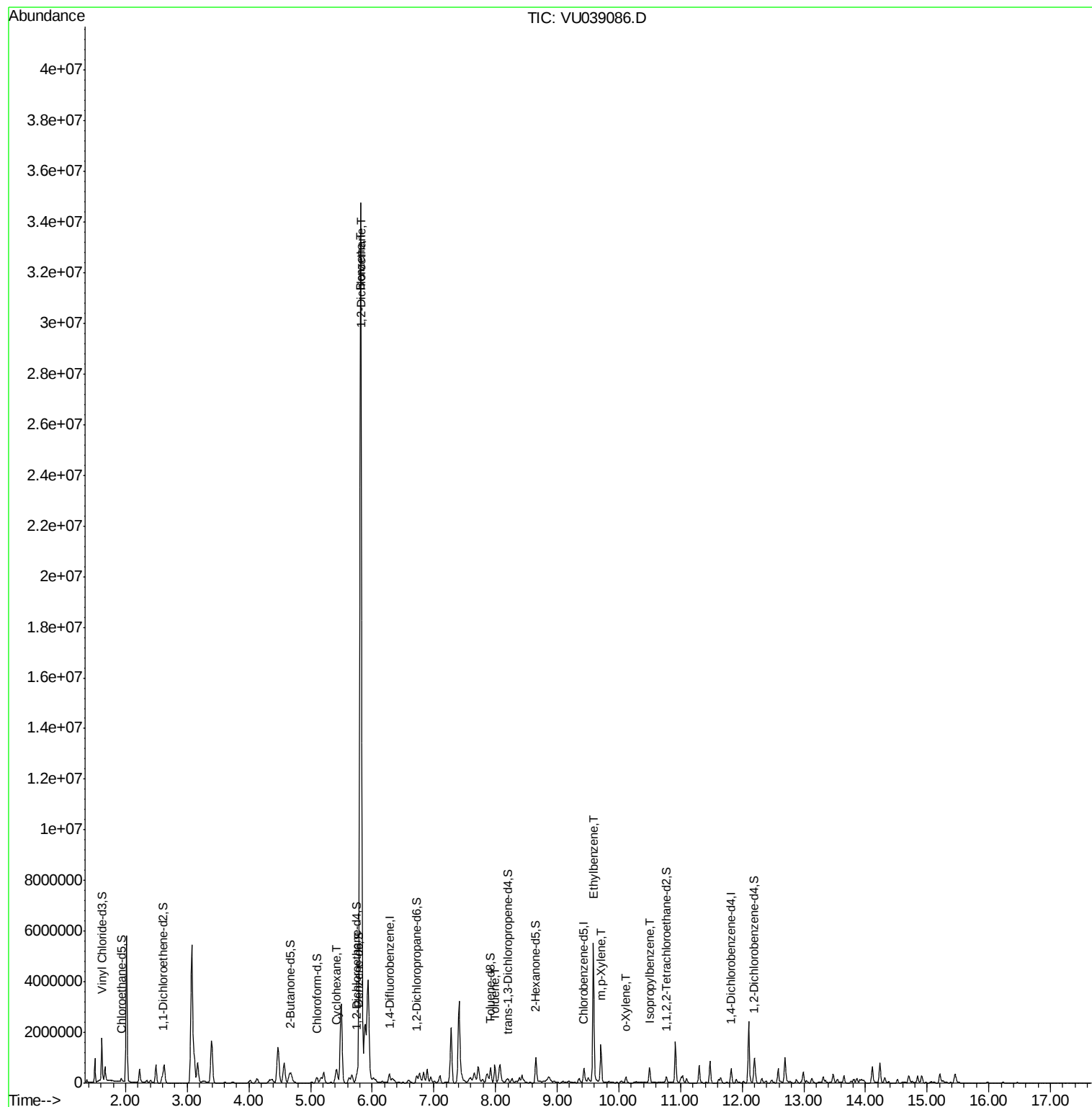
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
Data File : VU039086.D
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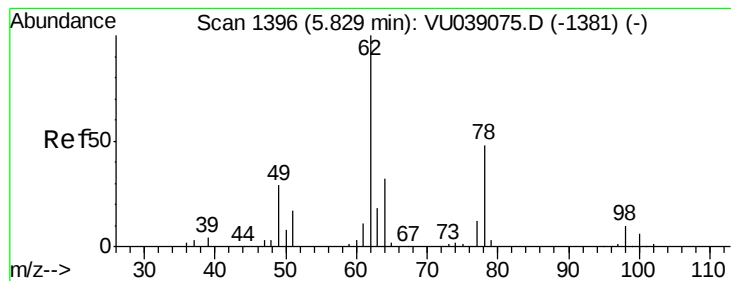
Instrument :
MSVOA_U
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 02:33:05 2020
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 44.794 ug/L

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU039086.D

Acq: 25 Jun 2020 01:26

Instrument :

MSVOA_U

ClientSampled :

F9F12

Tot Ion: 62 Resp: 1368680

Ion Ratio Lower Upper

62 100

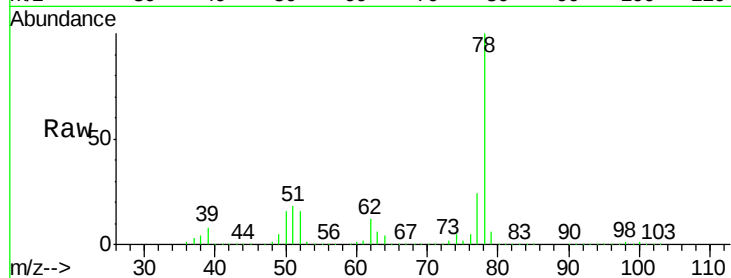
98 8.5 7.7 11.5

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU039075.D (-1381) (-)

Ion 98.05 (97.75 to 98.75): VU039075.D (-1381) (-)

5.83

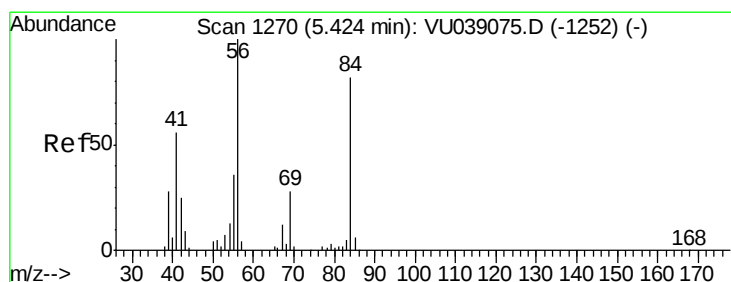
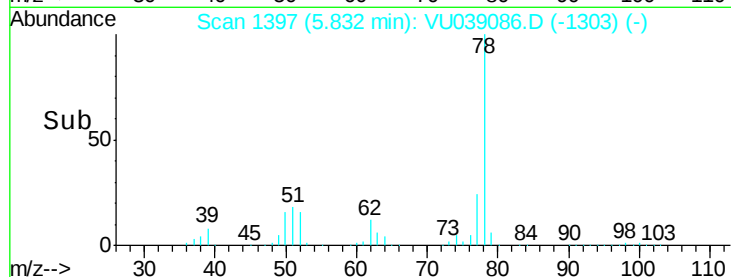
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 7.966 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU039086.D

Acq: 25 Jun 2020 01:26

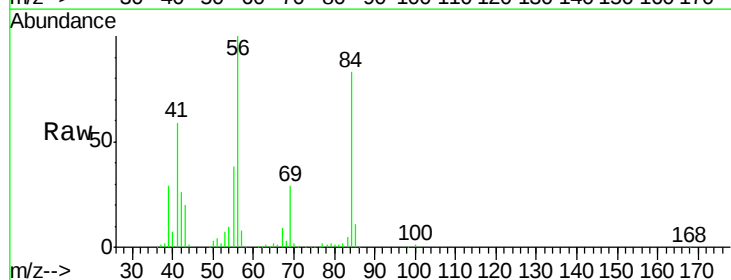
Tgt Ion: 56 Resp: 270803

Ion Ratio Lower Upper

56 100

69 29.8 23.3 34.9

84 79.9 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU039075.D (-1252) (-)

Ion 69.15 (68.85 to 69.85): VU039075.D (-1252) (-)

Ion 84.15 (83.85 to 84.85): VU039075.D (-1252) (-)

5.42

800000

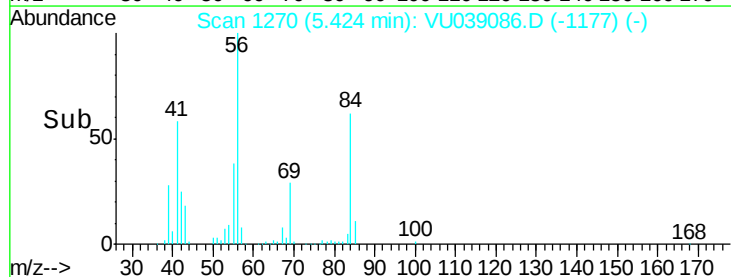
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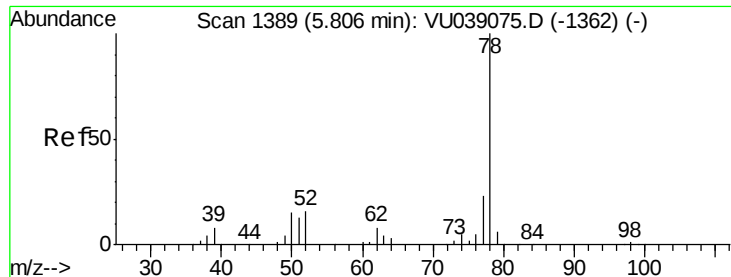
400000

200000

0

Time-->





#33

Benzene

Concen: 262.431 ug/L m

RT: 5.80 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VU039086.D

Acq: 25 Jun 2020 01:26

Instrument :

MSVOA_U

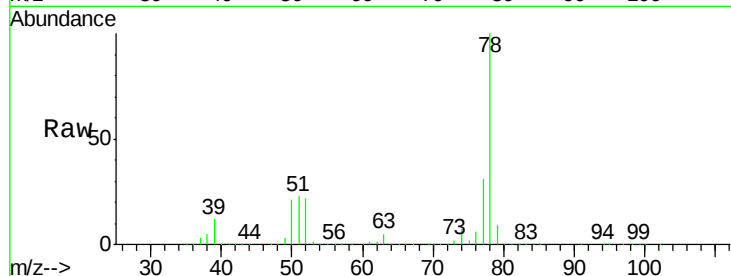
ClientSampleId :

F9F12

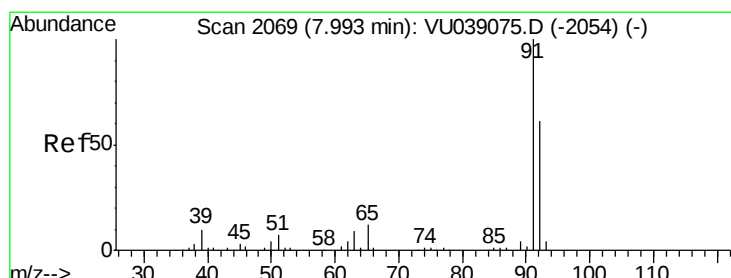
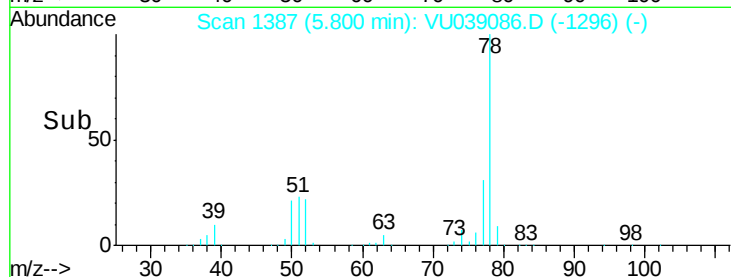
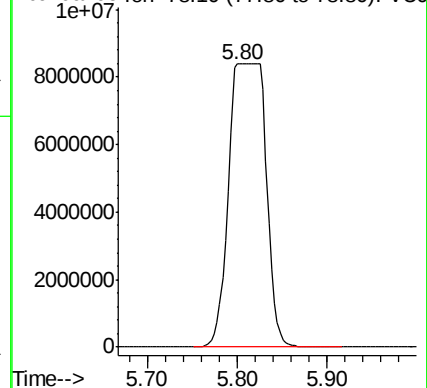
Tgt Ion: 78 Resp:24139840

Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 5.387 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039086.D

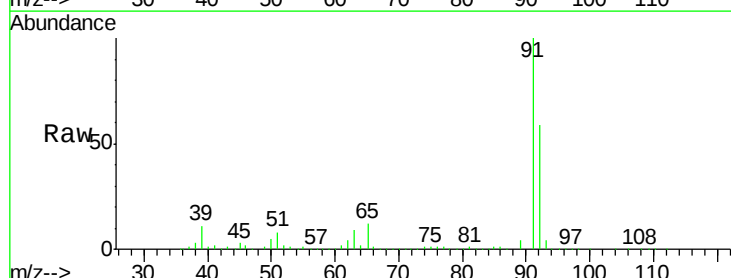
Acq: 25 Jun 2020 01:26

Tgt Ion: 91 Resp: 491863

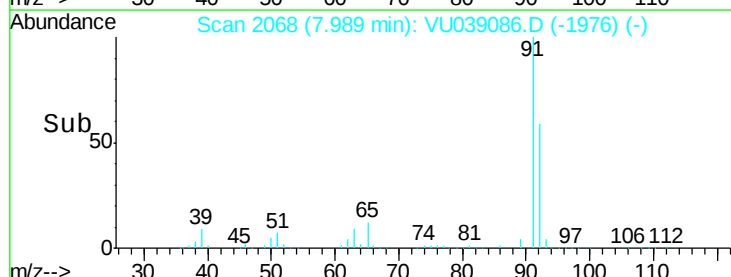
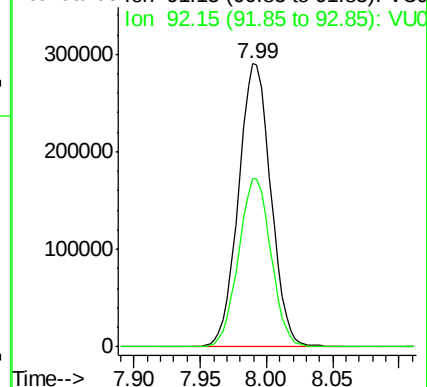
Ion Ratio Lower Upper

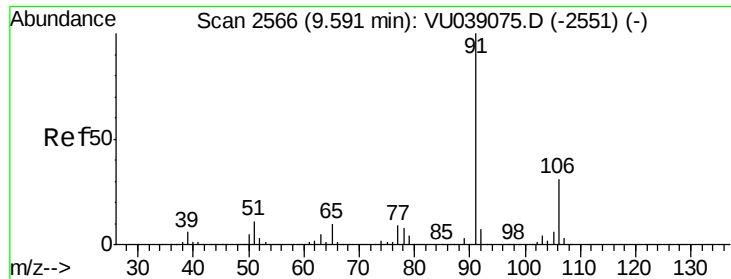
91 100

92 59.2 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU0





#52

Ethylbenzene

Concen: 38.966 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039086.D

Acq: 25 Jun 2020 01:26

Instrument :

MSVOA_U

ClientSampleId :

F9F12

Tot Ion: 91 Resp: 3739631

Ion Ratio Lower Upper

91 100

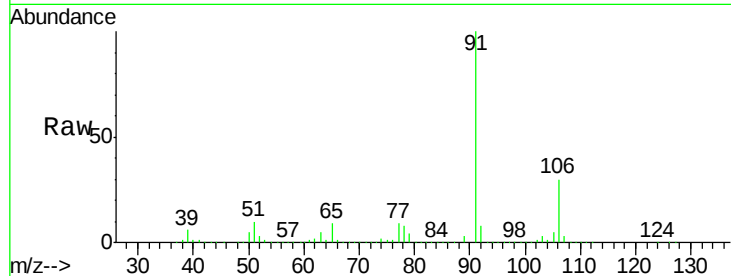
106 29.8 21.3 39.6

Manual Integrations

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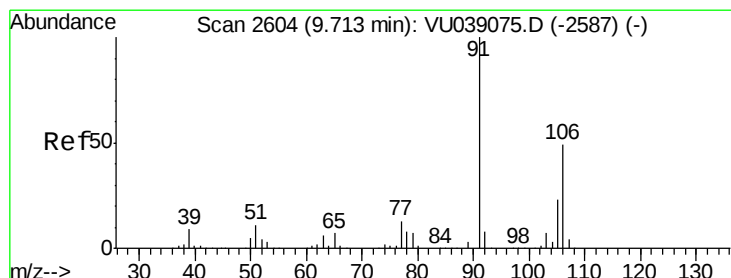
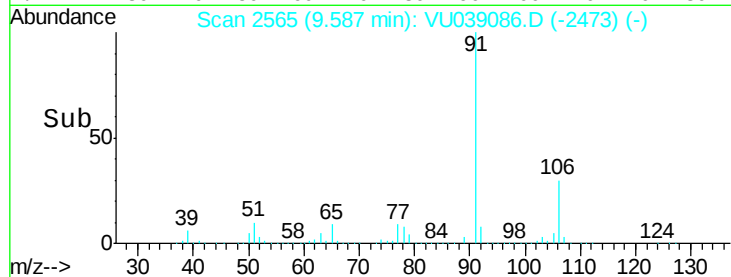
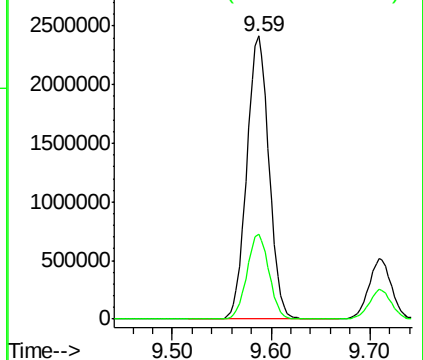
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Abundance Ion 91.15 (90.85 to 91.85): VU039075.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU039075.D (-2551) (-)



#53

m,p-Xylene

Concen: 11.304 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039086.D

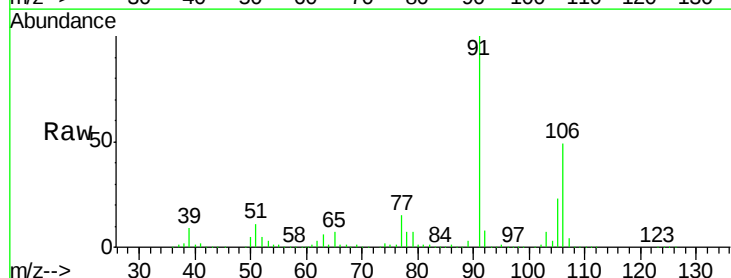
Acq: 25 Jun 2020 01:26

Tgt Ion: 106 Resp: 398909

Ion Ratio Lower Upper

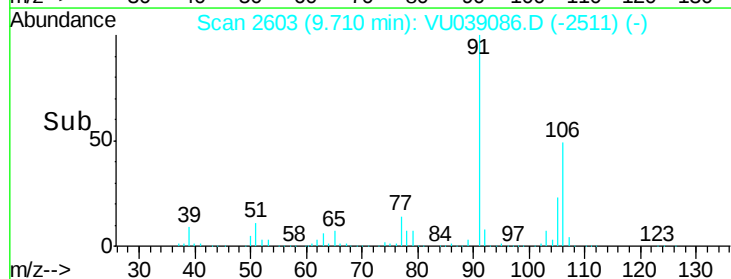
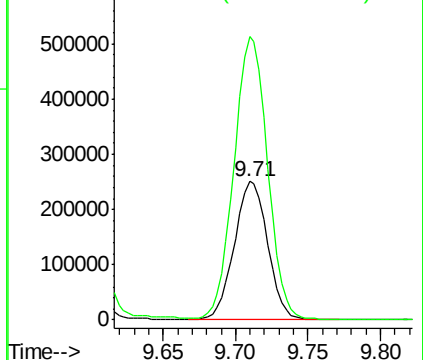
106 100

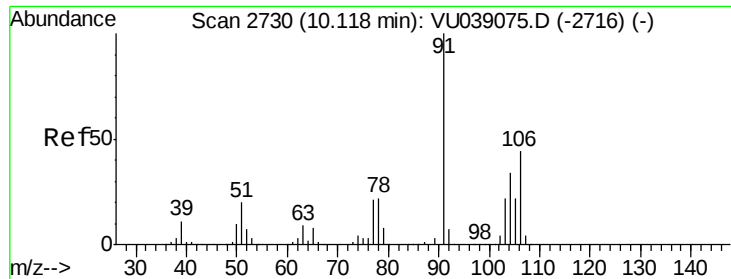
91 204.6 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039075.D (-2587) (-)

Ion 91.15 (90.85 to 91.85): VU039075.D (-2587) (-)





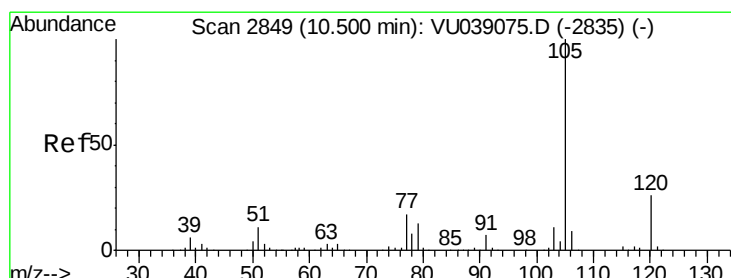
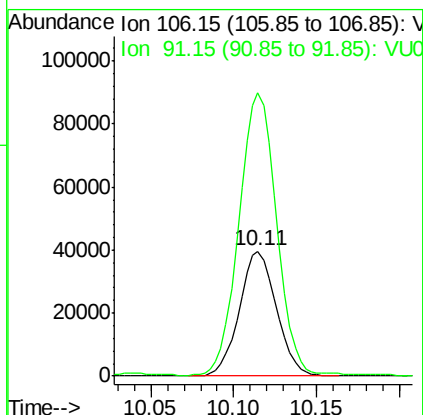
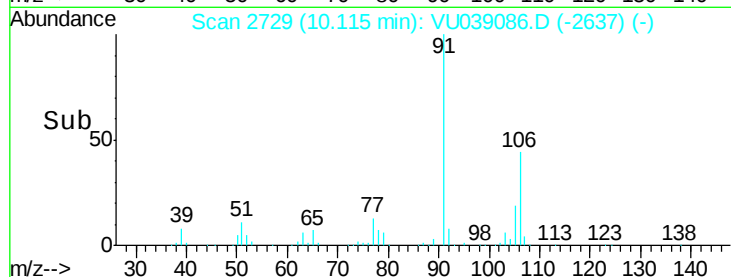
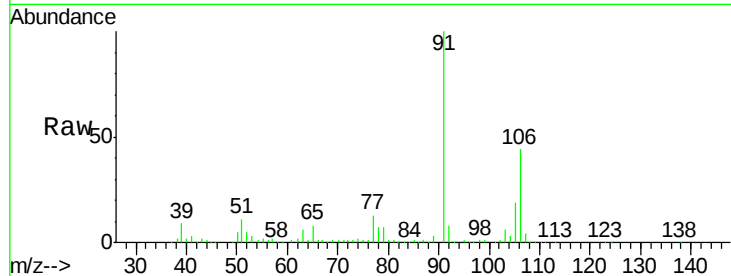
#54
o-Xylene
Concen: 1.818 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039086.D
Acq: 25 Jun 2020 01:26

Instrument :
MSVOA_U
ClientSampled :
F9F12

Tot Ion:106 Resp: 61640
Ion Ratio Lower Upper
106 100
91 226.9 153.5 285.1

Manual Integrations
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#56
Isopropylbenzene
Concen: 4.086 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VU039086.D
Acq: 25 Jun 2020 01:26

Tgt Ion:105 Resp: 362943
Ion Ratio Lower Upper
105 100
120 25.4 19.9 29.9
77 17.5 13.3 19.9

