

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041787.D
 Acq On : 23 Dec 2020 17:21
 Operator : SY/MD
 Sample : L5185-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S8

Manual Integrations
 APPROVED

MMDadoda
 12/24/2020 12:52:26 PM

Quant Time: Dec 24 04:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139588	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	62209	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37900	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.92	69	41257	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.58	63	63179	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	165677	52.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.70%
24) Chloroform-d	5.08	84	82160	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.72	65	45773	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.74	84	152490	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.70	67	49474	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.91	98	120270	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
43) trans-1,3-Dichloropropene-	8.19	79	19614	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.64	63	120414	40.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47881	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51225	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	6752m	3.386	ug/L	
16) Methylene chloride	3.06	84	1792	0.158	ug/L	80
42) Toluene	7.97	91	18611	0.422	ug/L	88
47) Tetrachloroethene	8.56	164	722	0.096	ug/L #	73
52) Ethylbenzene	9.57	91	4359	0.093	ug/L	98
53) m,p-Xylene	9.69	106	4759	0.272	ug/L	96
54) o-Xylene	10.10	106	2317	0.135	ug/L	100
55) Styrene	10.12	104	1636	0.055	ug/L	91
56) Isopropylbenzene	10.48	105	1235	0.027	ug/L	93

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

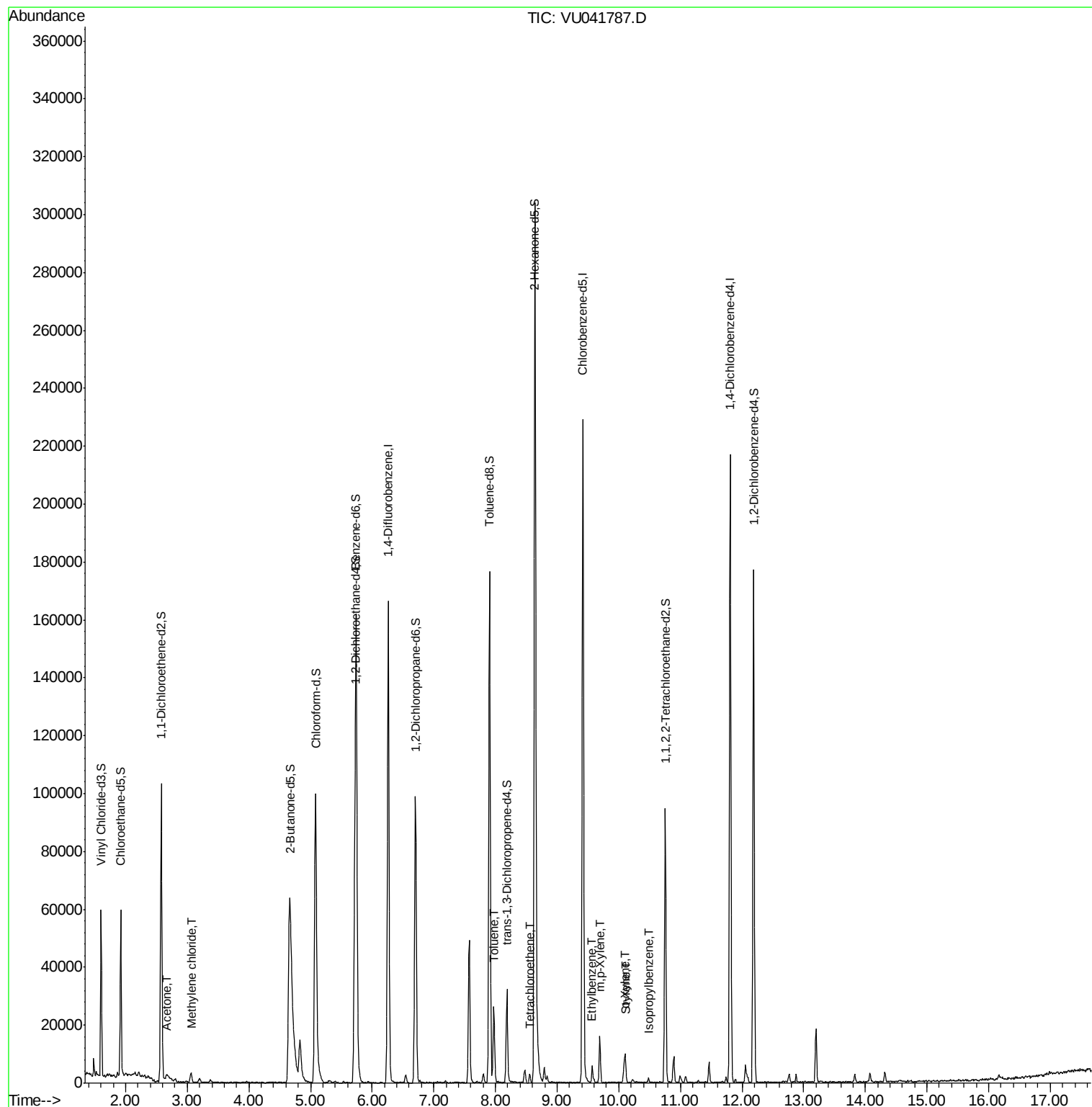
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122320\
Data File : VU041787.D
Acq On : 23 Dec 2020 17:21
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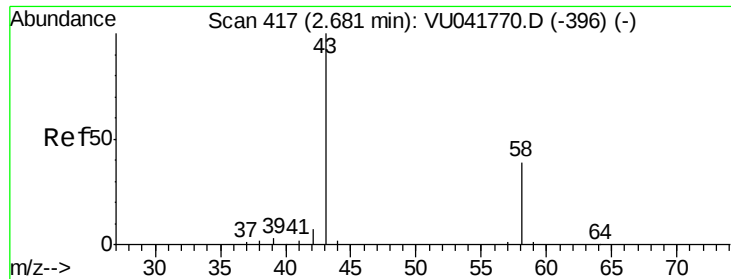
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Dec 24 04:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





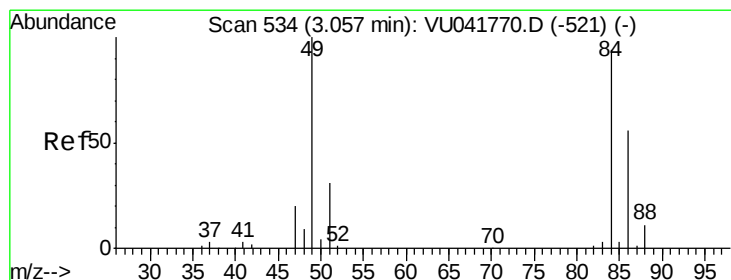
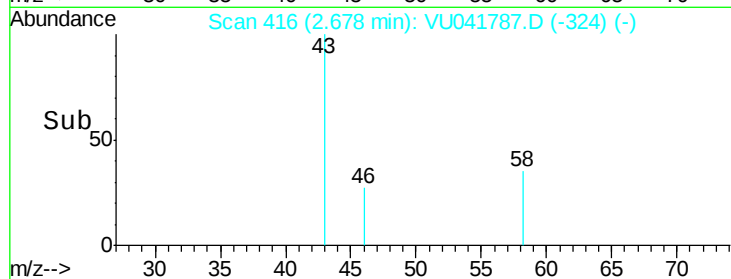
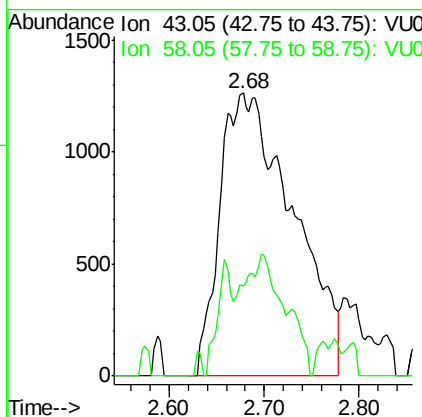
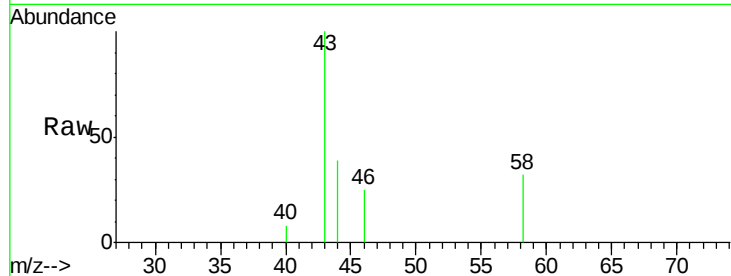
#13
Acetone
Concen: 3.386 ug/L m
RT: 2.68 min Scan# 416
Delta R.T. -0.00 min
Lab File: VU041787.D
Acq: 23 Dec 2020 17:21

Instrument :
MSVOA_U
ClientSampleId :
BG4S8

Tot Ion: 43 Resp: 6752
Ion Ratio Lower Upper
43 100
58 10.8 0.0 73.2

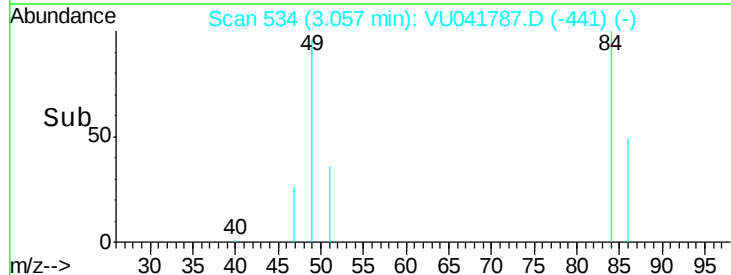
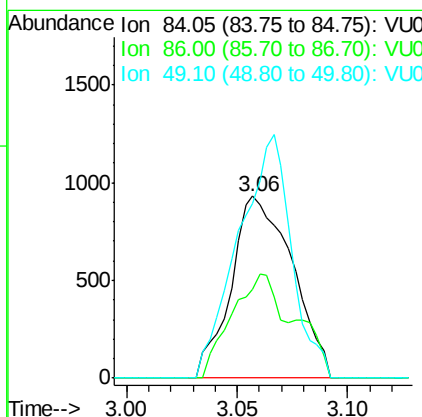
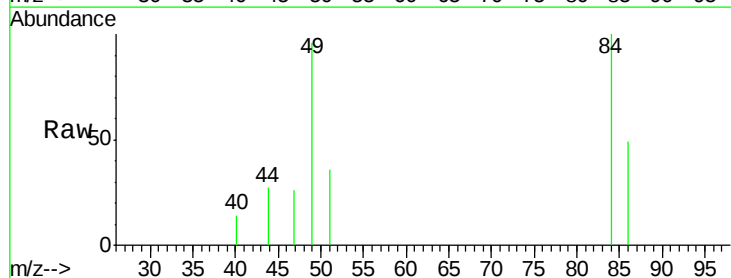
Manual Integrations
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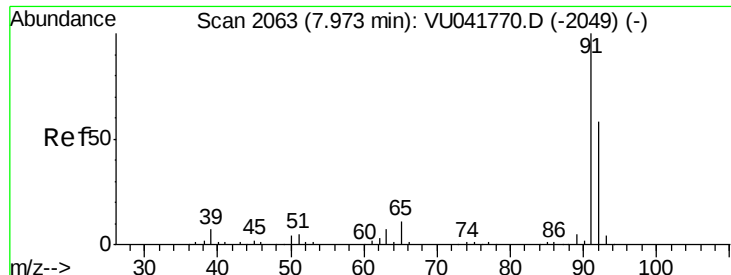
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#16
Methylene chloride
Concen: 0.158 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041787.D
Acq: 23 Dec 2020 17:21

Tgt Ion: 84 Resp: 1792
Ion Ratio Lower Upper
84 100
86 48.5 45.1 83.7
49 96.0 83.1 154.3





#42

Toluene

Concen: 0.422 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041787.D

Acq: 23 Dec 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

BG4S8

Tot Ion: 91 Resp: 18611

Ion Ratio Lower Upper

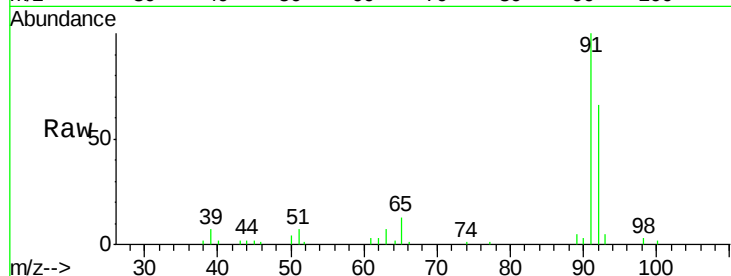
91 100

92 65.9 40.0 74.2

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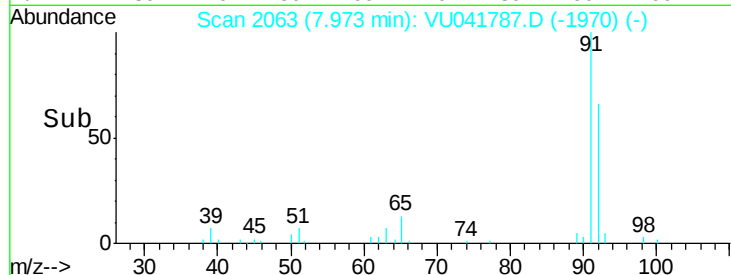


Abundance Ion 91.15 (90.85 to 91.85): VU041787.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041787.D (-1970) (-)

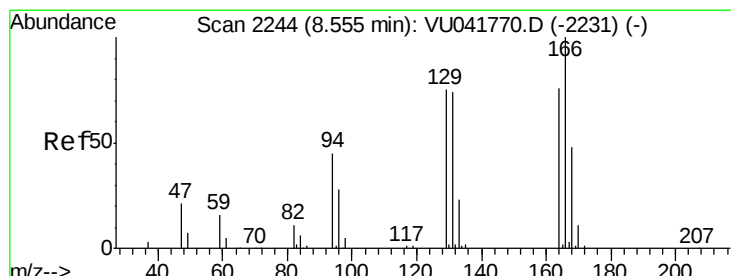
7.97

Time-->



Abundance

Time-->



#47

Tetrachloroethene

Concen: 0.096 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041787.D

Acq: 23 Dec 2020 17:21

Tgt Ion: 164 Resp: 722

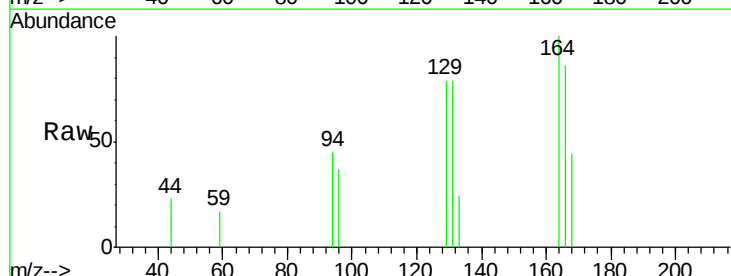
Ion Ratio Lower Upper

164 100

129 78.9 72.2 134.0

131 78.8 66.9 124.3

166 85.9 89.6 166.4#



Abundance Ion 163.90 (163.60 to 164.60): VU041787.D (-2151) (-)

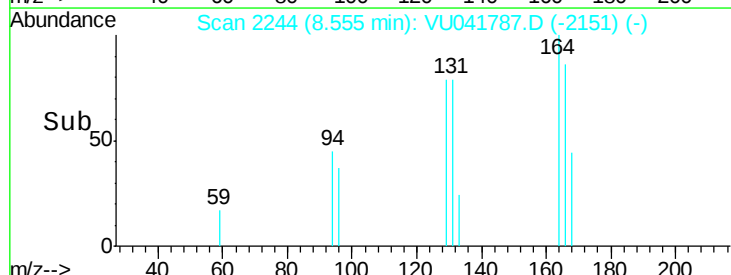
Ion 128.95 (128.65 to 129.65): VU041787.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041787.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041787.D (-2151) (-)

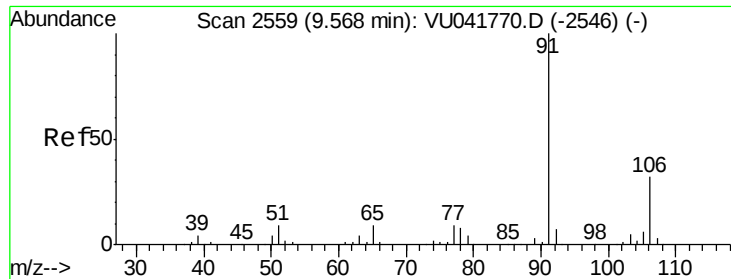
8.56

Time-->



Abundance

Time-->



#52

Ethylbenzene

Concen: 0.093 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU041787.D

Acq: 23 Dec 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

BG4S8

Tot Ion: 91 Resp: 4359

Ion Ratio Lower Upper

91 100

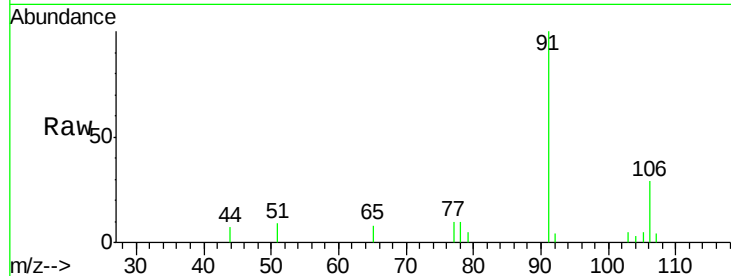
106 29.1 21.1 39.3

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Abundance Ion 91.15 (90.85 to 91.85): VU041787.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041787.D (-2546) (-)

9.57

3000

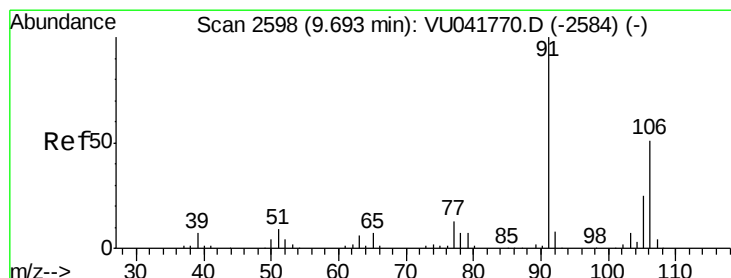
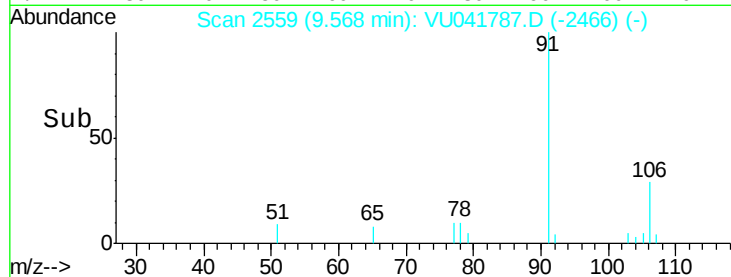
2000

1000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 0.272 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041787.D

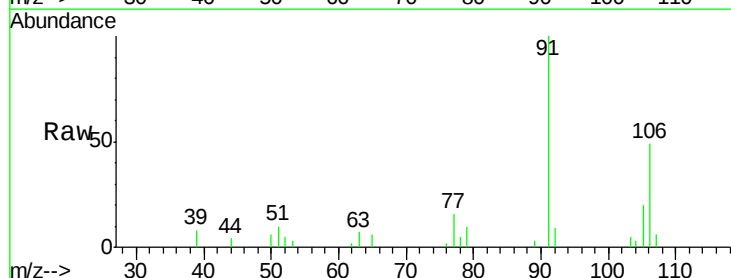
Acq: 23 Dec 2020 17:21

Tgt Ion: 106 Resp: 4759

Ion Ratio Lower Upper

106 100

91 206.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041787.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041787.D (-2598) (-)

9.69

6000

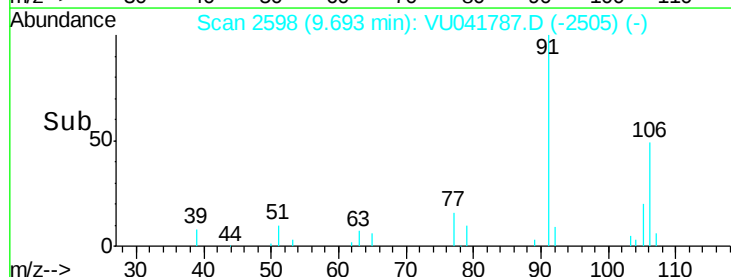
4000

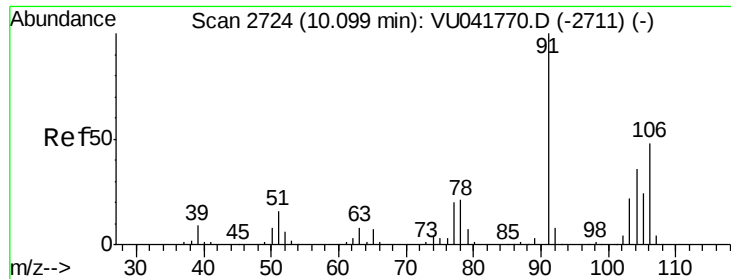
2000

0

9.65 9.70 9.75

Time-->





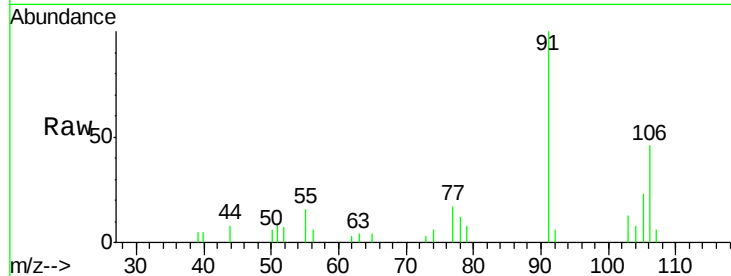
#54
o-Xylene
Concen: 0.135 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041787.D
Acq: 23 Dec 2020 17:21

Instrument :
MSVOA_U
ClientSampled :
BG4S8

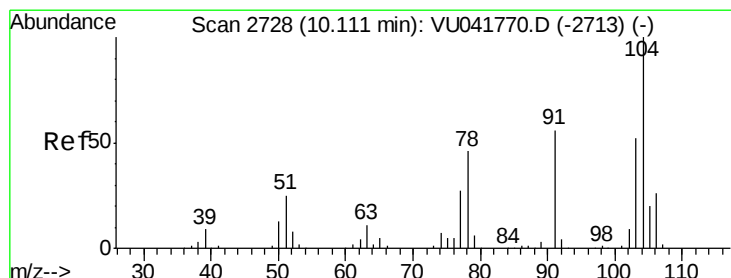
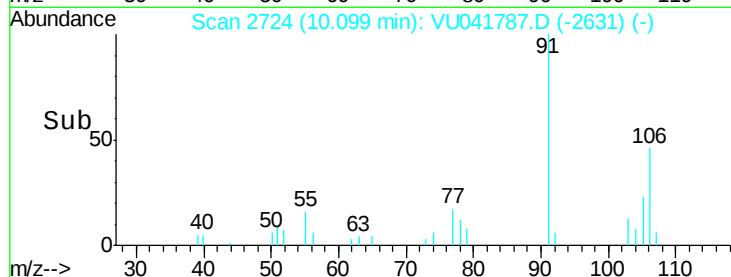
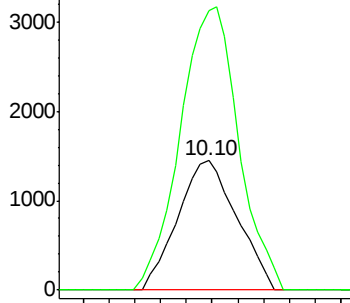
Tot Ion:106 Resp: 2317
Ion Ratio Lower Upper
106 100
91 216.1 151.3 281.1

Manual Integrations
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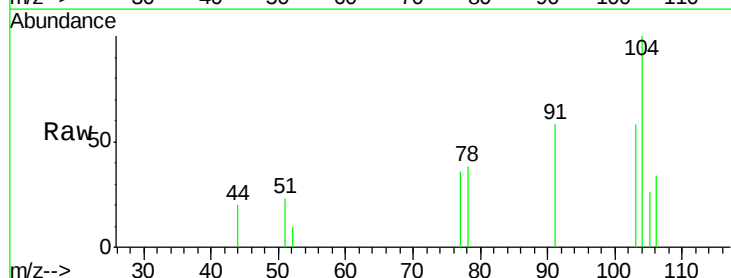


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

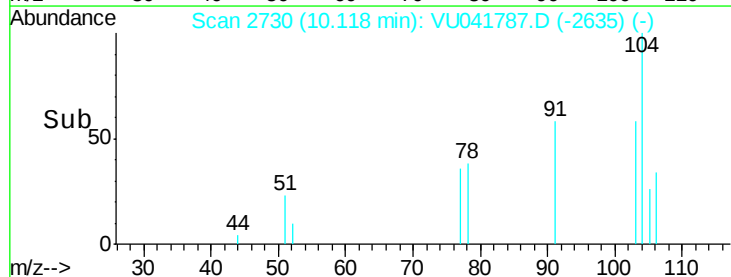
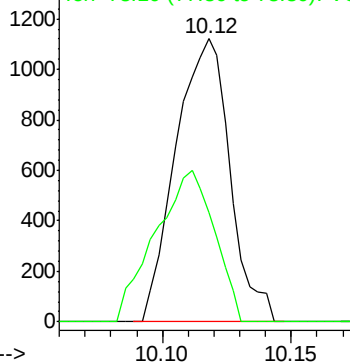


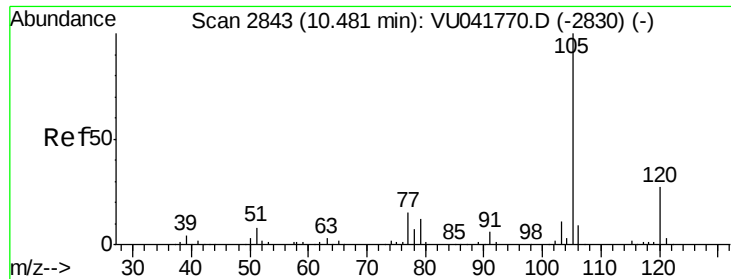
#55
Styrene
Concen: 0.055 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.01 min
Lab File: VU041787.D
Acq: 23 Dec 2020 17:21

Tgt Ion:104 Resp: 1636
Ion Ratio Lower Upper
104 100
78 38.4 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56
Isopropylbenzene
Concen: 0.027 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU041787.D
Acq: 23 Dec 2020 17:21

Instrument :
MSVOA_U
ClientSampled :
BG4S8

Tot Ion:	105	Resp:	1235
Ion Ratio	Lower	Upper	
105	100		
120	21.1	20.5	30.7
77	17.3	12.7	19.1

Manual Integrations
APPROVED

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12/24/2020 12:52:26 PM

