

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038796.D
 Acq On : 10 Jun 2020 23:20
 Operator : SY/MD
 Sample : L2915-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E09

Quant Time: Jun 11 03:46:24 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	555097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	531969	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	251058	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	178585	57.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.16%
7) Chloroethane-d5	1.93	69	146926	61.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.14%
11) 1,1-Dichloroethene-d2	2.59	63	278493	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
21) 2-Butanone-d5	4.66	46	375982	124.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.61%
24) Chloroform-d	5.10	84	366688	54.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.68%
26) 1,2-Dichloroethane-d4	5.74	65	257580	58.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.24%
32) Benzene-d6	5.76	84	734919	57.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.70%
36) 1,2-Dichloropropane-d6	6.72	67	229243	58.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.10%
41) Toluene-d8	7.92	98	621492	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%
43) trans-1,3-Dichloropropene-	8.20	79	108866	54.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.50%
47) 2-Hexanone-d5	8.65	63	264448	125.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	333225	56.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.14%
64) 1,2-Dichlorobenzene-d4	12.20	152	257849	59.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.30%

Target Compounds

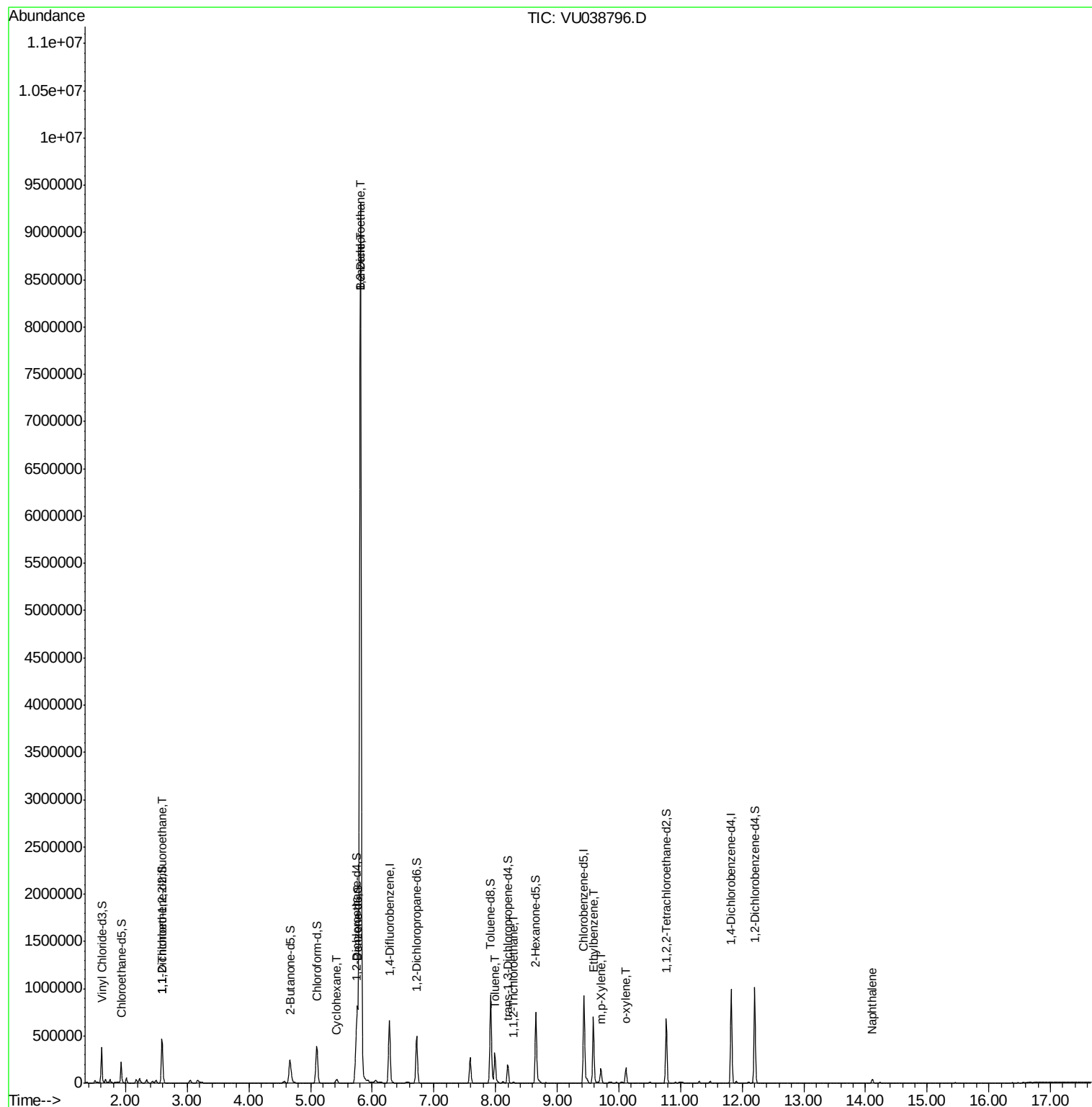
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2653	0.744	ug/L #	21
27) 1,2-Dichloroethane	5.81	62	81229	13.467	ug/L #	74
29) Cyclohexane	5.42	56	17000	2.793	ug/L	96
33) Benzene	5.81	78	8760728	554.578	ug/L	100
42) Toluene	7.99	91	234791	14.215	ug/L	100
45) 1,1,2-Trichloroethane	8.29	97	7634	1.927	ug/L #	19
52) Ethylbenzene	9.59	91	504259	27.662	ug/L	99
53) m,p-Xylene	9.71	106	44761	6.397	ug/L	98
54) o-xylene	10.11	106	45107	6.640	ug/L	100
69) Naphthalene	14.11	128	32473	1.750	ug/L	99

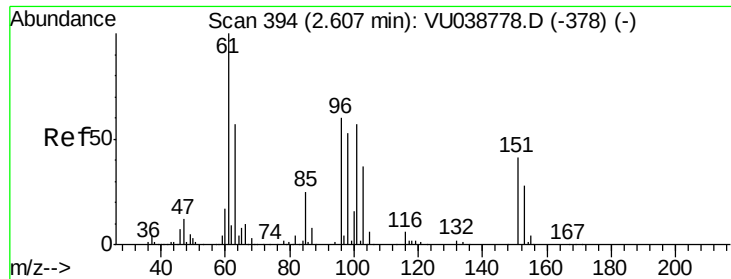
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 03:46:24 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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.744 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038796.D

Acq: 10 Jun 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

F9E09

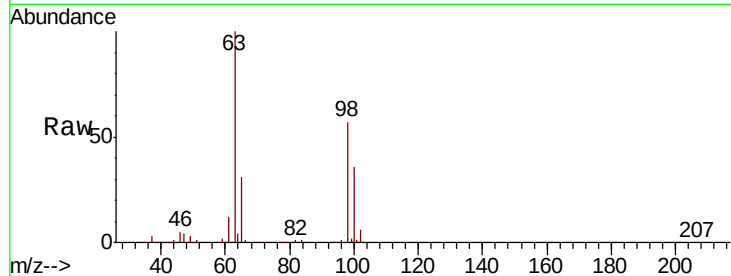
Tot Ion:101 Resp: 2653

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

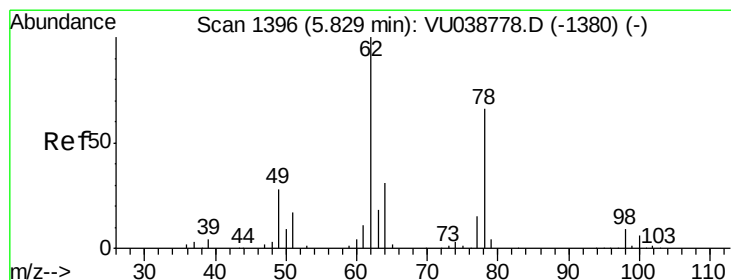
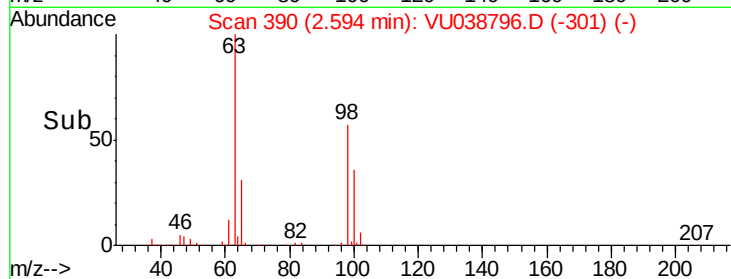
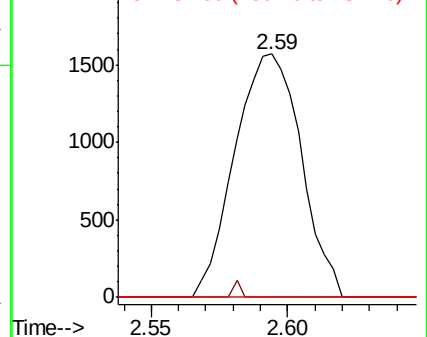
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#27

1,2-Dichloroethane

Concen: 13.467 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038796.D

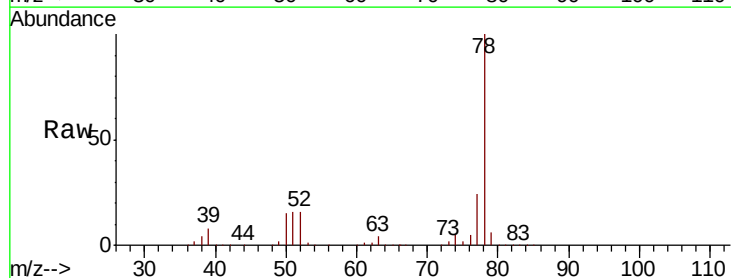
Acq: 10 Jun 2020 23:20

Tgt Ion: 62 Resp: 81229

Ion Ratio Lower Upper

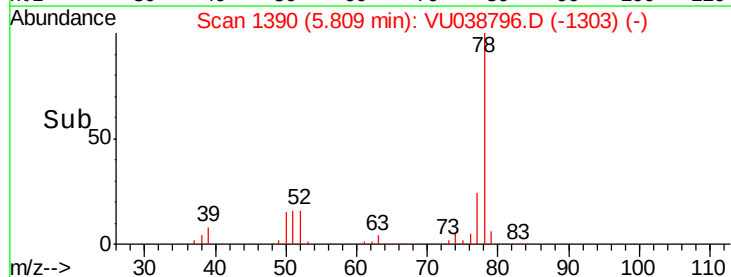
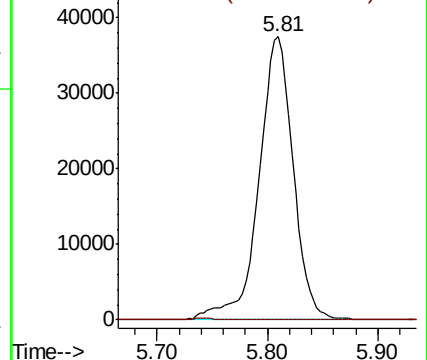
62 100

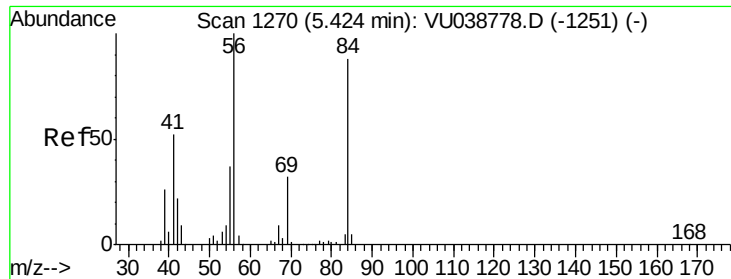
98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

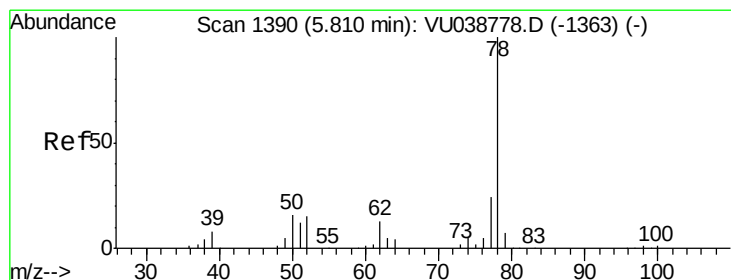
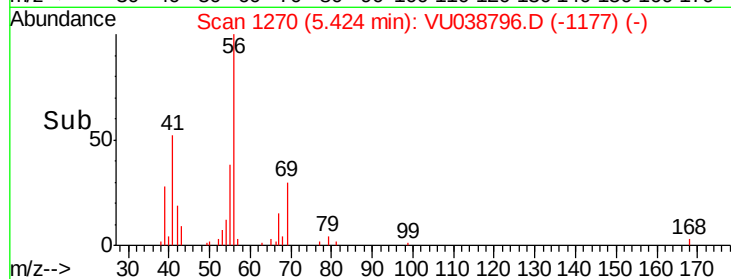
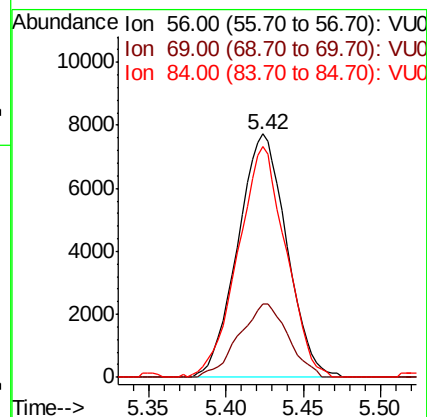
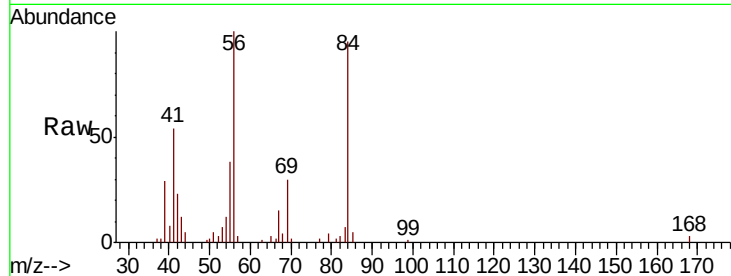




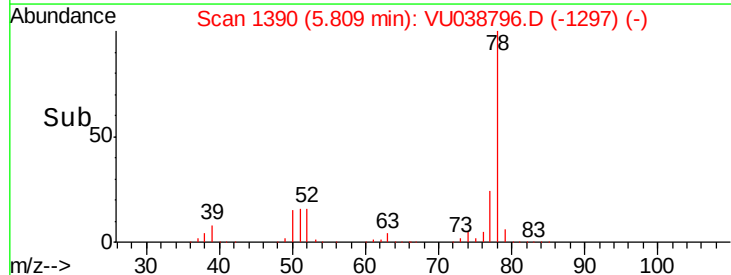
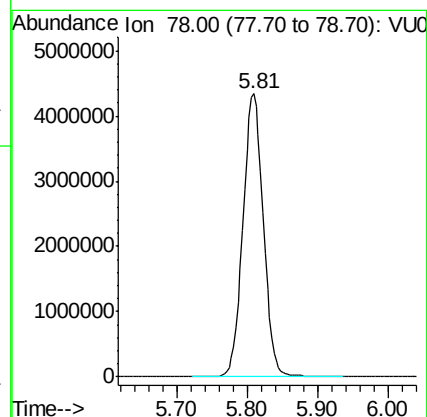
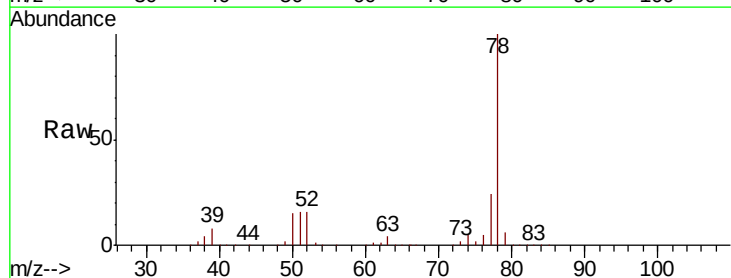
#29
Cyclohexane
Concen: 2.793 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038796.D
Acq: 10 Jun 2020 23:20

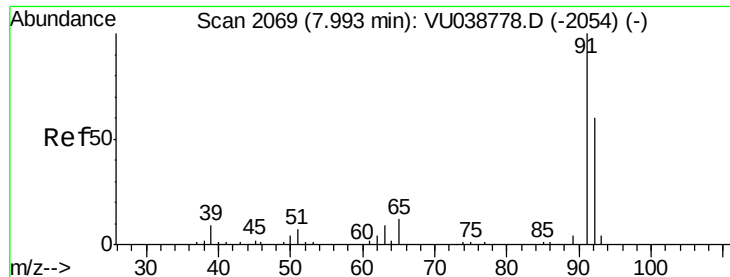
Instrument :
MSVOA_U
ClientSampleId :
F9E09

Tot Ion: 56 Resp: 17000
Ion Ratio Lower Upper
56 100
69 30.2 25.1 37.7
84 92.6 70.5 105.7



#33
Benzene
Concen: 554.578 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038796.D
Acq: 10 Jun 2020 23:20
Tgt Ion: 78 Resp: 8760728





#42

Toluene

Concen: 14.215 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038796.D

Acq: 10 Jun 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

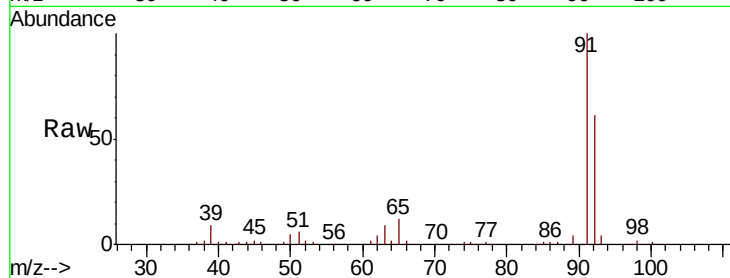
F9E09

Tot Ion: 91 Resp: 234791

Ion Ratio Lower Upper

91 100

92 60.6 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038778.D (-2054) (-)

7.99

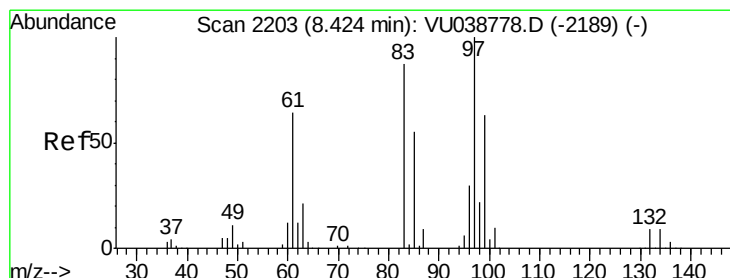
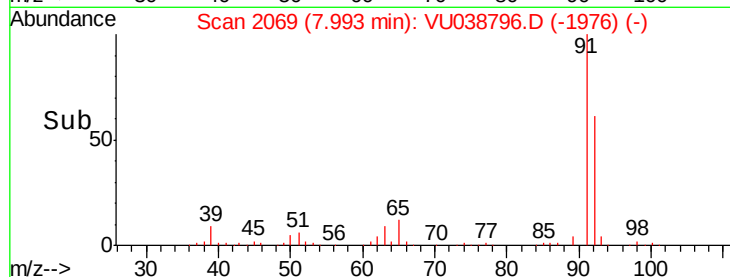
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.927 ug/L

RT: 8.29 min Scan# 2162

Delta R.T. -0.13 min

Lab File: VU038796.D

Acq: 10 Jun 2020 23:20

Tgt Ion: 97 Resp: 7634

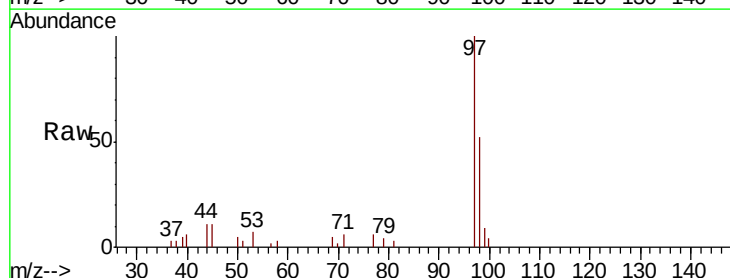
Ion Ratio Lower Upper

97 100

99 9.0 43.6 81.0#

83 0.0 60.0 111.4#

85 0.0 38.4 71.2#



Abundance Ion 97.00 (96.70 to 97.70): VU038778.D (-2189) (-)

Ion 99.00 (98.70 to 99.70): VU038778.D (-2189) (-)

Ion 83.00 (82.70 to 83.70): VU038778.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038778.D (-2189) (-)

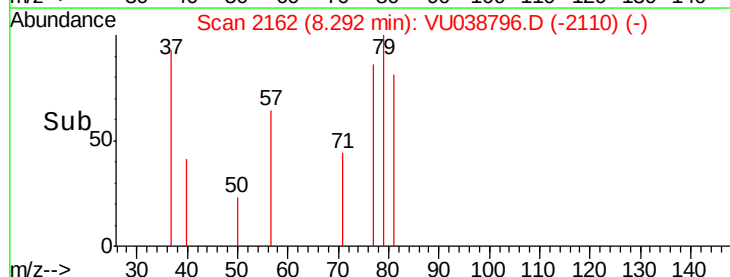
6000

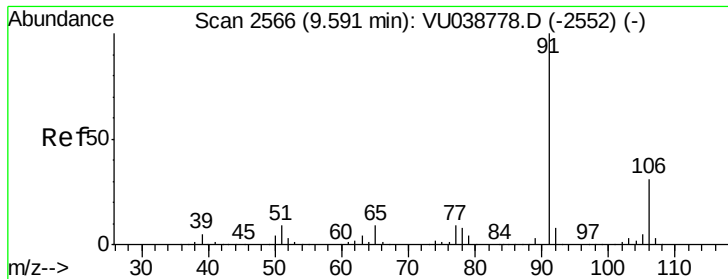
4000

2000

0

Time-->





#52

Ethylbenzene

Concen: 27.662 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038796.D

Acq: 10 Jun 2020 23:20

Instrument :

MSVOA_U

ClientSampleId :

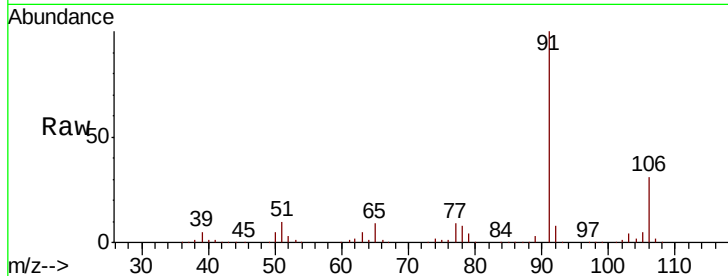
F9E09

Tot Ion: 91 Resp: 504259

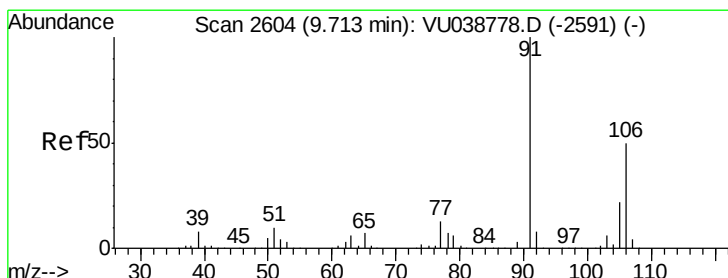
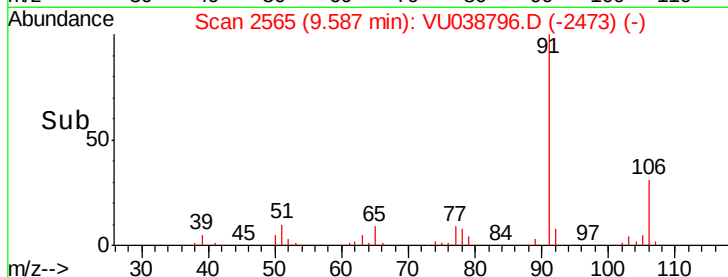
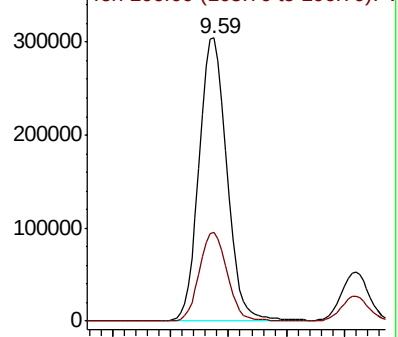
Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038778.D (-2552) (-)



#53

m,p-Xylene

Concen: 6.397 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038796.D

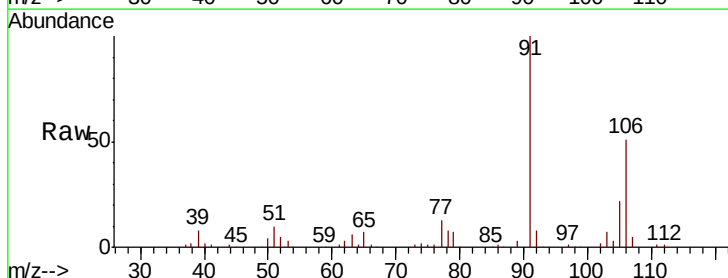
Acq: 10 Jun 2020 23:20

Tgt Ion: 106 Resp: 44761

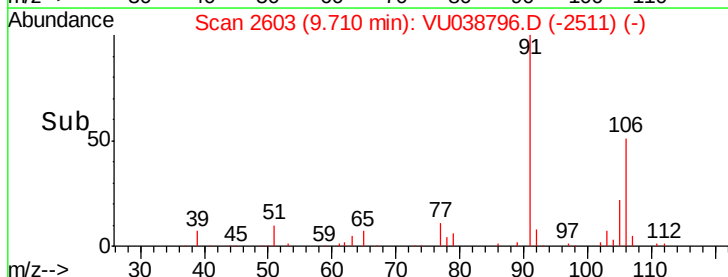
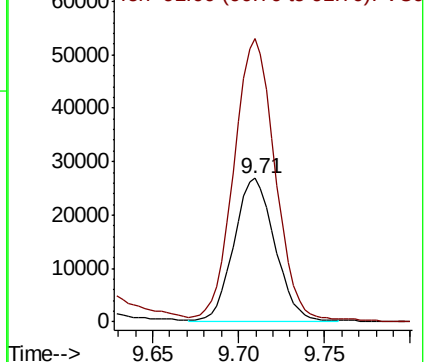
Ion Ratio Lower Upper

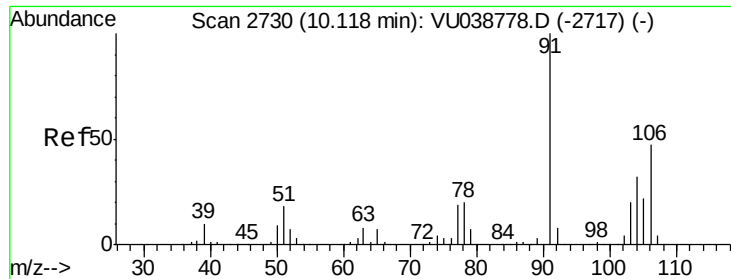
106 100

91 197.3 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038796.D (-2511) (-)

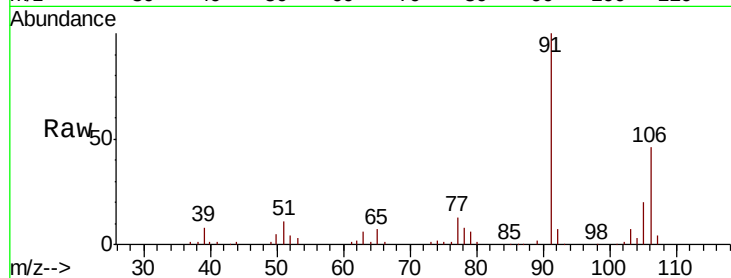




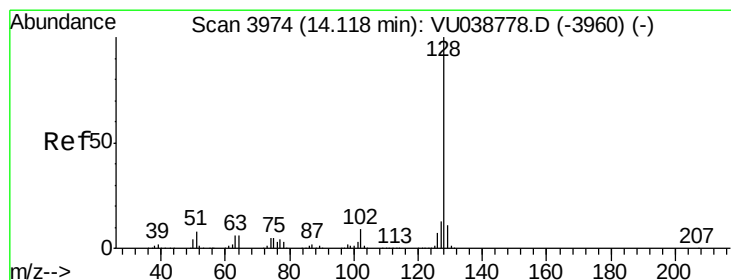
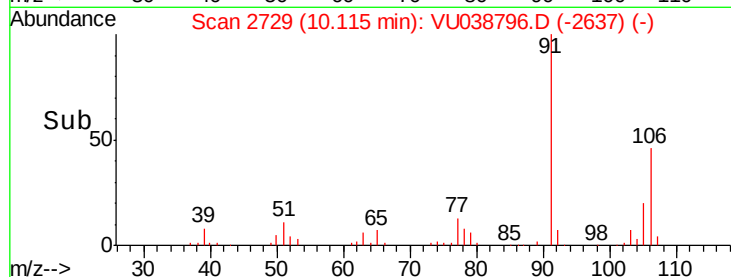
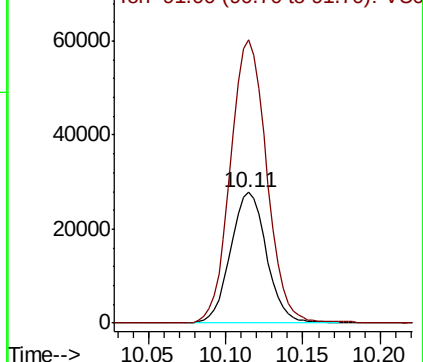
#54
o-xylene
Concen: 6.640 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038796.D
Acq: 10 Jun 2020 23:20

Instrument :
MSVOA_U
ClientSampled :
F9E09

Tot Ion:106 Resp: 45107
Ion Ratio Lower Upper
106 100
91 216.1 151.2 280.8

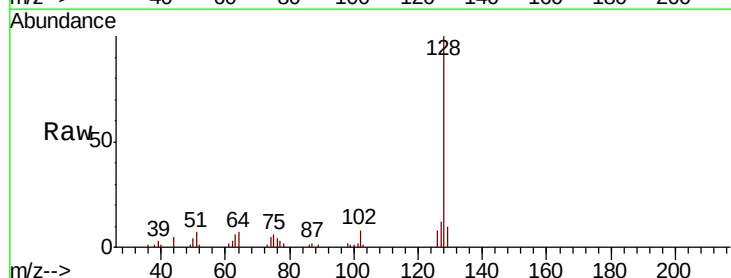


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#69
Naphthalene
Concen: 1.750 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. -0.01 min
Lab File: VU038796.D
Acq: 10 Jun 2020 23:20

Tgt Ion:128 Resp: 32473
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 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

