

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038807.D
 Acq On : 11 Jun 2020 04:07
 Operator : SY/MD
 Sample : L2915-14 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E22

Quant Time: Jun 11 07:14:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	567358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	549092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	262615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	177652	56.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.08%
7) Chloroethane-d5	1.93	69	144513	58.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.54%
11) 1,1-Dichloroethene-d2	2.59	63	277215	40.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.26%
21) 2-Butanone-d5	4.66	46	373139	121.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.00%
24) Chloroform-d	5.10	84	368330	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.78%
26) 1,2-Dichloroethane-d4	5.74	65	251284	55.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.94%
32) Benzene-d6	5.76	84	744158	56.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.52%
36) 1,2-Dichloropropane-d6	6.72	67	229276	56.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.50%
41) Toluene-d8	7.92	98	644392	53.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.82%
43) trans-1,3-Dichloropropene-	8.20	79	108977	53.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.20%
47) 2-Hexanone-d5	8.65	63	263500	121.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	327943	53.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.86%
64) 1,2-Dichlorobenzene-d4	12.20	152	262118	57.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.98%

Target Compounds

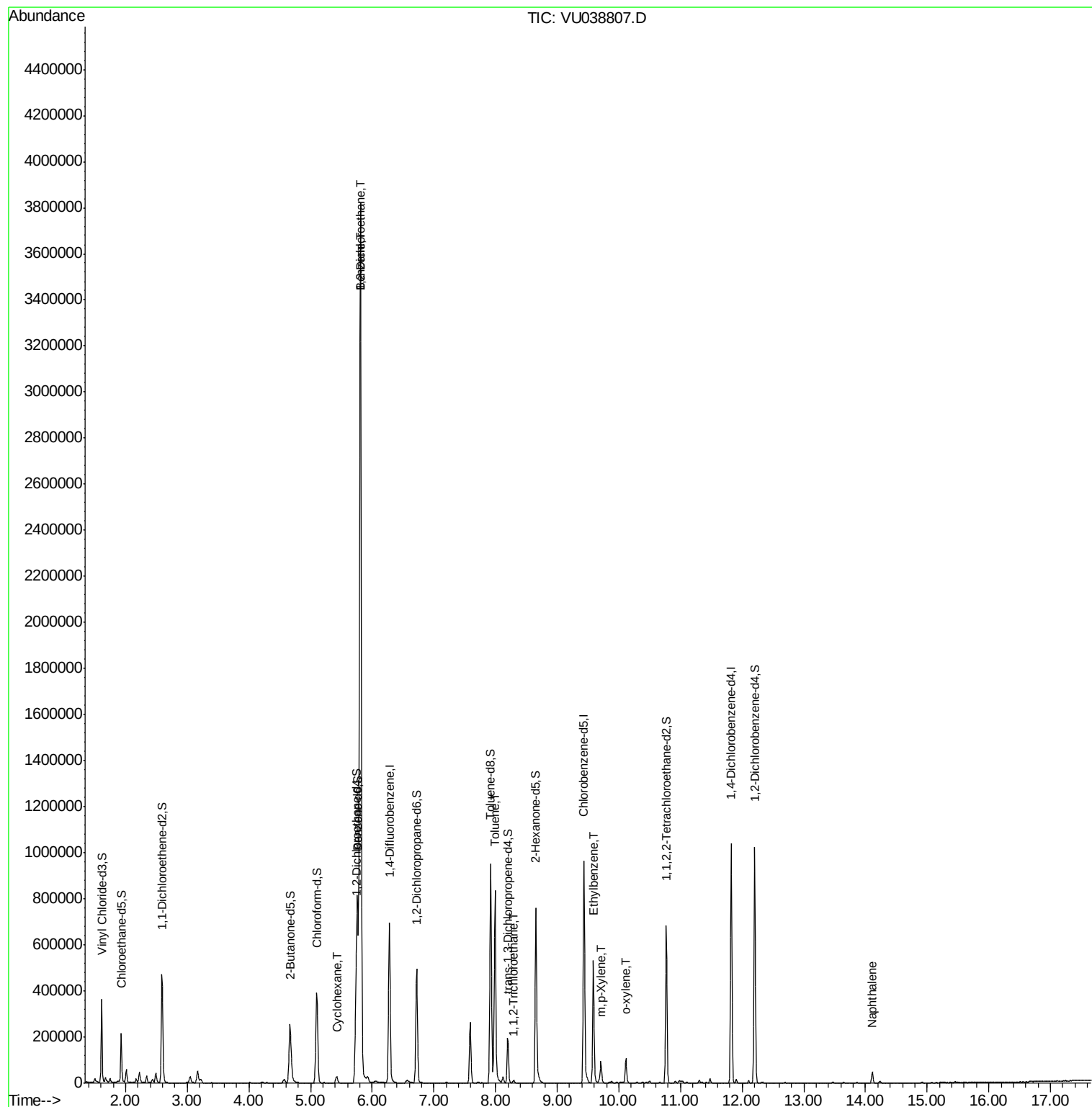
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	32110	5.208	ug/L	# 74
29) Cyclohexane	5.42	56	12780	2.034	ug/L	93
33) Benzene	5.81	78	3624871	222.309	ug/L	100
42) Toluene	7.99	91	615026	36.074	ug/L	100
45) 1,1,2-Trichloroethane	8.29	97	8189	2.002	ug/L	# 19
52) Ethylbenzene	9.59	91	382103	20.307	ug/L	99
53) m,p-Xylene	9.71	106	26206	3.628	ug/L	98
54) o-xylene	10.11	106	28510	4.066	ug/L	99
69) Naphthalene	14.11	128	37006	1.907	ug/L	99

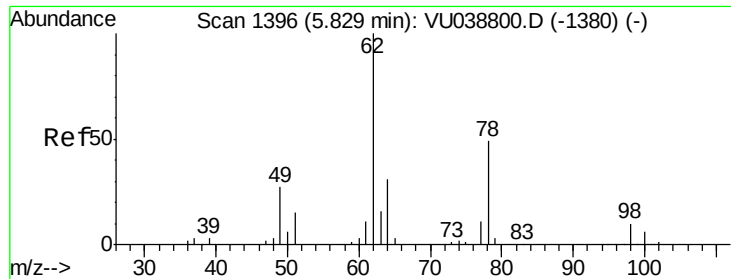
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 11 07:12:16 2020
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 5.208 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038807.D

Acq: 11 Jun 2020 04:07

Instrument :

MSVOA_U

ClientSampleId :

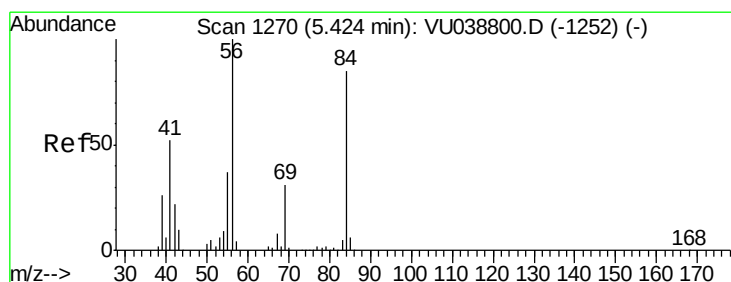
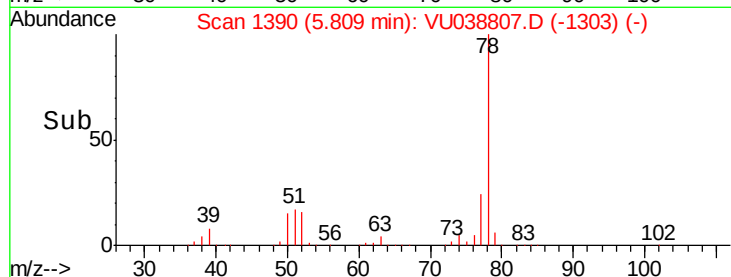
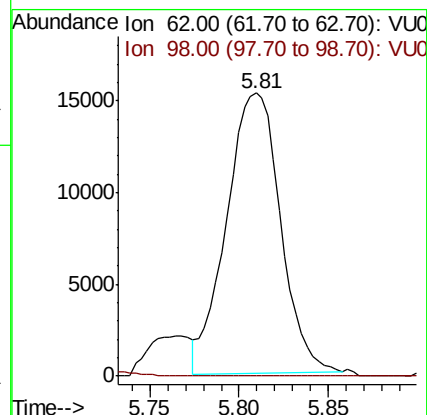
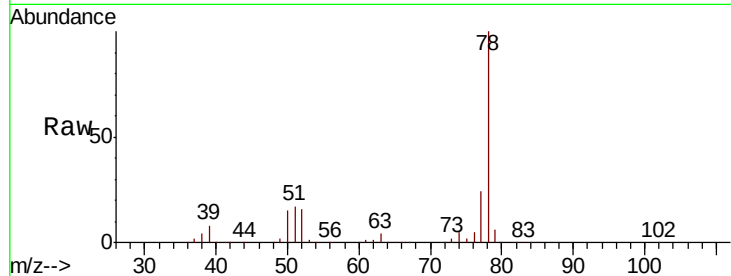
F9E22

Tot Ion: 62 Resp: 32110

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#29

Cyclohexane

Concen: 2.034 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038807.D

Acq: 11 Jun 2020 04:07

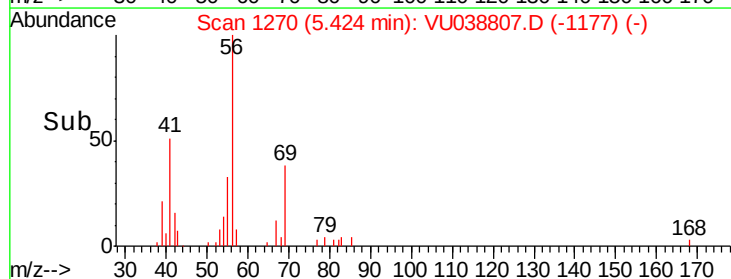
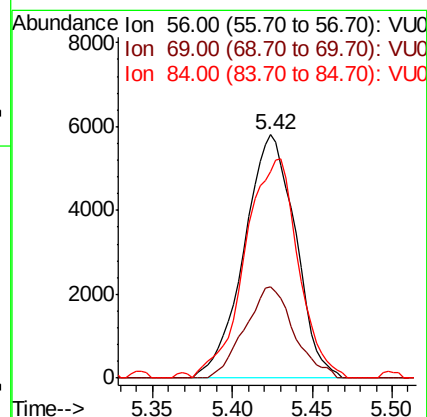
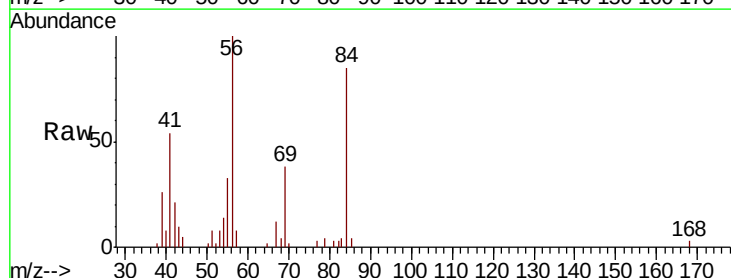
Tgt Ion: 56 Resp: 12780

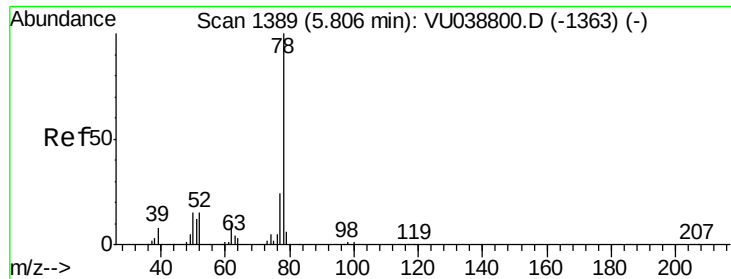
Ion Ratio Lower Upper

56 100

69 35.8 25.1 37.7

84 93.9 70.5 105.7





#33

Benzene

Concen: 222.309 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038807.D

Acq: 11 Jun 2020 04:07

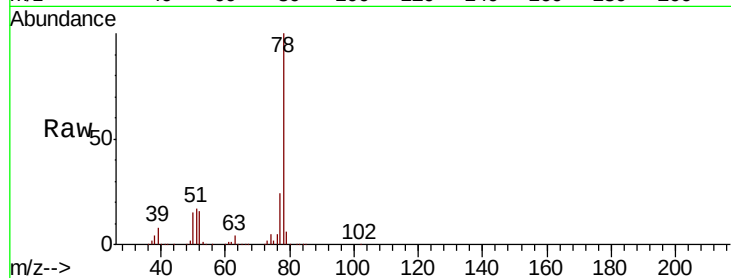
Instrument :

MSVOA_U

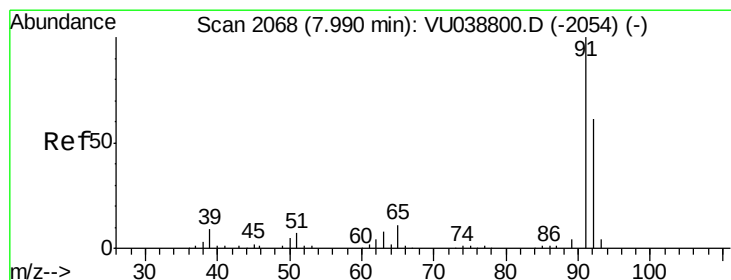
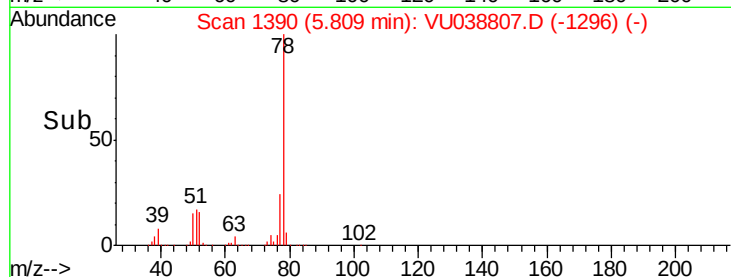
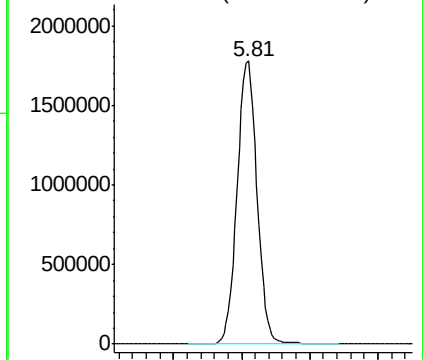
ClientSampleId :

F9E22

Tgt Ion: 78 Resp: 3624871



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 36.074 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038807.D

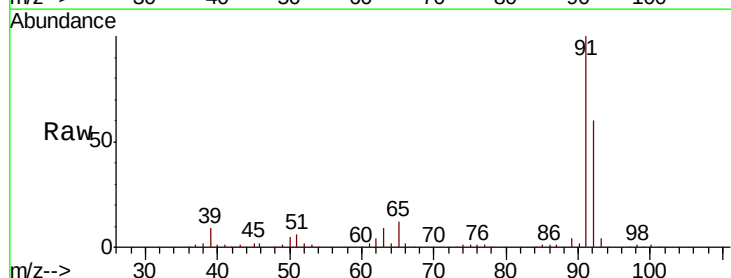
Acq: 11 Jun 2020 04:07

Tgt Ion: 91 Resp: 615026

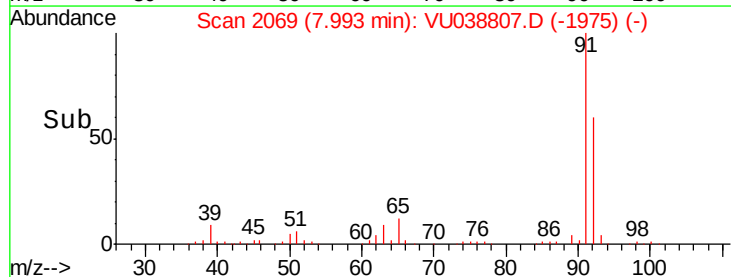
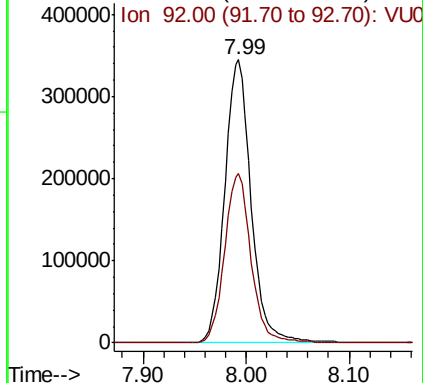
Ion Ratio Lower Upper

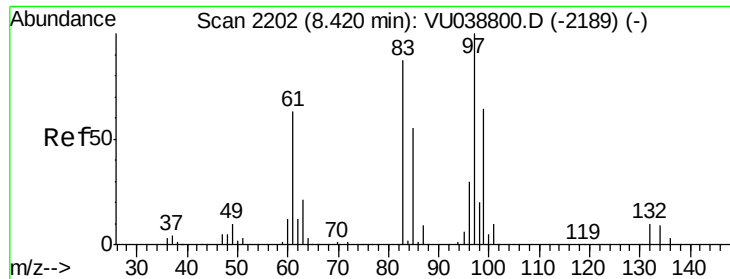
91 100

92 60.0 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

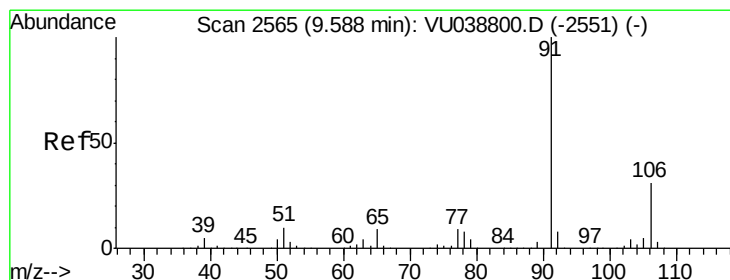
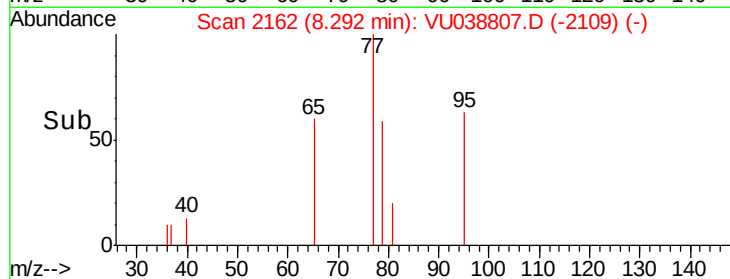
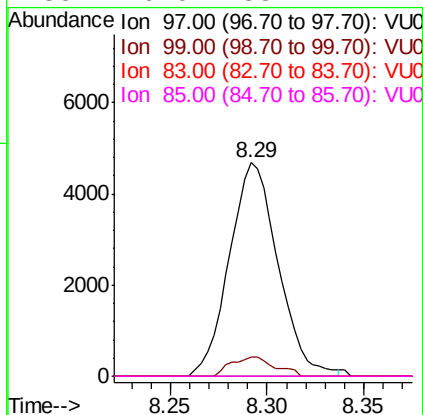
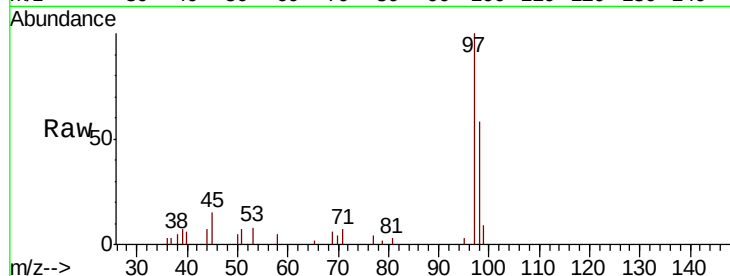




#45
 1,1,2-Trichloroethane
 Concen: 2.002 ug/L
 RT: 8.29 min Scan# 2162
 Delta R.T. -0.13 min
 Lab File: VU038807.D
 Acq: 11 Jun 2020 04:07

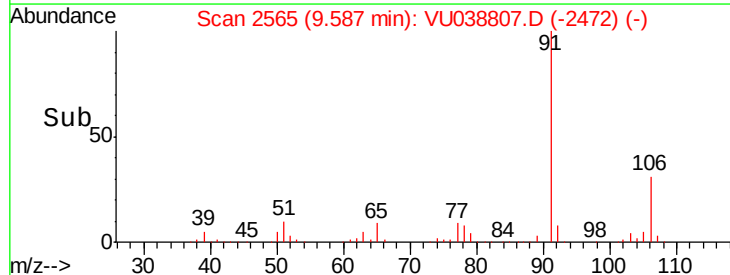
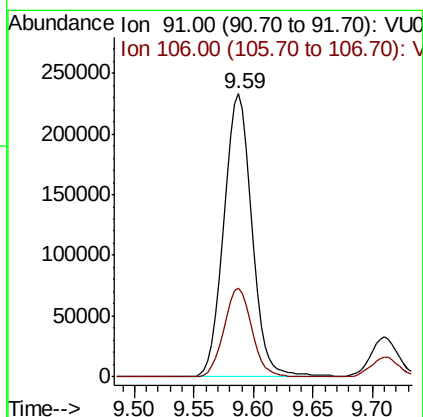
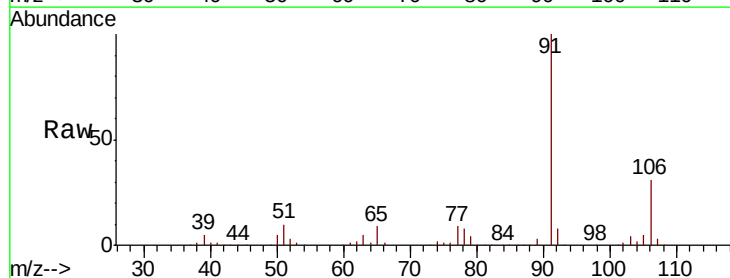
Instrument :
 MSVOA_U
 ClientSampleId :
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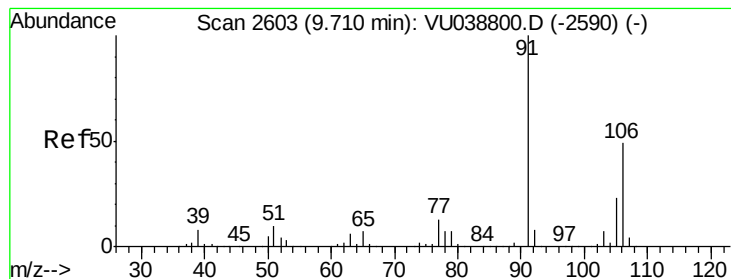
Tot Ion: 97 Resp: 8189
 Ion Ratio Lower Upper
 97 100
 99 9.1 43.6 81.0#
 83 0.0 60.0 111.4#
 85 0.0 38.4 71.2#



#52
 Ethylbenzene
 Concen: 20.307 ug/L
 RT: 9.59 min Scan# 2565
 Delta R.T. -0.00 min
 Lab File: VU038807.D
 Acq: 11 Jun 2020 04:07

Tgt Ion: 91 Resp: 382103
 Ion Ratio Lower Upper
 91 100
 106 31.4 21.5 39.9





#53

m,p-Xylene

Concen: 3.628 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038807.D

Acq: 11 Jun 2020 04:07

Instrument :

MSVOA_U

ClientSampleId :

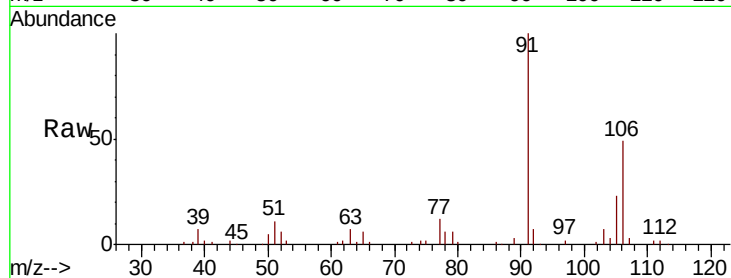
F9E22

Tot Ion:106 Resp: 26206

Ion Ratio Lower Upper

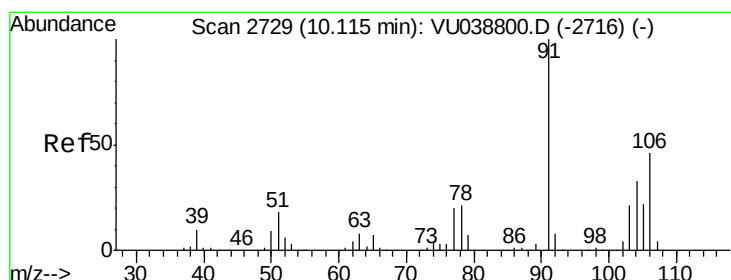
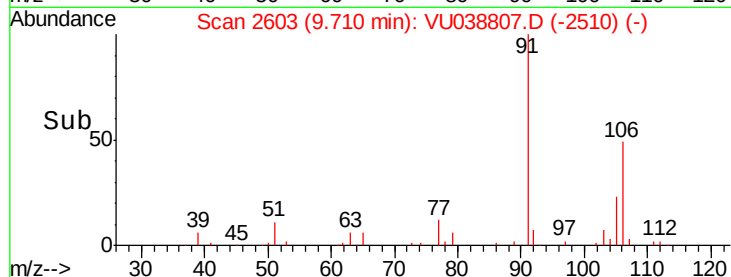
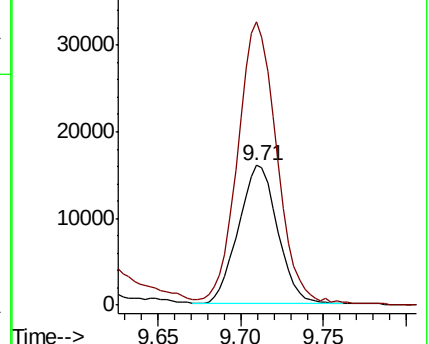
106 100

91 202.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.066 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038807.D

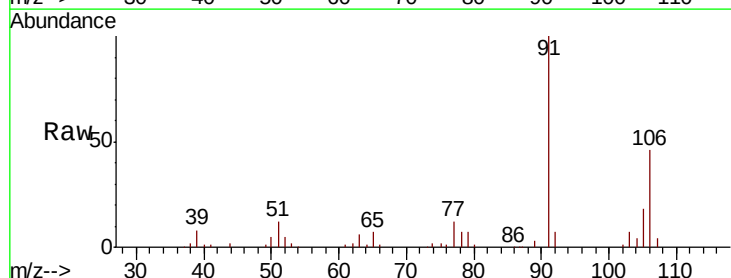
Acq: 11 Jun 2020 04:07

Tgt Ion:106 Resp: 28510

Ion Ratio Lower Upper

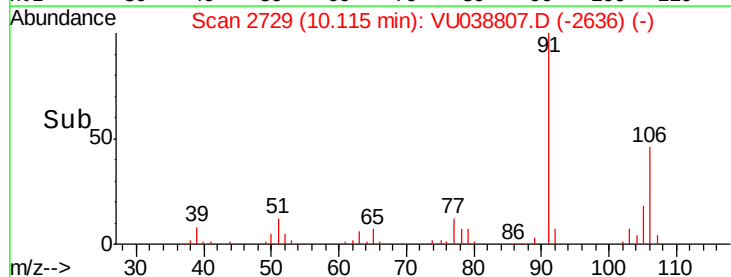
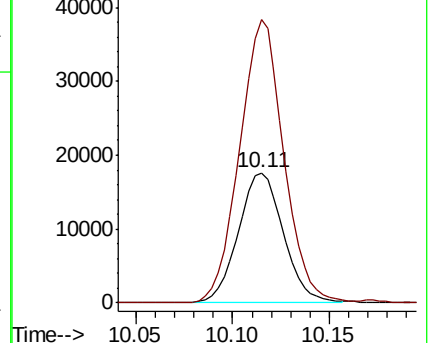
106 100

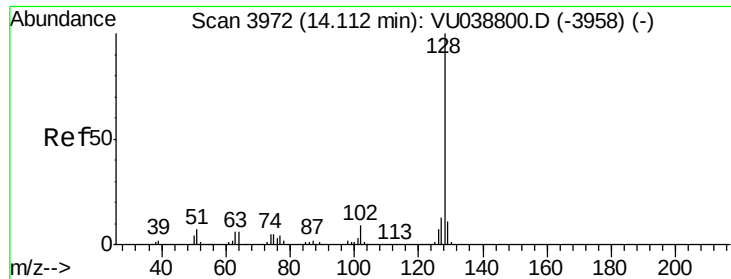
91 217.1 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 1.907 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038807.D

Acq: 11 Jun 2020 04:07

Instrument :

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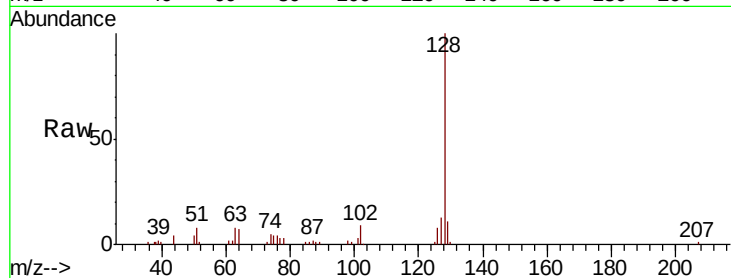
Tot Ion:128 Resp: 37006

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.7 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

