

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038809.D
 Acq On : 11 Jun 2020 04:51
 Operator : SY/MD
 Sample : L2915-16 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E24

Quant Time: Jun 11 07:14:55 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	561736	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	535980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	250082	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	170684	54.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.78%
7) Chloroethane-d5	1.93	69	140380	57.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.32%
11) 1,1-Dichloroethene-d2	2.59	63	264038	38.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.20%
21) 2-Butanone-d5	4.67	46	358261	117.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.34%
24) Chloroform-d	5.10	84	357256	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	251579	56.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.18%
32) Benzene-d6	5.76	84	716634	55.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.02%
36) 1,2-Dichloropropane-d6	6.72	67	221559	55.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.36%
41) Toluene-d8	7.92	98	598260	51.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.56%
43) trans-1,3-Dichloropropene-	8.20	79	104136	51.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.96%
47) 2-Hexanone-d5	8.65	63	257502	121.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	324784	54.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.44%
64) 1,2-Dichlorobenzene-d4	12.20	152	248066	57.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.26%

Target Compounds

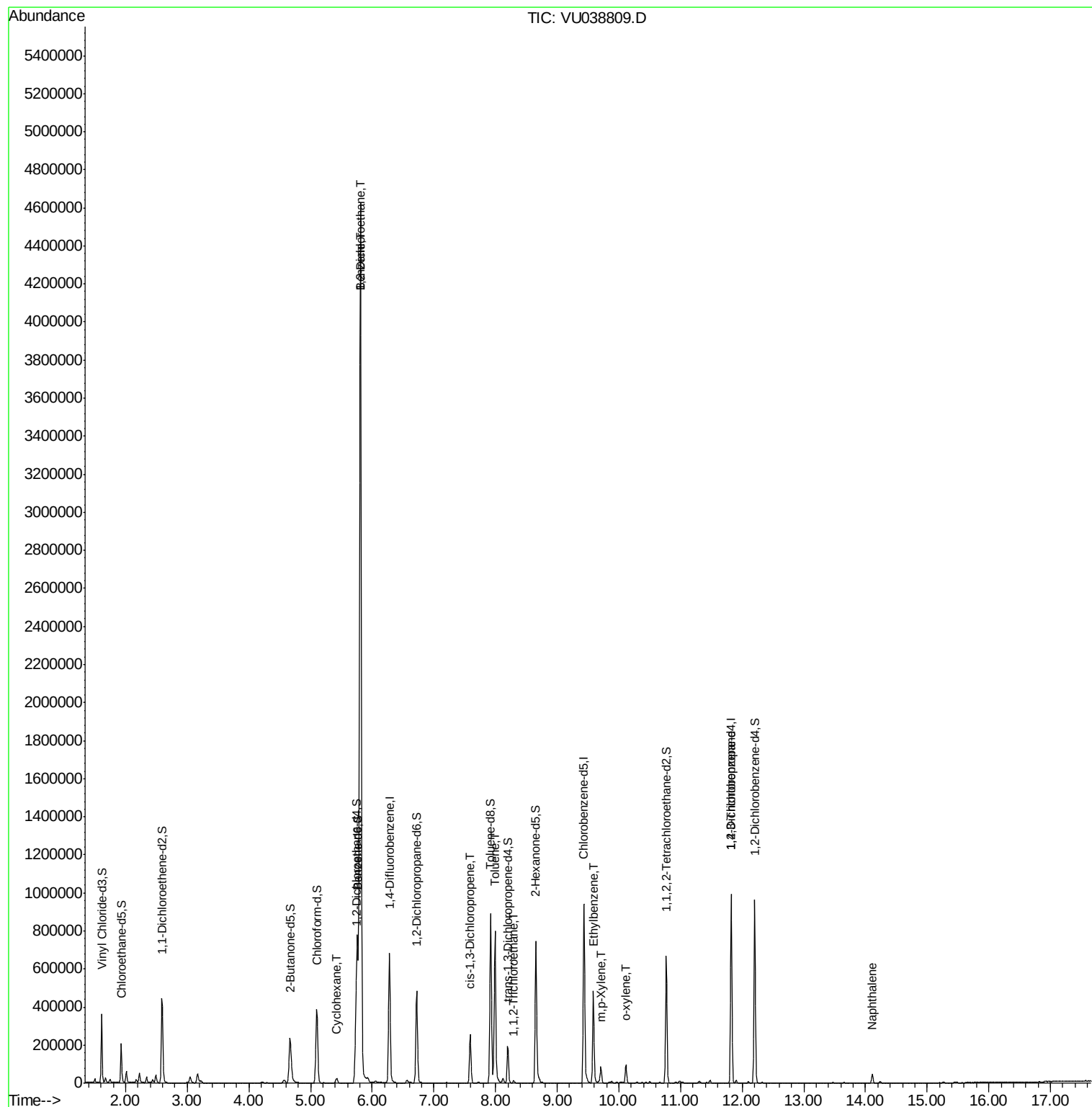
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	37975	6.221	ug/L #	74
29) Cyclohexane	5.42	56	11035	1.800	ug/L	93
33) Benzene	5.81	78	4356572	273.719	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6461	1.010	ug/L #	71
42) Toluene	7.99	91	596313	35.832	ug/L	100
45) 1,1,2-Trichloroethane	8.29	97	8975	2.248	ug/L #	18
52) Ethylbenzene	9.59	91	347202	18.904	ug/L	100
53) m,p-Xylene	9.71	106	24062	3.413	ug/L	97
54) o-xylene	10.11	106	25930	3.788	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	32559	5.599	ug/L	91
69) Naphthalene	14.11	128	35648	1.929	ug/L	99

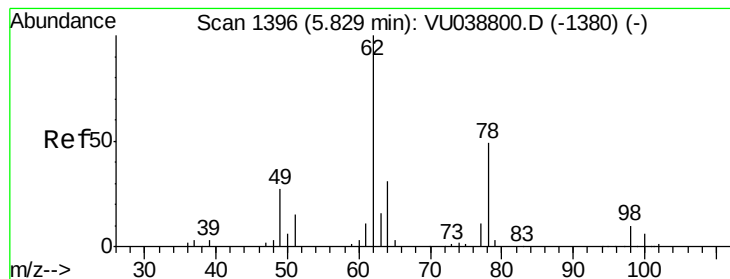
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 6.221 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

Instrument :

MSVOA_U

ClientSampled :

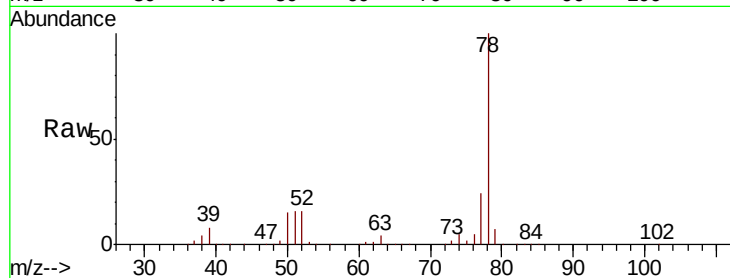
F9E24

Tot Ion: 62 Resp: 37975

Ion Ratio Lower Upper

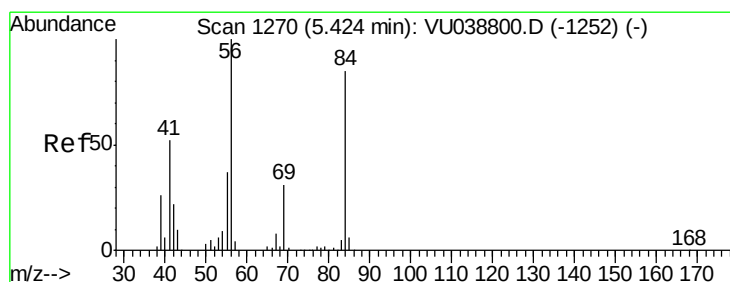
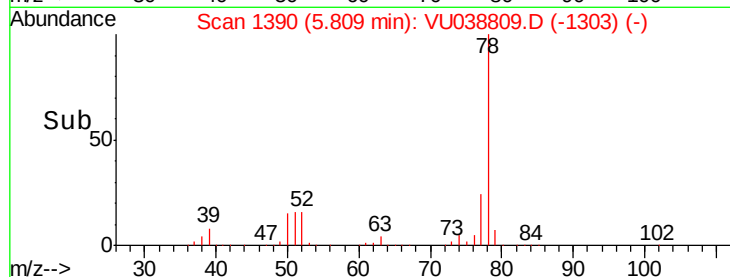
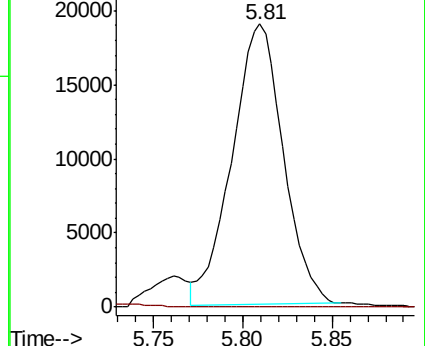
62 100

98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU038800.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU038800.D (-1380) (-)



#29

Cyclohexane

Concen: 1.800 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

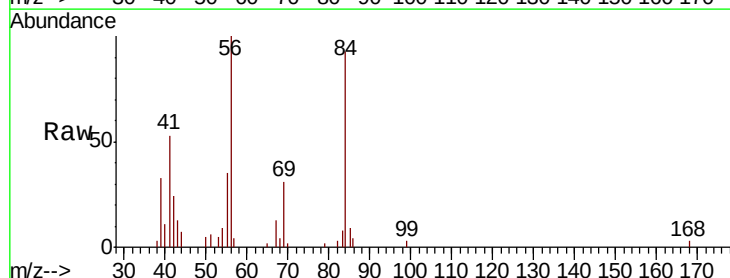
Tgt Ion: 56 Resp: 11035

Ion Ratio Lower Upper

56 100

69 32.8 25.1 37.7

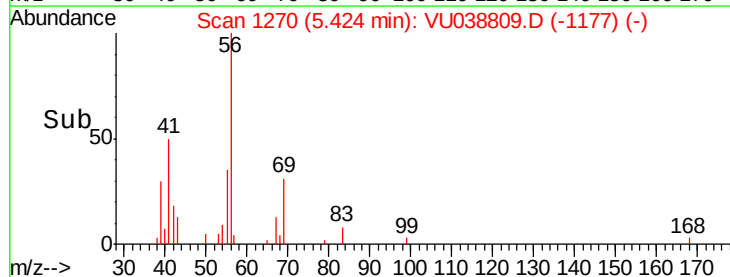
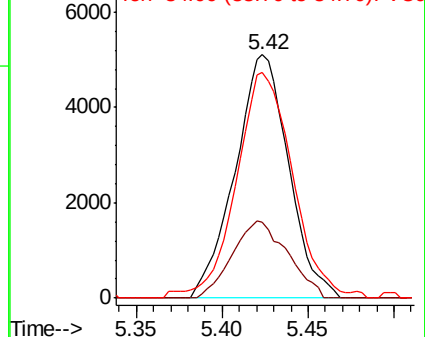
84 96.2 70.5 105.7

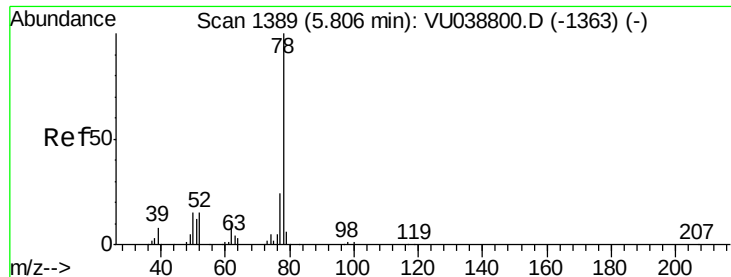


Abundance Ion 56.00 (55.70 to 56.70): VU038800.D (-1252) (-)

Ion 69.00 (68.70 to 69.70): VU038800.D (-1252) (-)

Ion 84.00 (83.70 to 84.70): VU038800.D (-1252) (-)





#33

Benzene

Concen: 273.719 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

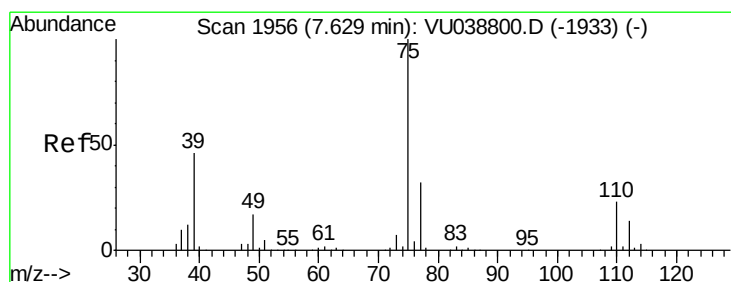
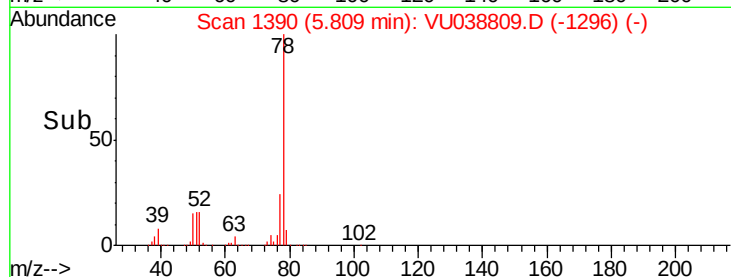
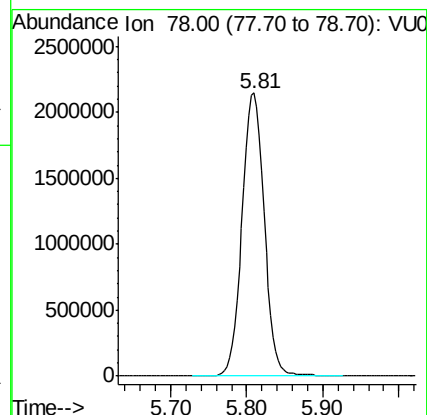
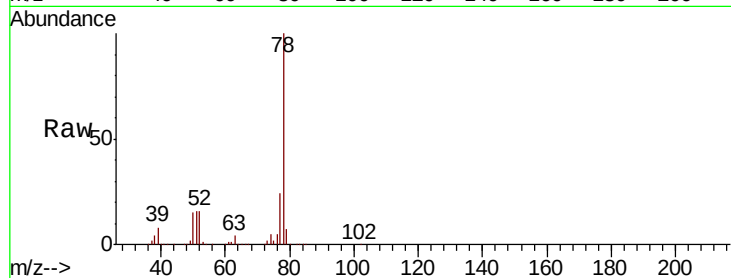
Instrument :

MSVOA_U

ClientSampleId :

F9E24

Tgt Ion: 78 Resp: 4356572



#39

cis-1,3-Dichloropropene

Concen: 1.010 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038809.D

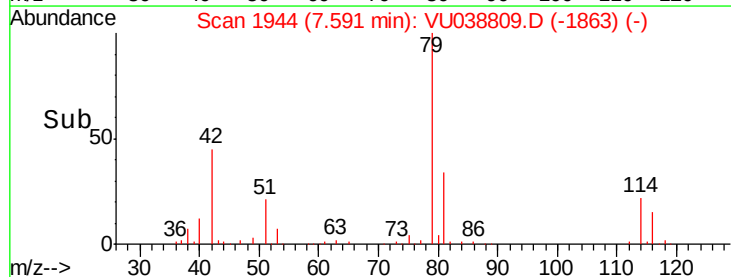
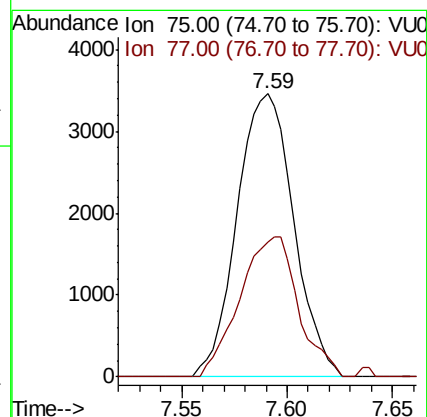
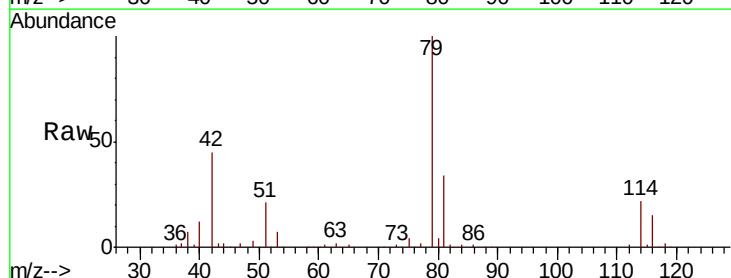
Acq: 11 Jun 2020 04:51

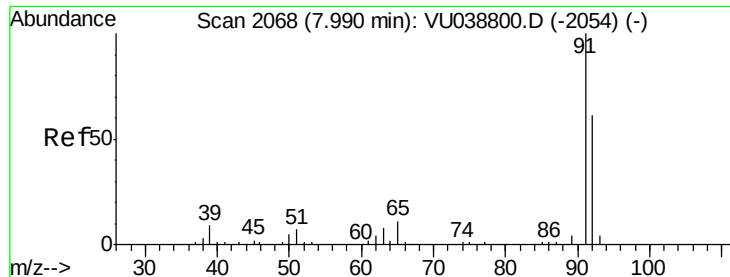
Tgt Ion: 75 Resp: 6461

Ion Ratio Lower Upper

75 100

77 47.7 22.2 41.2#





#42

Toluene

Concen: 35.832 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

Instrument :

MSVOA_U

ClientSampleId :

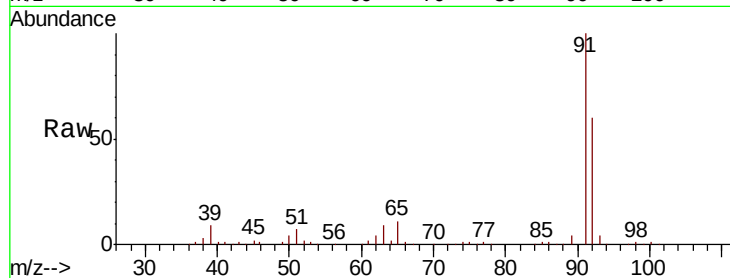
F9E24

Tot Ion: 91 Resp: 596313

Ion Ratio Lower Upper

91 100

92 60.4 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038800.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038800.D (-2054) (-)

7.99

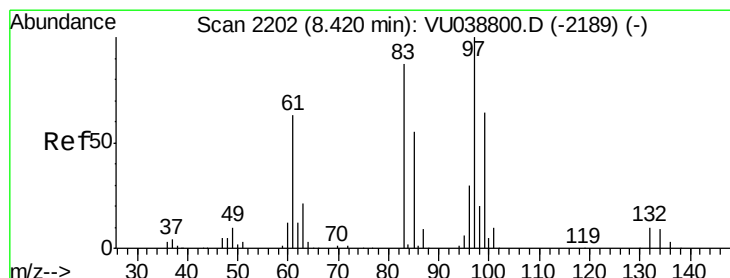
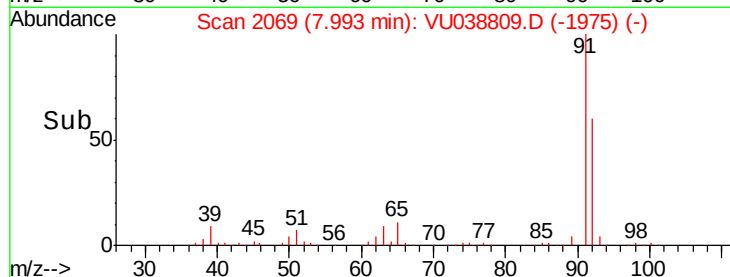
300000

200000

100000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.248 ug/L

RT: 8.29 min Scan# 2162

Delta R.T. -0.13 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

Tgt Ion: 97 Resp: 8975

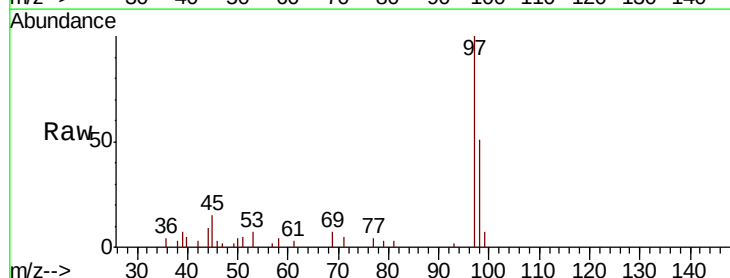
Ion Ratio Lower Upper

97 100

99 6.6 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): VU038800.D (-2189) (-)

Ion 99.00 (98.70 to 99.70): VU038800.D (-2189) (-)

Ion 83.00 (82.70 to 83.70): VU038800.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038800.D (-2189) (-)

8000

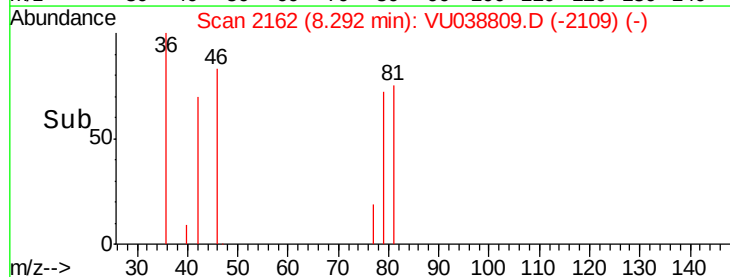
6000

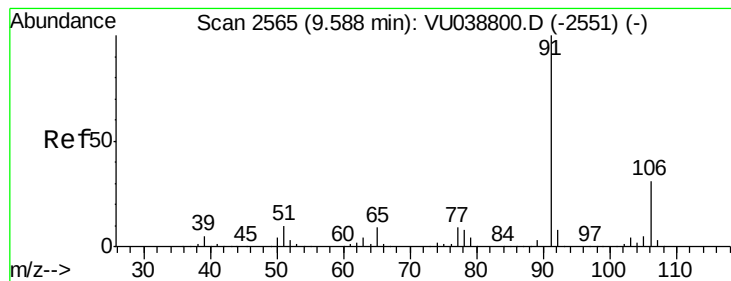
4000

2000

0

Time-->





#52

Ethylbenzene

Concen: 18.904 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

Instrument :

MSVOA_U

ClientSampleId :

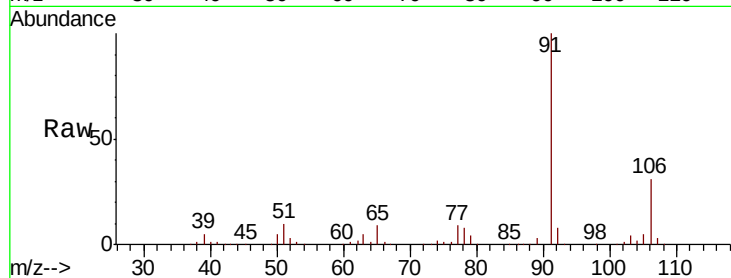
F9E24

Tot Ion: 91 Resp: 347202

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038809.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038809.D (-2551) (-)

9.59

250000

200000

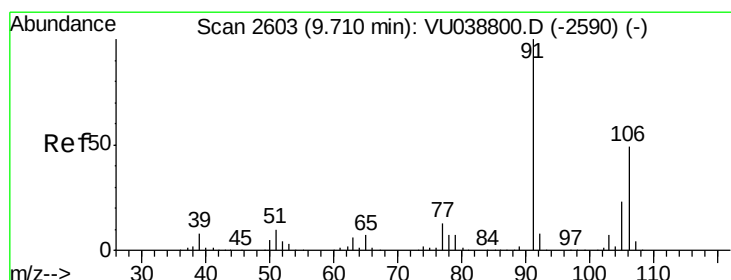
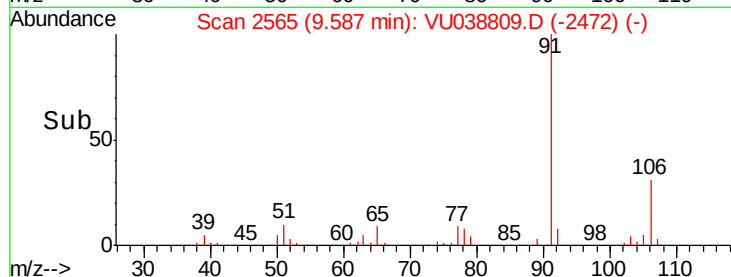
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 3.413 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038809.D

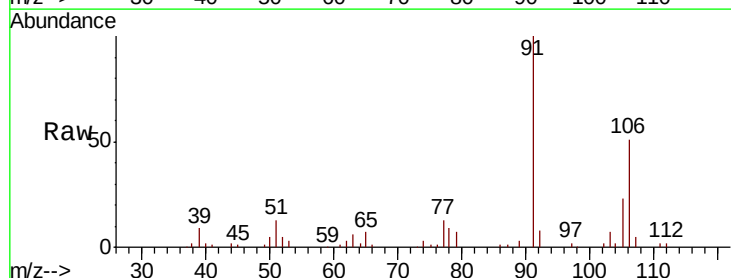
Acq: 11 Jun 2020 04:51

Tgt Ion: 106 Resp: 24062

Ion Ratio Lower Upper

106 100

91 195.7 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038809.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU038809.D (-2590) (-)

9.71

30000

25000

20000

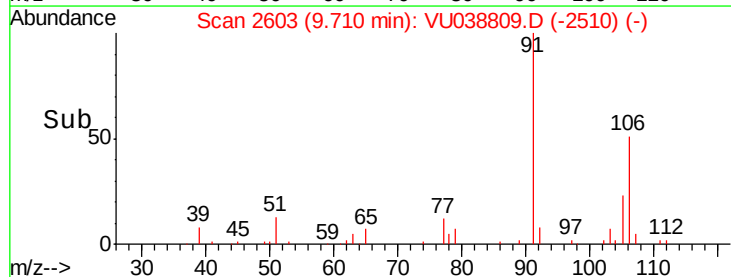
15000

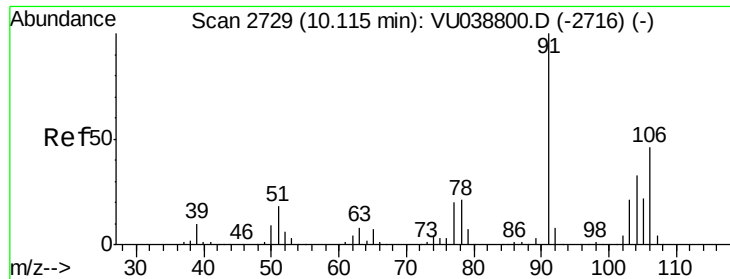
10000

5000

0

Time--> 9.65 9.70 9.75

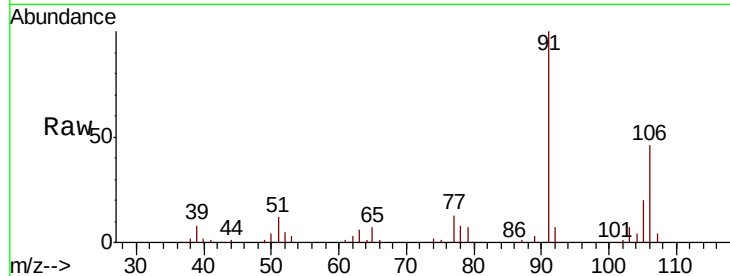




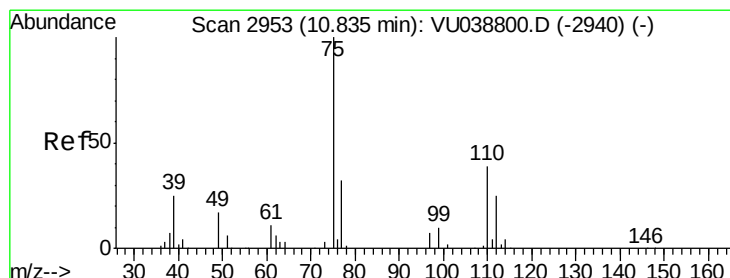
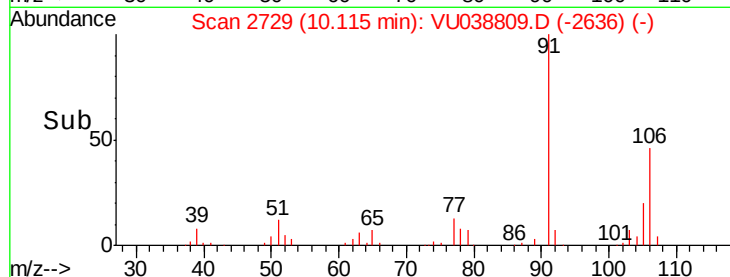
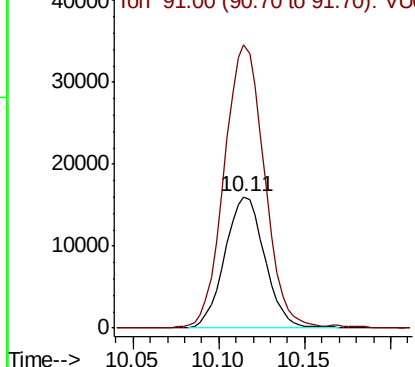
#54
o-xylene
Concen: 3.788 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038809.D
Acq: 11 Jun 2020 04:51

Instrument :
MSVOA_U
ClientSampled :
F9E24

Tot Ion:106 Resp: 25930
Ion Ratio Lower Upper
106 100
91 215.3 151.2 280.8

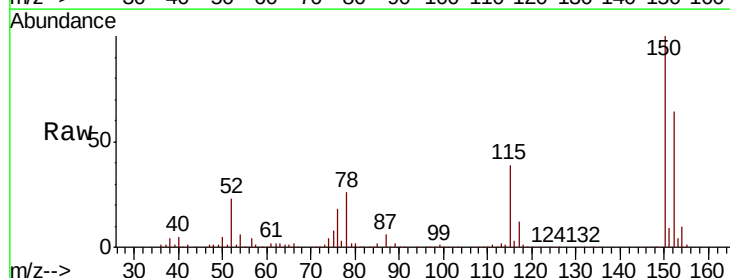


Abundance Ion 106.00 (105.70 to 106.70): VU038809.D (-2636) (-)
Ion 91.00 (90.70 to 91.70): VU038809.D (-2636) (-)

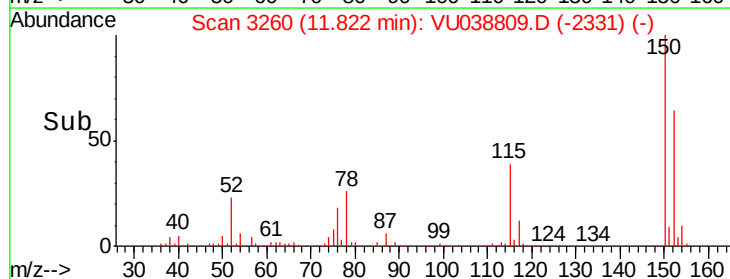
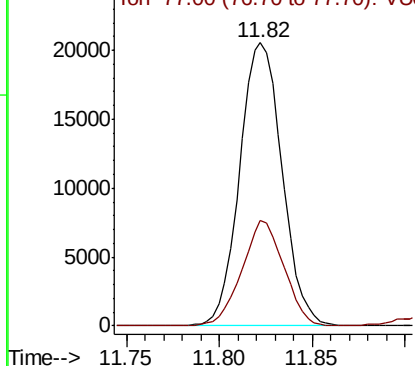


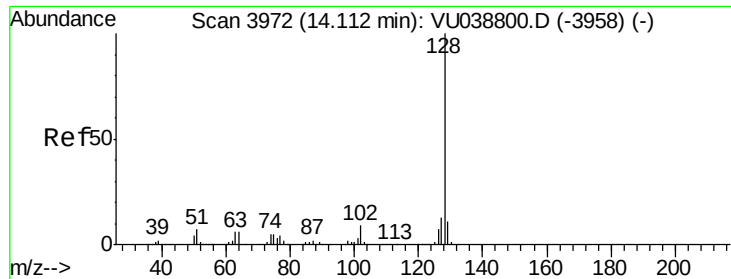
#59
1,2,3-Trichloropropane
Concen: 5.599 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.99 min
Lab File: VU038809.D
Acq: 11 Jun 2020 04:51

Tgt Ion: 75 Resp: 32559
Ion Ratio Lower Upper
75 100
77 36.8 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038809.D (-2331) (-)
Ion 77.00 (76.70 to 77.70): VU038809.D (-2331) (-)





#69

Naphthalene

Concen: 1.929 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038809.D

Acq: 11 Jun 2020 04:51

Instrument :

MSVOA_U

ClientSampleId :

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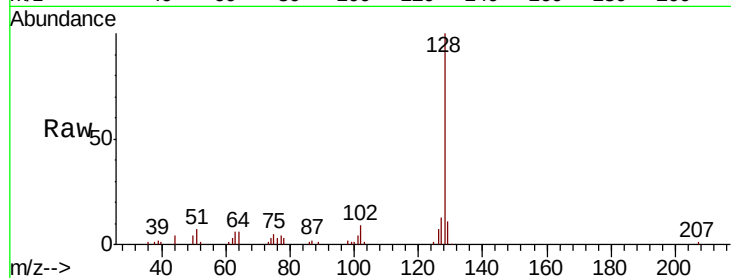
Tot Ion:128 Resp: 35648

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.4 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

