

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
 Data File : VU038662.D
 Acq On : 08 Jun 2020 12:01
 Operator : SY/MD
 Sample : L2911-04DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 09 00:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 09 00:46:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	355876	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	359476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	183294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78992	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.93	69	62662	3.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.80%
11) 1,1-Dichloroethene-d2	2.58	63	128087	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.68	46	354153	50.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.24%
24) Chloroform-d	5.10	84	187850	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.74	65	112861	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.76	84	377601	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.72	67	120055	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.92	98	325134	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.20	79	47781	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.66	63	307807	52.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111278	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	139195	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	3917	0.152 ug/L	96
6) Bromomethane	1.88	94	1338	0.100 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1345	0.061 ug/L #	1
16) Methylene chloride	3.07	84	5767	0.233 ug/L	88
27) 1,2-Dichloroethane	5.82	62	14359	0.475 ug/L	97
30) Cyclohexane	5.42	56	18163	0.455 ug/L	95
33) Benzene	5.81	78	768642	7.668 ug/L	100
35) Methylcyclohexane	6.78	83	9388	0.233 ug/L #	51
42) Toluene	7.99	91	32024	0.305 ug/L	94
45) 1,1,2-Trichloroethane	8.39	97	8817	0.463 ug/L #	21
48) 2-Hexanone	8.72	43	13921	1.019 ug/L	94
52) Ethylbenzene	9.59	91	47852	0.409 ug/L	100
54) o-Xylene	10.12	106	3174	0.073 ug/L	91
56) Isopropylbenzene	10.50	105	21477	0.189 ug/L #	97
59) 1,2,3-Trichloropropane	11.65	75	2224	0.118 ug/L #	1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 09 00:46:08 2020
Response via : Initial Calibration

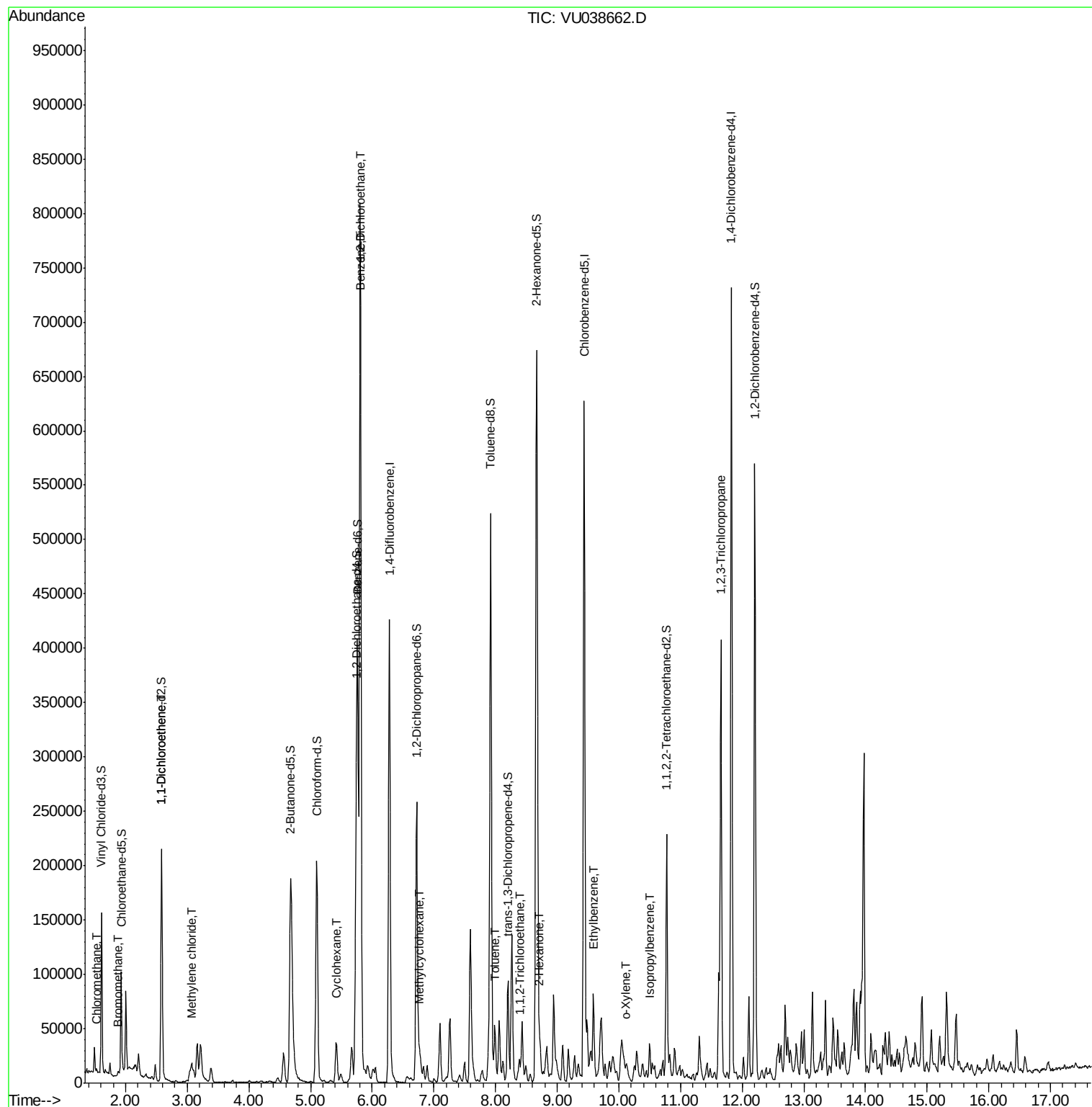
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

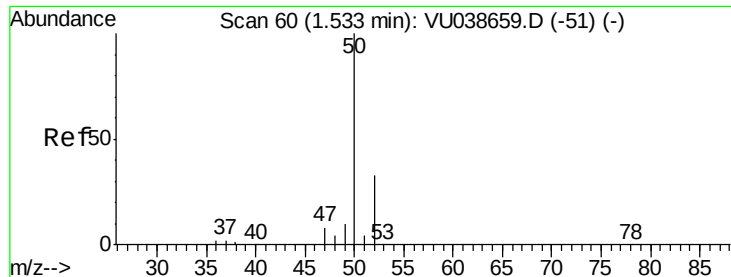
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 09 00:46:08 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.152 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

Instrument :

MSVOA_U

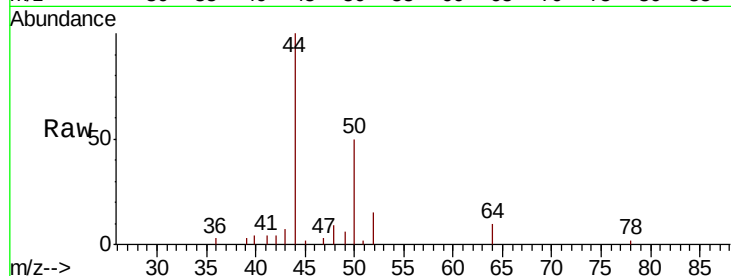
ClientSampleId :

Tot Ion: 50 Resp: 3917

Ion Ratio Lower Upper

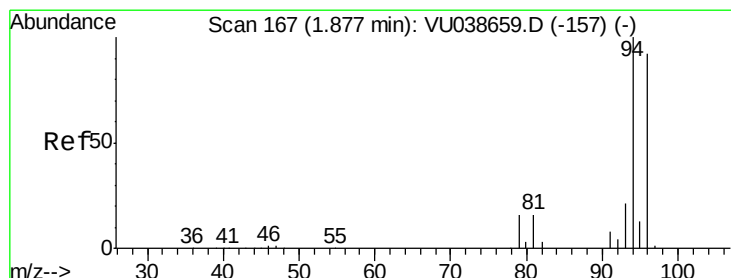
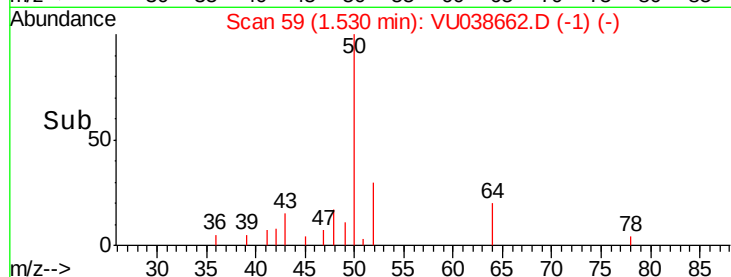
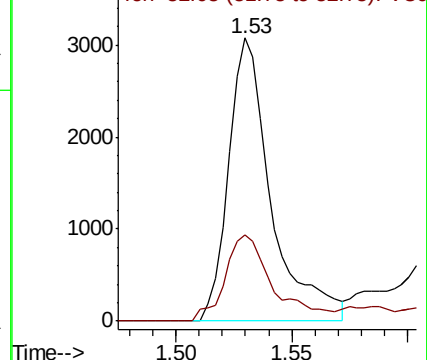
50 100

52 30.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.100 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038662.D

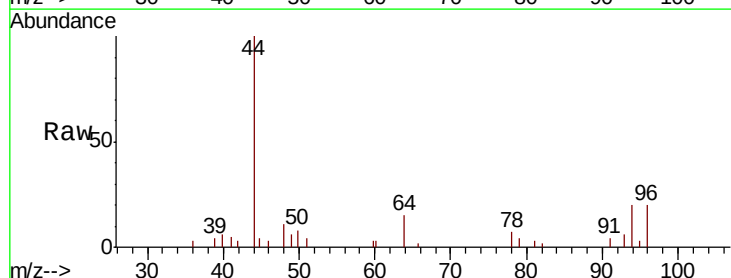
Acq: 08 Jun 2020 12:01

Tgt Ion: 94 Resp: 1338

Ion Ratio Lower Upper

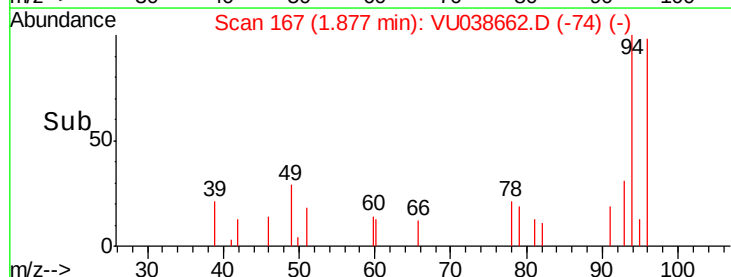
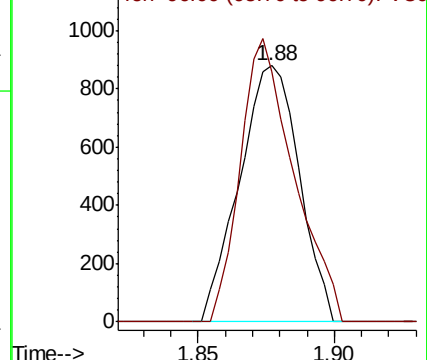
94 100

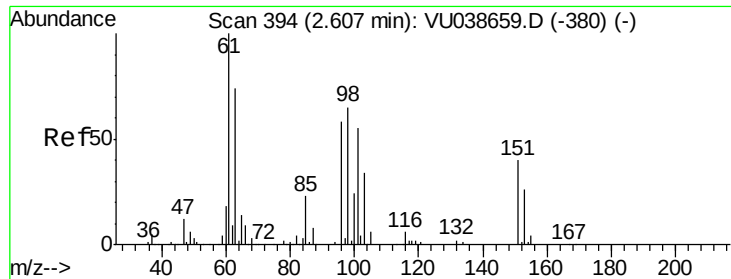
96 97.7 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

Instrument :

MSVOA_U

ClientSampleId :

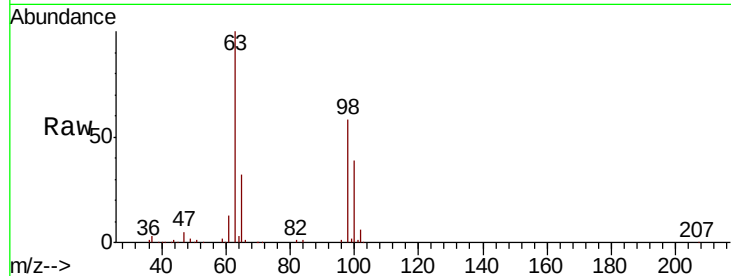
Tot Ion: 96 Resp: 1345

Ion Ratio Lower Upper

96 100

61 1207.2 119.9 222.7#

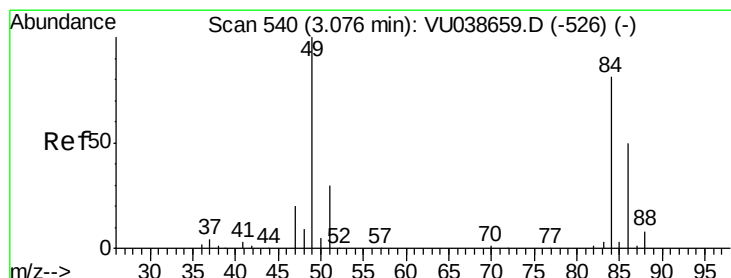
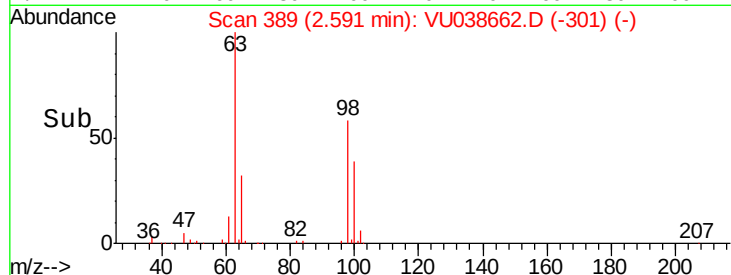
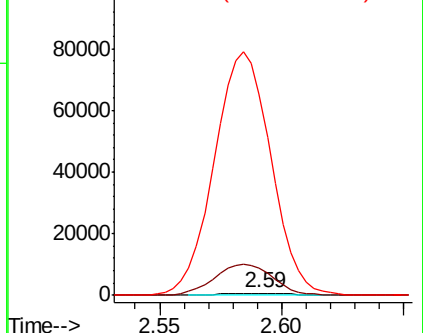
63 9060.4 89.9 167.0#



Abundance Ion 96.00 (95.70 to 96.70): VU038662.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU038662.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU038662.D (-301) (-)



#16

Methylene chloride

Concen: 0.233 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

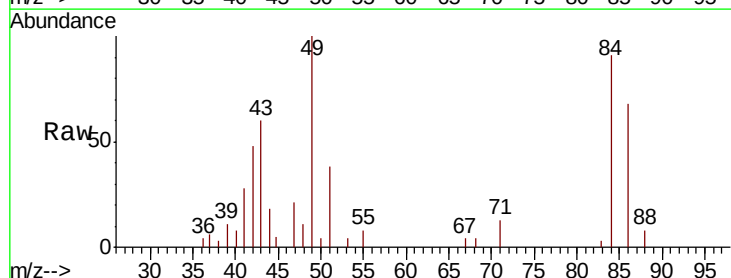
Tgt Ion: 84 Resp: 5767

Ion Ratio Lower Upper

84 100

86 75.3 45.0 83.6

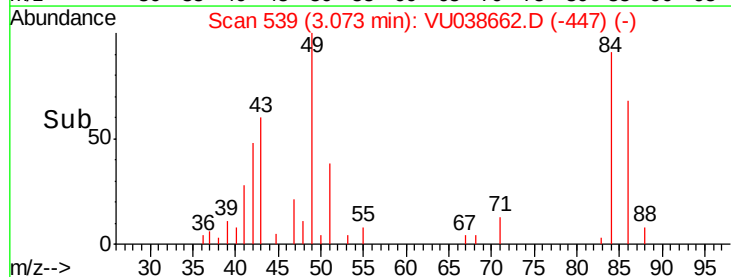
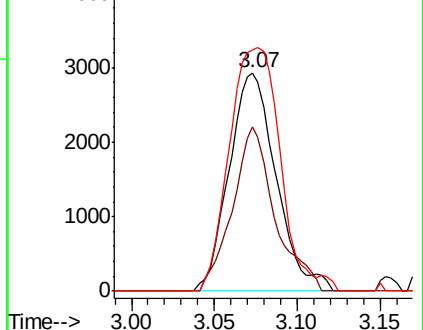
49 110.4 85.5 158.9

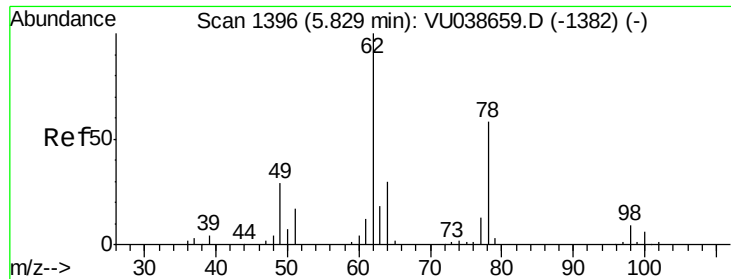


Abundance Ion 84.05 (83.75 to 84.75): VU038662.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038662.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038662.D (-447) (-)

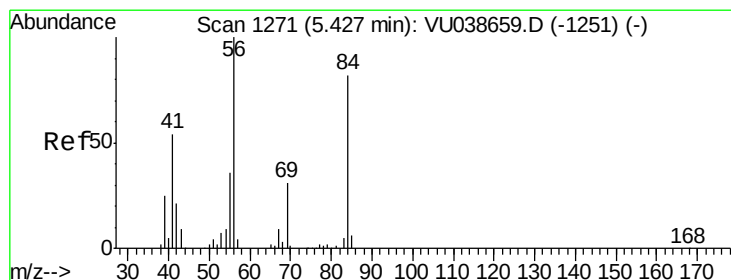
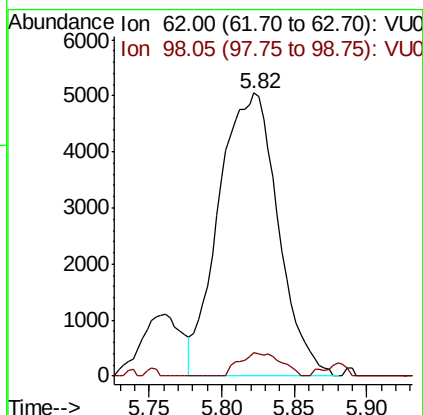
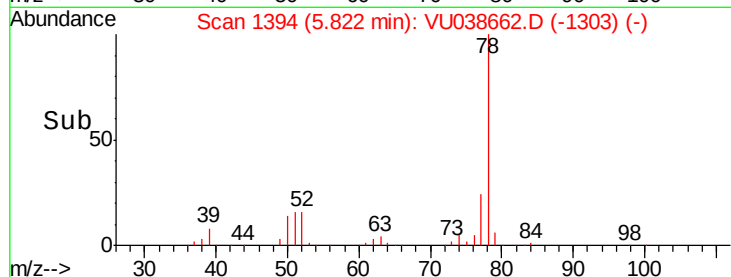
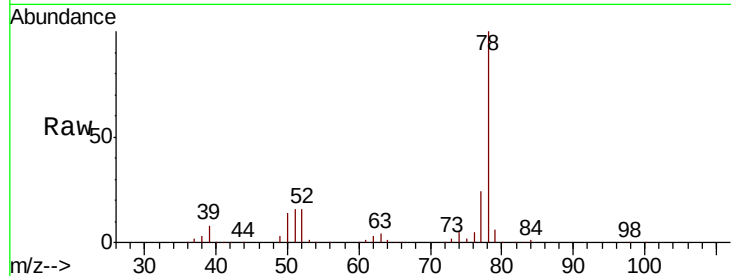




#27
 1,2-Dichloroethane
 Concen: 0.475 ug/L
 RT: 5.82 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VU038662.D
 Acq: 08 Jun 2020 12:01

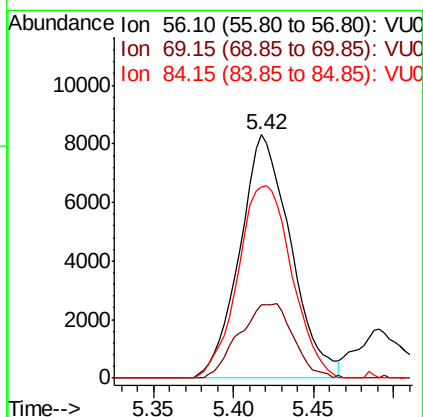
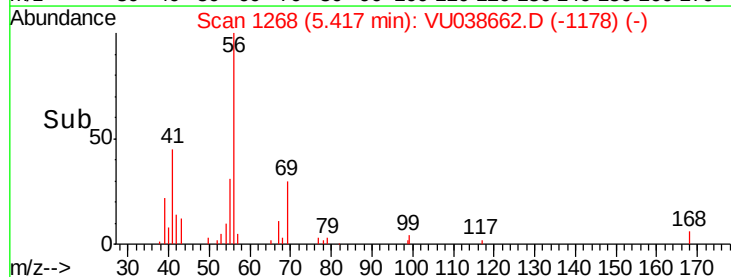
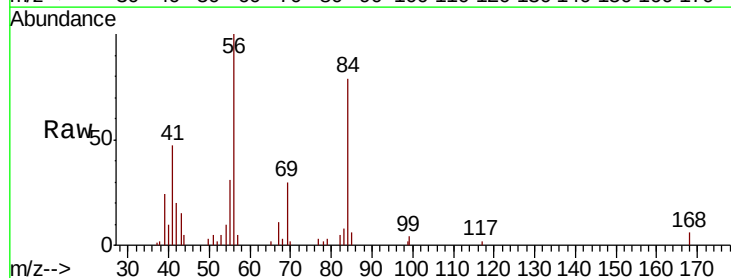
Instrument :
 MSVOA_U
 ClientSampleId :

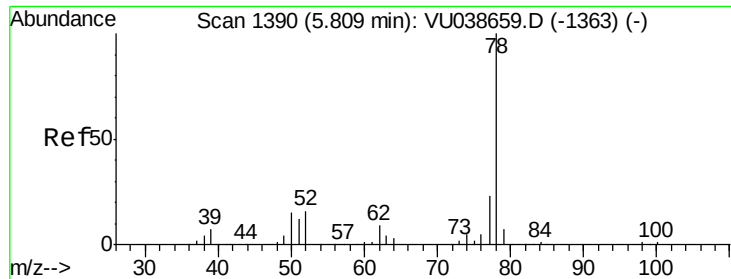
Tot Ion: 62 Resp: 14359
 Ion Ratio Lower Upper
 62 100
 98 8.1 7.4 11.2



#30
 Cyclohexane
 Concen: 0.455 ug/L
 RT: 5.42 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VU038662.D
 Acq: 08 Jun 2020 12:01

Tgt Ion: 56 Resp: 18163
 Ion Ratio Lower Upper
 56 100
 69 32.4 24.2 36.4
 84 83.4 70.8 106.2

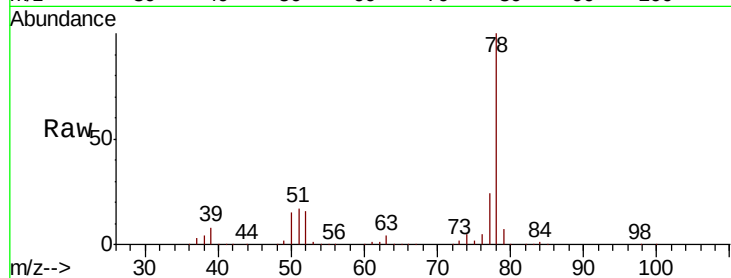




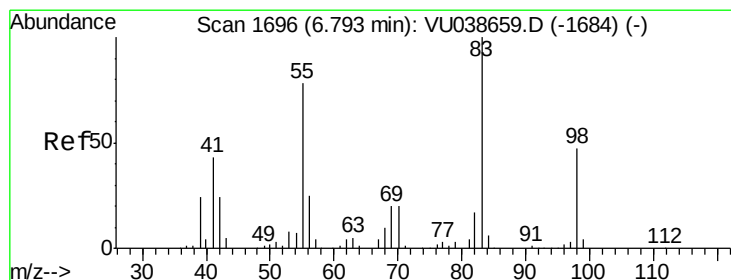
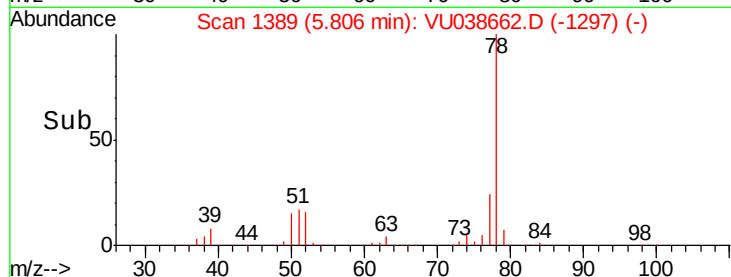
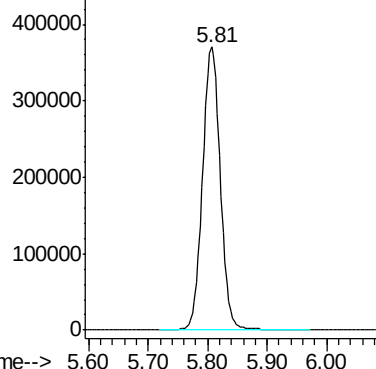
#33
Benzene
Concen: 7.668 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 768642

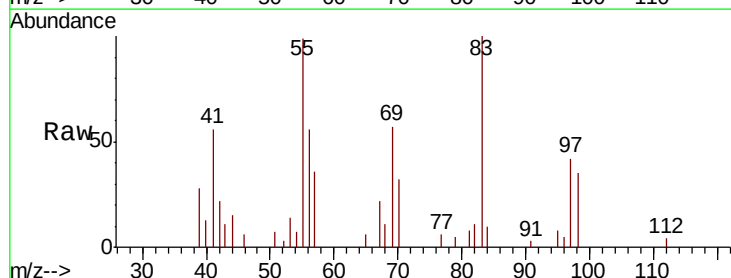


Abundance Ion 78.10 (77.80 to 78.80): VU0

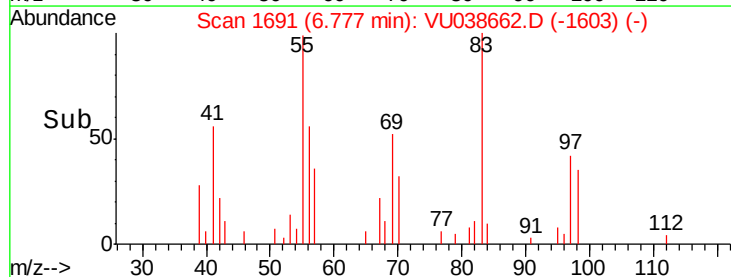
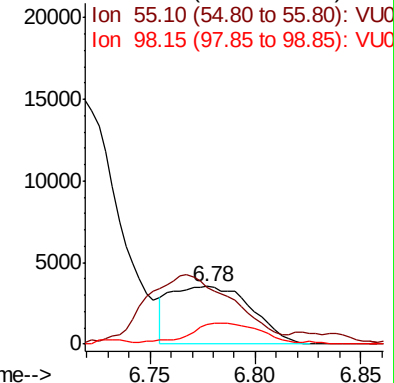


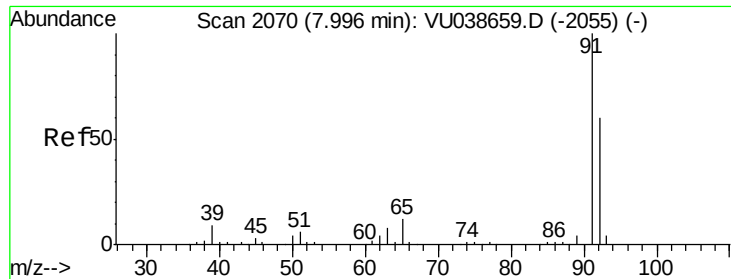
#35
Methylcyclohexane
Concen: 0.233 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. -0.02 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Tgt Ion: 83 Resp: 9388
Ion Ratio Lower Upper
83 100
55 133.3 63.4 95.2#
98 28.4 39.0 58.4#



Abundance Ion 83.15 (82.85 to 83.85): VU0





#42

Toluene

Concen: 0.305 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

Instrument :

MSVOA_U

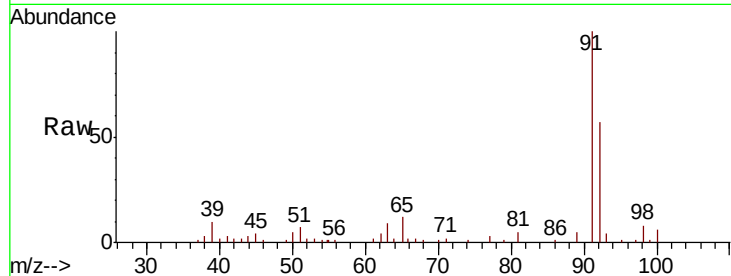
ClientSampleId :

Tot Ion: 91 Resp: 32024

Ion Ratio Lower Upper

91 100

92 56.7 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038659.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038659.D (-2055) (-)

7.99

20000

15000

10000

5000

0

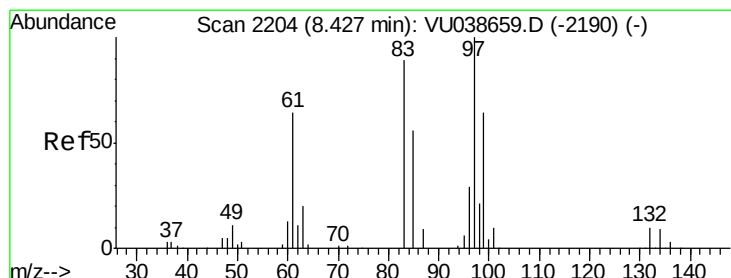
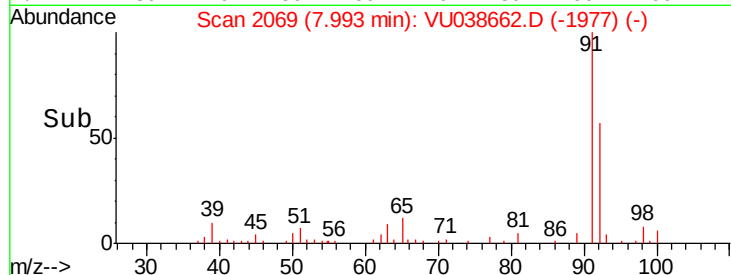
Time-->

7.90

7.95

8.00

8.05



#45

1,1,2-Trichloroethane

Concen: 0.463 ug/L

RT: 8.39 min Scan# 2192

Delta R.T. -0.04 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

Tgt Ion: 97 Resp: 8817

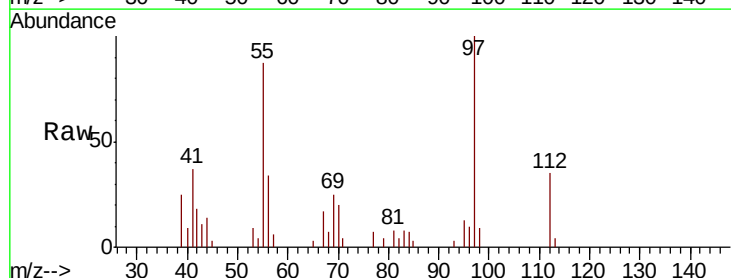
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.1#

83 8.4 58.8 109.2#

85 3.1 37.4 69.4#



Abundance Ion 96.95 (96.65 to 97.65): VU038659.D (-2190) (-)

Ion 99.05 (98.75 to 99.75): VU038659.D (-2190) (-)

Ion 82.95 (82.65 to 83.65): VU038659.D (-2190) (-)

Ion 85.00 (84.70 to 85.70): VU038659.D (-2190) (-)

12000

10000

8000

6000

4000

2000

0

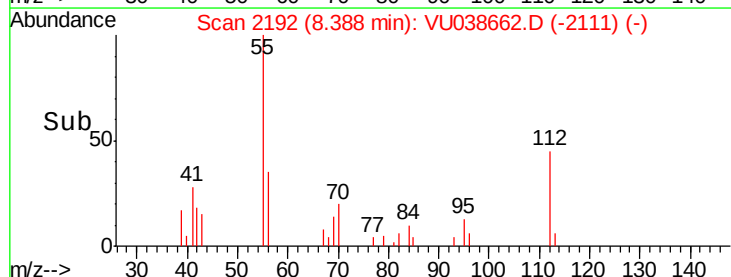
Time-->

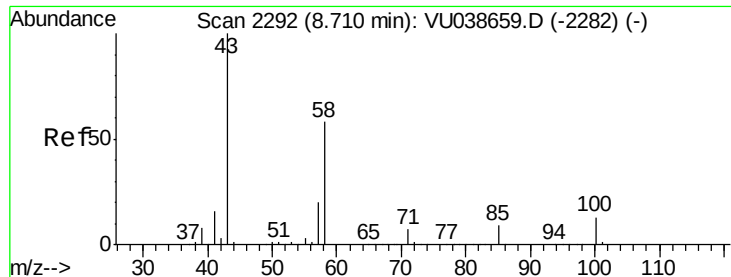
8.30

8.35

8.40

8.45

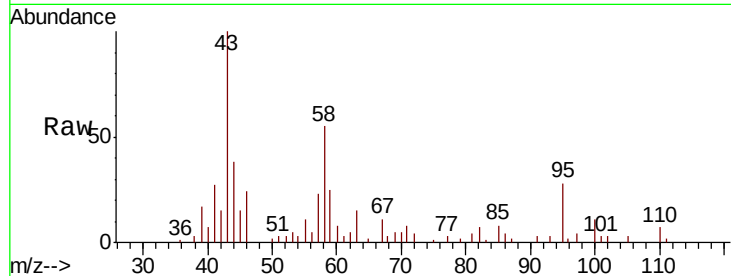




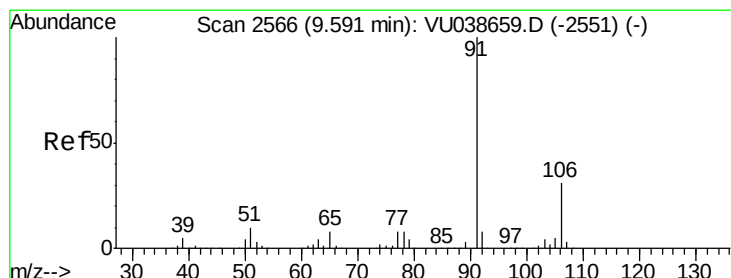
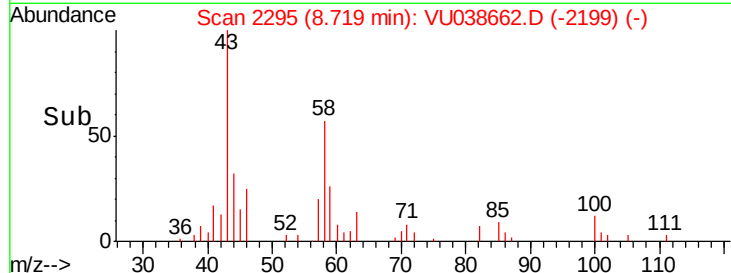
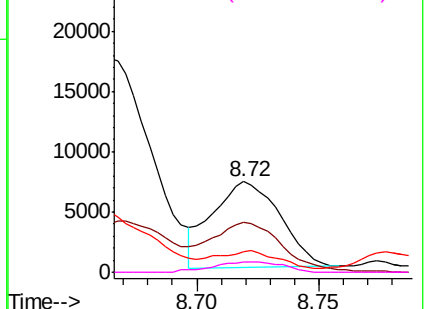
#48
2-Hexanone
Concen: 1.019 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 13921
Ion Ratio Lower Upper
43 100
58 61.9 45.4 68.0
57 22.6 15.9 23.9
100 12.3 10.5 15.7

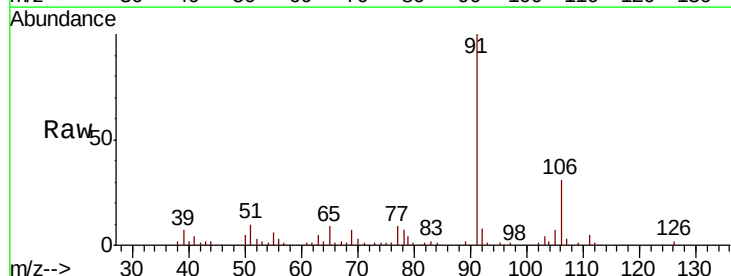


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

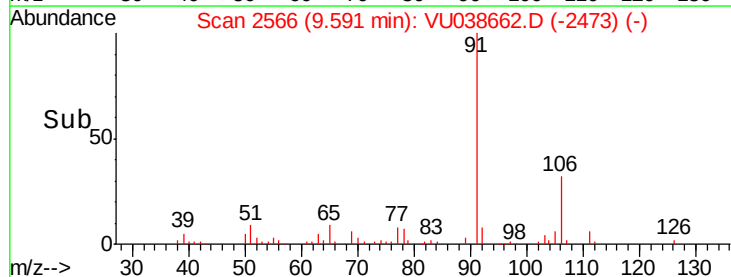
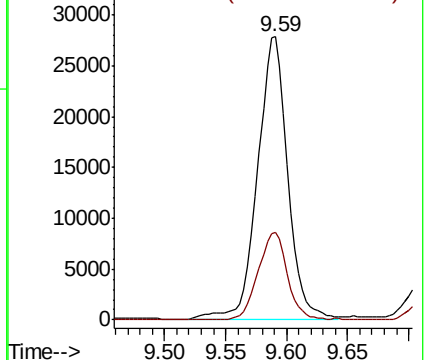


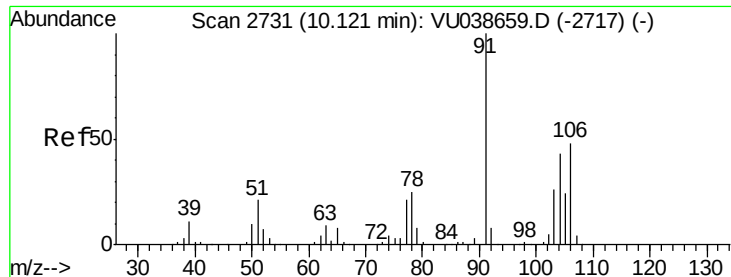
#52
Ethylbenzene
Concen: 0.409 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Tgt Ion: 91 Resp: 47852
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



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

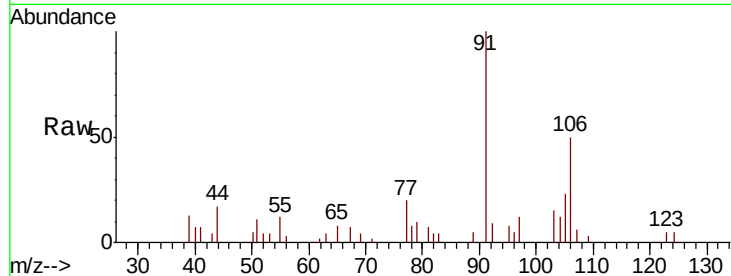




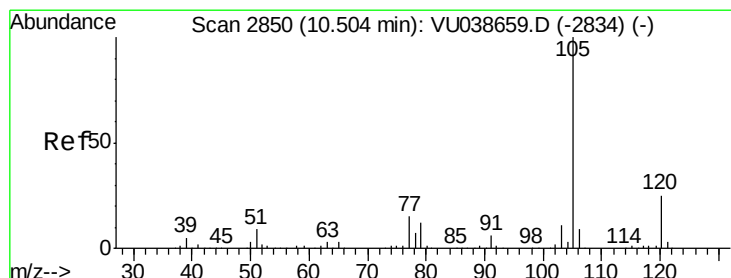
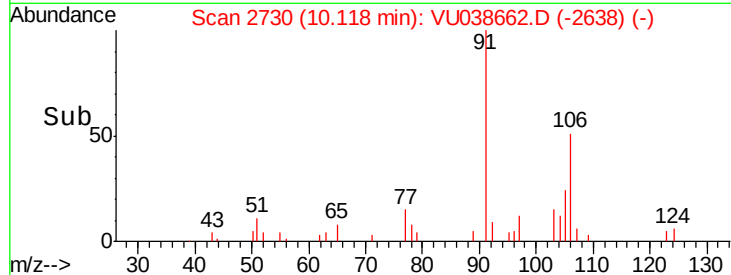
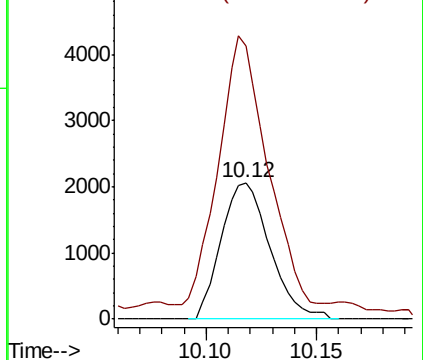
#54
o-Xylene
Concen: 0.073 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3174
Ion Ratio Lower Upper
106 100
91 200.3 150.6 279.8

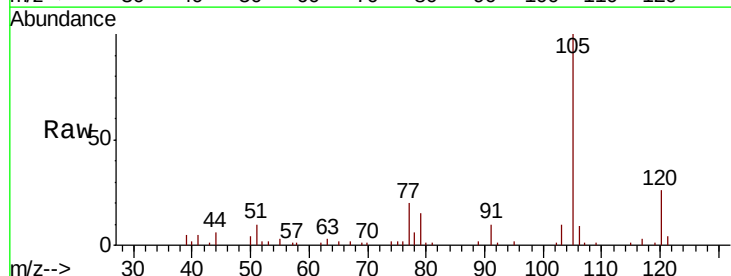


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU

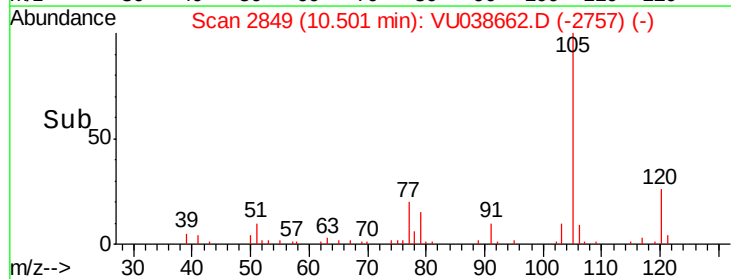
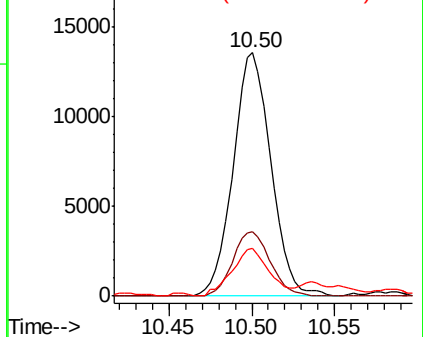


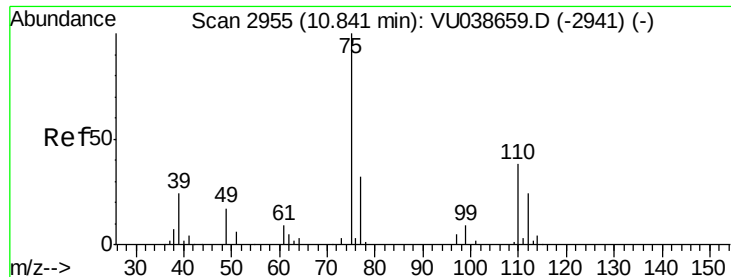
#56
Isopropylbenzene
Concen: 0.189 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038662.D
Acq: 08 Jun 2020 12:01

Tgt Ion:105 Resp: 21477
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 19.1 12.5 18.7#



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU





#59

1,2,3-Trichloropropane

Concen: 0.118 ug/L

RT: 11.65 min Scan# 3208

Delta R.T. 0.81 min

Lab File: VU038662.D

Acq: 08 Jun 2020 12:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 2224

Ion Ratio Lower Upper

75 100

77 1705.1 25.4 38.2#

