

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
 Data File : VU038286.D
 Acq On : 22 May 2020 18:39
 Operator : JC/MD
 Sample : L2724-12DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T8DL

Quant Time: May 22 23:01:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	312738	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	301598	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97391	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	90417	3.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.00%
11) 1,1-Dichloroethene-d2	2.59	63	149259	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.66	46	365703	51.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.64%
24) Chloroform-d	5.10	84	207767	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	122387	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.76	84	431171	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	137372	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.92	98	378040	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.20	79	51937	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.65	63	286226	51.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113029	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	152827	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

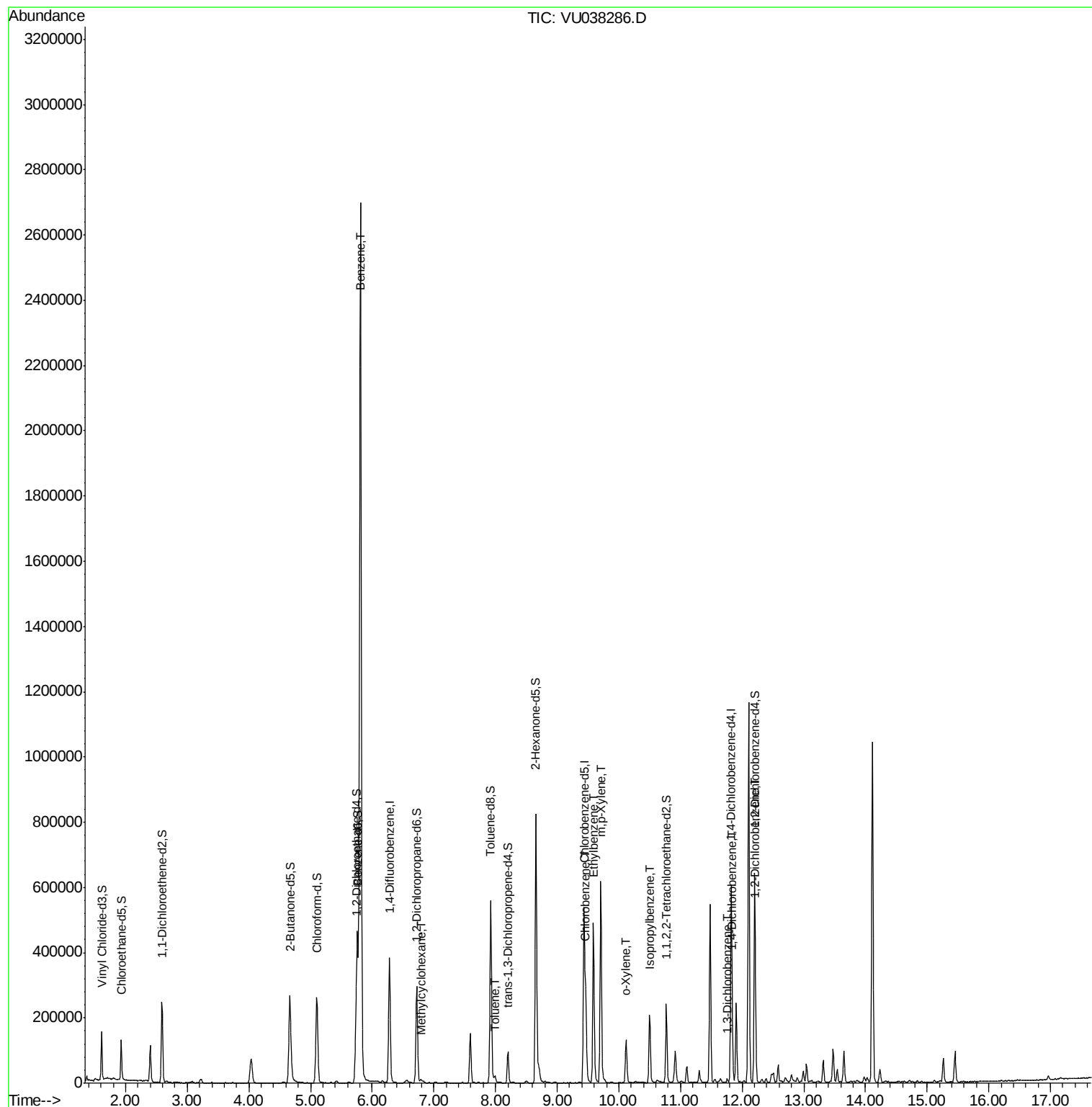
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.81	78	2544214	26.343	ug/L	100
35) Methylcyclohexane	6.79	83	3605	0.092	ug/L	93
42) Toluene	7.99	91	12670	0.124	ug/L	88
51) Chlorobenzene	9.47	112	135666	2.144	ug/L	100
52) Ethylbenzene	9.59	91	369026	3.341	ug/L	98
53) m,p-Xylene	9.71	106	181853	4.294	ug/L	99
54) o-Xylene	10.12	106	32466	0.793	ug/L	99
56) Isopropylbenzene	10.50	105	141662	1.347	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	3321	0.066	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	16549	0.327	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	10115	0.210	ug/L	98

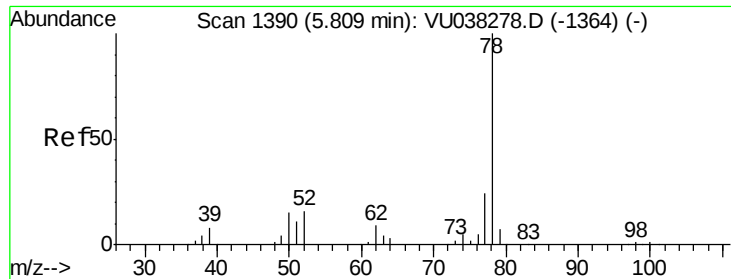
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 26.343 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

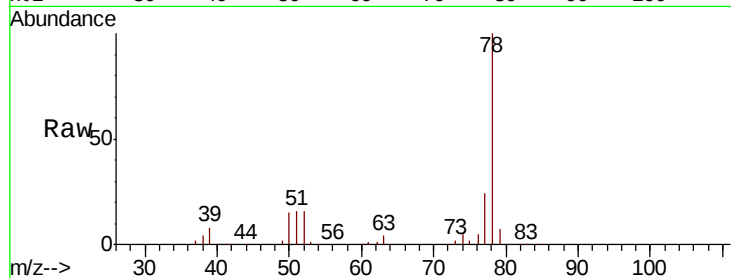
Instrument :

MSVOA_U

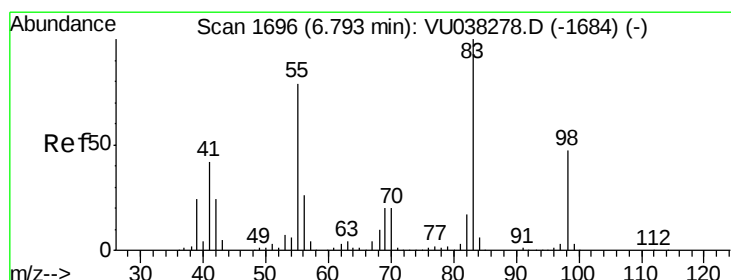
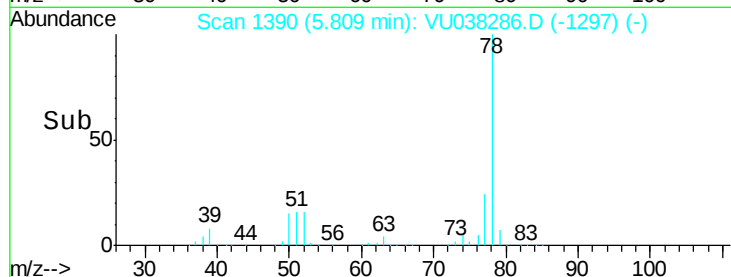
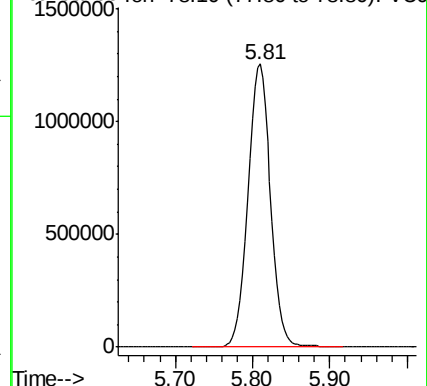
ClientSampleId :

BE4T8DL

Tgt Ion: 78 Resp: 2544214



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.092 ug/L

RT: 6.79 min Scan# 1695

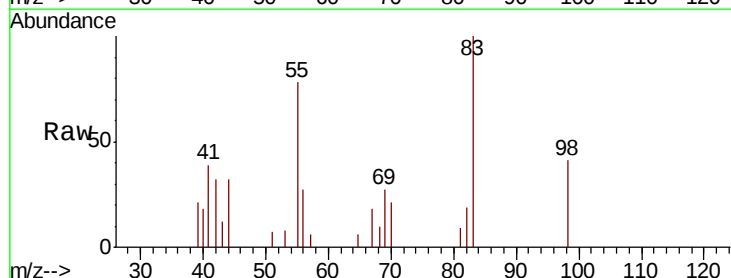
Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Tgt Ion: 83 Resp: 3605

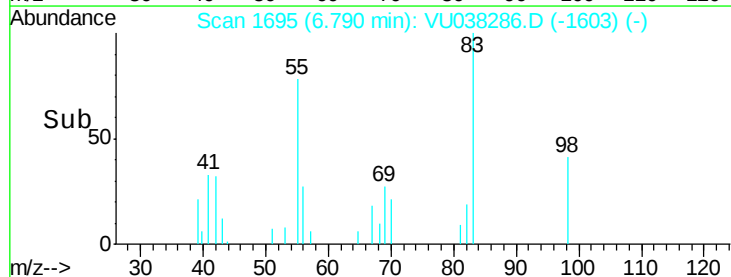
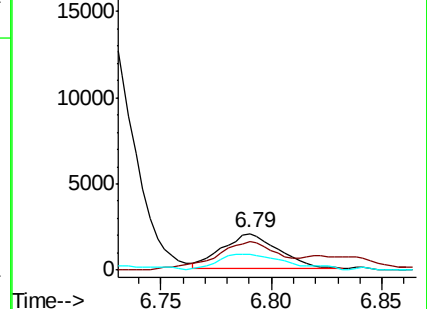
Ion	Ratio	Lower	Upper
83	100		
55	88.9	66.7	100.1
98	54.8	39.4	59.2

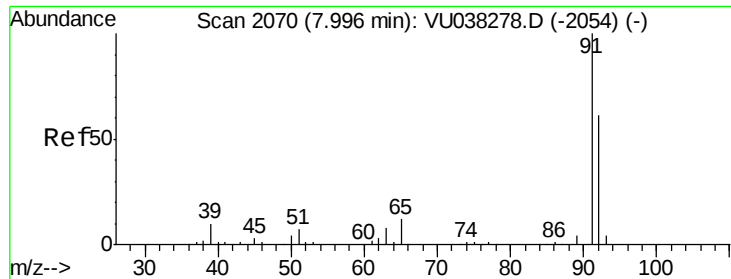


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.124 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

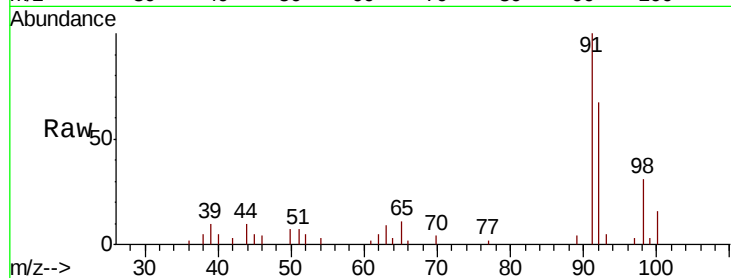
BE4T8DL

Tot Ion: 91 Resp: 12670

Ion Ratio Lower Upper

91 100

92 67.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038278.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038278.D (-2054) (-)

7.99

6000

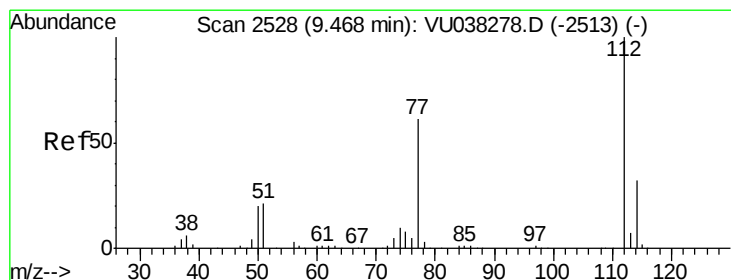
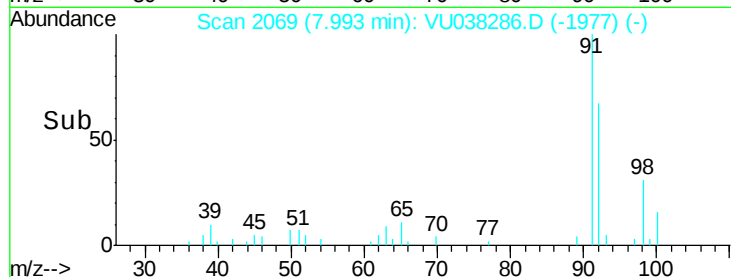
4000

2000

0

Time-->

7.90 7.95 8.00 8.05



#51

Chlorobenzene

Concen: 2.144 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

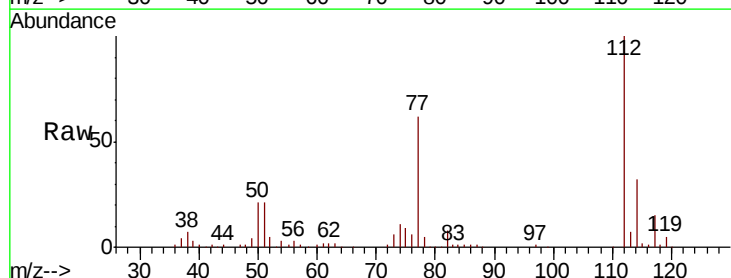
Tgt Ion: 112 Resp: 135666

Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 62.3 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038278.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038278.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038278.D (-2513) (-)

9.47

100000

80000

60000

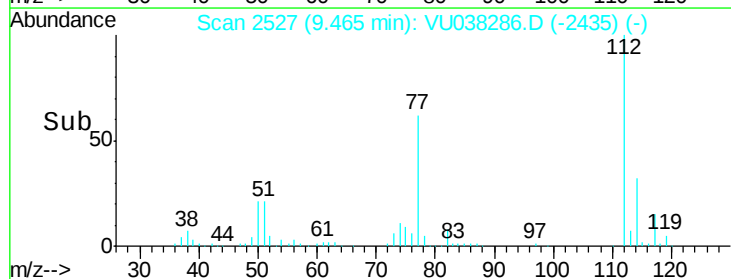
40000

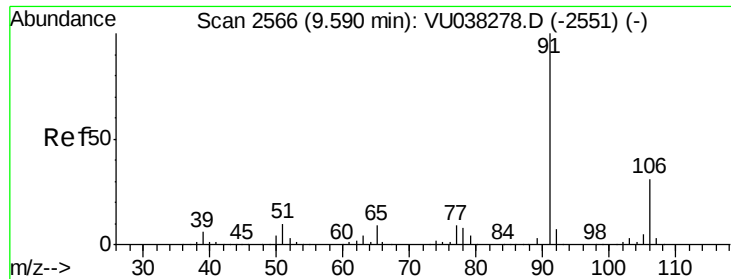
20000

0

Time-->

9.40 9.50 9.60





#52

Ethylbenzene

Concen: 3.341 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

Instrument :

MSVOA_U

ClientSampleId :

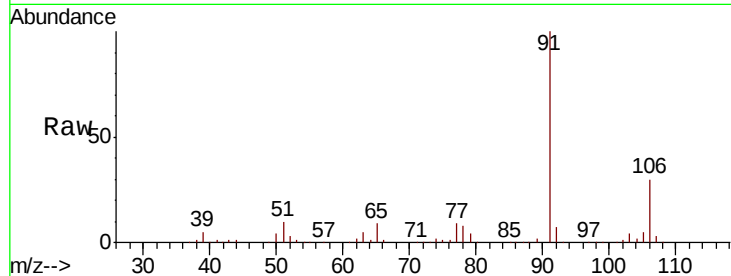
BE4T8DL

Tot Ion: 91 Resp: 369026

Ion Ratio Lower Upper

91 100

106 30.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038278.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038278.D (-2551) (-)

9.59

250000

200000

150000

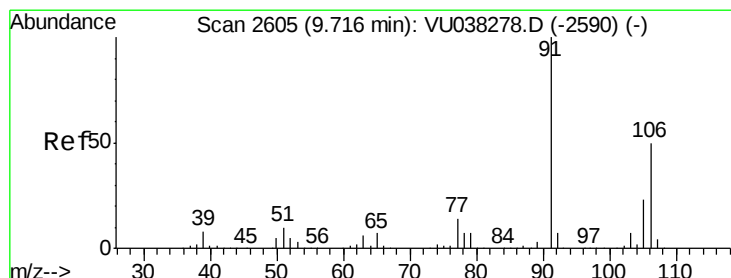
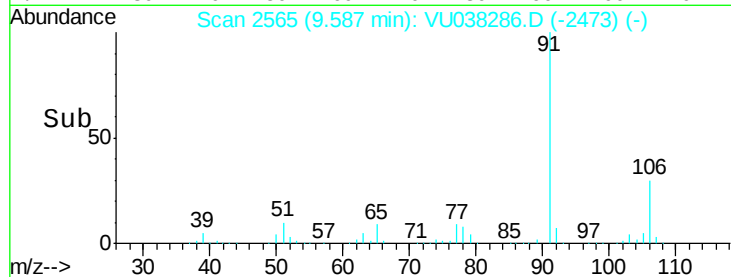
100000

50000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 4.294 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038286.D

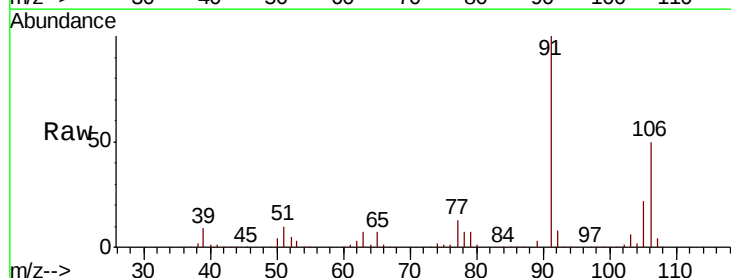
Acq: 22 May 2020 18:39

Tgt Ion: 106 Resp: 181853

Ion Ratio Lower Upper

106 100

91 201.2 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038278.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038278.D (-2590) (-)

9.71

250000

200000

150000

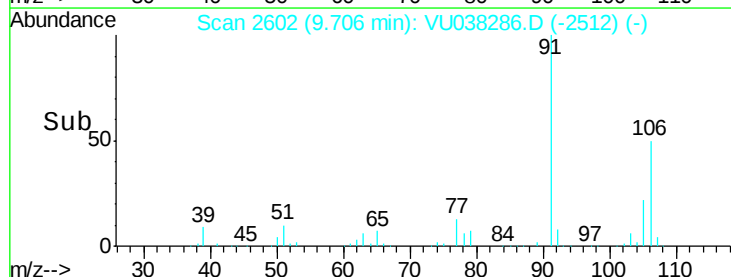
100000

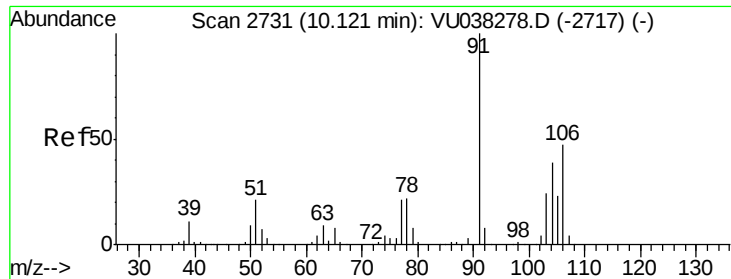
50000

0

9.70 9.71 9.72 9.73 9.74

Time-->

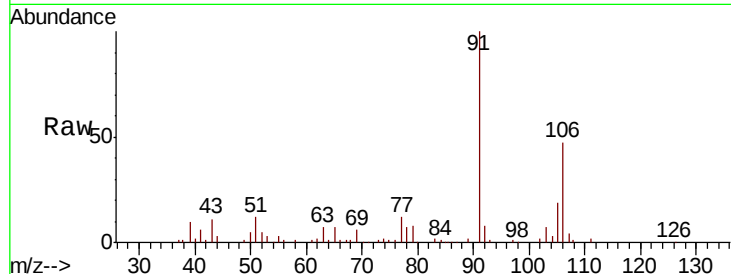




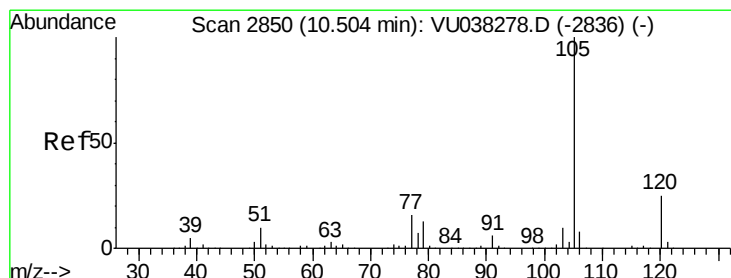
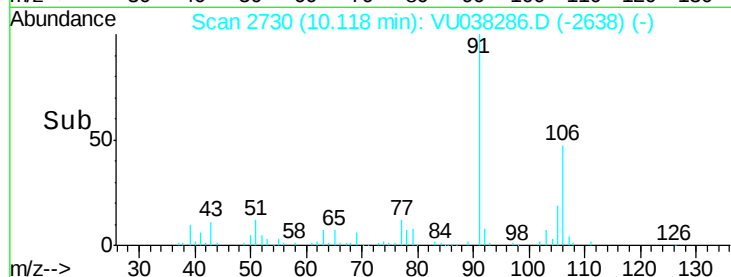
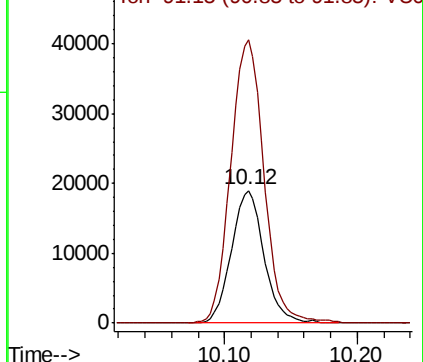
#54
o-Xylene
Concen: 0.793 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038286.D
Acq: 22 May 2020 18:39

Instrument :
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ClientSampleId :
BE4T8DL

Tot Ion:106 Resp: 32466
Ion Ratio Lower Upper
106 100
91 213.0 148.5 275.9

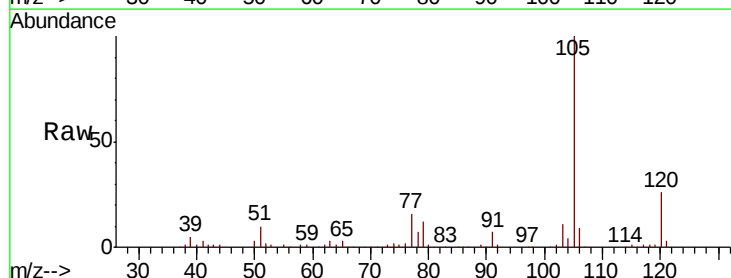


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

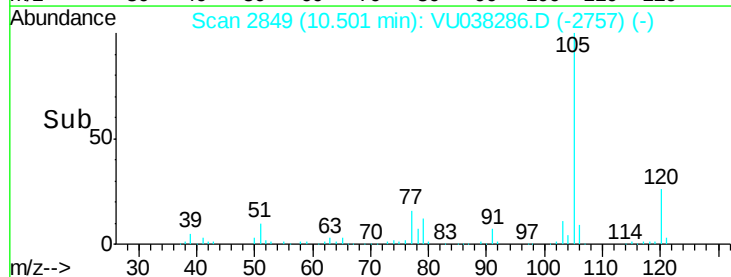
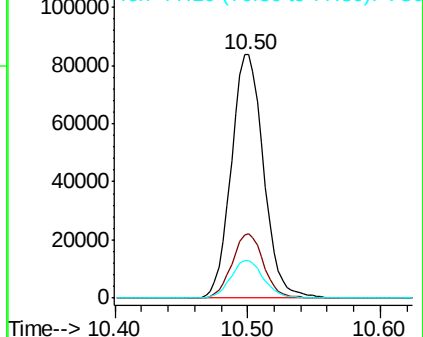


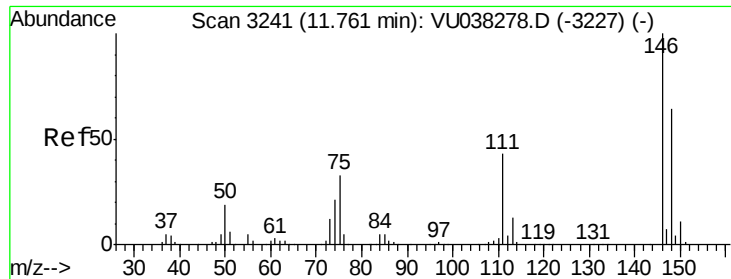
#56
Isopropylbenzene
Concen: 1.347 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038286.D
Acq: 22 May 2020 18:39

Tgt Ion:105 Resp: 141662
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.8 13.0 19.4



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): VU0

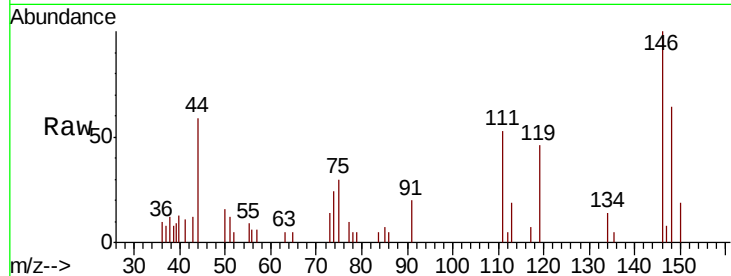




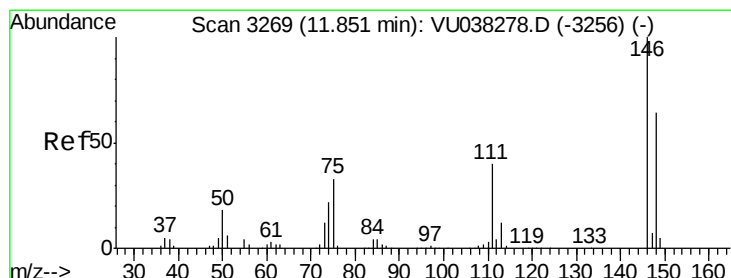
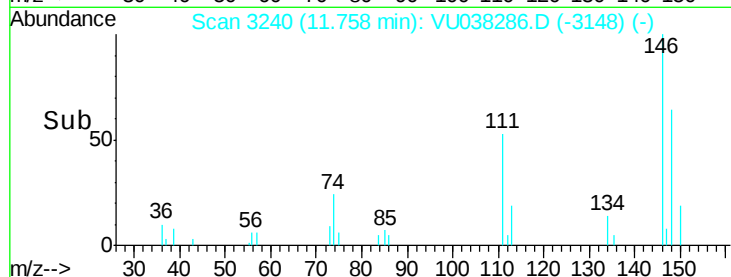
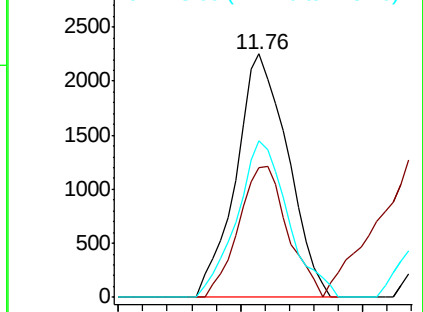
#62
 1,3-Dichlorobenzene
 Concen: 0.066 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Instrument :
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Tot Ion:146 Resp: 3321
 Ion Ratio Lower Upper
 146 100
 111 53.1 28.6 53.2
 148 64.4 45.2 84.0

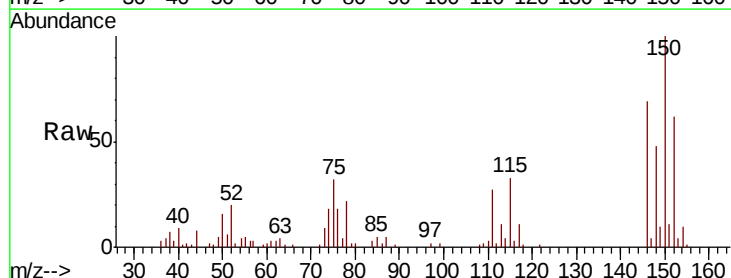


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

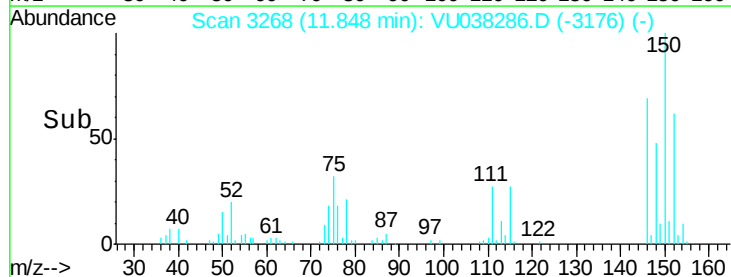
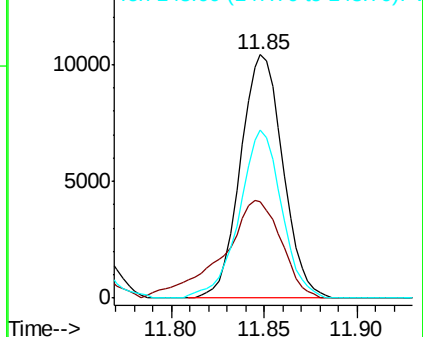


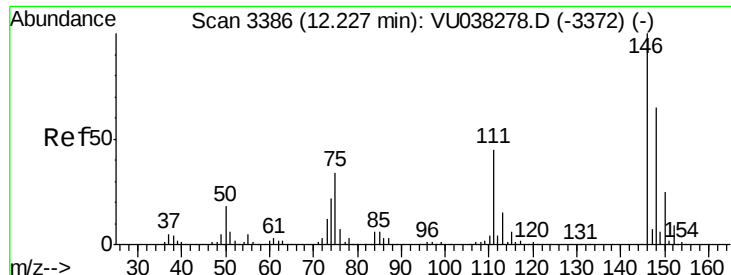
#63
 1,4-Dichlorobenzene
 Concen: 0.327 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038286.D
 Acq: 22 May 2020 18:39

Tgt Ion:146 Resp: 16549
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.2 50.6
 148 69.0 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.210 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038286.D

Acq: 22 May 2020 18:39

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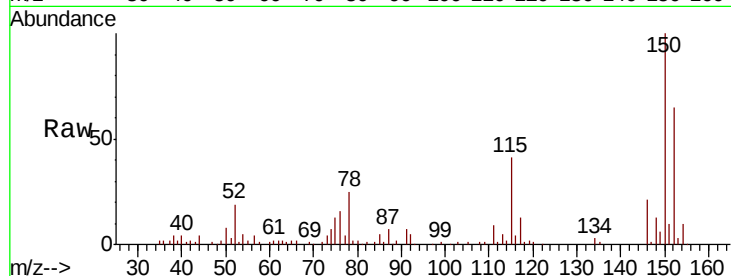
Tot Ion:146 Resp: 10115

Ion Ratio Lower Upper

146 100

111 46.0 35.3 52.9

148 63.0 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

