

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038274.D
 Acq On : 21 May 2020 19:21
 Operator : JC/MD
 Sample : L2724-12DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T8DL

Quant Time: May 22 03:09:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	518086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	497874	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	247173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120608	2.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	51.00%
7) Chloroethane-d5	1.93	69	137593	3.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.20%
11) 1,1-Dichloroethene-d2	2.59	63	181179	2.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.80%#
20) 2-Butanone-d5	4.66	46	528936	45.24	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.48%
24) Chloroform-d	5.10	84	284219	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.74	65	167496	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.76	84	579156	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.72	67	191421	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.60%
41) Toluene-d8	7.92	98	509914	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	8.20	79	67455	3.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.00%
46) 2-Hexanone-d5	8.66	63	456896	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162331	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	203934	4.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.80%

Target Compounds

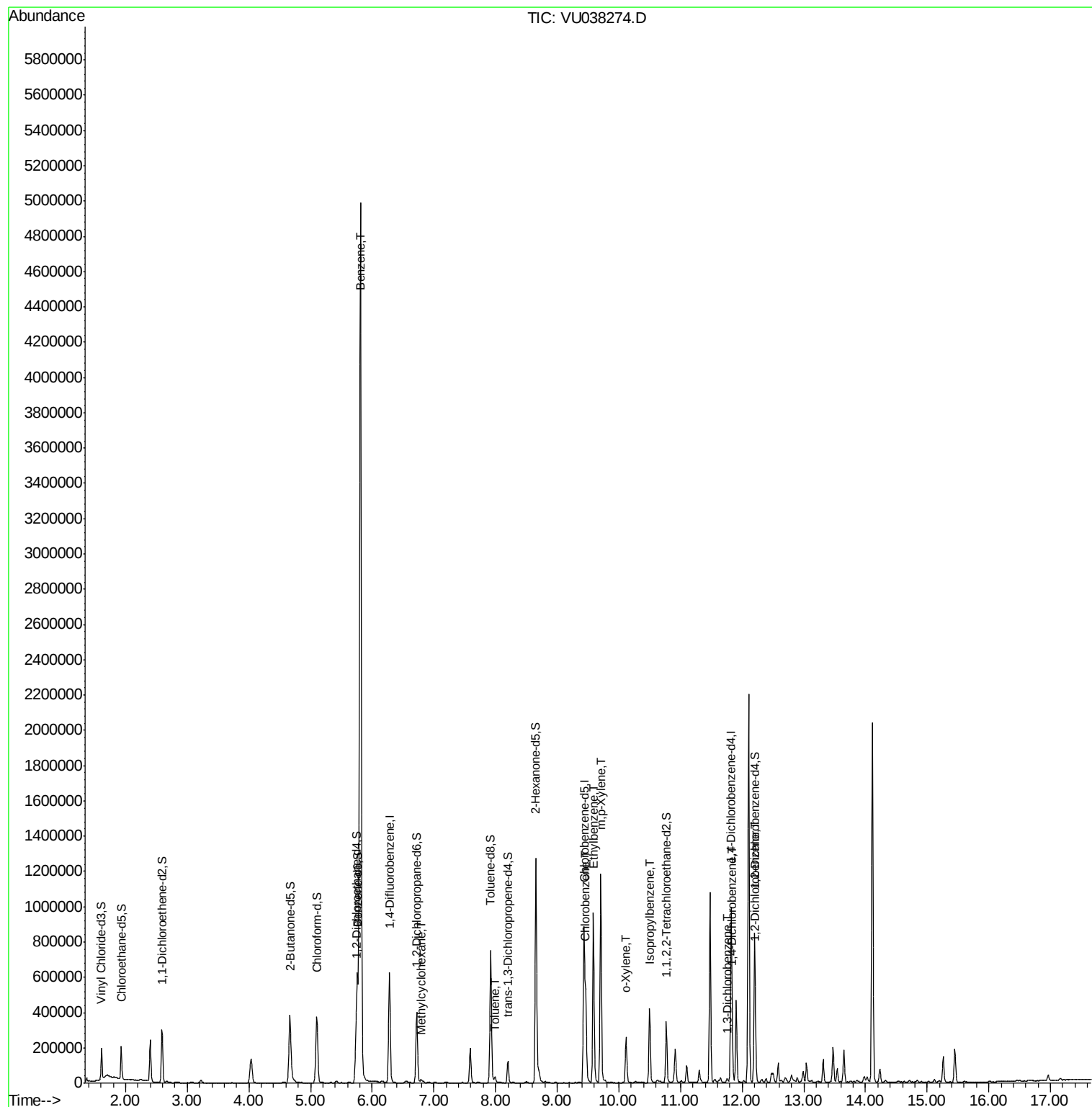
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.81	78	4728205	29.656	ug/L	100
35) Methylcyclohexane	6.79	83	7930	0.123	ug/L	99
42) Toluene	8.00	91	23288	0.138	ug/L	97
51) Chlorobenzene	9.47	112	268532	2.571	ug/L	96
52) Ethylbenzene	9.59	91	699122	3.835	ug/L	100
53) m,p-Xylene	9.71	106	340216	4.867	ug/L	100
54) o-Xylene	10.11	106	59941	0.887	ug/L	91
56) Isopropylbenzene	10.50	105	278663	1.605	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	6723	0.084	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	29291	0.359	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	19042	0.246	ug/L	96

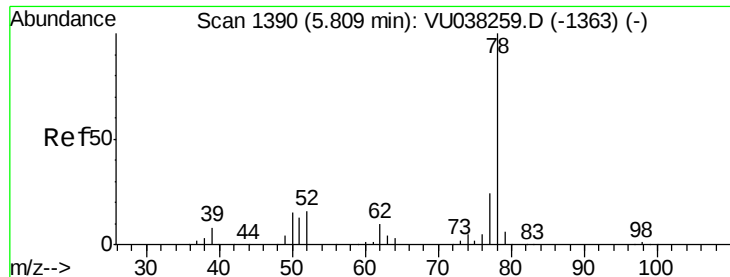
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 29.656 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

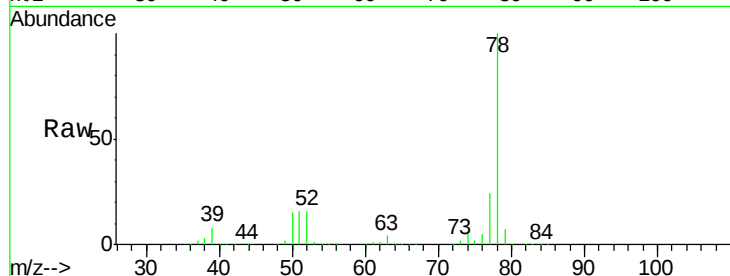
Instrument :

MSVOA_U

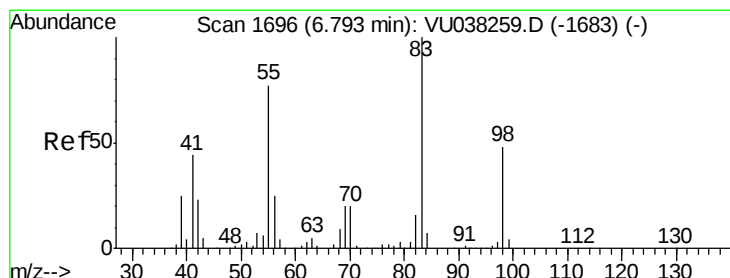
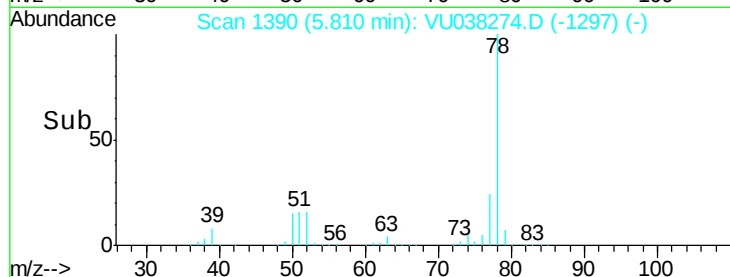
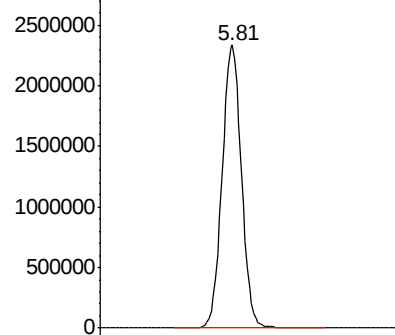
ClientSampleId :

BE4T8DL

Tgt Ion: 78 Resp: 4728205



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.123 ug/L

RT: 6.79 min Scan# 1696

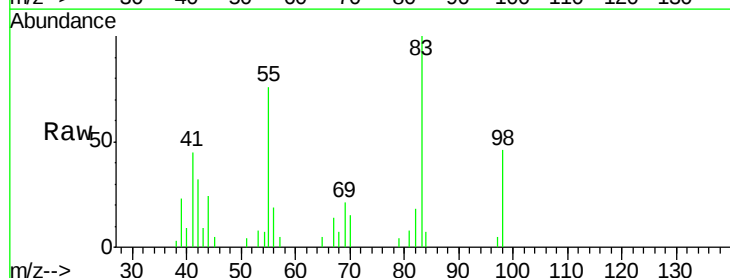
Delta R.T. 0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Tgt Ion: 83 Resp: 7930

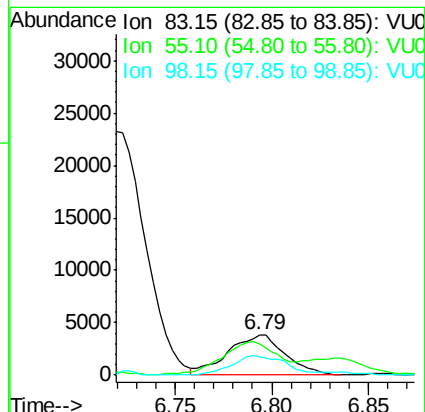
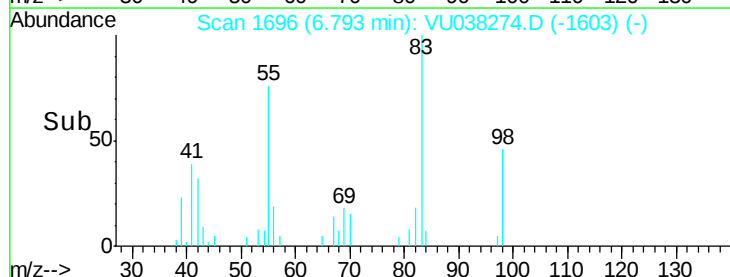
Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.7	100.1
98	50.3	39.4	59.2

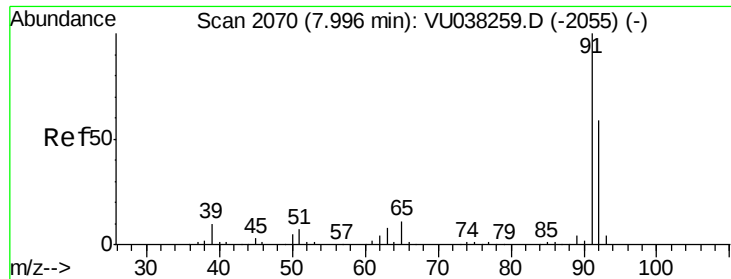


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.138 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

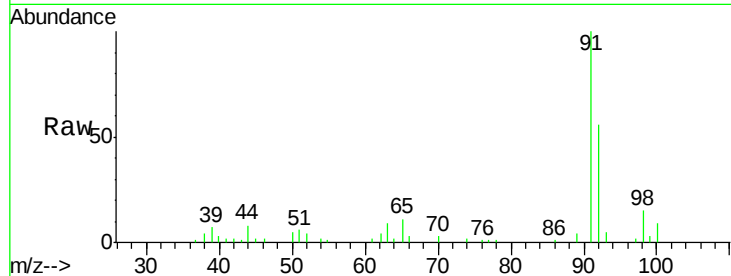
BE4T8DL

Tot Ion: 91 Resp: 23288

Ion Ratio Lower Upper

91 100

92 55.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)

8.00

15000

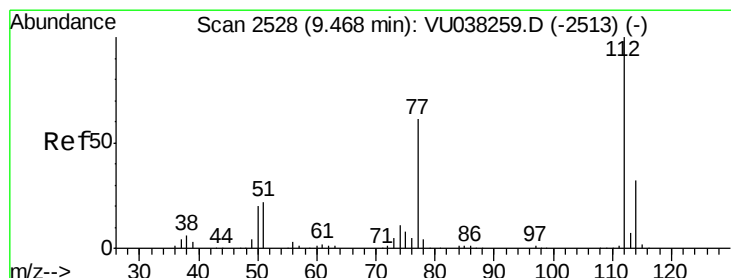
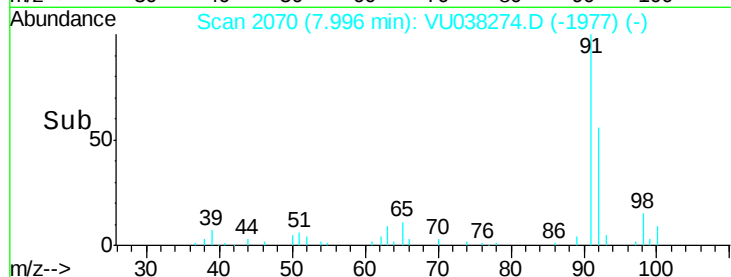
10000

5000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#51

Chlorobenzene

Concen: 2.571 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

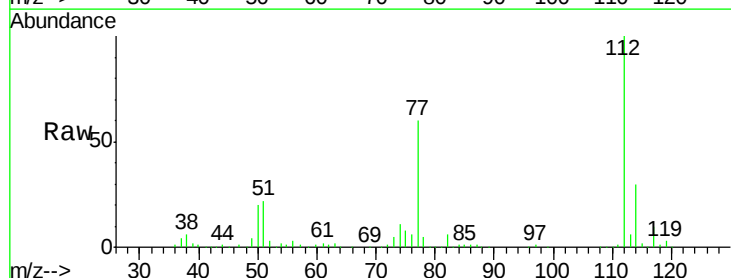
Tgt Ion: 112 Resp: 268532

Ion Ratio Lower Upper

112 100

114 30.2 22.5 41.7

77 59.7 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038259.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038259.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038259.D (-2513) (-)

9.47

200000

150000

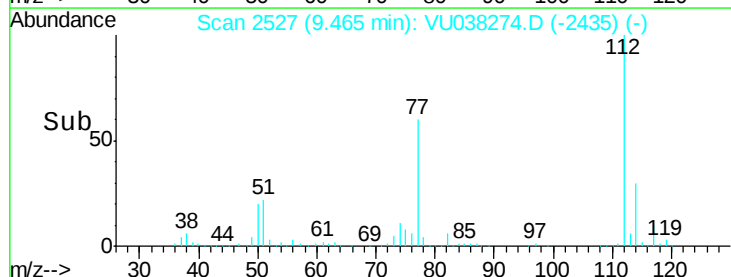
100000

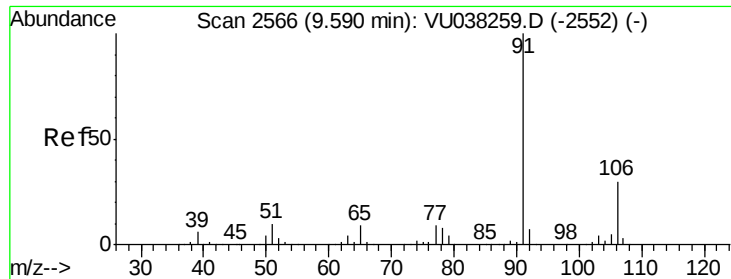
50000

0

Time-->

9.40 9.45 9.50 9.55





#52

Ethylbenzene

Concen: 3.835 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

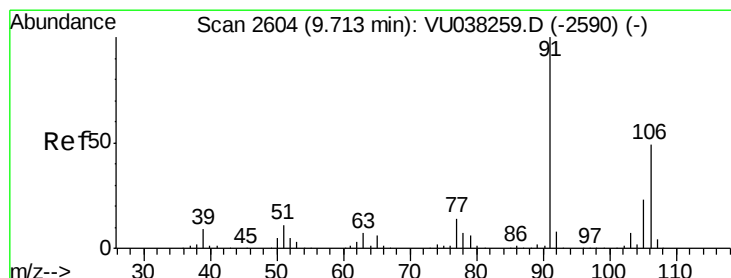
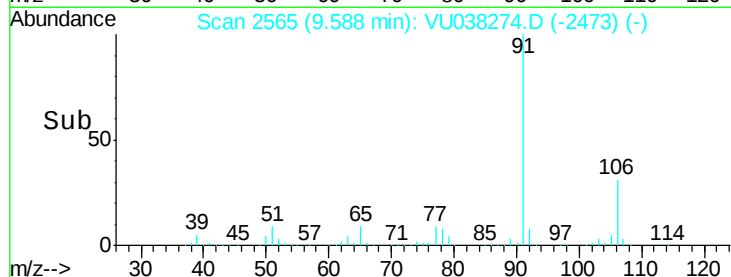
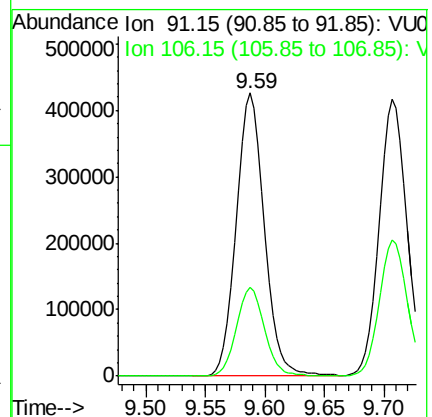
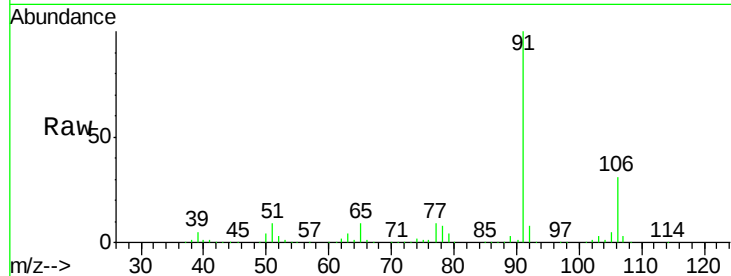
BE4T8DL

Tot Ion: 91 Resp: 699122

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 4.867 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038274.D

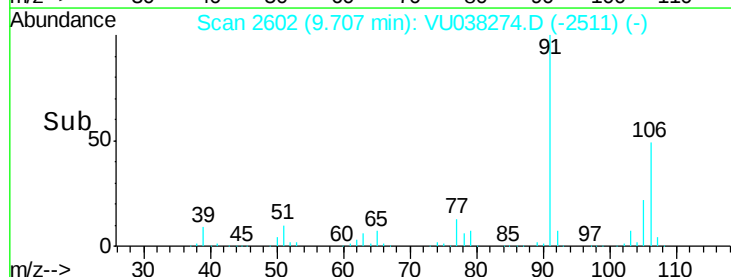
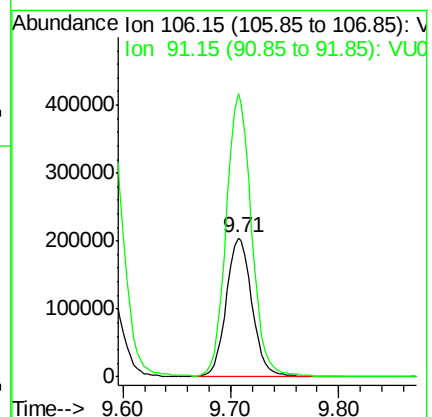
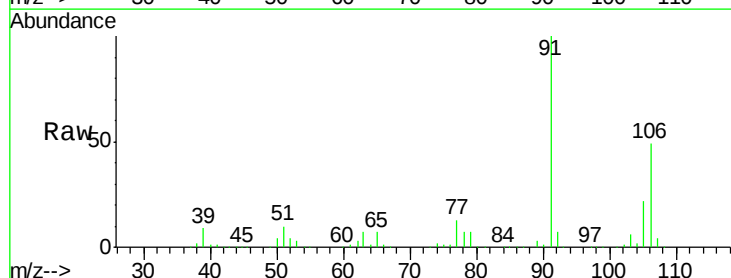
Acq: 21 May 2020 19:21

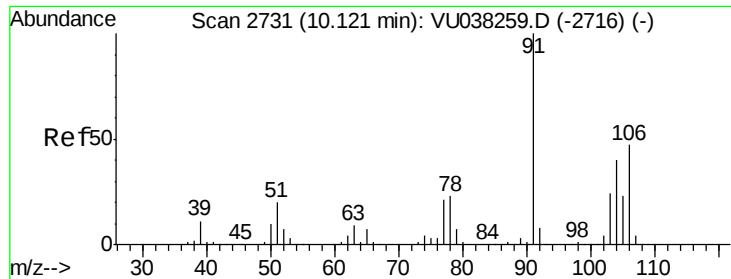
Tgt Ion: 106 Resp: 340216

Ion Ratio Lower Upper

106 100

91 203.6 142.1 263.9





#54

o-Xylene

Concen: 0.887 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

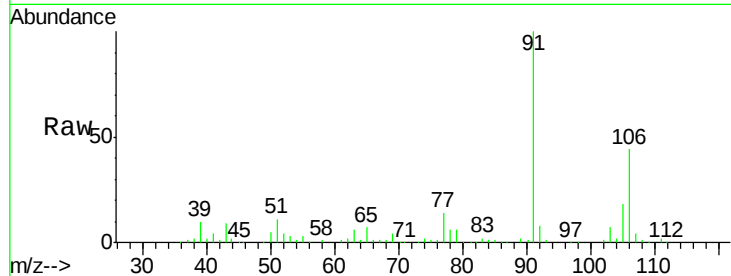
BE4T8DL

Tot Ion:106 Resp: 59941

Ion Ratio Lower Upper

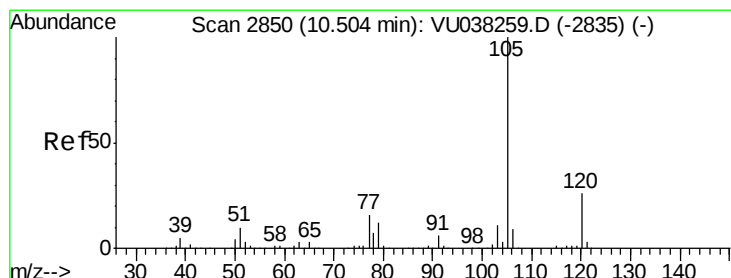
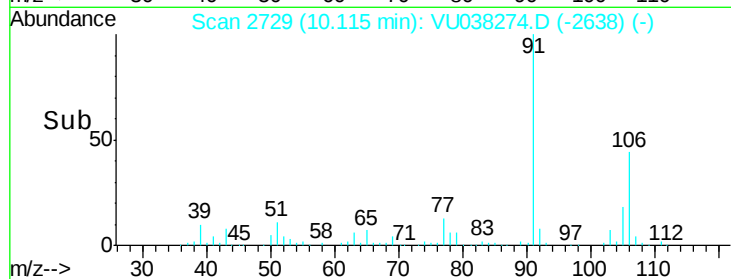
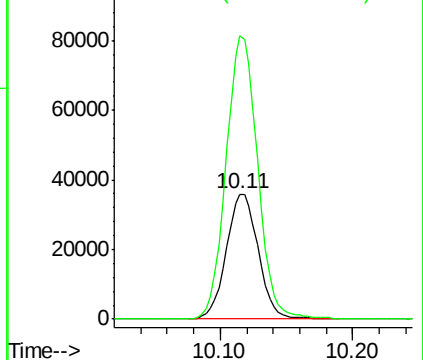
106 100

91 226.0 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 1.605 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

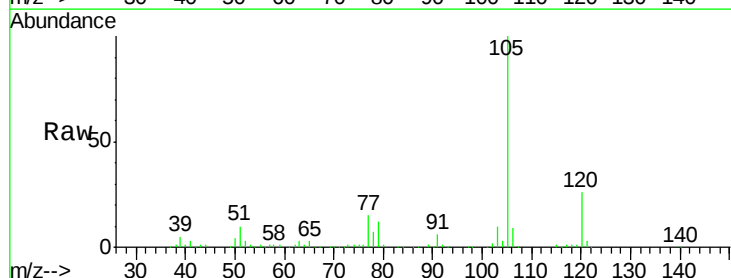
Tgt Ion:105 Resp: 278663

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

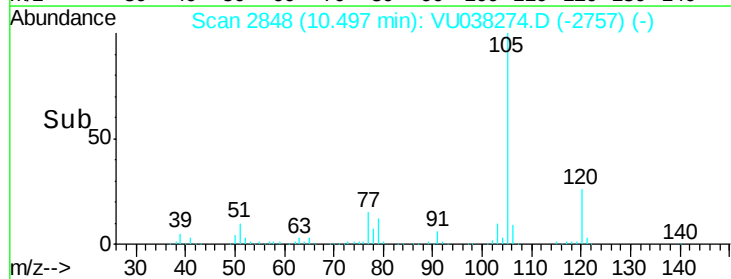
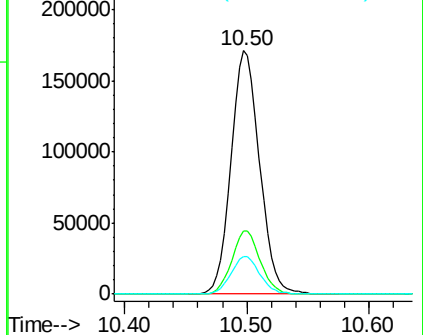
77 15.7 13.0 19.4

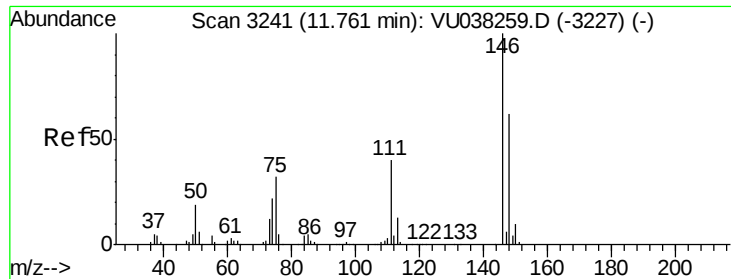


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#62

1,3-Dichlorobenzene

Concen: 0.084 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

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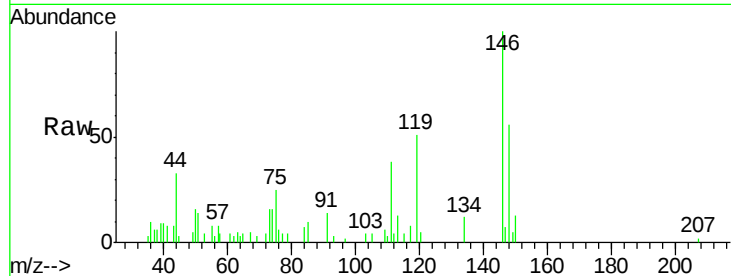
Tot Ion:146 Resp: 6723

Ion Ratio Lower Upper

146 100

111 38.4 28.6 53.2

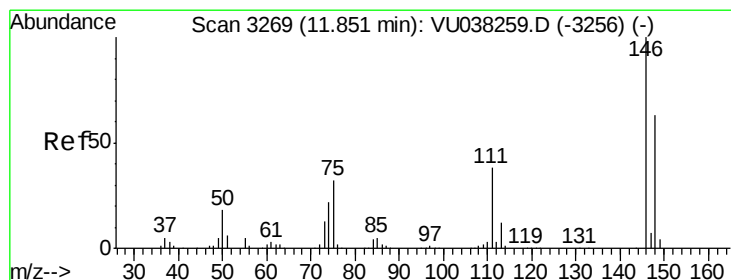
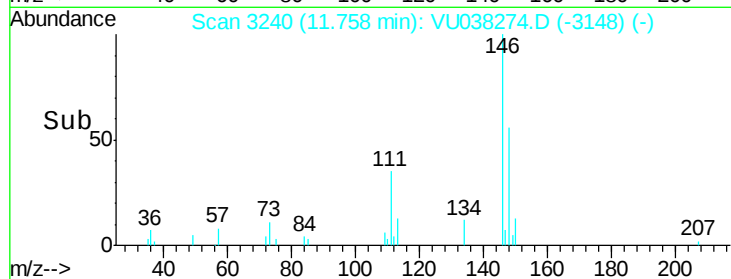
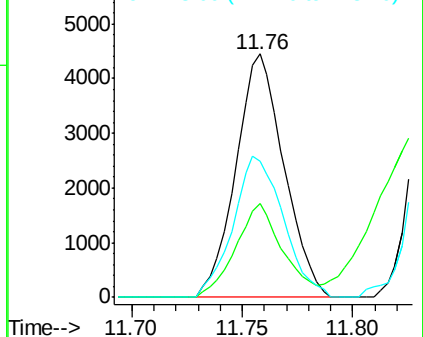
148 56.1 45.2 84.0



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: 0.359 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

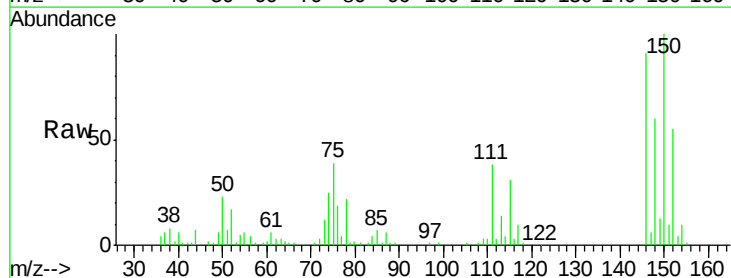
Tgt Ion:146 Resp: 29291

Ion Ratio Lower Upper

146 100

111 41.9 27.2 50.6

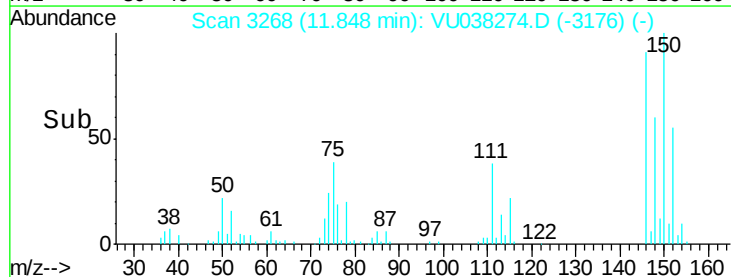
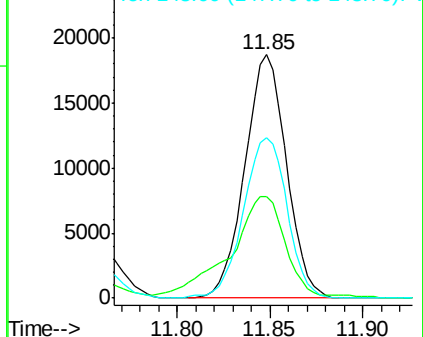
148 65.7 43.8 81.3

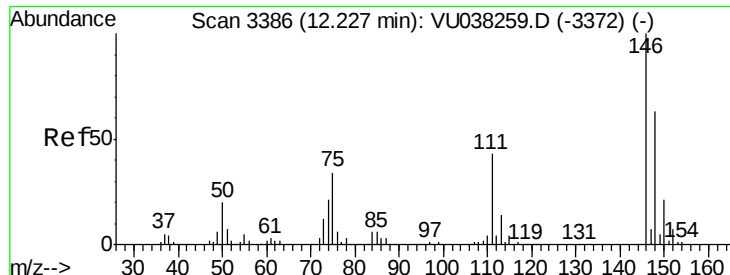


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.246 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

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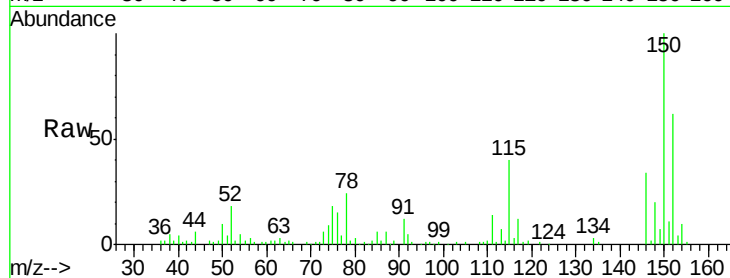
Tot Ion:146 Resp: 19042

Ion Ratio Lower Upper

146 100

111 42.4 35.3 52.9

148 59.9 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

