

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052020\
 Data File : VU038246.D
 Acq On : 20 May 2020 14:36
 Operator : JC/MD
 Sample : L2724-05 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T2

Quant Time: May 21 02:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:14:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	357724	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	345144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	171337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	139473	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.93	69	124215	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.59	63	173926	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.66	46	413473	51.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.44%
24) Chloroform-d	5.10	84	222992	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	136758	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	480073	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	156905	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	417714	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.20	79	60885	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.65	63	309930	49.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122855	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	161110	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

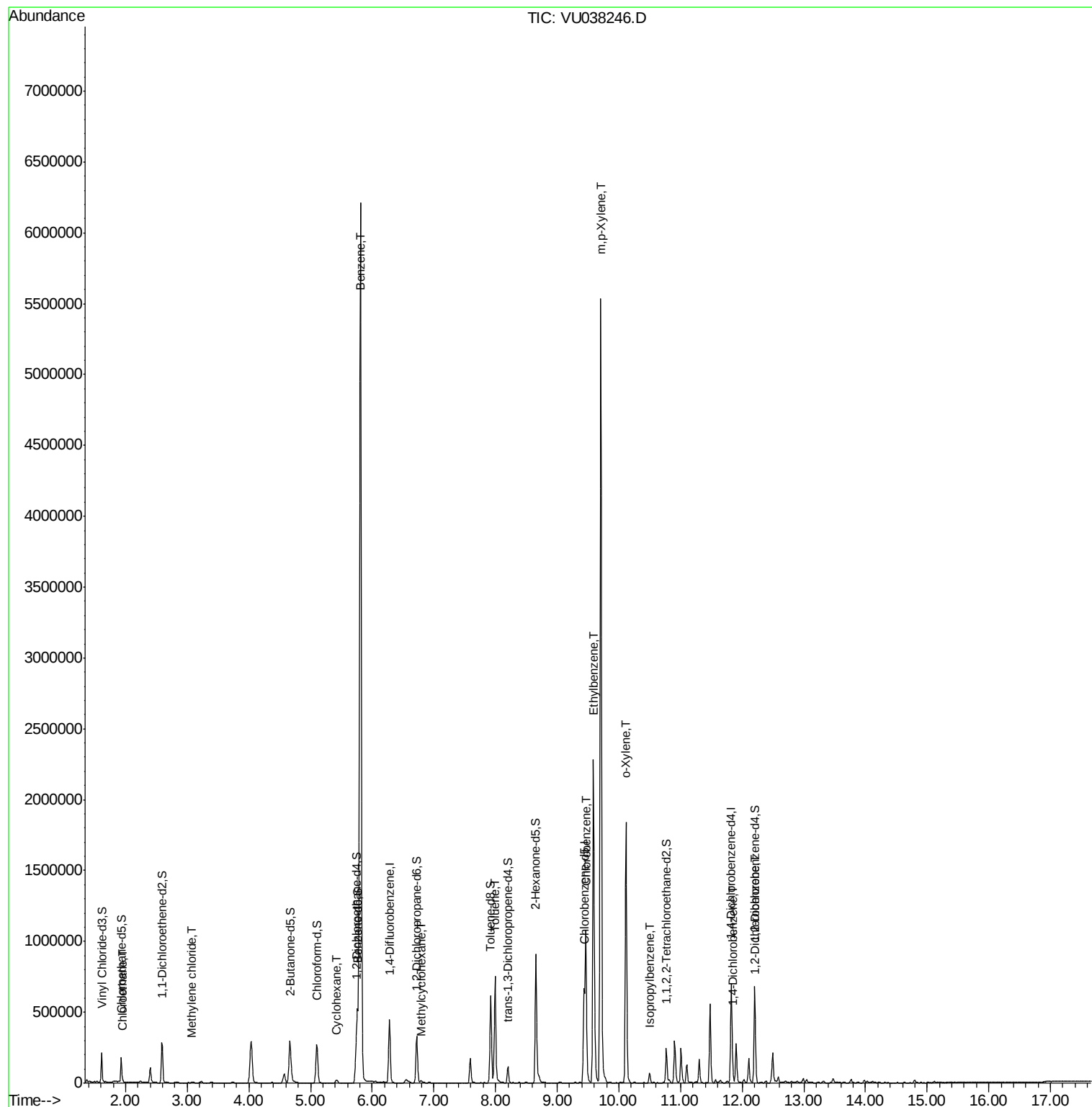
					Ovalue
8) Chloroethane	1.95	64	4297	0.181 ug/L	98
16) Methylene chloride	3.08	84	2224	0.077 ug/L	85
30) Cyclohexane	5.43	56	10858	0.233 ug/L	98
33) Benzene	5.81	78	5782716	52.320 ug/L	100
35) Methylcyclohexane	6.79	83	5701	0.127 ug/L #	87
42) Toluene	7.99	91	555253	4.759 ug/L	100
51) Chlorobenzene	9.47	112	555324	7.669 ug/L	100
52) Ethylbenzene	9.59	91	1654594	13.092 ug/L	99
53) m,p-Xylene	9.71	106	1590705	32.824 ug/L	98
54) o-Xylene	10.12	106	505497	10.788 ug/L	99
56) Isopropylbenzene	10.50	105	47543	0.395 ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	28168	0.499 ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	9818	0.183 ug/L	93

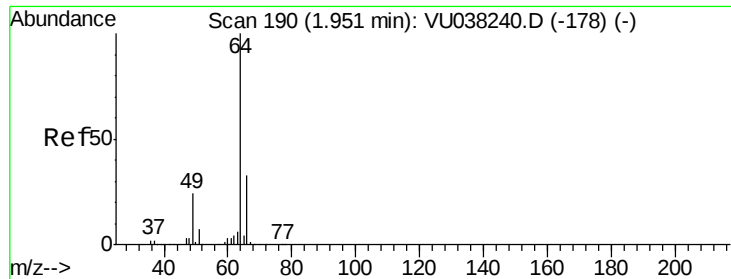
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.181 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

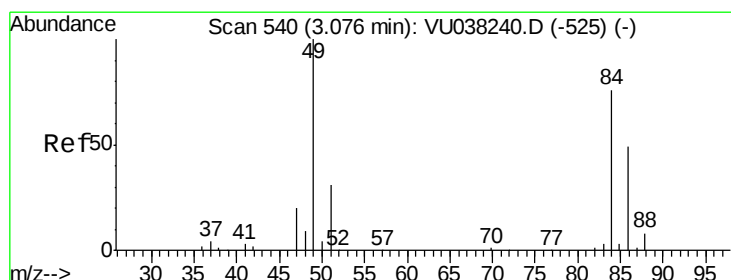
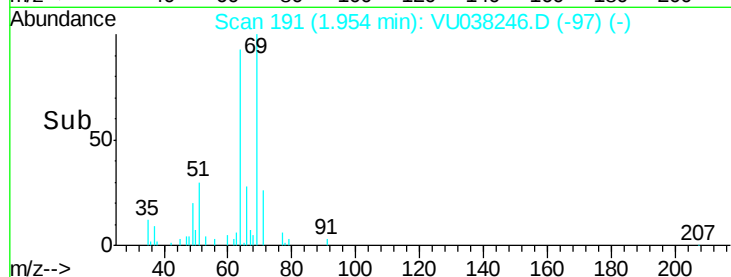
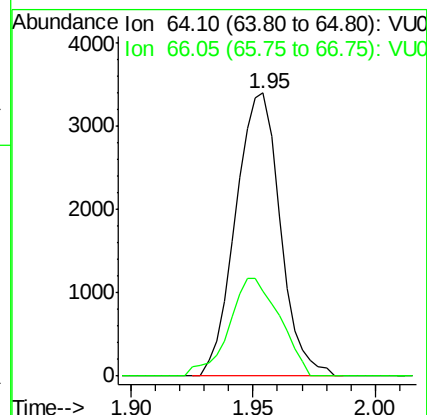
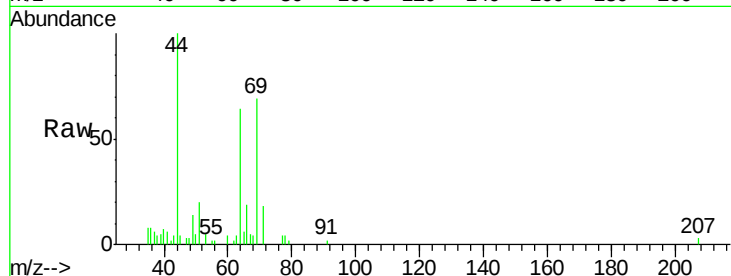
BE4T2

Tot Ion: 64 Resp: 4297

Ion Ratio Lower Upper

64 100

66 30.2 21.8 40.4



#16

Methylene chloride

Concen: 0.077 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

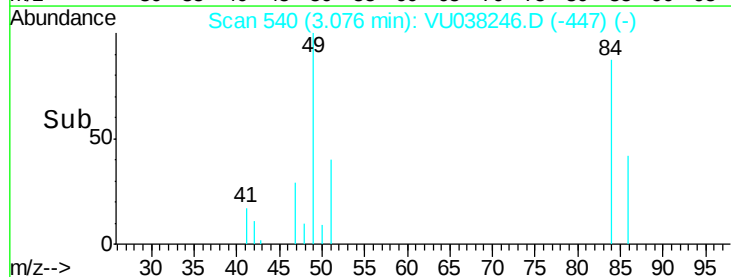
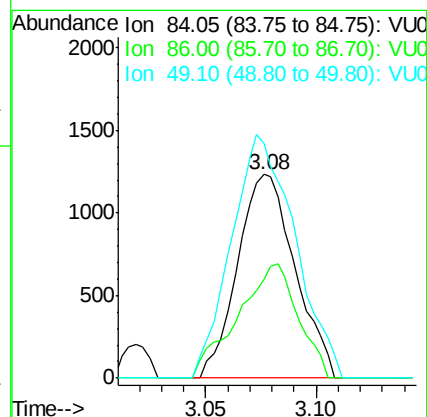
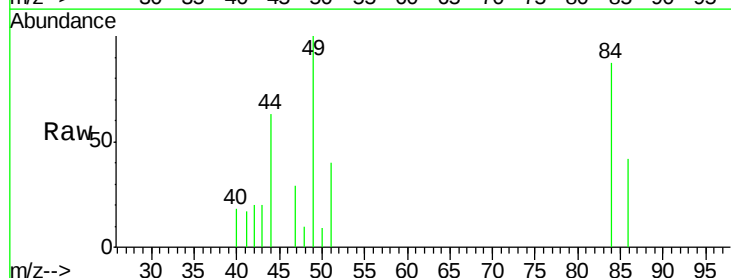
Tgt Ion: 84 Resp: 2224

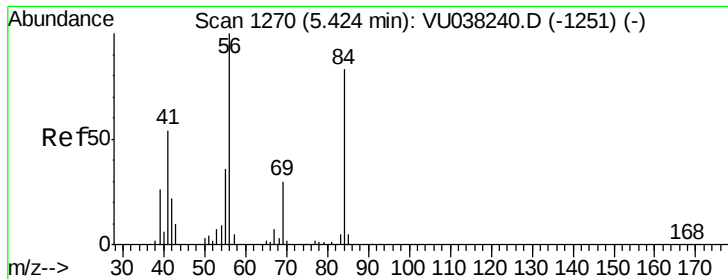
Ion Ratio Lower Upper

84 100

86 48.9 44.9 83.3

49 115.6 92.0 170.9

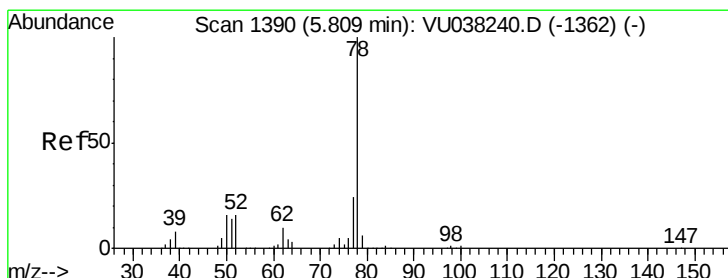
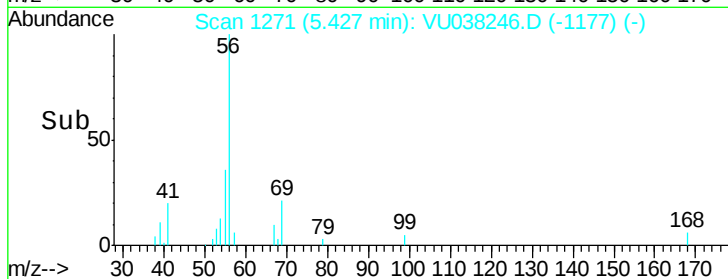
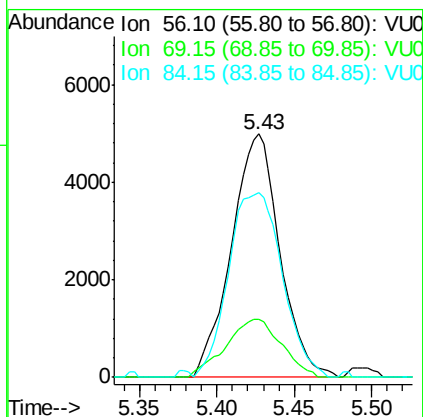
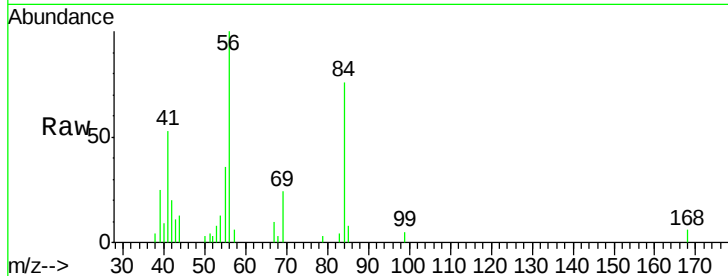




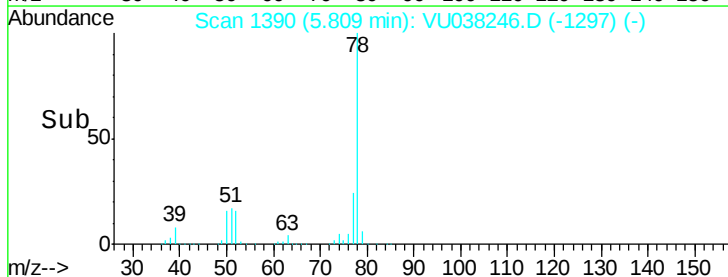
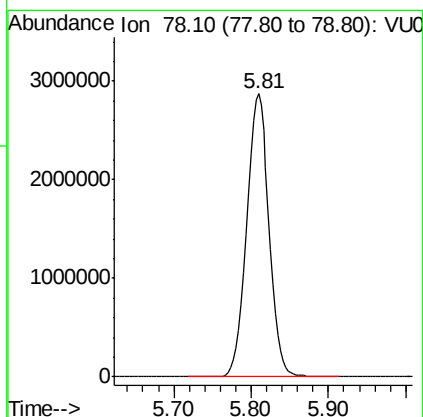
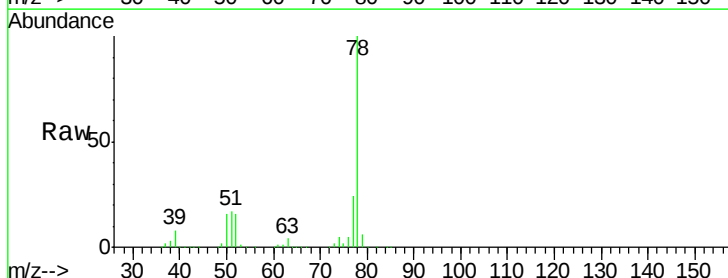
#30
Cyclohexane
Concen: 0.233 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038246.D
Acq: 20 May 2020 14:36

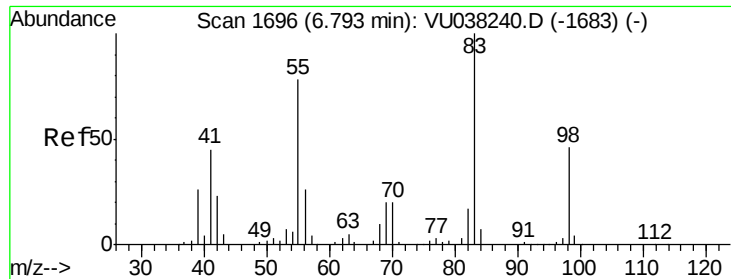
Instrument :
MSVOA_U
ClientSampleId :
BE4T2

Tot Ion: 56 Resp: 10858
Ion Ratio Lower Upper
56 100
69 27.5 24.2 36.4
84 84.2 68.5 102.7



#33
Benzene
Concen: 52.320 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038246.D
Acq: 20 May 2020 14:36
Tgt Ion: 78 Resp: 5782716

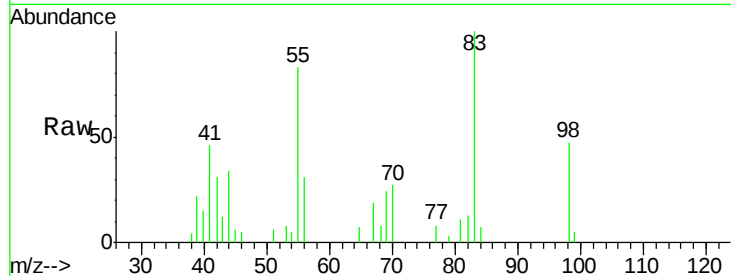




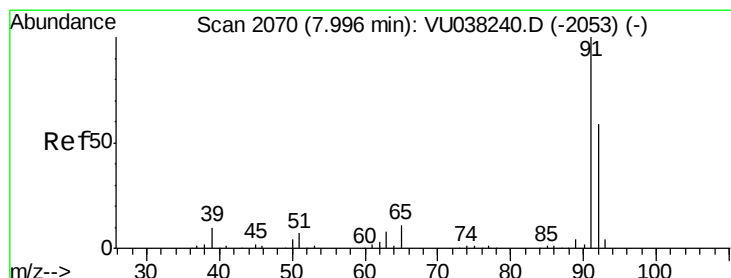
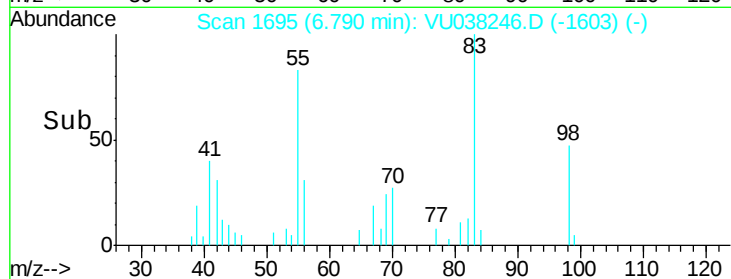
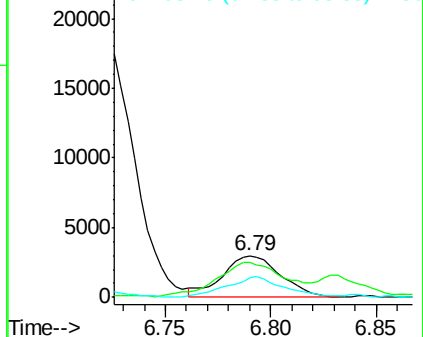
#35
Methvlcvclohexane
Concen: 0.127 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038246.D
Acq: 20 May 2020 14:36

Instrument :
MSVOA_U
ClientSampleId :
BE4T2

Tot Ion: 83 Resp: 5701
Ion Ratio Lower Upper
83 100
55 100.8 66.7 100.1#
98 48.5 39.4 59.2

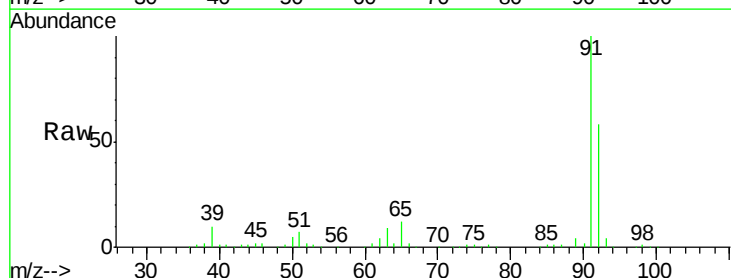


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

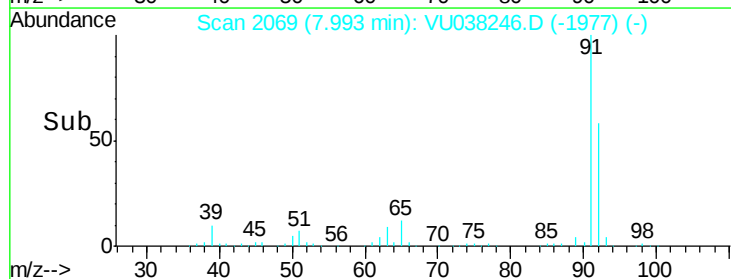
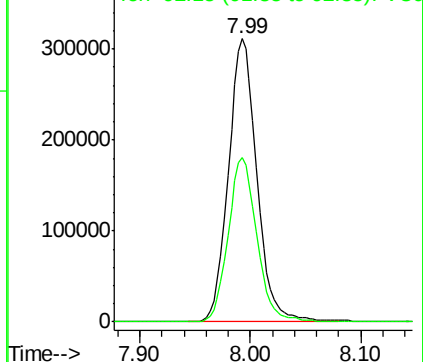


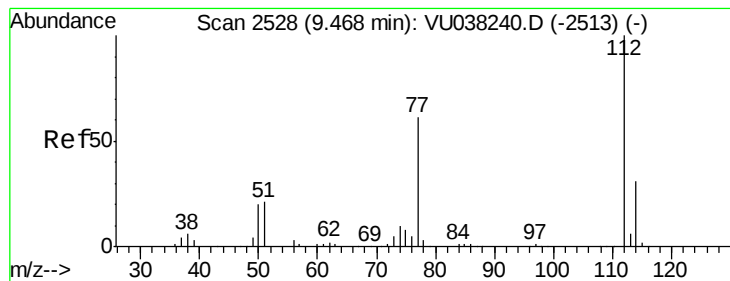
#42
Toluene
Concen: 4.759 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038246.D
Acq: 20 May 2020 14:36

Tgt Ion: 91 Resp: 555253
Ion Ratio Lower Upper
91 100
92 58.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#51

Chlorobenzene

Concen: 7.669 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

Instrument :

MSVOA_U

ClientSampled :

BE4T2

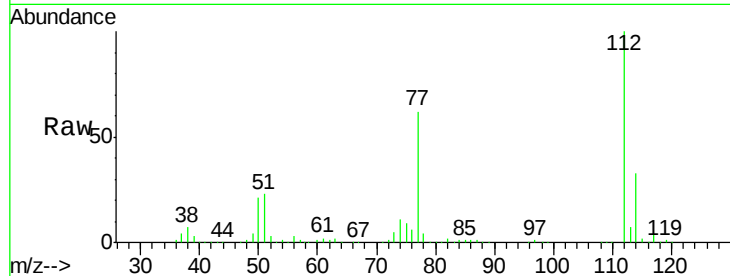
Tot Ion:112 Resp: 555324

Ion Ratio Lower Upper

112 100

114 32.8 22.5 41.7

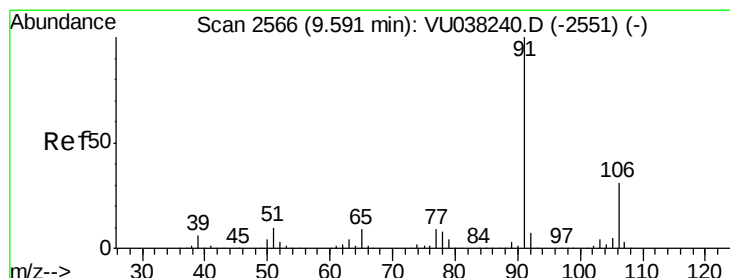
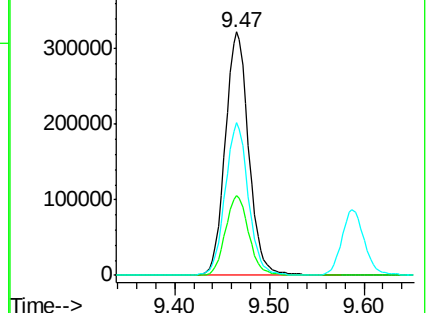
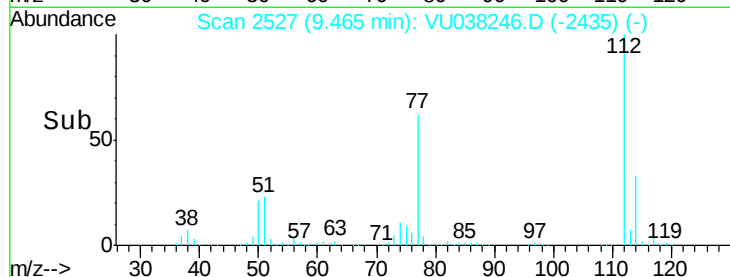
77 62.5 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 13.092 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038246.D

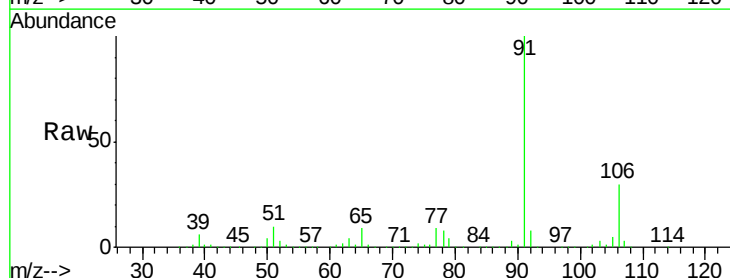
Acq: 20 May 2020 14:36

Tgt Ion: 91 Resp: 1654594

Ion Ratio Lower Upper

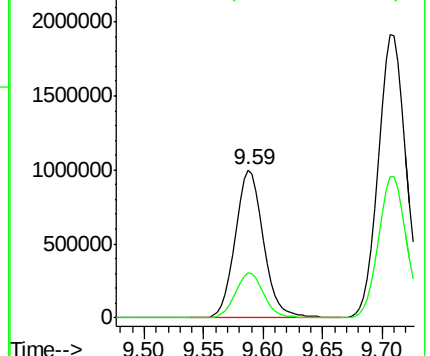
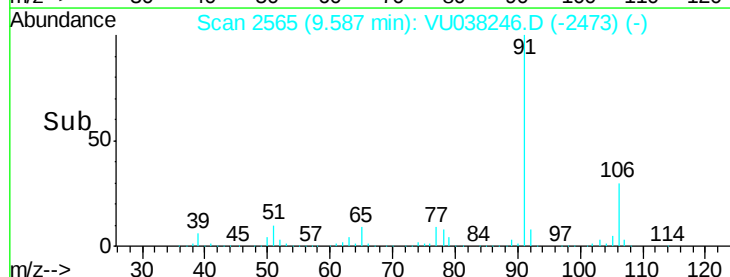
91 100

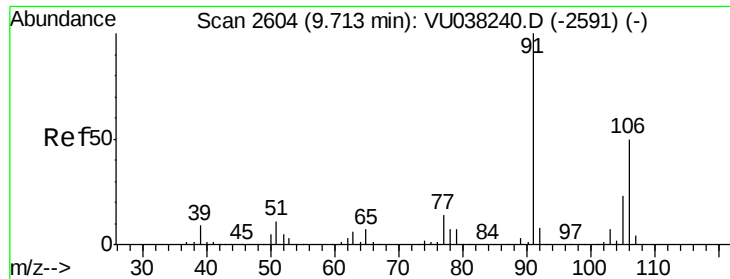
106 30.3 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 32.824 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

Instrument :

MSVOA_U

ClientSampled :

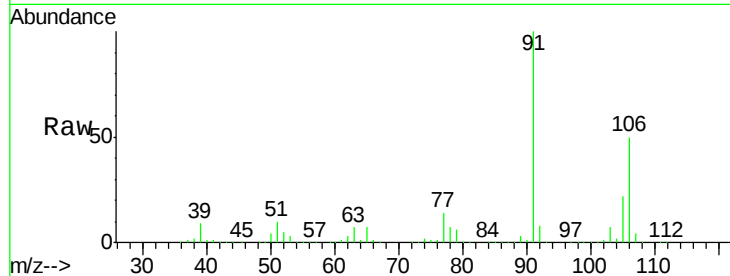
BE4T2

Tot Ion:106 Resp: 1590705

Ion Ratio Lower Upper

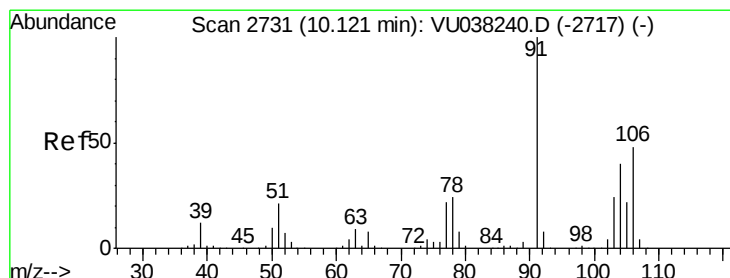
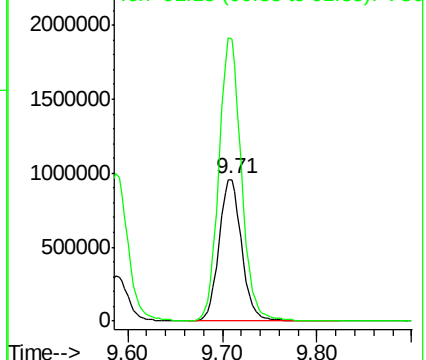
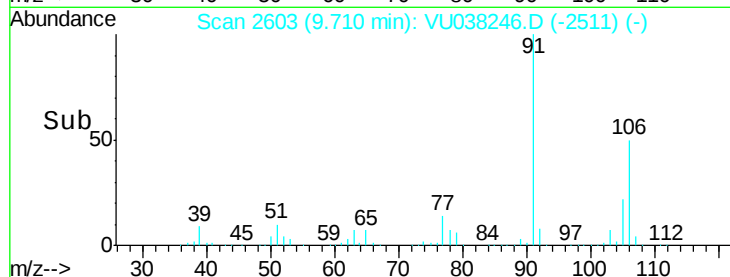
106 100

91 199.4 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 10.788 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038246.D

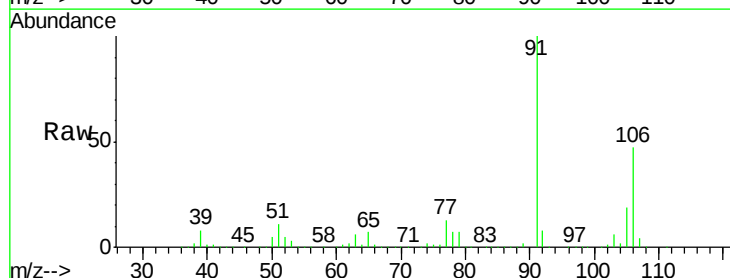
Acq: 20 May 2020 14:36

Tgt Ion:106 Resp: 505497

Ion Ratio Lower Upper

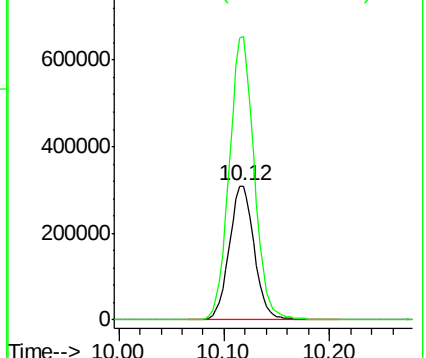
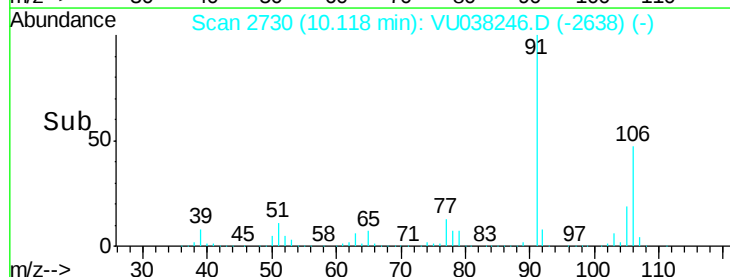
106 100

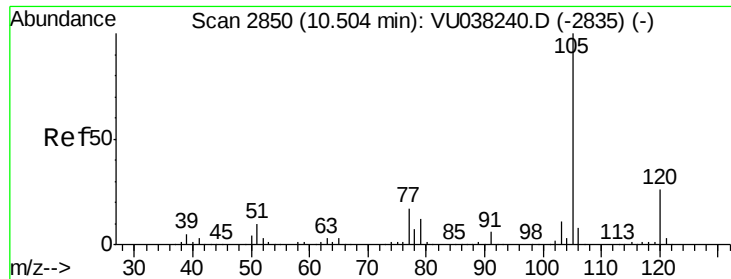
91 211.0 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.395 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

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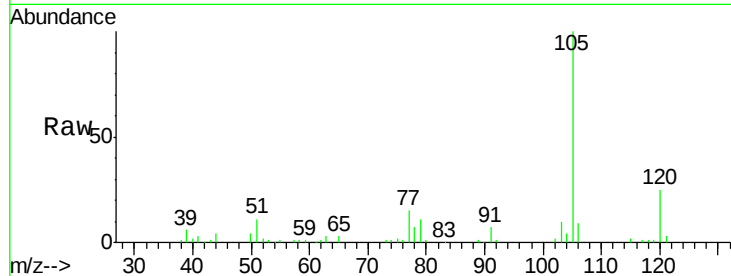
Tot Ion:105 Resp: 47543

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.6

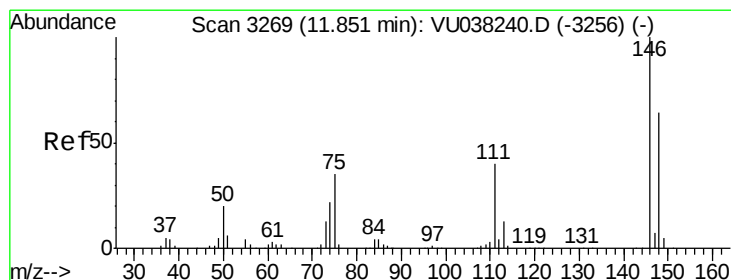
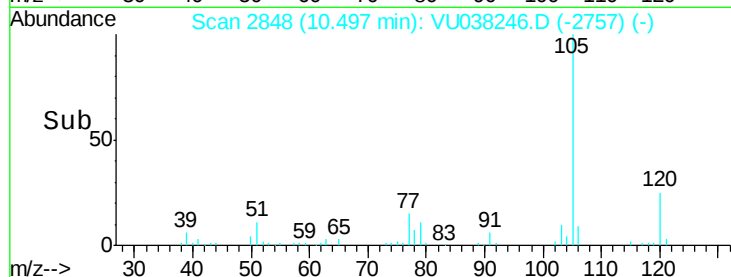
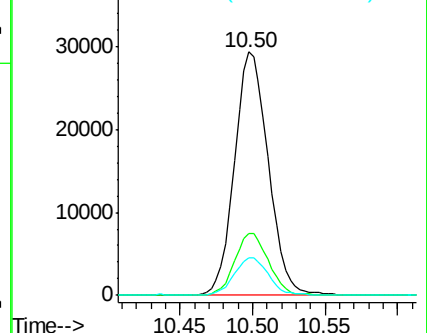
77 15.6 13.0 19.4



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): V



#63

1,4-Dichlorobenzene

Concen: 0.499 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

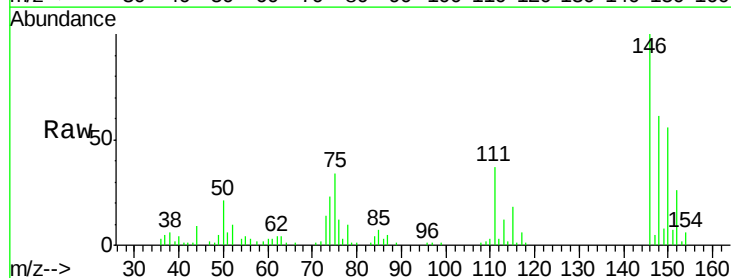
Tgt Ion:146 Resp: 28168

Ion Ratio Lower Upper

146 100

111 37.1 27.2 50.6

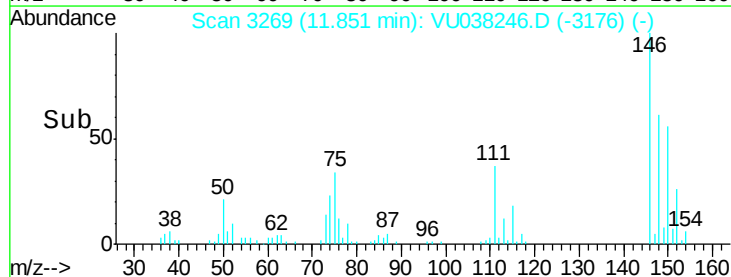
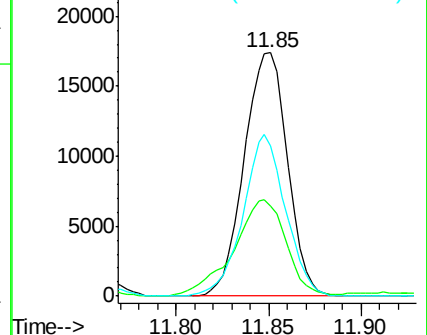
148 61.5 43.8 81.3

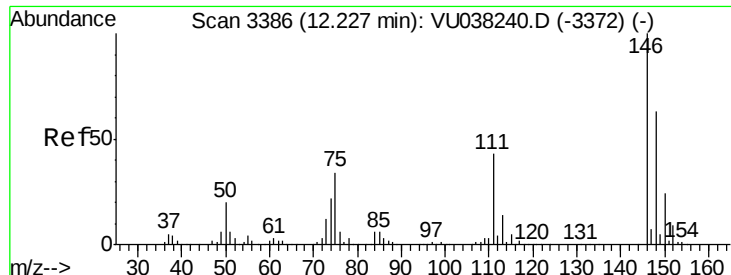


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.183 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038246.D

Acq: 20 May 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

BE4T2

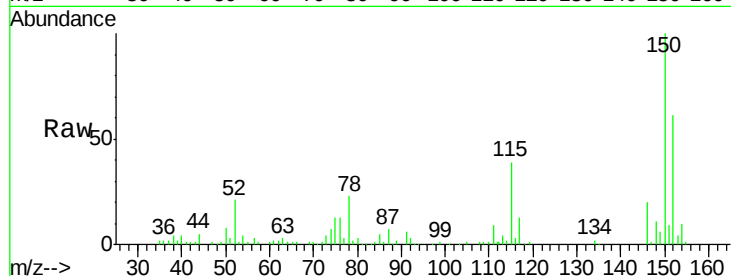
Tot Ion:146 Resp: 9818

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

148 55.2 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

