

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040170.D
 Acq On : 17 Sep 2020 00:38
 Operator : SY/MD
 Sample : L4046-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6

Quant Time: Sep 17 03:27:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110065	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25456	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.92	69	24155	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	46863	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.66	46	88953	35.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.42%
24) Chloroform-d	5.08	84	63645	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.72	65	39261	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.75	84	113763	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	37036	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	94375	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.19	79	15697	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	86856	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35014	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	40281	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

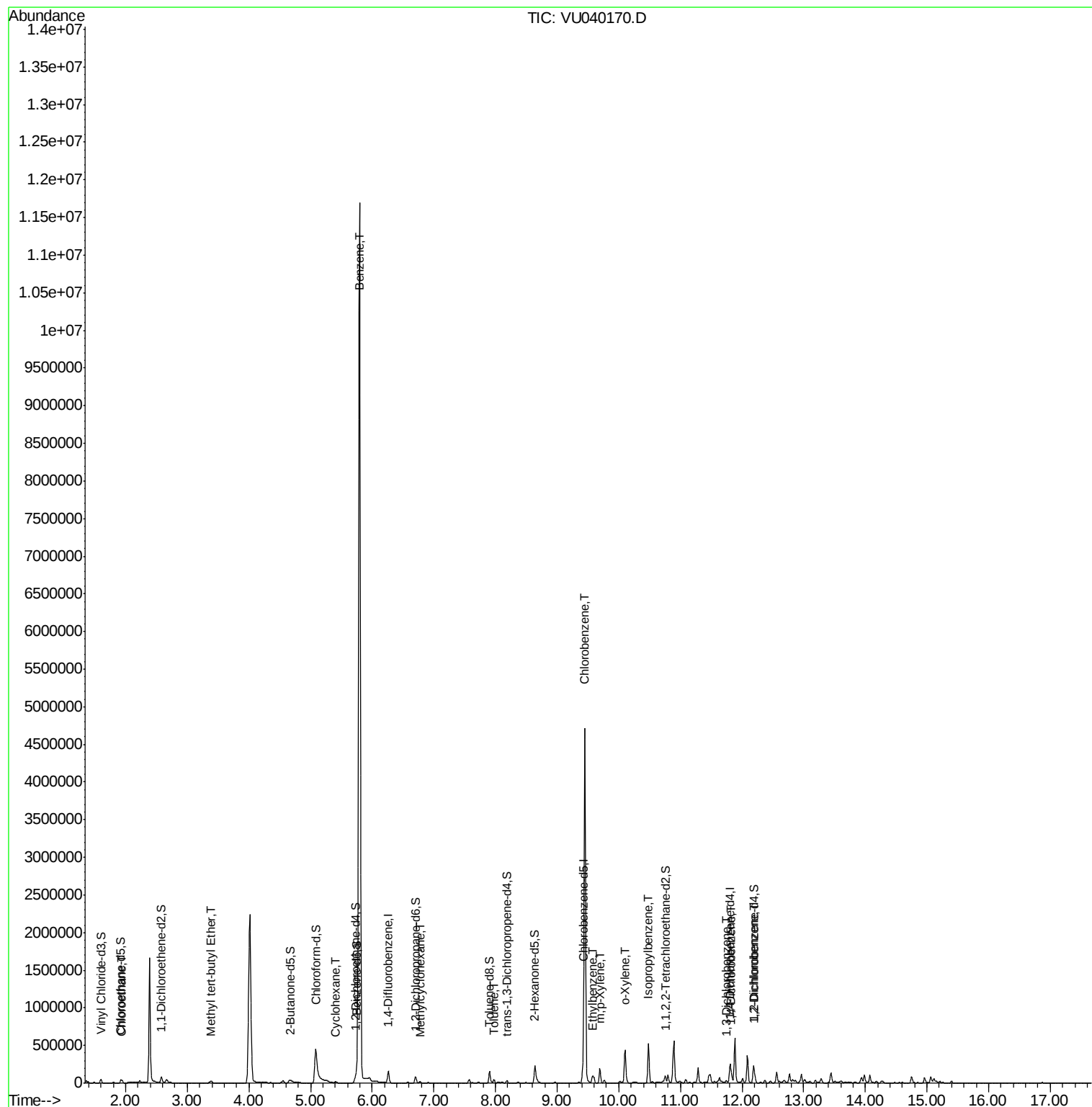
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	20602	3.076	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	23396	0.867	ug/L #	79
30) Cyclohexane	5.40	56	8114	0.484	ug/L	94
33) Benzene	5.79	78	10309205	261.821	ug/L	100
35) Methylcyclohexane	6.78	83	6447	0.399	ug/L #	82
42) Toluene	7.98	91	34564	0.852	ug/L	98
51) Chlorobenzene	9.45	112	2261271	89.819	ug/L	97
52) Ethylbenzene	9.57	91	32896	0.714	ug/L	97
53) m,p-Xylene	9.69	106	50729	3.093	ug/L	97
54) o-Xylene	10.10	106	93541	5.984	ug/L	98
56) Isopropylbenzene	10.48	105	308697	7.241	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	3460	0.173	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	35281	1.746	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	23973	1.241	ug/L	95

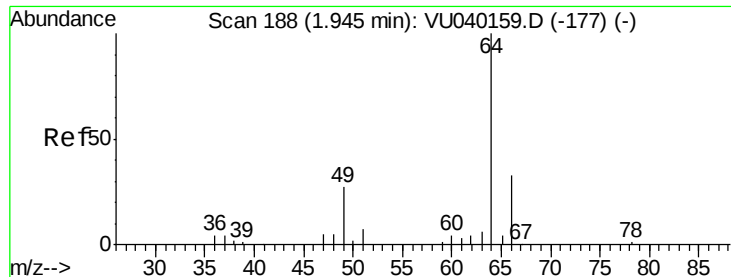
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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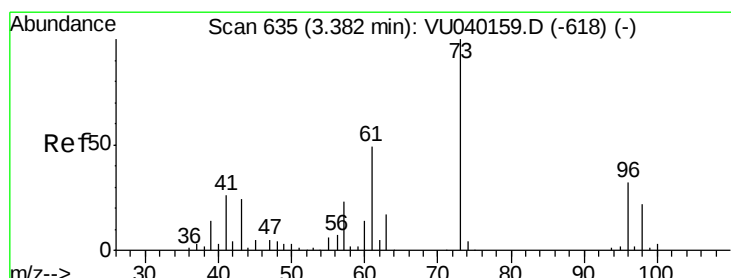
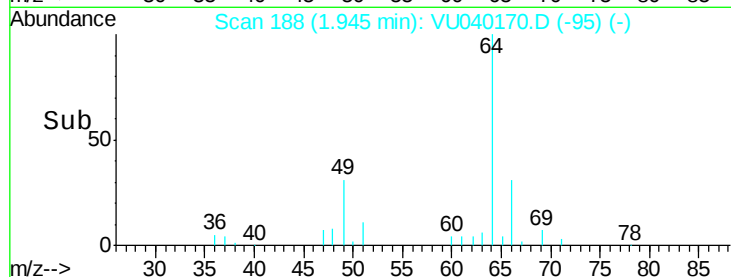
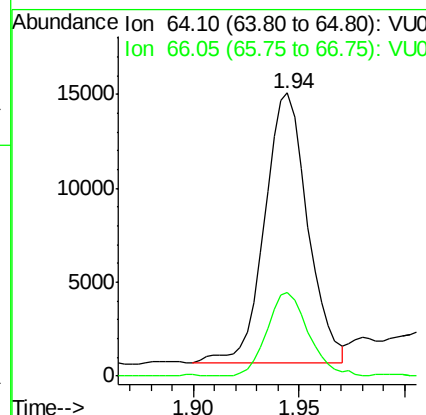
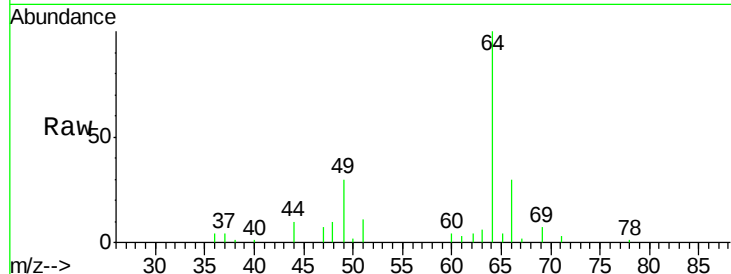




#8
Chloroethane
Concen: 3.076 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

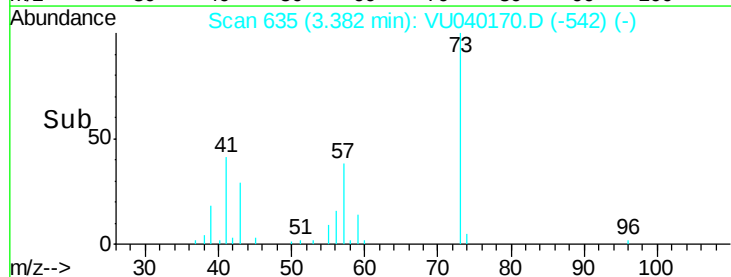
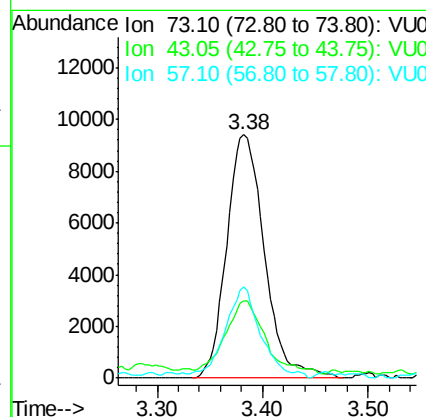
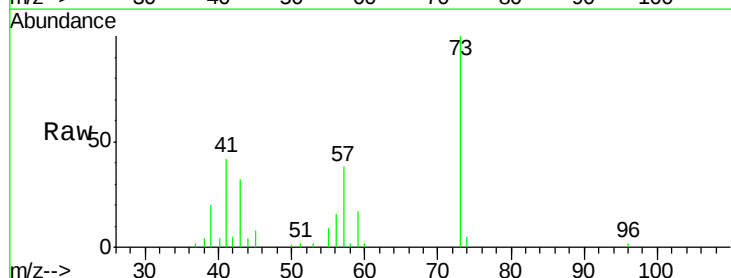
Instrument :
MSVOA_U
ClientSampleId :
BG0P6

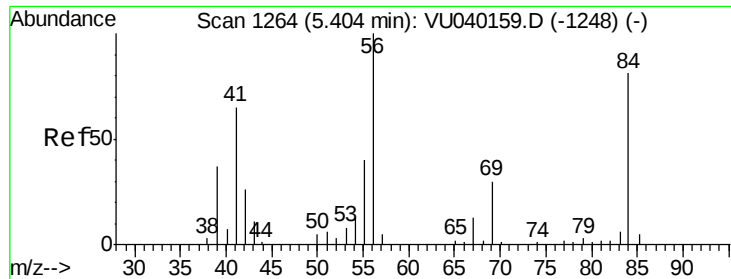
Tot Ion: 64 Resp: 20602
Ion Ratio Lower Upper
64 100
66 29.6 22.7 42.1



#17
Methyl tert-butyl Ether
Concen: 0.867 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Tgt Ion: 73 Resp: 23396
Ion Ratio Lower Upper
73 100
43 32.2 19.1 28.7#
57 35.6 18.3 27.5#

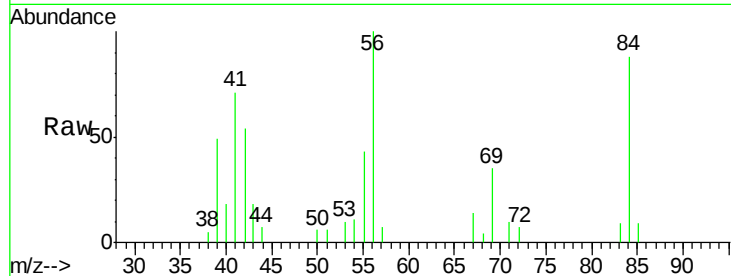




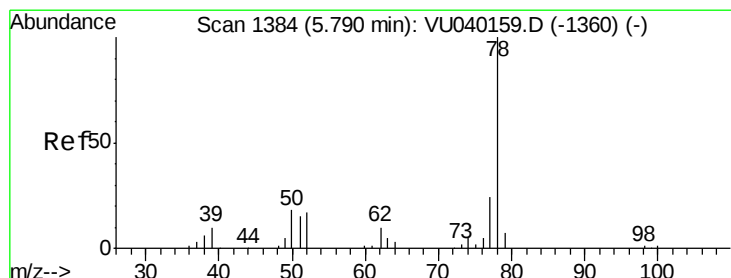
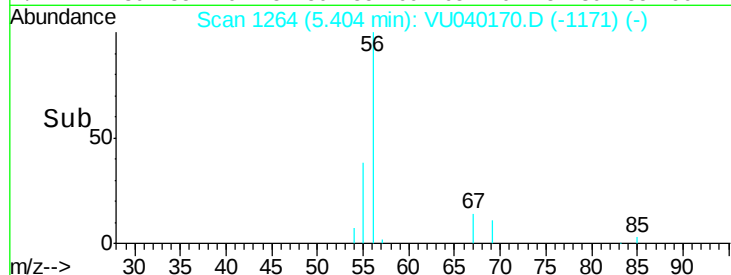
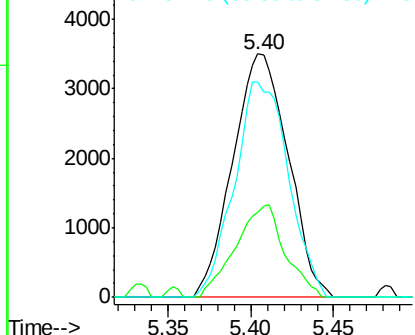
#30
Cyclohexane
Concen: 0.484 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Instrument :
MSVOA_U
ClientSampleId :
BG0P6

Tot Ion: 56 Resp: 8114
Ion Ratio Lower Upper
56 100
69 33.9 24.1 36.1
84 86.6 65.0 97.4

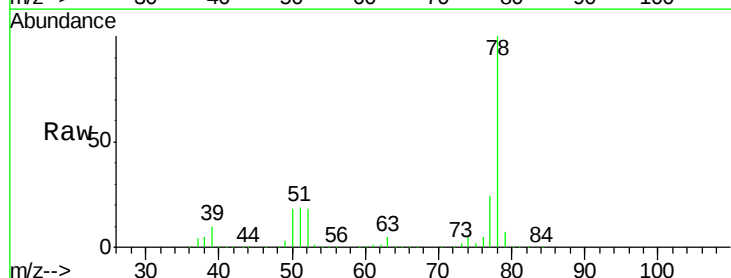


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

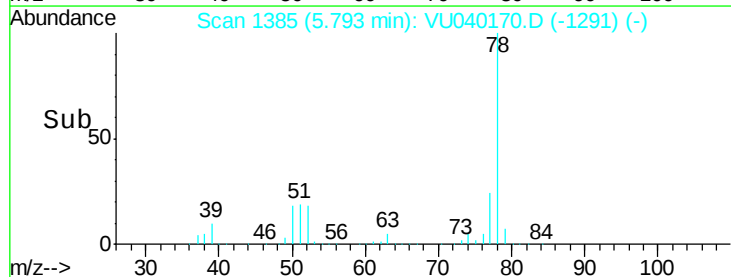
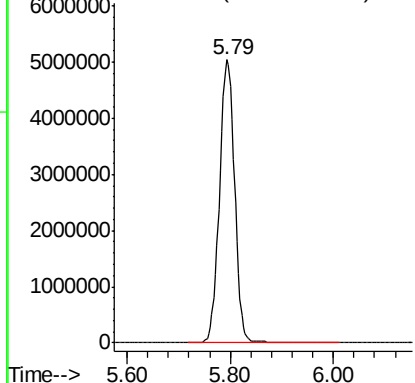


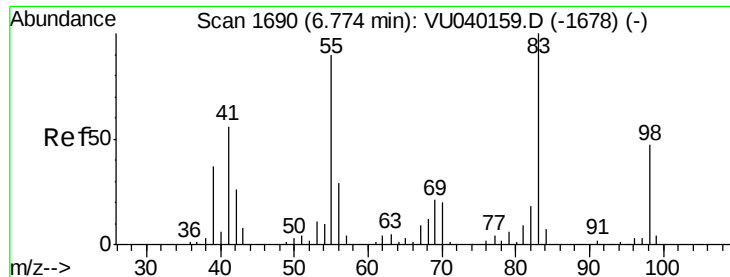
#33
Benzene
Concen: 261.821 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Tgt Ion: 78 Resp:10309205



Abundance Ion 78.10 (77.80 to 78.80): VU0

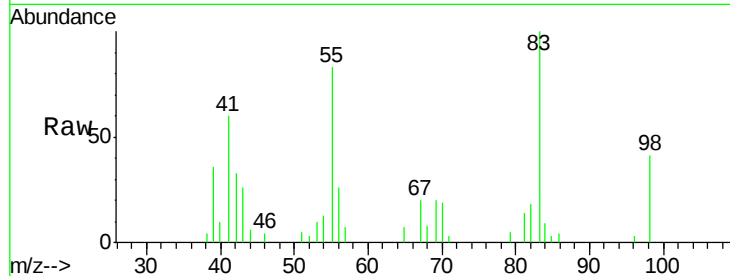




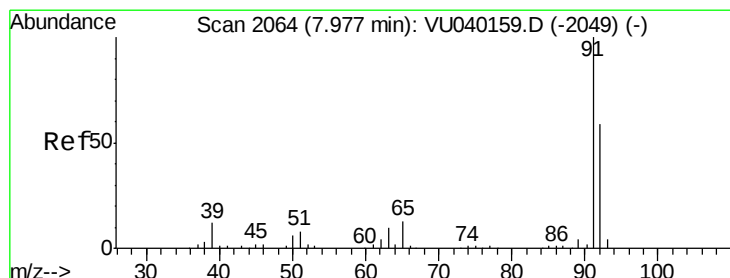
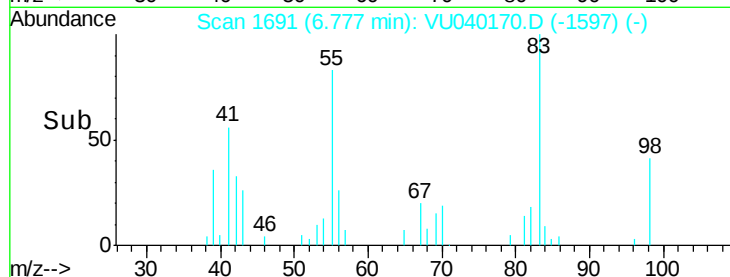
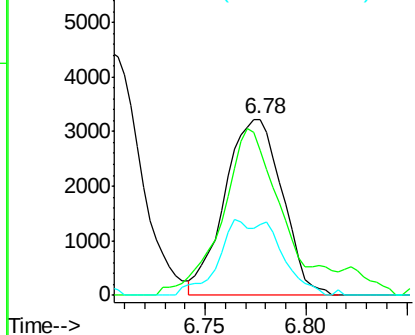
#35
Methvlcvclohexane
Concen: 0.399 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Instrument :
MSVOA_U
ClientSampleId :
BG0P6

Tot Ion: 83 Resp: 6447
Ion Ratio Lower Upper
83 100
55 98.8 70.5 105.7
98 26.1 37.8 56.6#

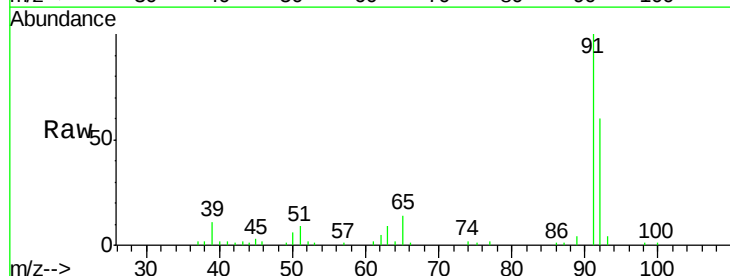


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

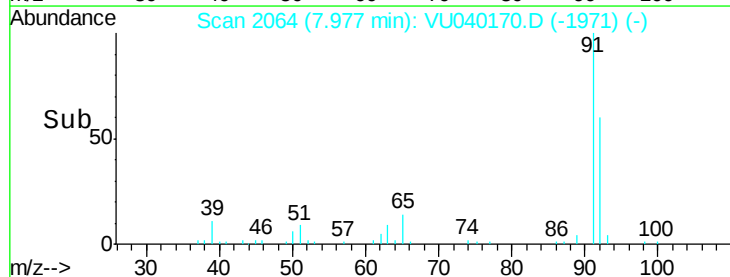
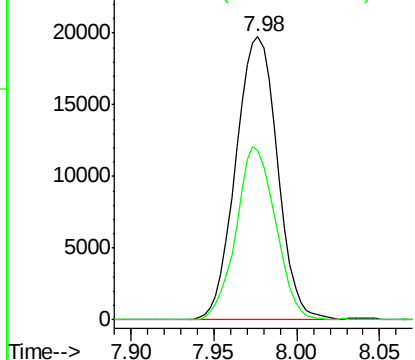


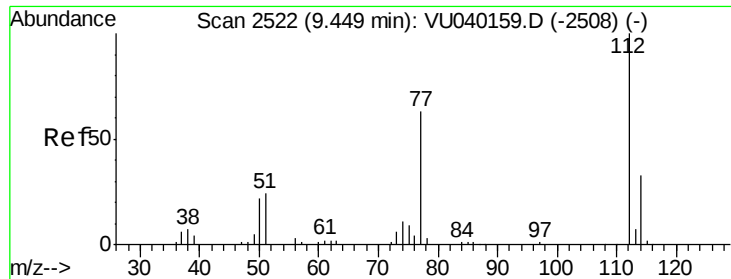
#42
Toluene
Concen: 0.852 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Tgt Ion: 91 Resp: 34564
Ion Ratio Lower Upper
91 100
92 59.9 40.7 75.5



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

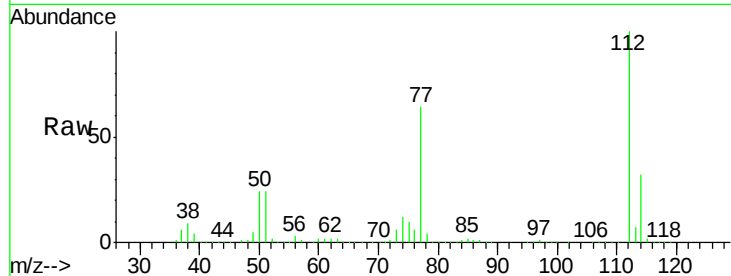




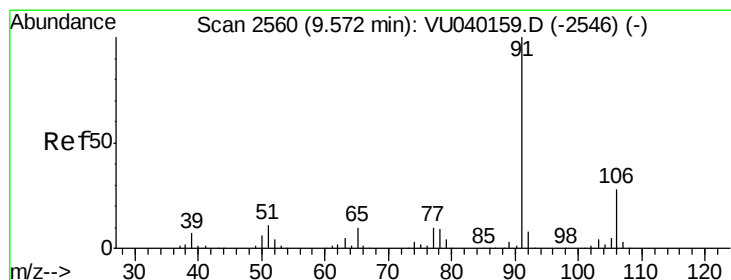
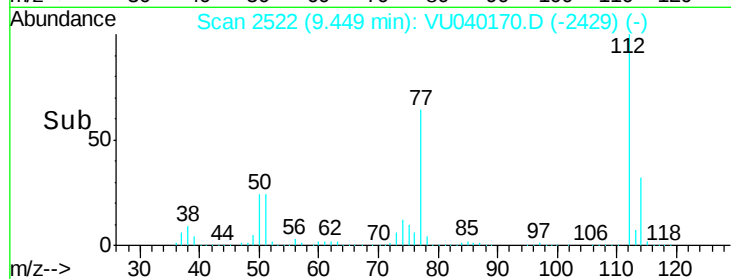
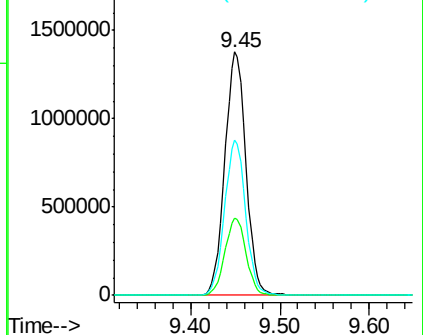
#51
Chlorobenzene
Concen: 89.819 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

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Tot Ion:112 Resp: 2261271
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 63.9 53.2 79.8

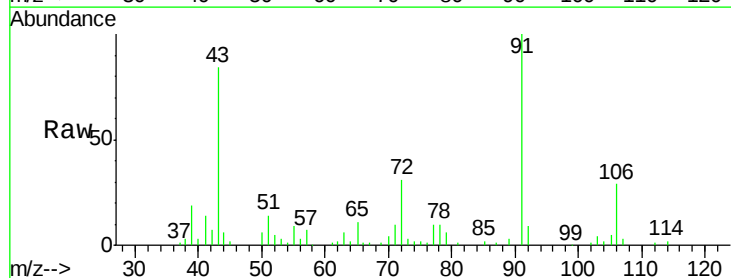


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

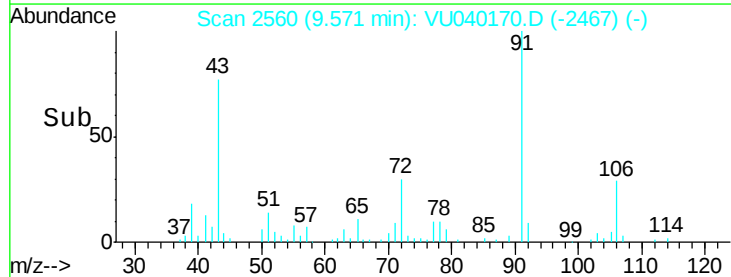
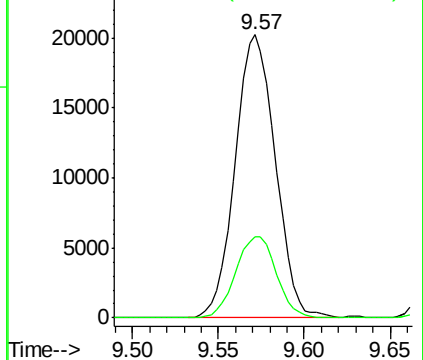


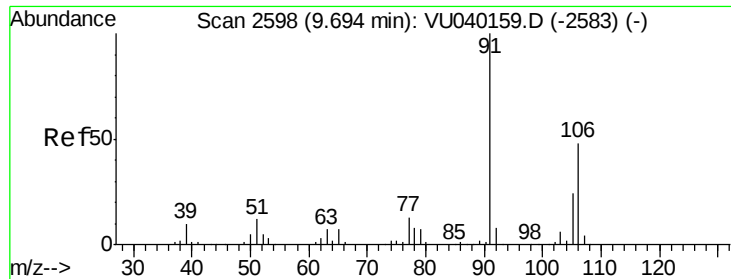
#52
Ethylbenzene
Concen: 0.714 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Tgt Ion: 91 Resp: 32896
Ion Ratio Lower Upper
91 100
106 28.6 21.0 39.0



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

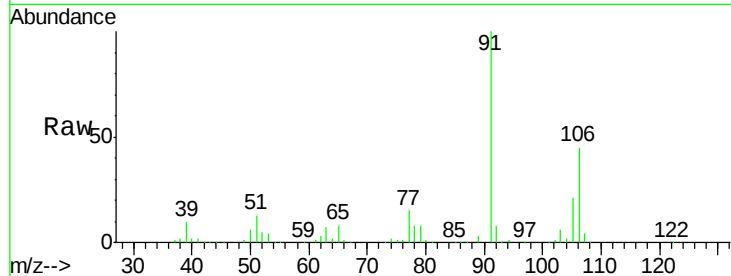




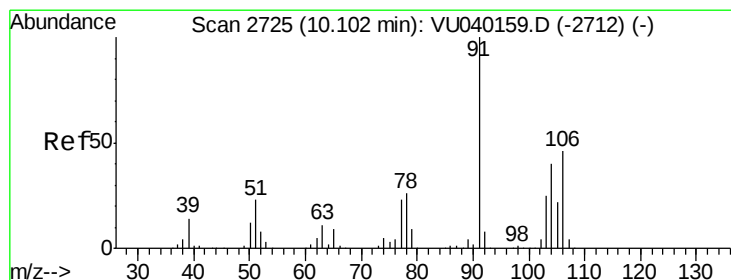
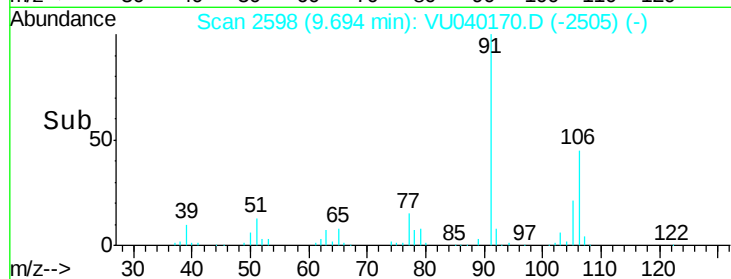
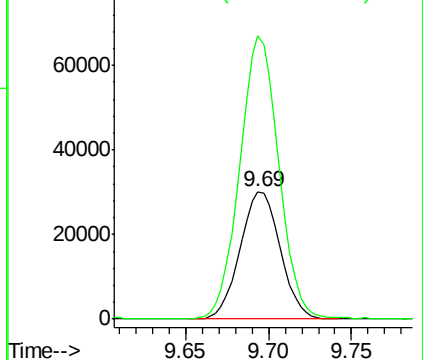
#53
m,p-Xylene
Concen: 3.093 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Instrument :
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ClientSampleId :
BG0P6

Tot Ion:106 Resp: 50729
Ion Ratio Lower Upper
106 100
91 221.4 151.7 281.7

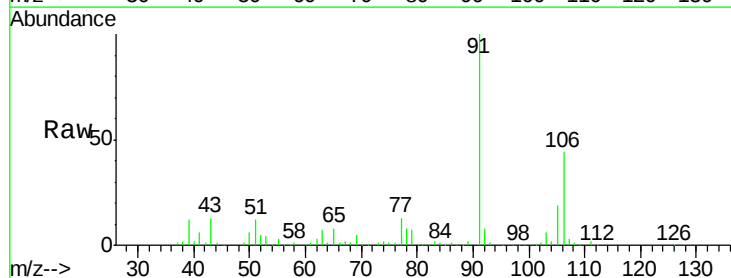


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

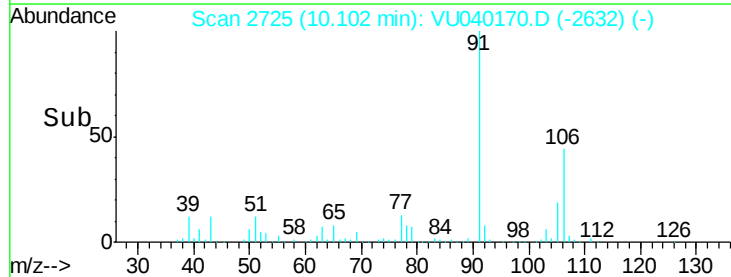
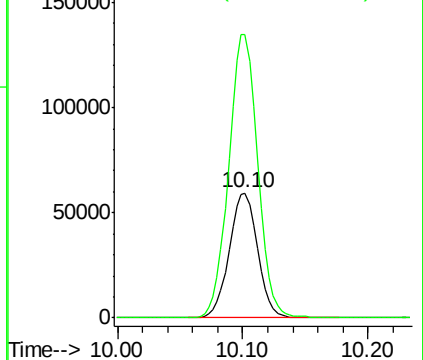


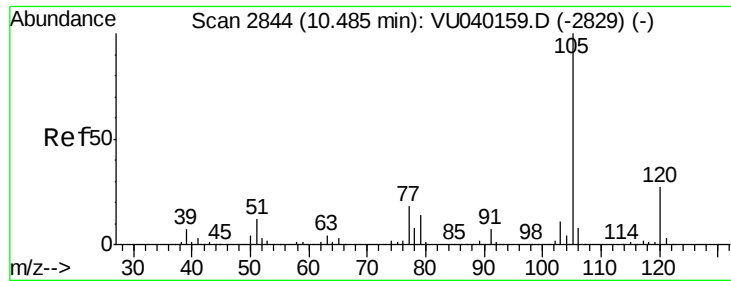
#54
o-Xylene
Concen: 5.984 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040170.D
Acq: 17 Sep 2020 00:38

Tgt Ion:106 Resp: 93541
Ion Ratio Lower Upper
106 100
91 227.1 160.8 298.6



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





#56

Isopropylbenzene

Concen: 7.241 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040170.D

Acq: 17 Sep 2020 00:38

Instrument :

MSVOA_U

ClientSampleId :

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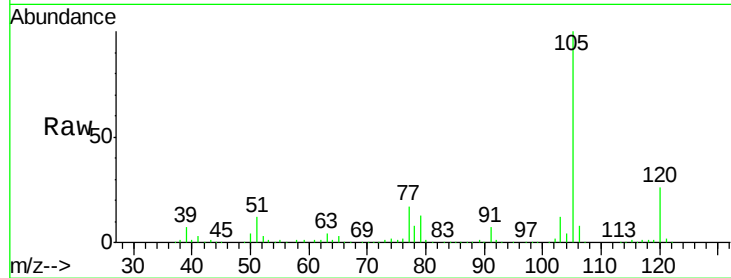
Tot Ion:105 Resp: 308697

Ion Ratio Lower Upper

105 100

120 26.0 20.1 30.1

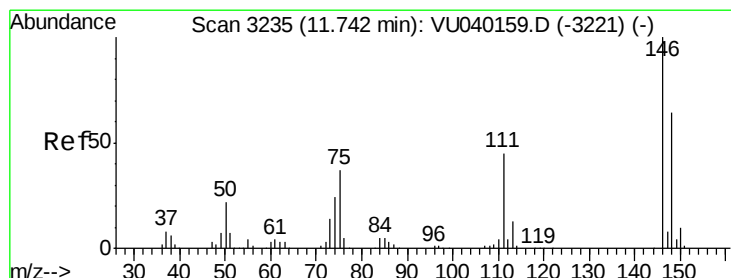
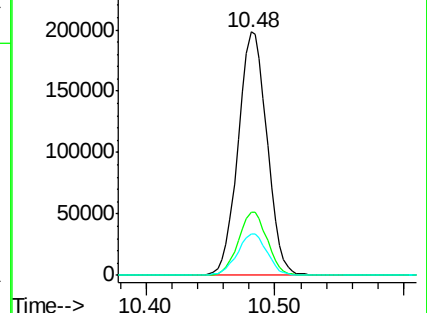
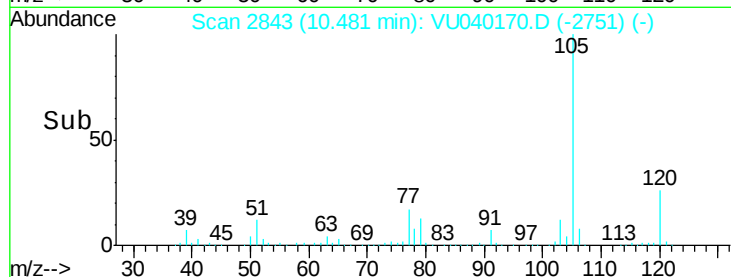
77 17.6 14.4 21.6



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



#62

1,3-Dichlorobenzene

Concen: 0.173 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040170.D

Acq: 17 Sep 2020 00:38

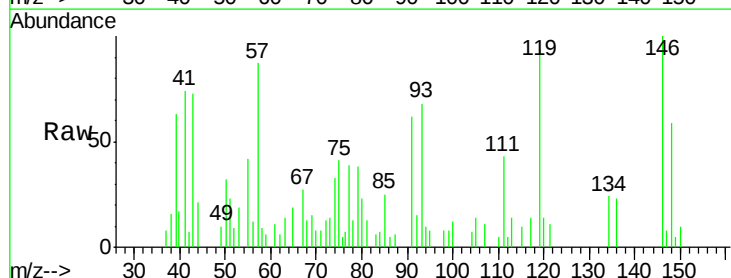
Tgt Ion:146 Resp: 3460

Ion Ratio Lower Upper

146 100

111 43.4 31.6 58.8

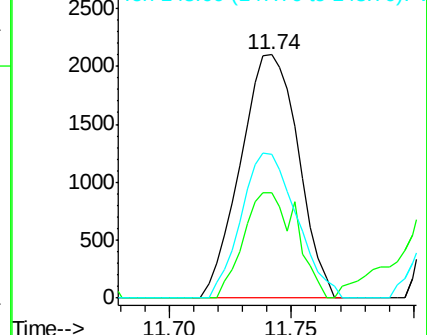
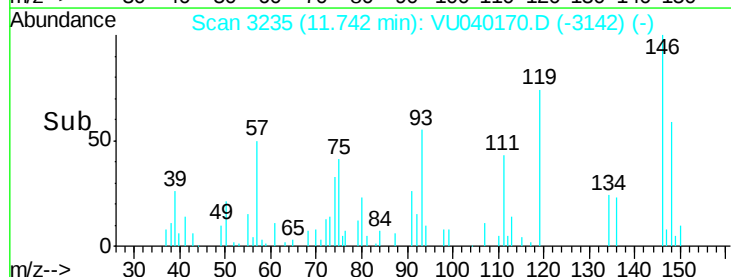
148 59.1 44.2 82.0

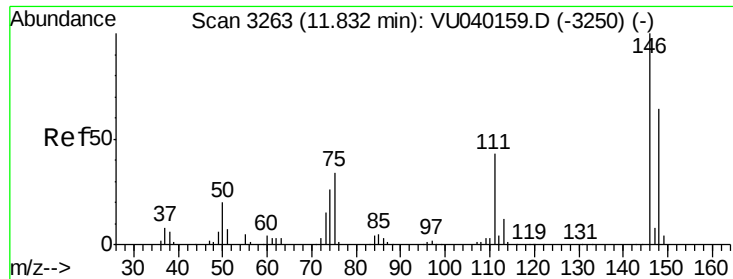


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

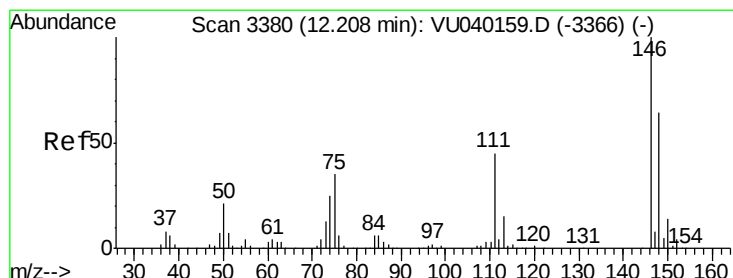
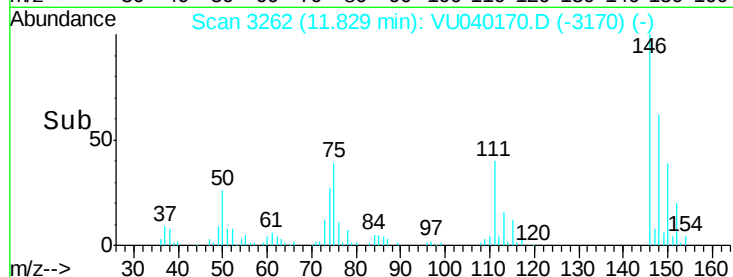
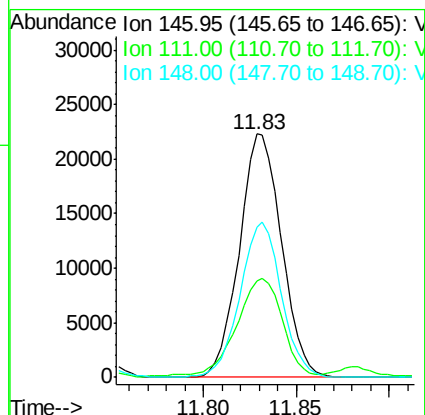
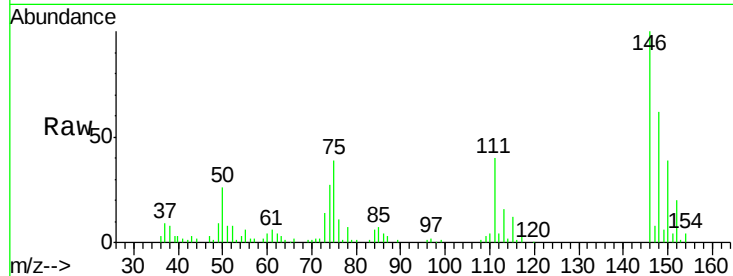




#63
 1,4-Dichlorobenzene
 Concen: 1.746 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040170.D
 Acq: 17 Sep 2020 00:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P6

Tot Ion:146 Resp: 35281
 Ion Ratio Lower Upper
 146 100
 111 39.8 30.5 56.7
 148 61.9 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 1.241 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040170.D
 Acq: 17 Sep 2020 00:38

Tgt Ion:146 Resp: 23973
 Ion Ratio Lower Upper
 146 100
 111 48.7 36.5 54.7
 148 64.3 48.6 72.8

