

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040171.D
 Acq On : 17 Sep 2020 01:01
 Operator : SY/MD
 Sample : L4046-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P8

Quant Time: Sep 17 02:10:51 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	115188	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47751	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27783	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.92	69	25166	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.58	63	46217	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.66	46	113388	45.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.14%
24) Chloroform-d	5.08	84	60925	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.72	65	38982	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.74	84	112130	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	38247	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.91	98	94901	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	14483	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.64	63	79747	42.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.18%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32023	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	37843	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

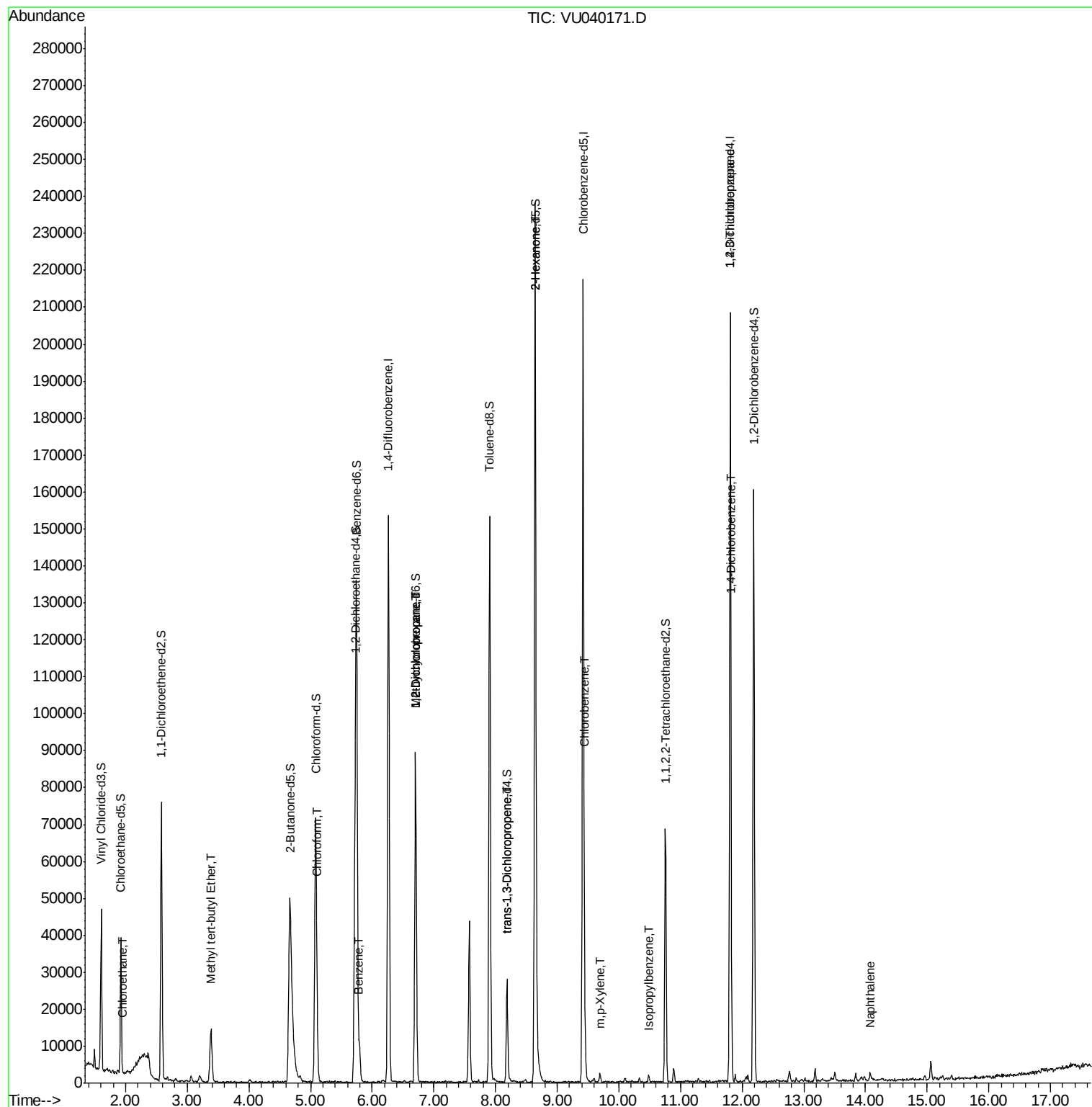
					Ovalue
8) Chloroethane	1.95	64	208	0.031 ug/L #	42
17) Methyl tert-butyl Ether	3.39	73	15295	0.569 ug/L	99
25) Chloroform	5.11	83	2901	0.144 ug/L	92
33) Benzene	5.79	78	8825	0.221 ug/L	100
35) Methylcyclohexane	6.71	83	9207	0.560 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4697	0.434 ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	727	0.049 ug/L #	40
48) 2-Hexanone	8.64	43	11489	1.772 ug/L #	72
51) Chlorobenzene	9.45	112	6434	0.252 ug/L	94
53) m,p-Xylene	9.69	106	839	0.050 ug/L	74
56) Isopropylbenzene	10.48	105	1283	0.030 ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	7420	0.925 ug/L #	81
63) 1,4-Dichlorobenzene	11.83	146	979	0.055 ug/L	93
69) Naphthalene	14.08	128	2211	0.100 ug/L #	91

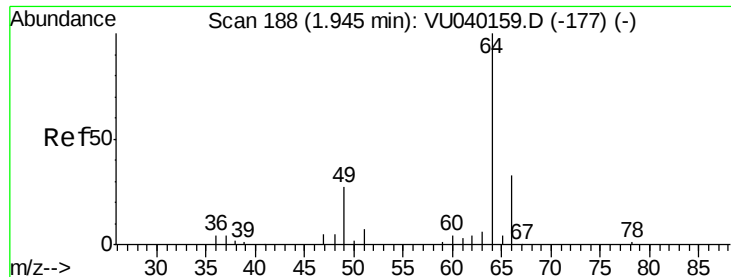
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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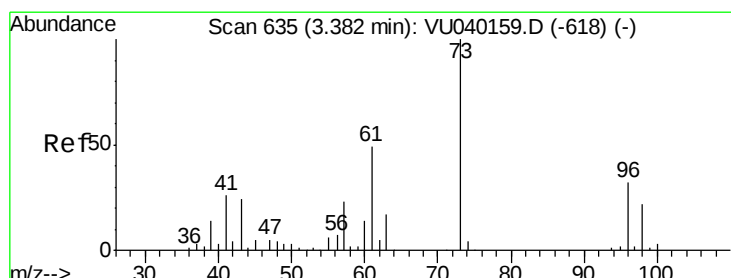
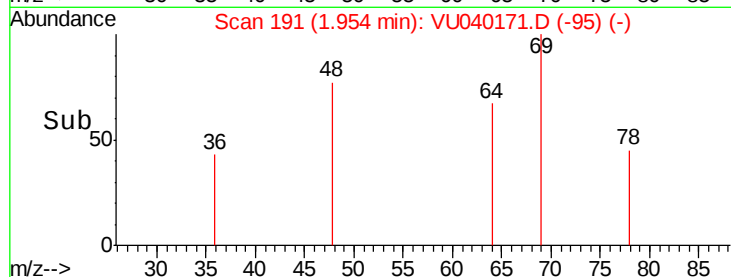
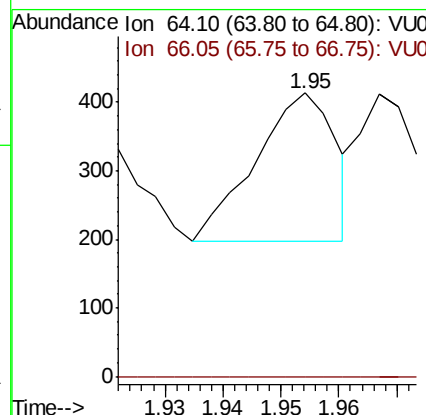
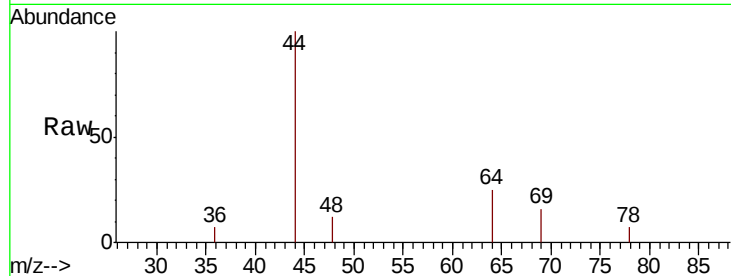




#8
Chloroethane
Concen: 0.031 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

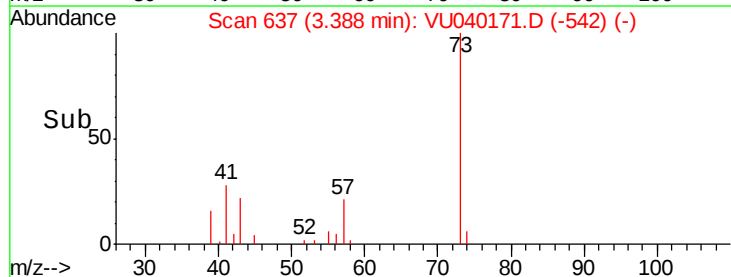
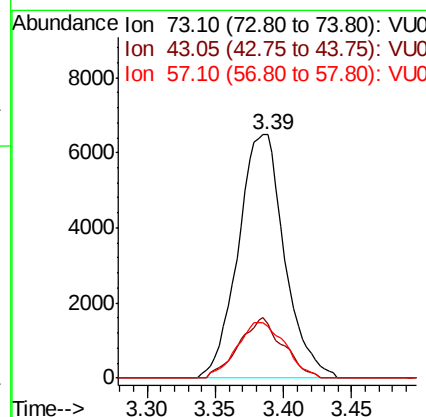
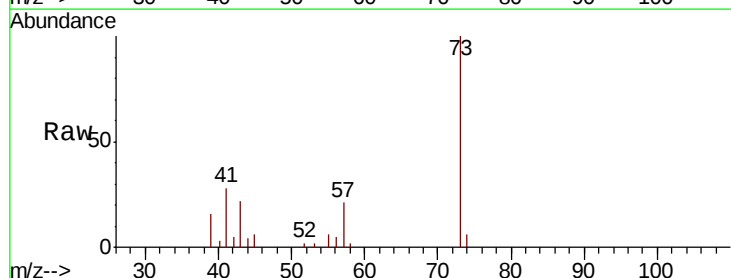
Instrument :
MSVOA_U
ClientSampled :
BG0P8

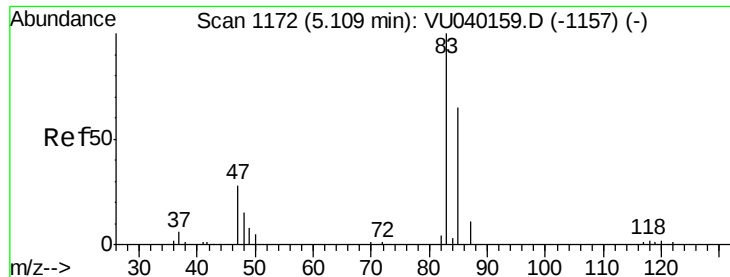
Tot Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 22.7 42.1#



#17
Methyl tert-butyl Ether
Concen: 0.569 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Tgt Ion: 73 Resp: 15295
Ion Ratio Lower Upper
73 100
43 23.5 19.1 28.7
57 23.7 18.3 27.5

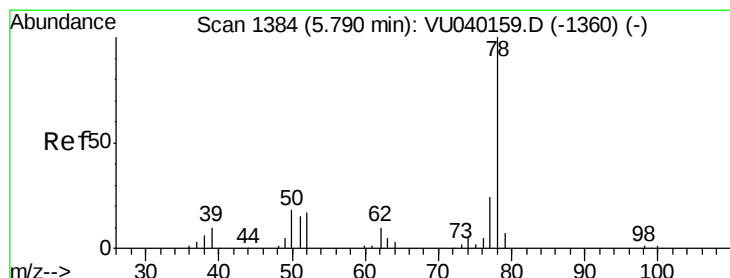
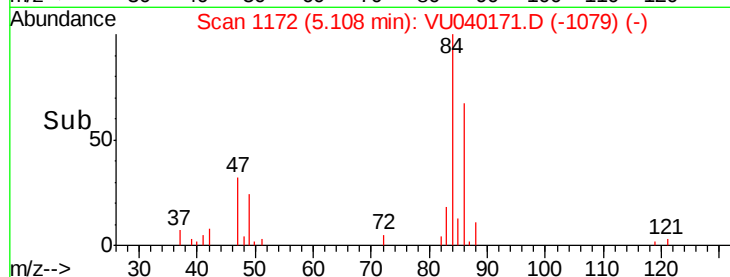
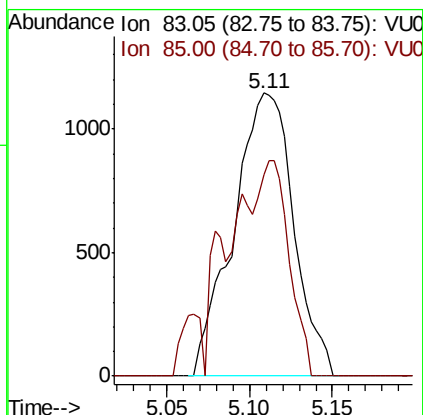
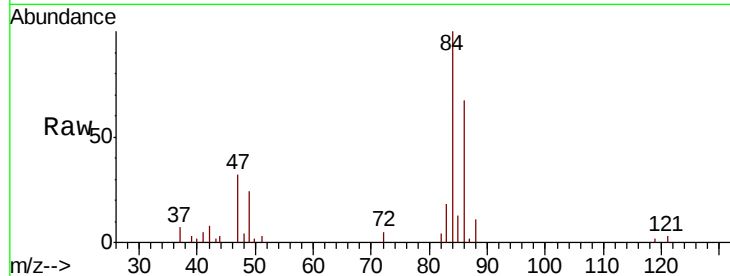




#25
Chloroform
Concen: 0.144 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

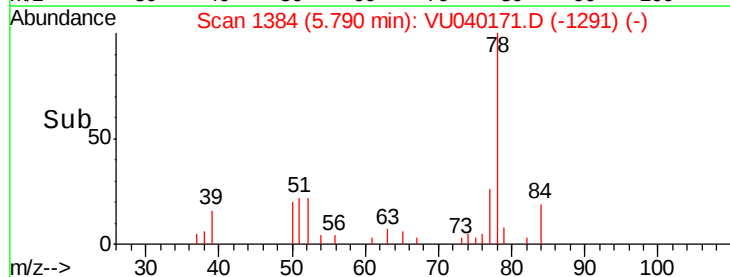
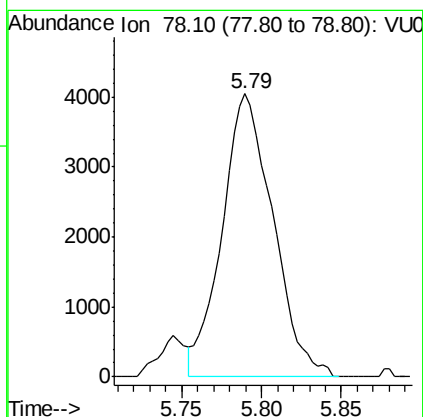
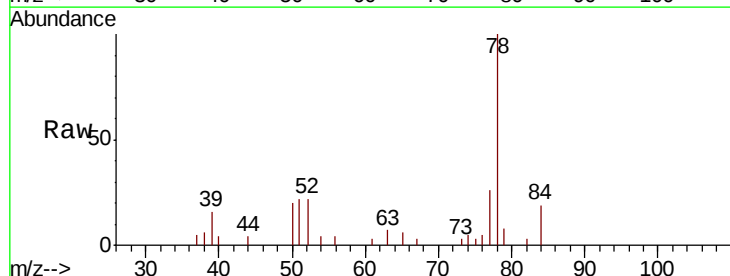
Instrument :
MSVOA_U
ClientSampleId :
BG0P8

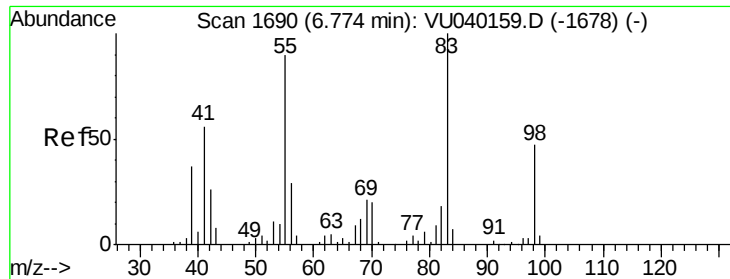
Tot Ion: 83 Resp: 2901
Ion Ratio Lower Upper
83 100
85 71.4 45.3 84.1



#33
Benzene
Concen: 0.221 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Tgt Ion: 78 Resp: 8825

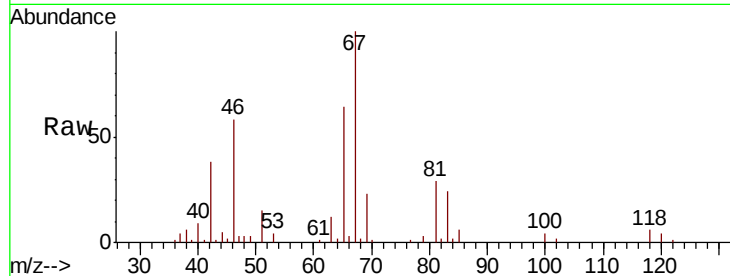




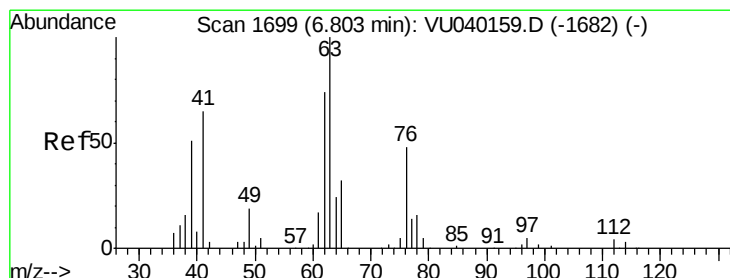
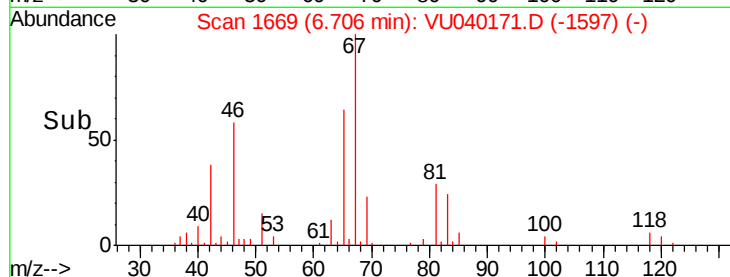
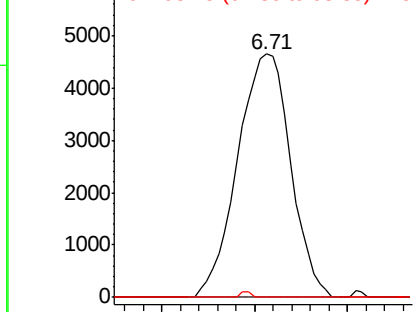
#35
Methylcyclohexane
Concen: 0.560 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Instrument :
MSVOA_U
ClientSampleId :
BG0P8

Tot Ion: 83 Resp: 9207
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.4 37.8 56.6#

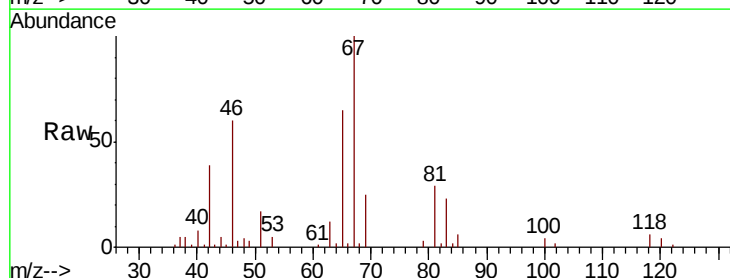


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

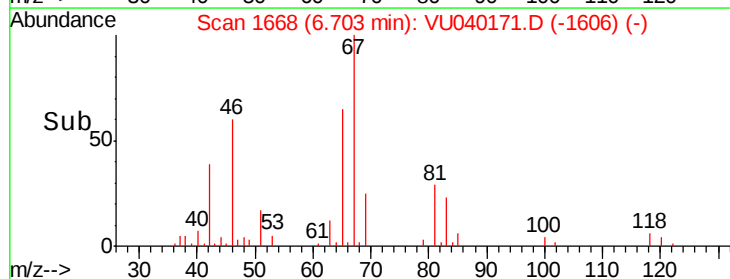
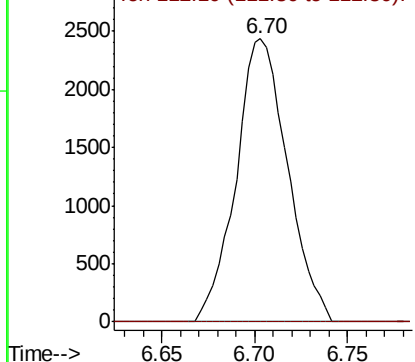


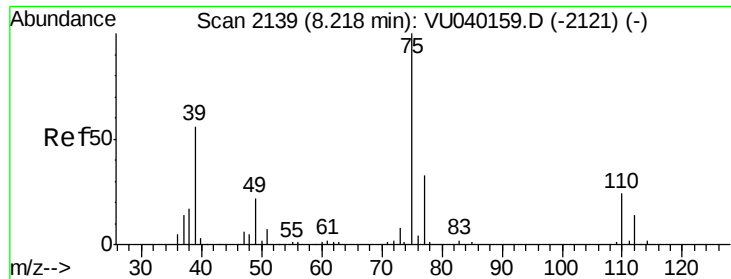
#37
1,2-Dichloropropane
Concen: 0.434 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Tgt Ion: 63 Resp: 4697
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.049 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040171.D

Acq: 17 Sep 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

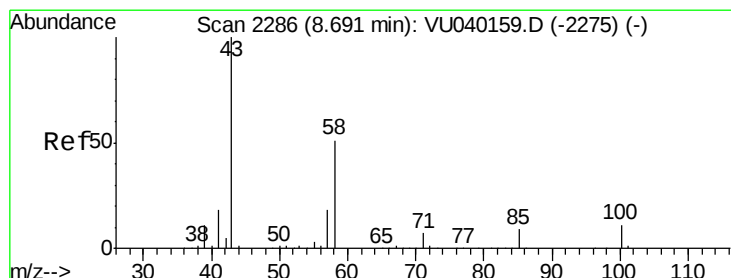
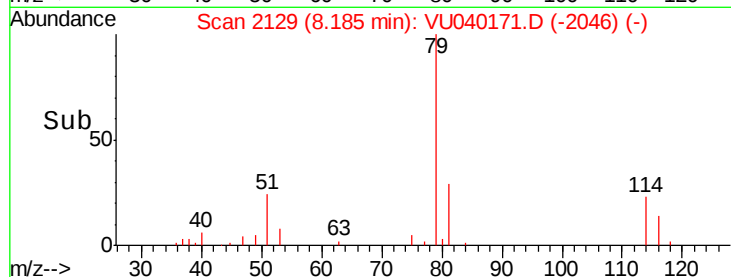
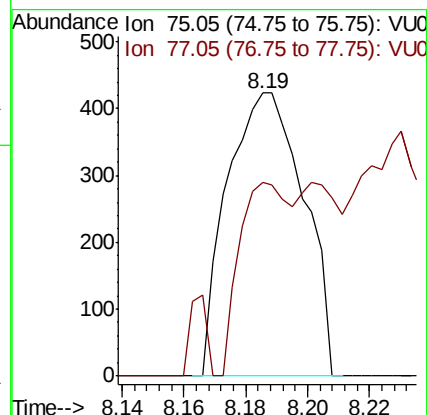
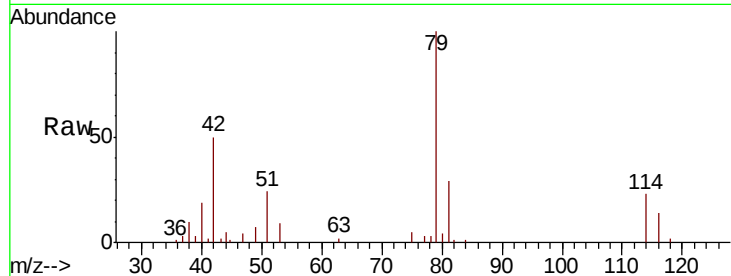
BG0P8

Tot Ion: 75 Resp: 727

Ion Ratio Lower Upper

75 100

77 68.6 23.9 44.3#



#48

2-Hexanone

Concen: 1.772 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040171.D

Acq: 17 Sep 2020 01:01

Tgt Ion: 43 Resp: 11489

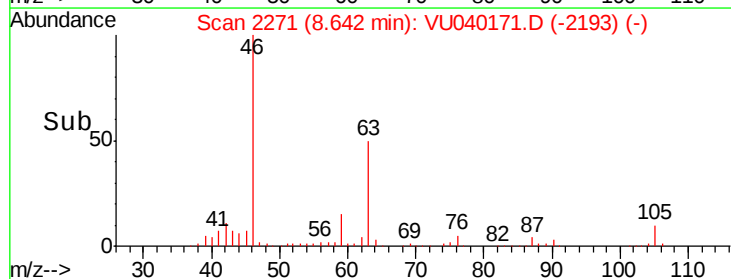
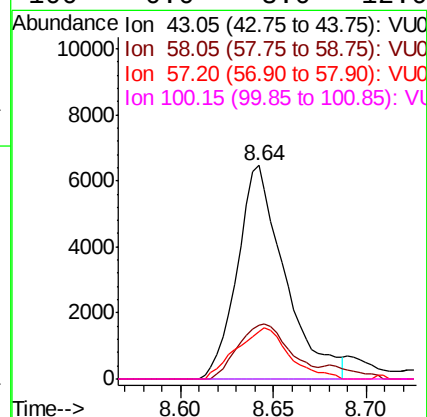
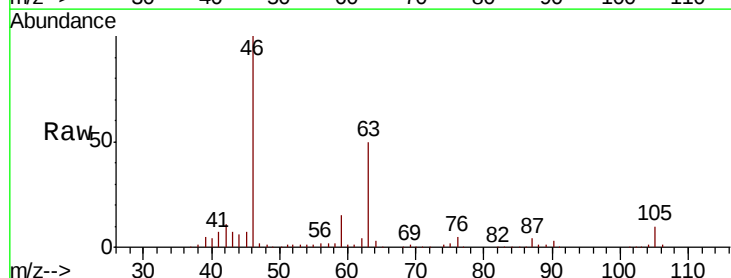
Ion Ratio Lower Upper

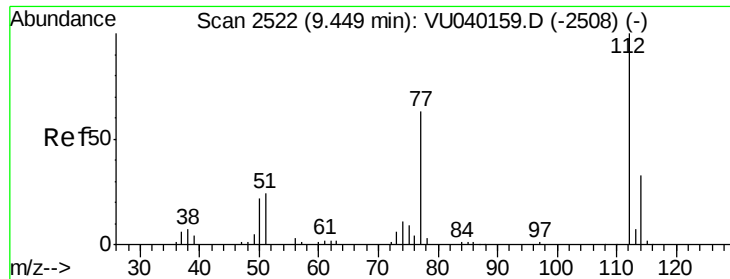
43 100

58 28.2 39.6 59.4#

57 26.6 14.3 21.5#

100 0.0 8.0 12.0#

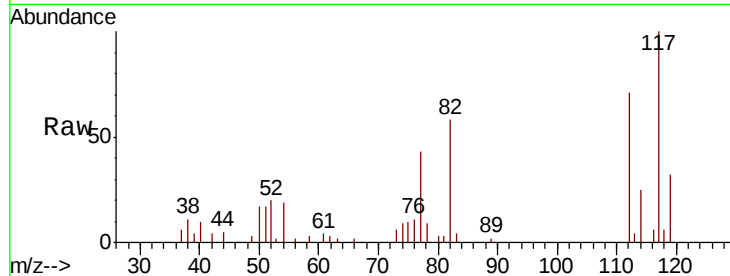




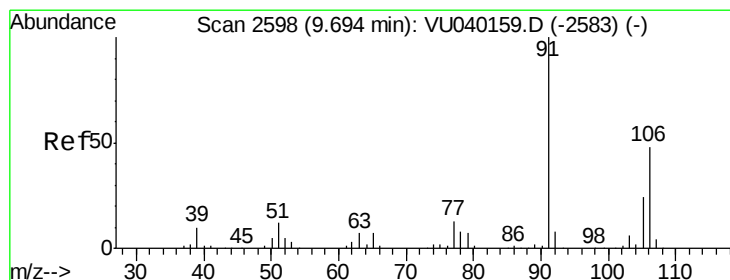
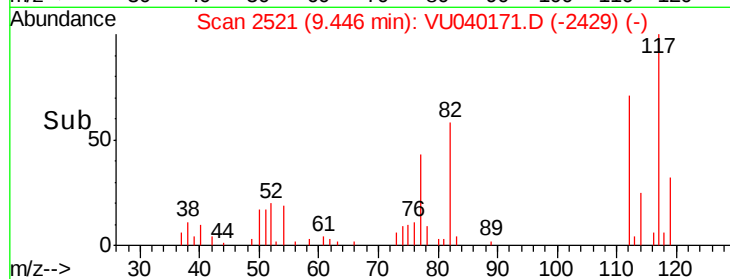
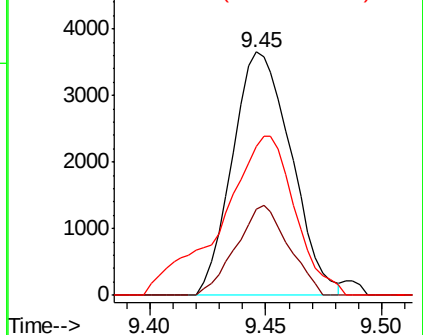
#51
Chlorobenzene
Concen: 0.252 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Instrument :
MSVOA_U
ClientSampleId :
BG0P8

Tot Ion:112 Resp: 6434
Ion Ratio Lower Upper
112 100
114 35.3 22.7 42.3
77 61.2 53.2 79.8

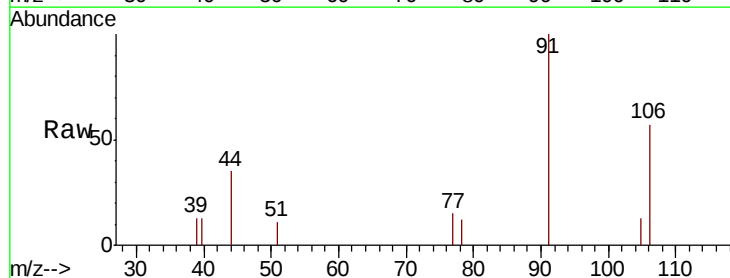


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

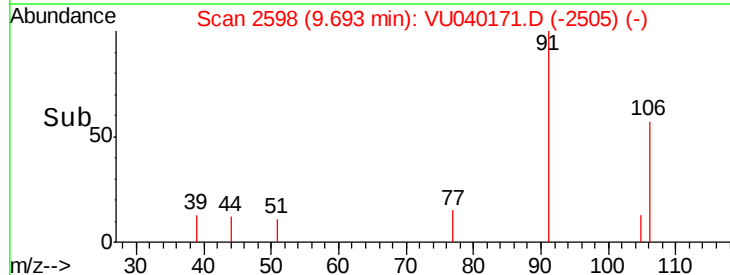
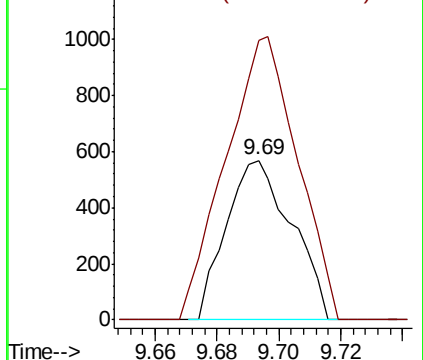


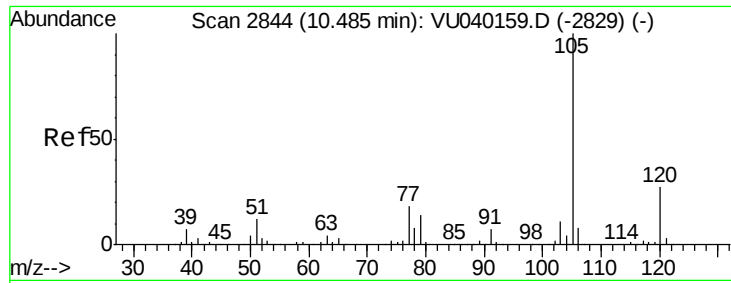
#53
m,p-Xylene
Concen: 0.050 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040171.D
Acq: 17 Sep 2020 01:01

Tgt Ion:106 Resp: 839
Ion Ratio Lower Upper
106 100
91 174.9 151.7 281.7



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





#56

Isopropylbenzene

Concen: 0.030 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040171.D

Acq: 17 Sep 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

BG0P8

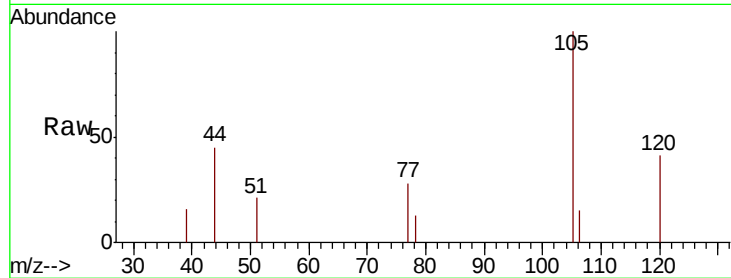
Tot Ion:105 Resp: 1283

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

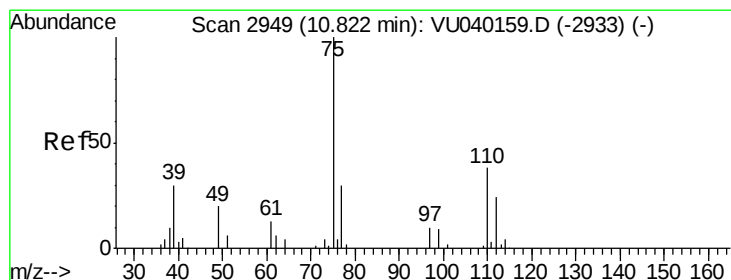
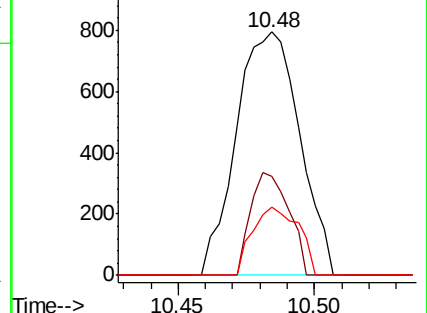
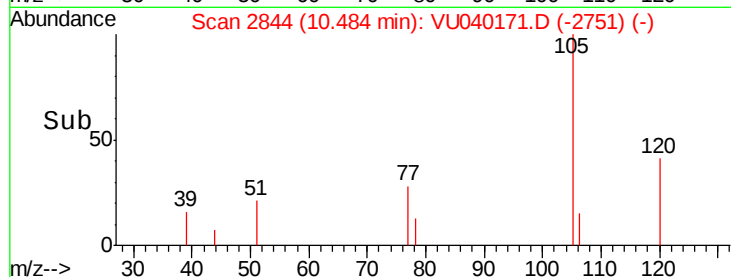
77 20.3 14.4 21.6



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.925 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040171.D

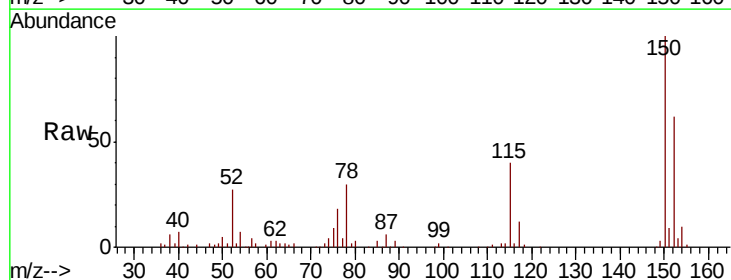
Acq: 17 Sep 2020 01:01

Tgt Ion: 75 Resp: 7420

Ion Ratio Lower Upper

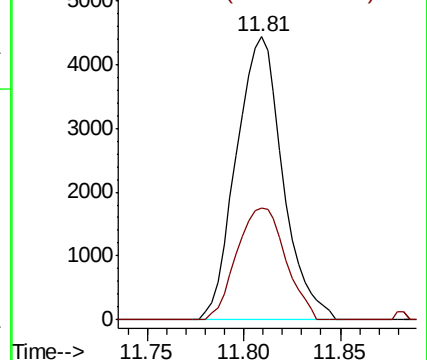
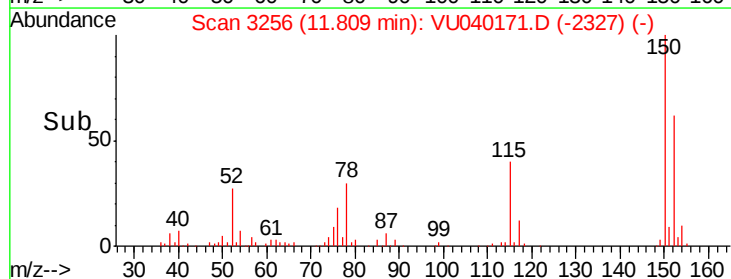
75 100

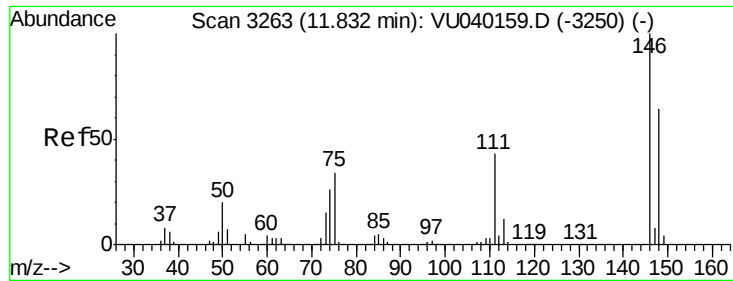
77 41.4 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.055 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040171.D

Acq: 17 Sep 2020 01:01

Instrument :

MSVOA_U

ClientSampleId :

BG0P8

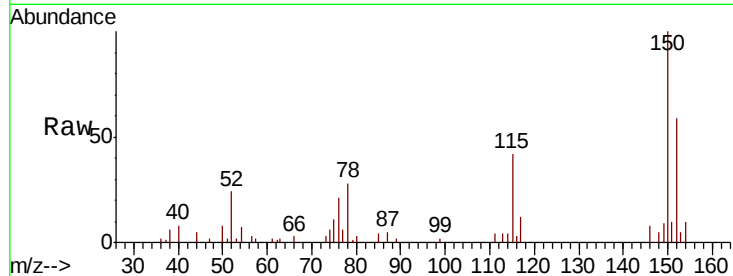
Tot Ion:146 Resp: 979

Ion Ratio Lower Upper

146 100

111 43.5 30.5 56.7

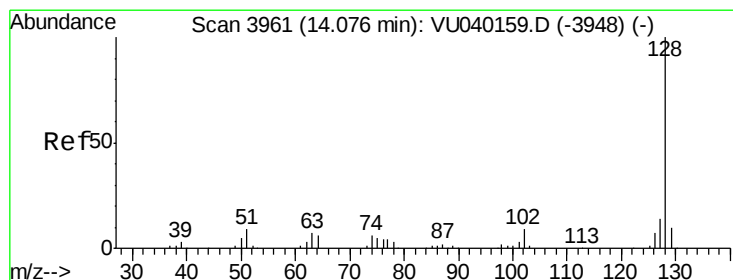
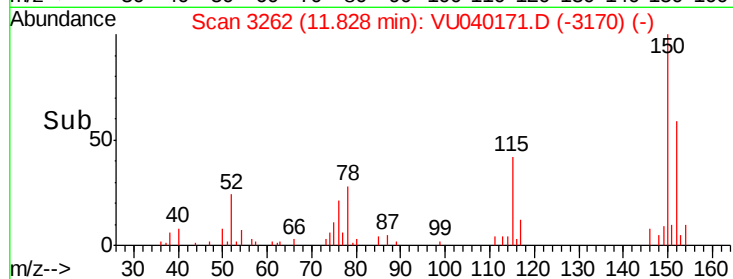
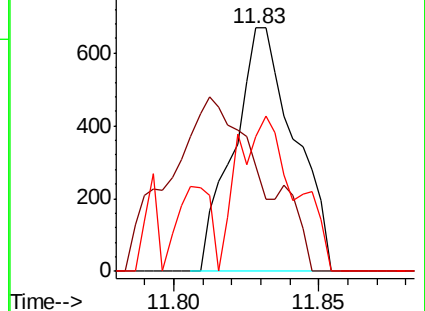
148 55.6 45.4 84.4



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



#69

Naphthalene

Concen: 0.100 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040171.D

Acq: 17 Sep 2020 01:01

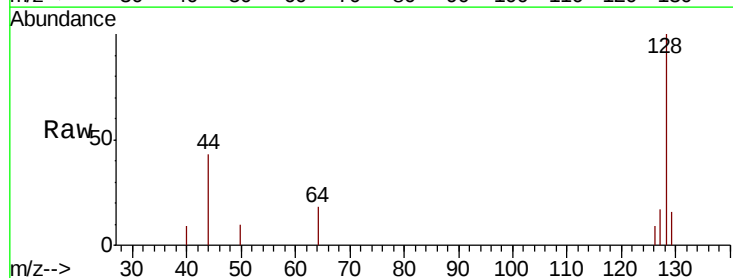
Tgt Ion:128 Resp: 2211

Ion Ratio Lower Upper

128 100

129 8.0 8.7 13.1#

127 9.0 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

