

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040315.D
 Acq On : 25 Sep 2020 21:20
 Operator : SY/MD
 Sample : L4139-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A4

Quant Time: Sep 26 07:32:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127030	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61257	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31532	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	31413	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	54304	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.66	46	176241	63.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.06%
24) Chloroform-d	5.08	84	76339	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	47565	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	140021	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	49684	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.91	98	115578	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	18511	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	115679	56.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44235	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	52317	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	22188	3.017 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	16079	0.543 ug/L #	1
25) Chloroform	5.11	83	13611	0.611 ug/L	98
30) Cyclohexane	5.40	56	9946	0.539 ug/L	96
33) Benzene	5.79	78	3173394	73.145 ug/L	100
35) Methylcyclohexane	6.77	83	7580	0.425 ug/L #	86
42) Toluene	7.98	91	8282	0.185 ug/L	97
51) Chlorobenzene	9.45	112	276960	9.984 ug/L	98
52) Ethylbenzene	9.57	91	16283	0.321 ug/L	100
53) m,p-Xylene	9.69	106	87901	4.863 ug/L	100
54) o-Xylene	10.10	106	6018	0.349 ug/L	99
56) Isopropylbenzene	10.48	105	121477	2.586 ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	2182	0.097 ug/L	91
63) 1,4-Dichlorobenzene	11.83	146	20024	0.884 ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	33270	1.536 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 06:44:13 2020
Response via : Initial Calibration

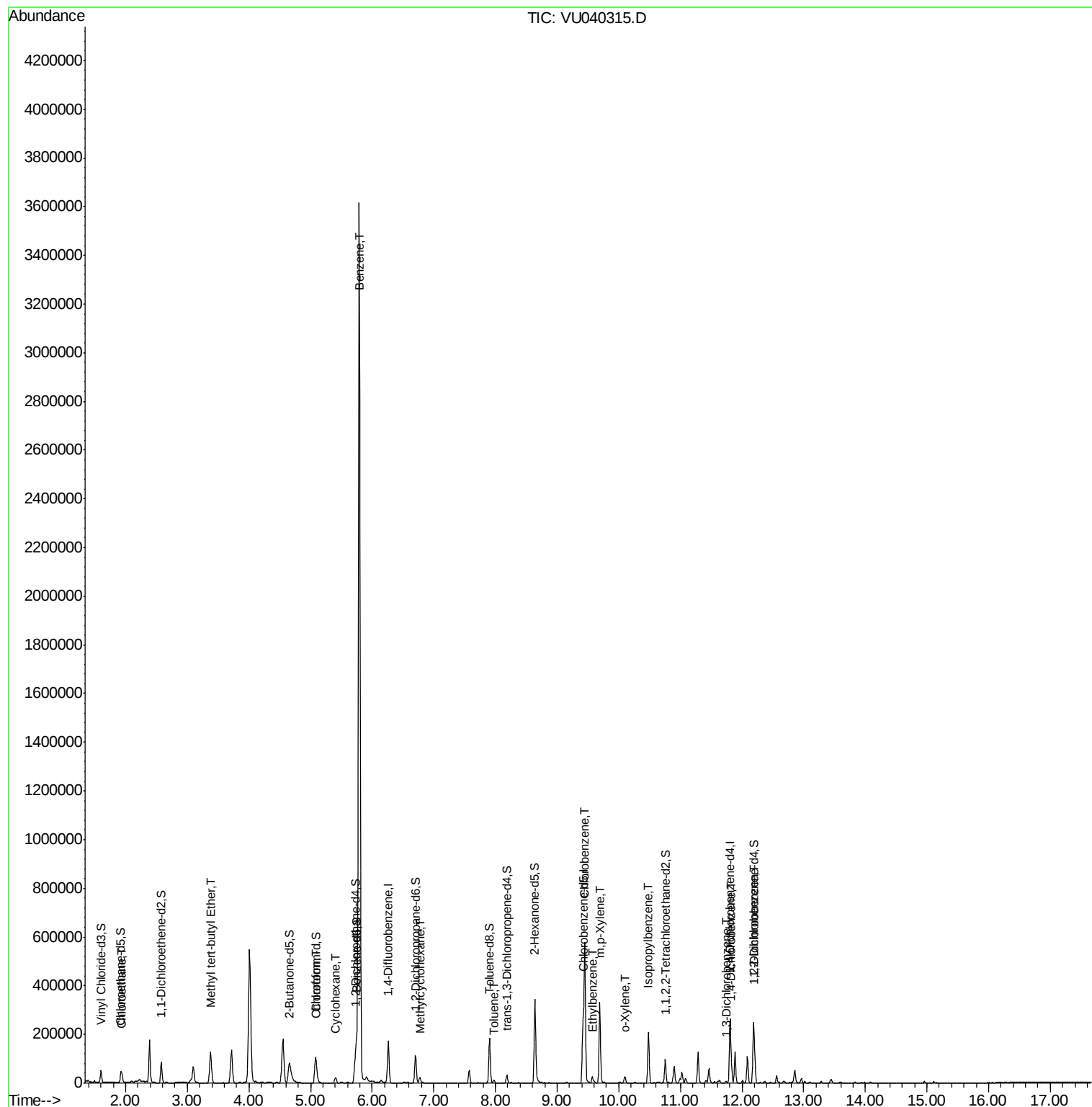
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

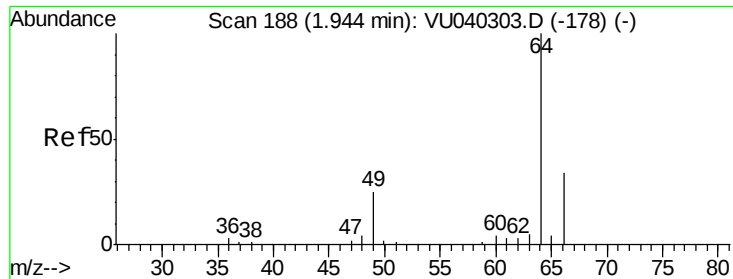
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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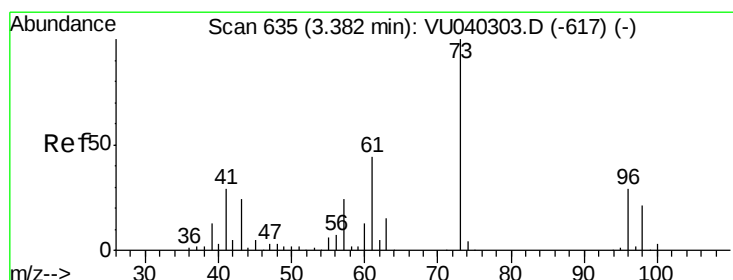
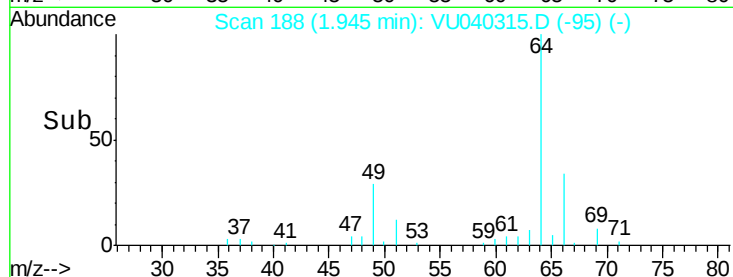
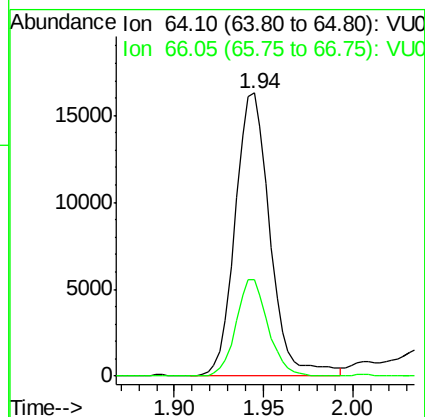
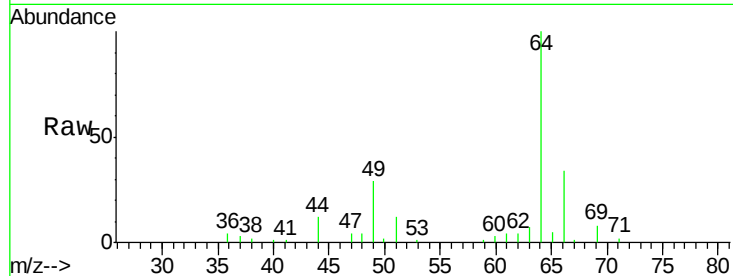




#8
Chloroethane
Concen: 3.017 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

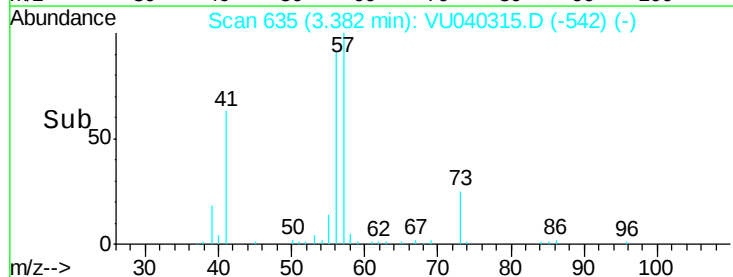
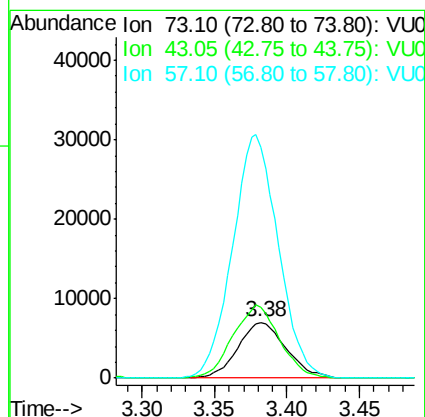
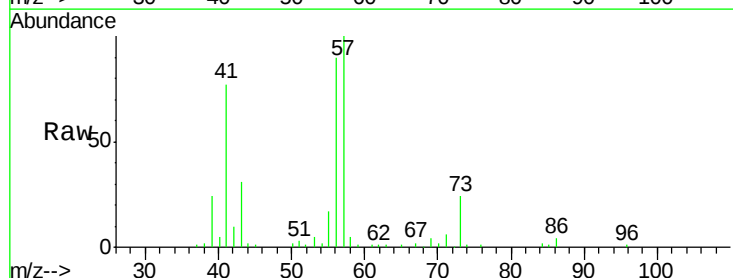
Instrument :
MSVOA_U
ClientSampled :
BG4A4

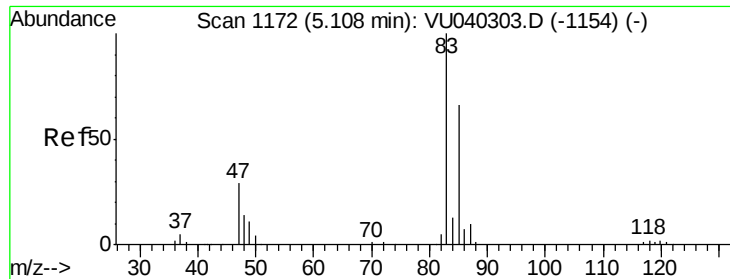
Tot Ion: 64 Resp: 22188
Ion Ratio Lower Upper
64 100
66 34.2 22.7 42.1



#17
Methyl tert-butyl Ether
Concen: 0.543 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

Tgt Ion: 73 Resp: 16079
Ion Ratio Lower Upper
73 100
43 127.7 19.1 28.7#
57 417.2 18.3 27.5#

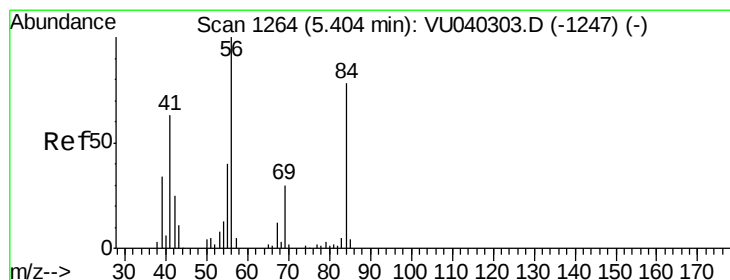
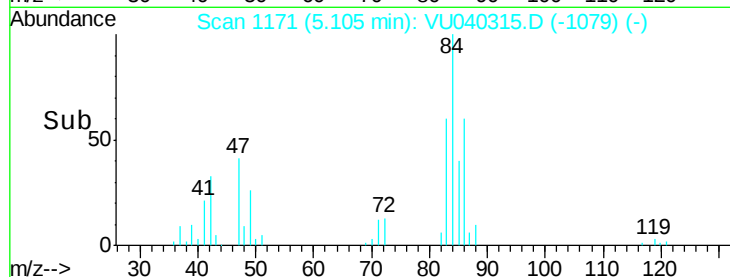
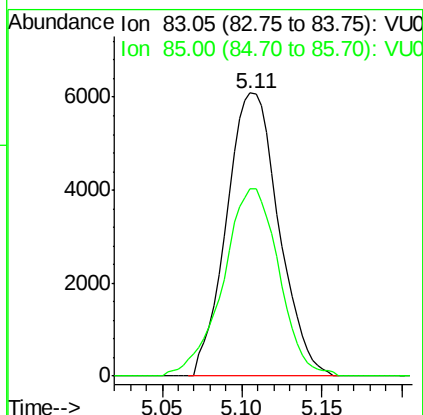
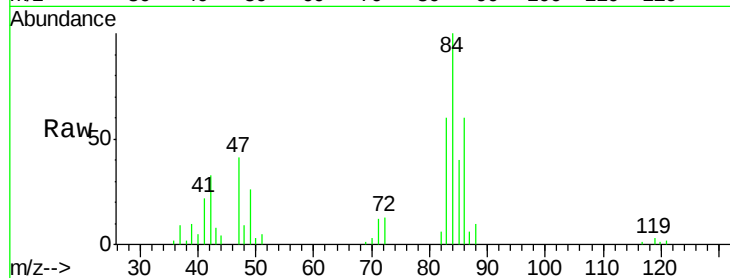




#25
Chloroform
Concen: 0.611 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

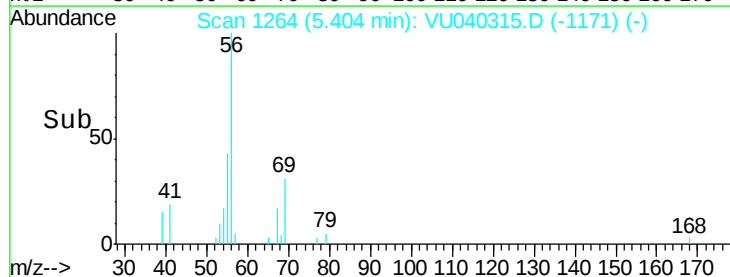
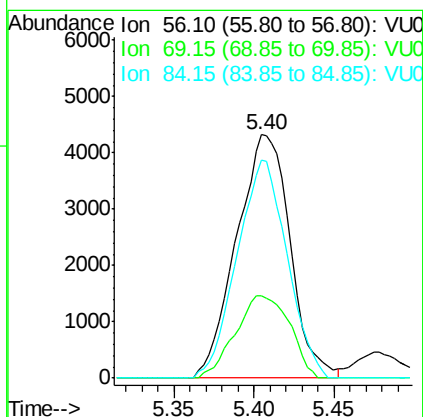
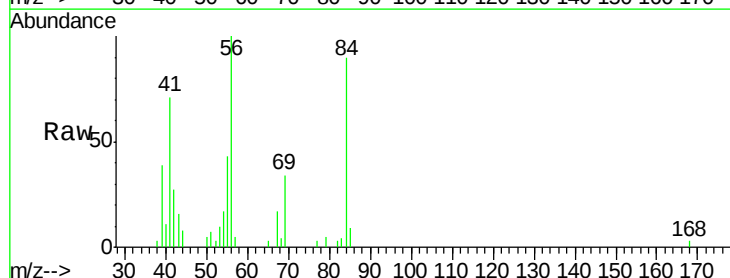
Instrument :
MSVOA_U
ClientSampleId :
BG4A4

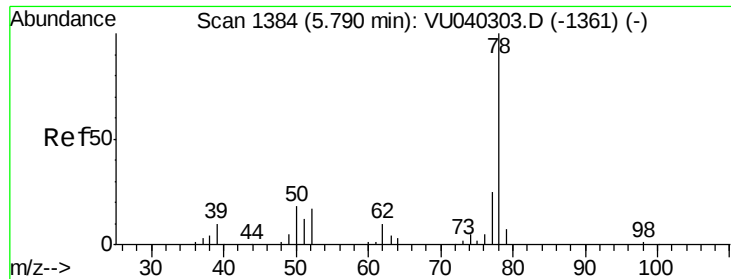
Tot Ion: 83 Resp: 13611
Ion Ratio Lower Upper
83 100
85 66.1 45.3 84.1



#30
Cyclohexane
Concen: 0.539 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

Tgt Ion: 56 Resp: 9946
Ion Ratio Lower Upper
56 100
69 34.1 24.1 36.1
84 83.6 65.0 97.4





#33

Benzene

Concen: 73.145 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040315.D

Acq: 25 Sep 2020 21:20

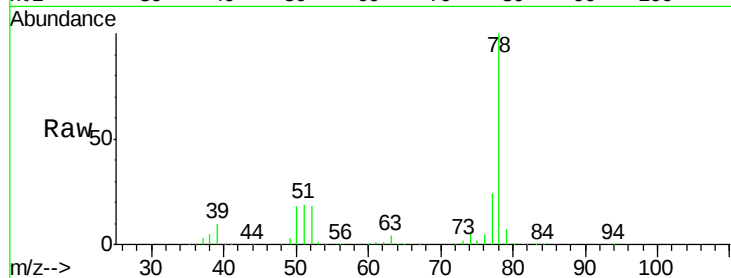
Instrument :

MSVOA_U

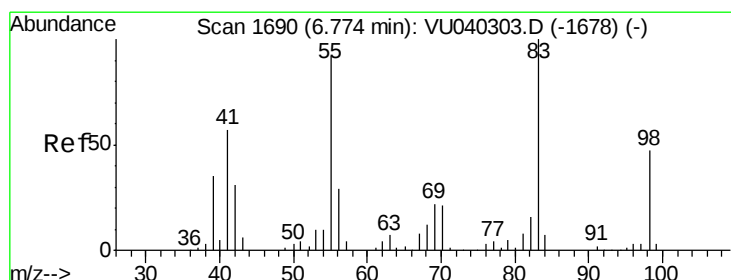
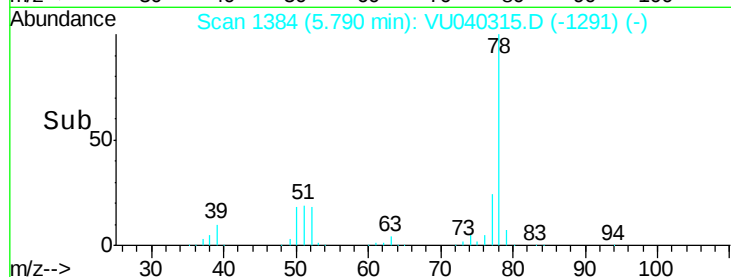
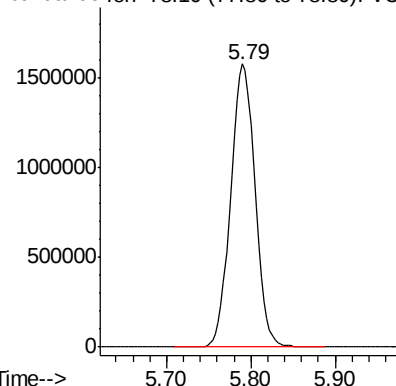
ClientSampled :

BG4A4

Tgt Ion: 78 Resp: 3173394



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.425 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040315.D

Acq: 25 Sep 2020 21:20

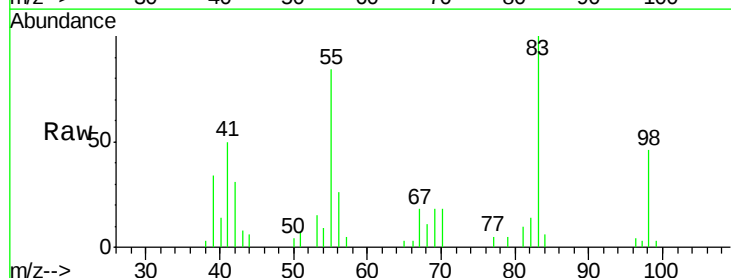
Tgt Ion: 83 Resp: 7580

Ion Ratio Lower Upper

83 100

55 107.8 70.5 105.7#

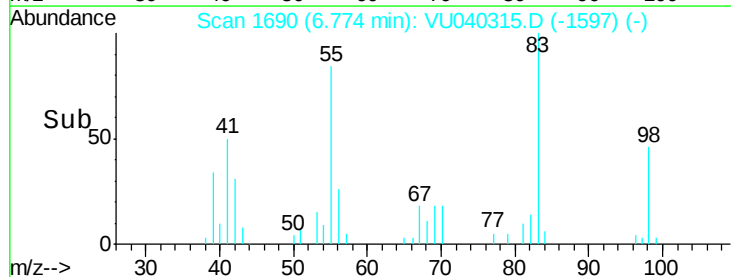
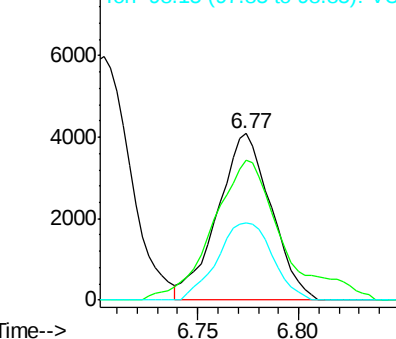
98 47.8 37.8 56.6

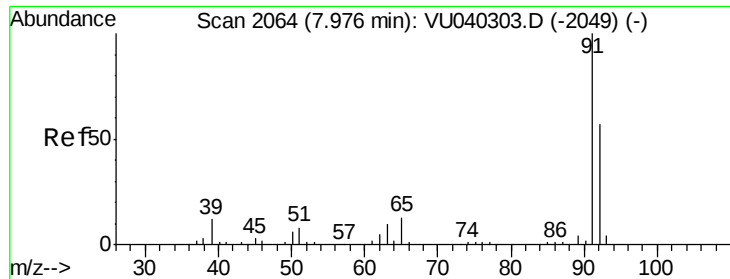


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.185 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040315.D

Acq: 25 Sep 2020 21:20

Instrument :

MSVOA_U

ClientSampleId :

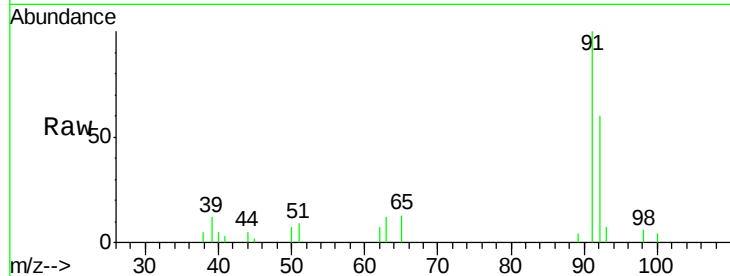
BG4A4

Tot Ion: 91 Resp: 8282

Ion Ratio Lower Upper

91 100

92 60.3 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040315.D (-2429) (-)

Ion 92.15 (91.85 to 92.85): VU040315.D (-2429) (-)

7.98

6000

5000

4000

3000

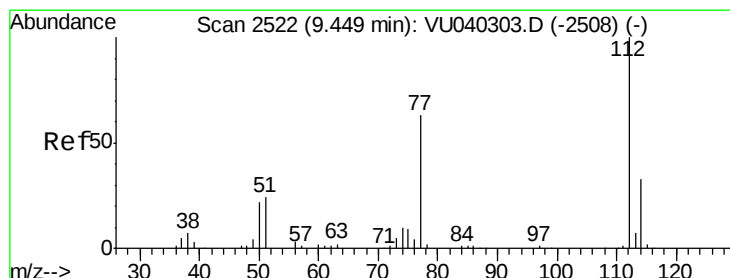
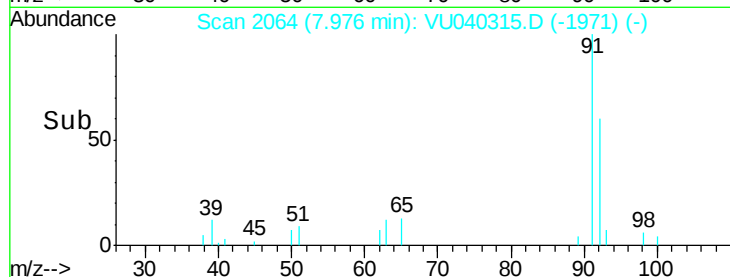
2000

1000

0

7.95 8.00

Time-->



#51

Chlorobenzene

Concen: 9.984 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040315.D

Acq: 25 Sep 2020 21:20

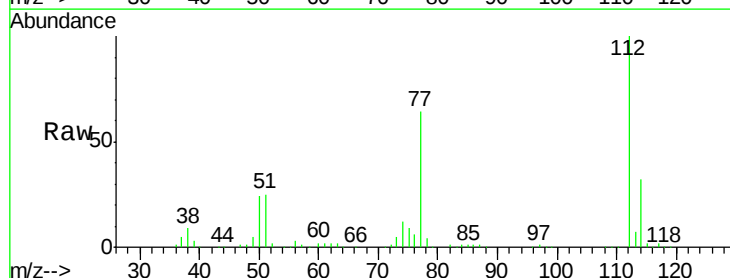
Tgt Ion: 112 Resp: 276960

Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.3

77 64.5 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040315.D (-2429) (-)

Ion 114.05 (113.75 to 114.75): VU040315.D (-2429) (-)

Ion 77.10 (76.80 to 77.80): VU040315.D (-2429) (-)

9.45

200000

150000

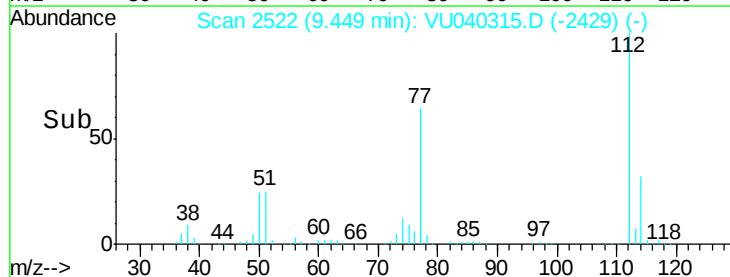
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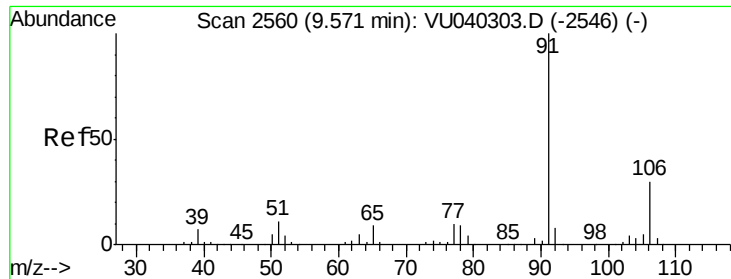
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0

9.35 9.40 9.45 9.50 9.55

Time-->

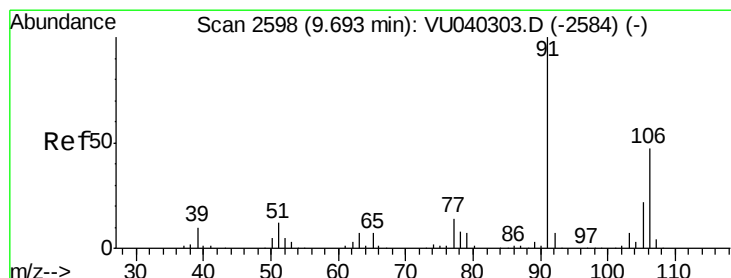
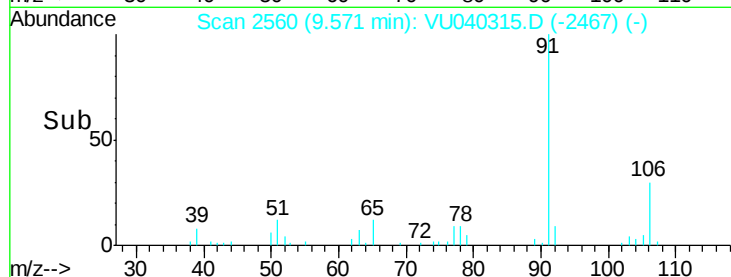
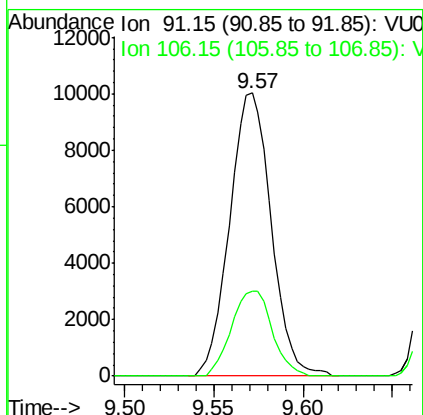
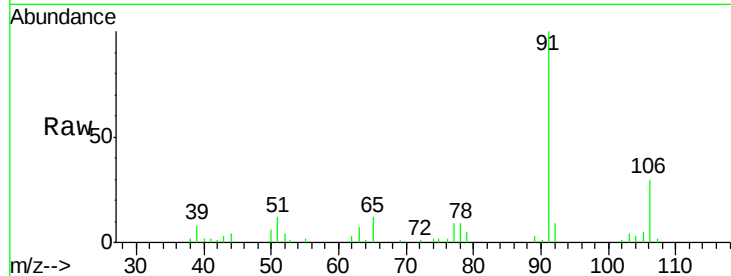




#52
Ethylbenzene
Concen: 0.321 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

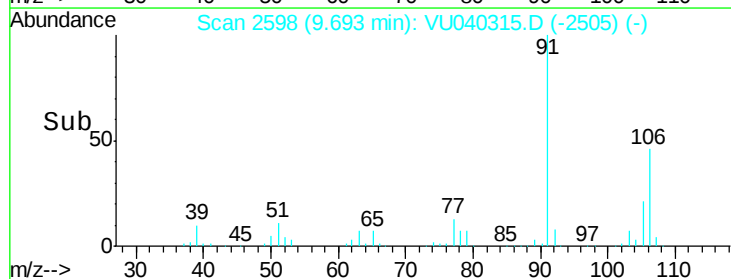
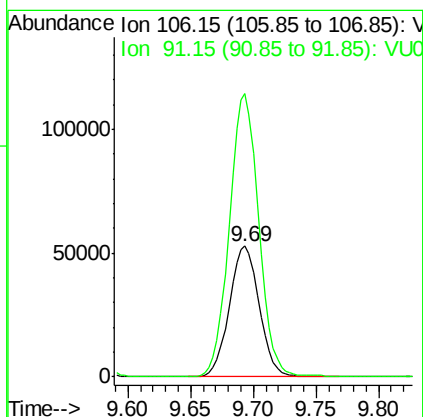
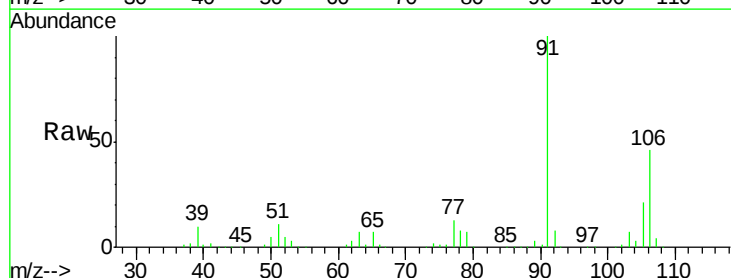
Instrument :
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ClientSampleID :
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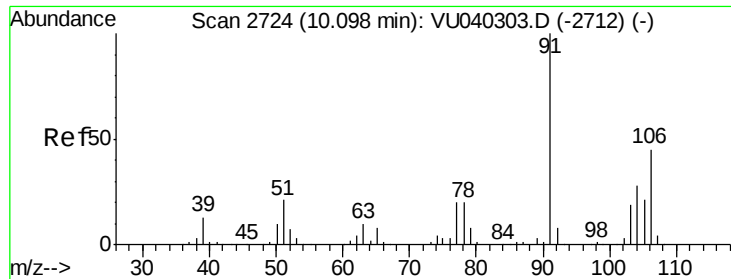
Tot Ion: 91 Resp: 16283
Ion Ratio Lower Upper
91 100
106 30.1 21.0 39.0



#53
m,p-Xylene
Concen: 4.863 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

Tgt Ion: 106 Resp: 87901
Ion Ratio Lower Upper
106 100
91 216.8 151.7 281.7

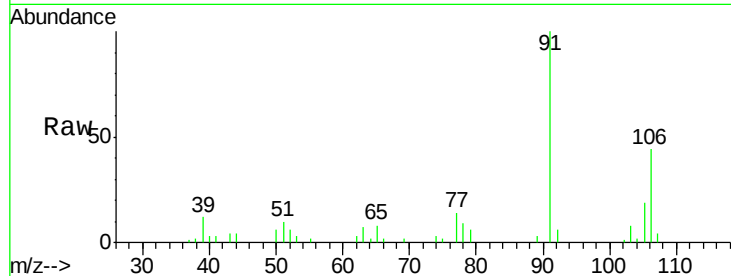




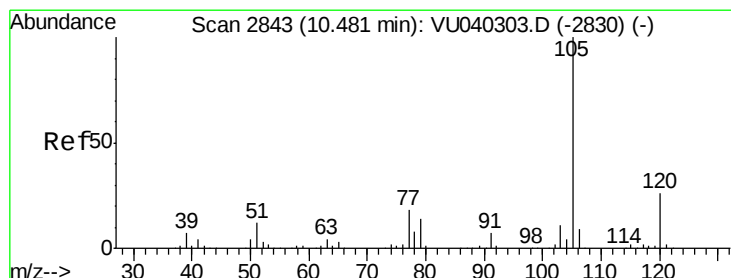
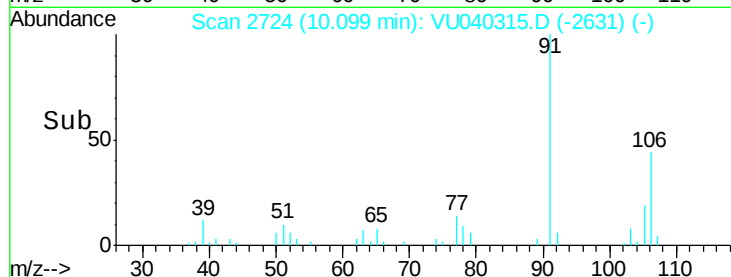
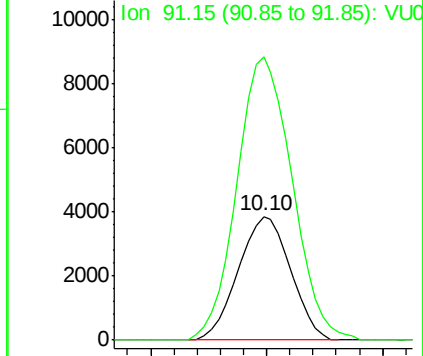
#54
o-Xylene
Concen: 0.349 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

Instrument :
MSVOA_U
ClientSampleId :
BG4A4

Tot Ion:106 Resp: 6018
Ion Ratio Lower Upper
106 100
91 228.6 160.8 298.6

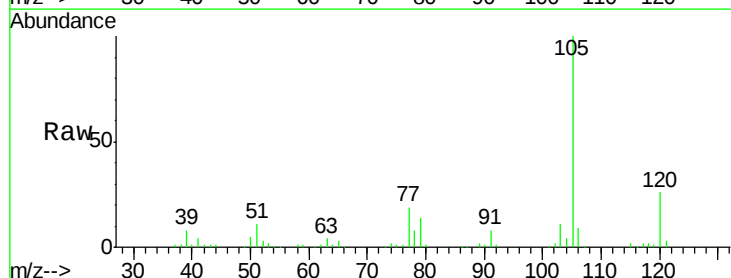


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

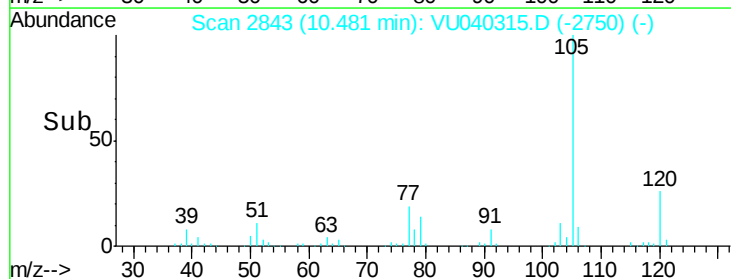
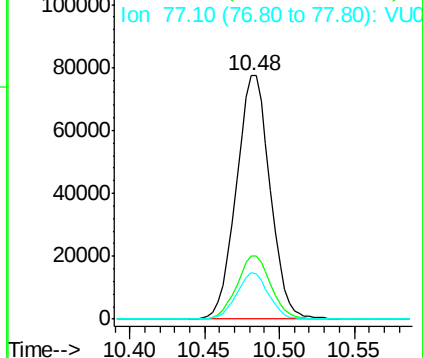


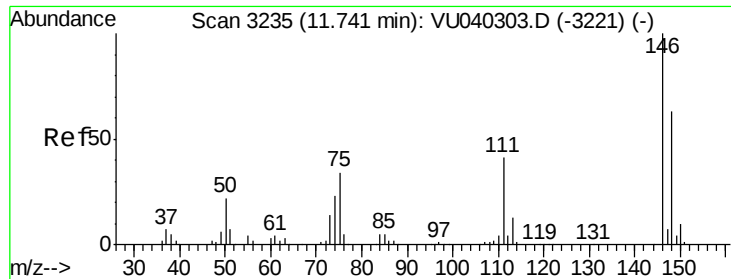
#56
Isopropylbenzene
Concen: 2.586 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU040315.D
Acq: 25 Sep 2020 21:20

Tgt Ion:105 Resp: 121477
Ion Ratio Lower Upper
105 100
120 26.2 20.1 30.1
77 18.0 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): VU0

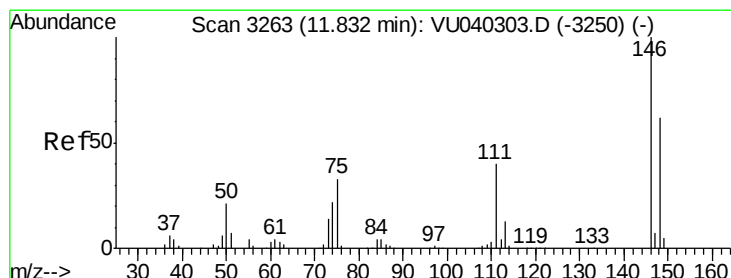
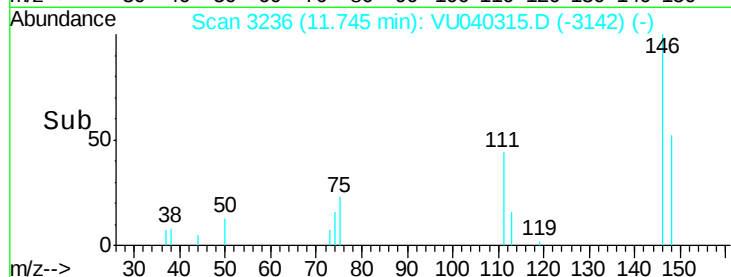
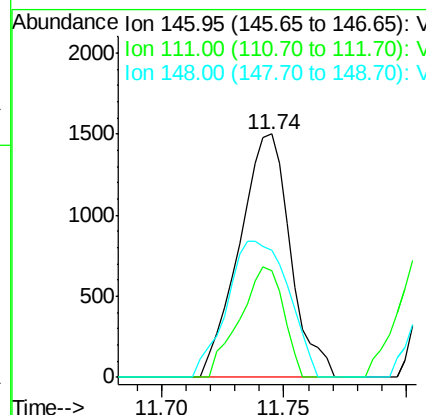
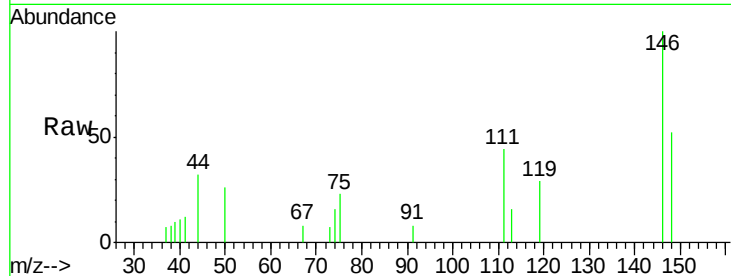




#62
 1,3-Dichlorobenzene
 Concen: 0.097 ug/L
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU040315.D
 Acq: 25 Sep 2020 21:20

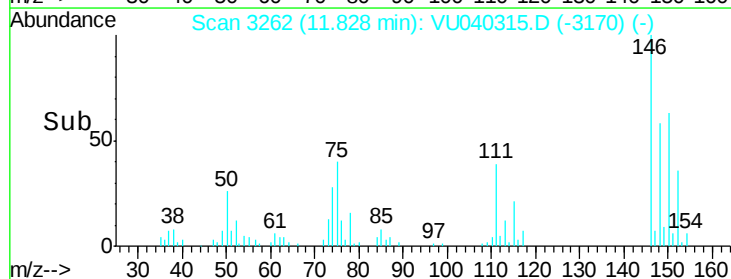
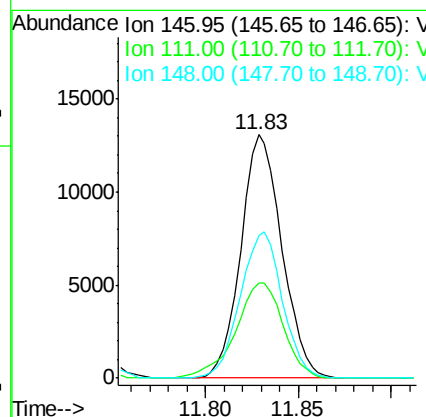
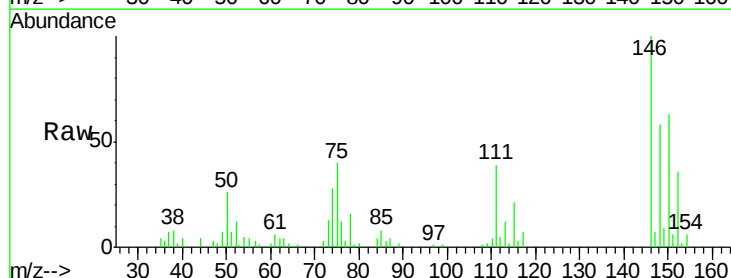
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A4

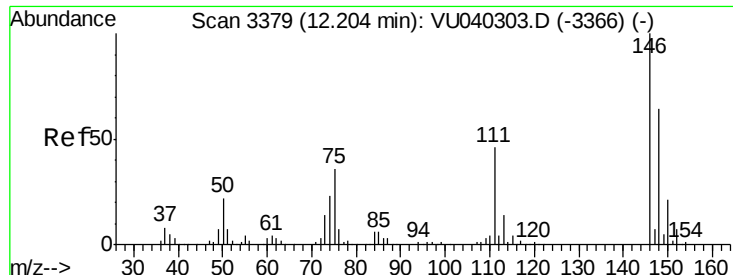
Tot Ion:146 Resp: 2182
 Ion Ratio Lower Upper
 146 100
 111 44.1 31.6 58.8
 148 52.1 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 0.884 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040315.D
 Acq: 25 Sep 2020 21:20

Tgt Ion:146 Resp: 20024
 Ion Ratio Lower Upper
 146 100
 111 39.3 30.5 56.7
 148 58.4 45.4 84.4





#65
 1,2-Dichlorobenzene
 Concen: 1.536 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040315.D
 Acq: 25 Sep 2020 21:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A4

Tot Ion:146 Resp: 33270
 Ion Ratio Lower Upper
 146 100
 111 45.9 36.5 54.7
 148 62.2 48.6 72.8

