

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040322.D
 Acq On : 26 Sep 2020 00:02
 Operator : SY/MD
 Sample : L4139-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A3

Quant Time: Sep 26 08:04:09 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	155393	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	149462	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73242	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35587	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.92	69	34913	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.58	63	60827	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.66	46	193016	56.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.76%
24) Chloroform-d	5.08	84	83882	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.72	65	52253	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.74	84	158718	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.70	67	54246	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	131644	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.19	79	20020	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.64	63	135959	54.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48677	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55030	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.81	76	2519	0.065	ug/L	99
17) Methyl tert-butyl Ether	3.39	73	23456	0.647	ug/L #	90
25) Chloroform	5.11	83	3784	0.139	ug/L	91
30) Cyclohexane	5.41	56	2770	0.122	ug/L	92
33) Benzene	5.79	78	1042496	19.497	ug/L	100
35) Methylcyclohexane	6.77	83	2253	0.103	ug/L #	93
42) Toluene	7.98	91	22549	0.410	ug/L	100
51) Chlorobenzene	9.45	112	354395	10.366	ug/L	98
52) Ethylbenzene	9.57	91	101757	1.626	ug/L	98
53) m,p-Xylene	9.69	106	203372	9.130	ug/L	97
54) o-Xylene	10.10	106	108826	5.127	ug/L	96
56) Isopropylbenzene	10.48	105	52704	0.910	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	2044	0.076	ug/L #	82
63) 1,4-Dichlorobenzene	11.83	146	11260	0.416	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	6750	0.261	ug/L	98

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

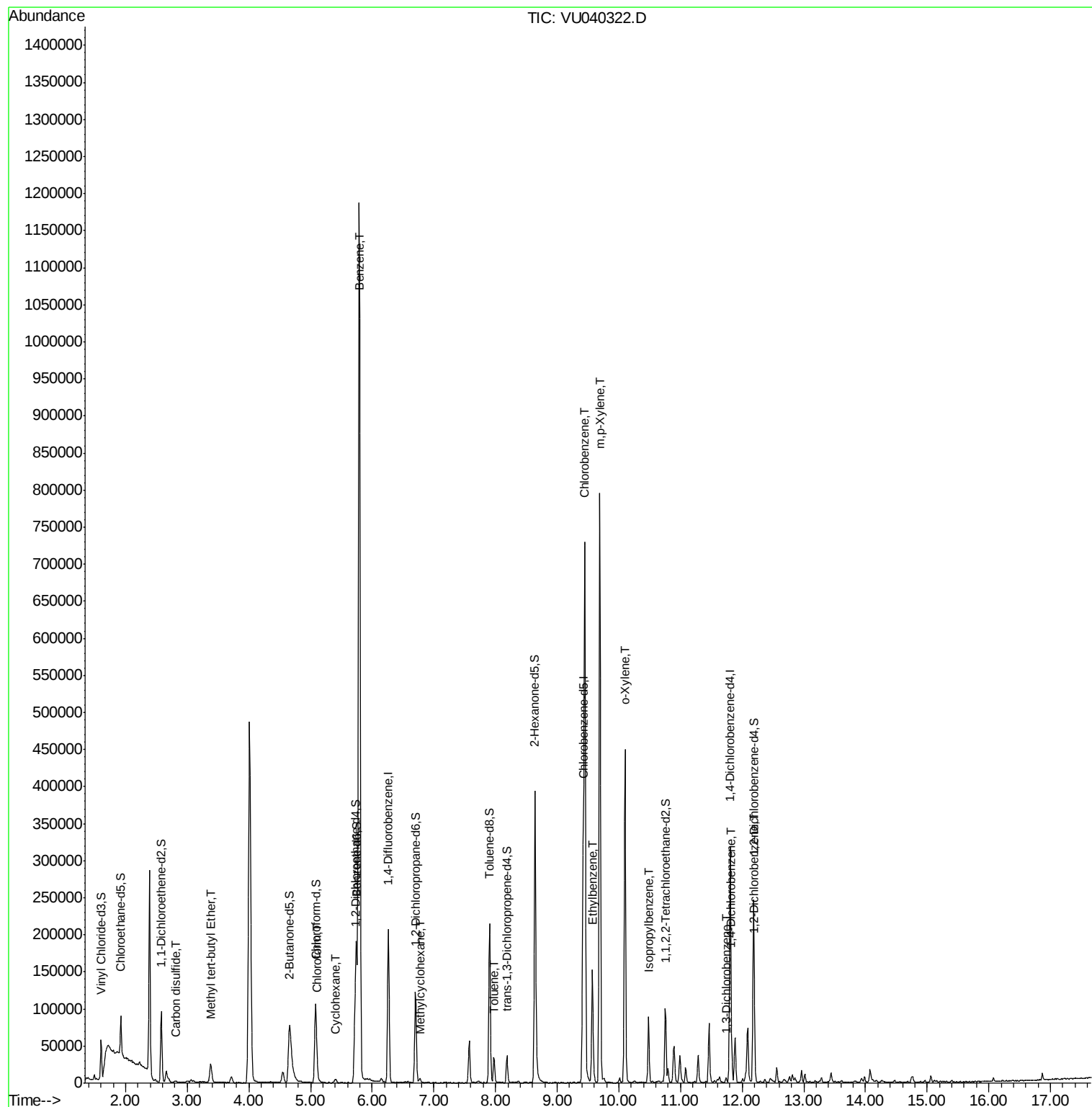
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

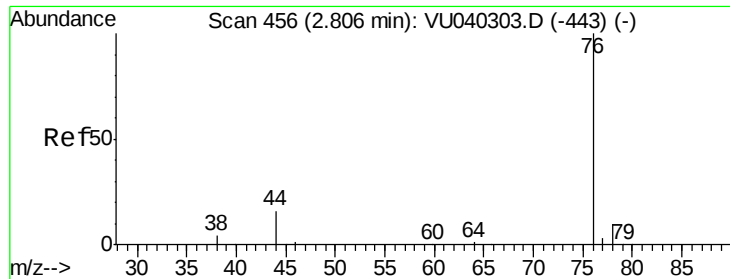
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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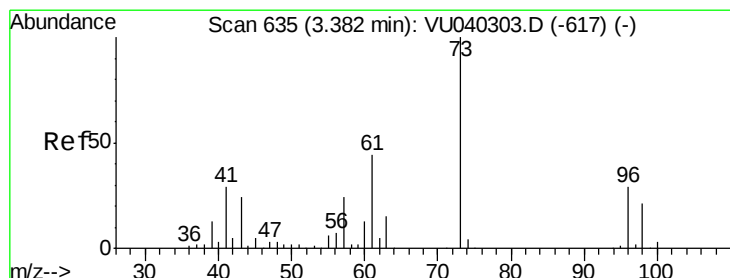
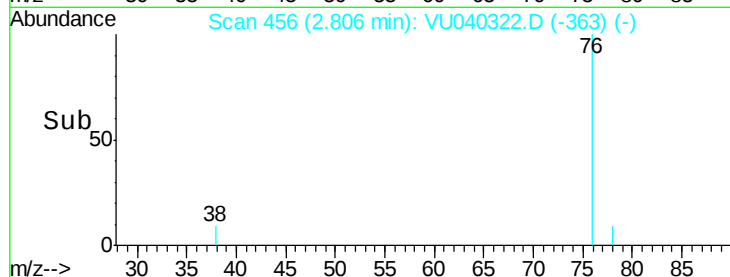
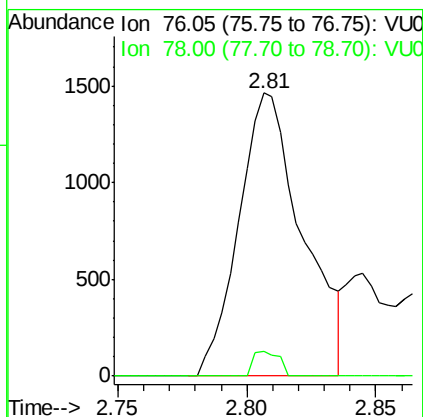
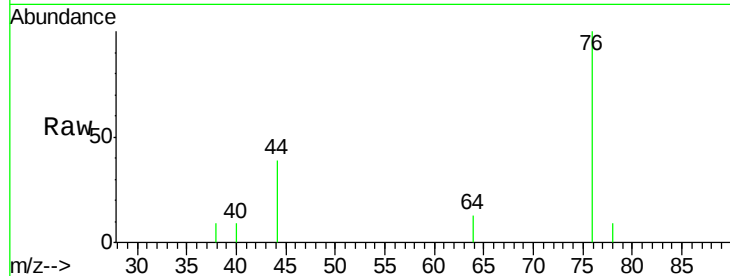




#14
Carbon disulfide
Concen: 0.065 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

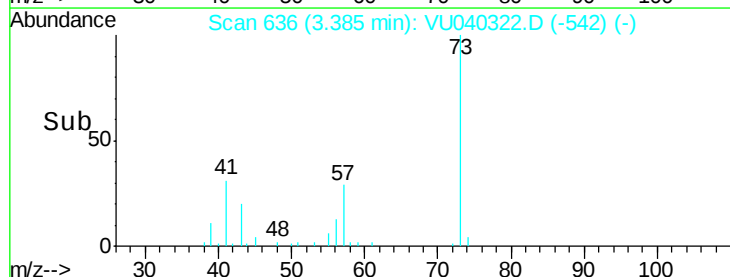
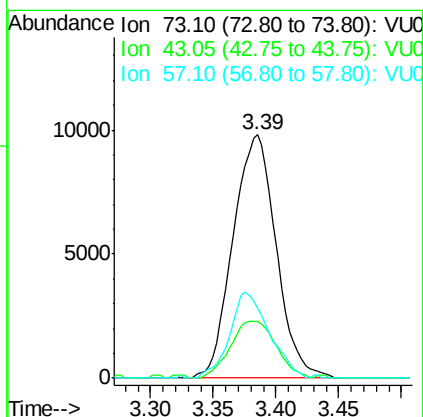
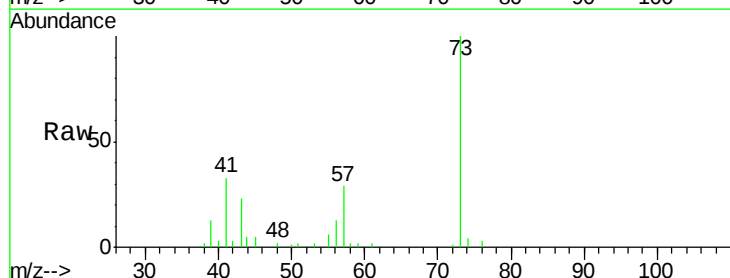
Instrument :
MSVOA_U
ClientSampleId :
BG4A3

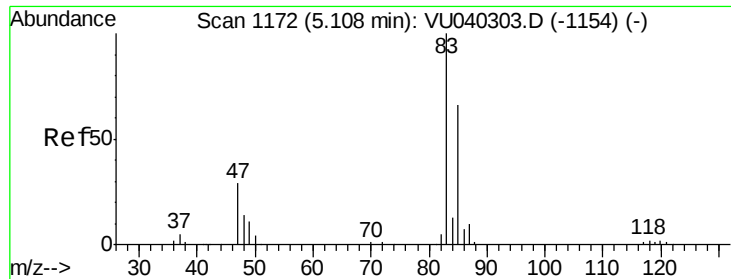
Tot Ion: 76 Resp: 2519
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#17
Methyl tert-butyl Ether
Concen: 0.647 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

Tgt Ion: 73 Resp: 23456
Ion Ratio Lower Upper
73 100
43 24.7 19.1 28.7
57 32.2 18.3 27.5#

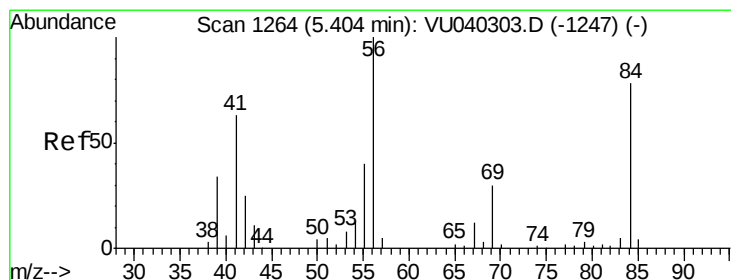
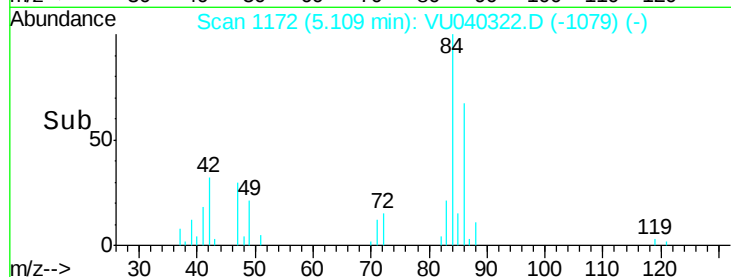
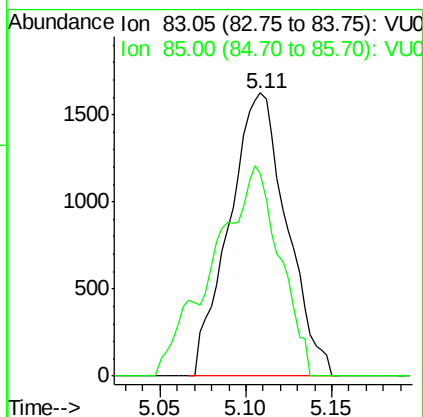
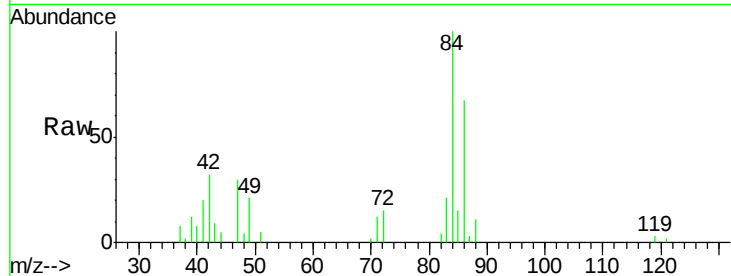




#25
Chloroform
Concen: 0.139 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

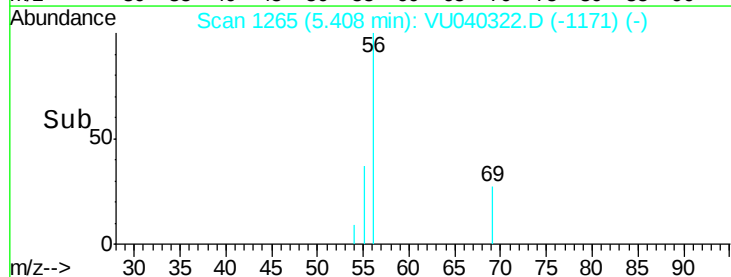
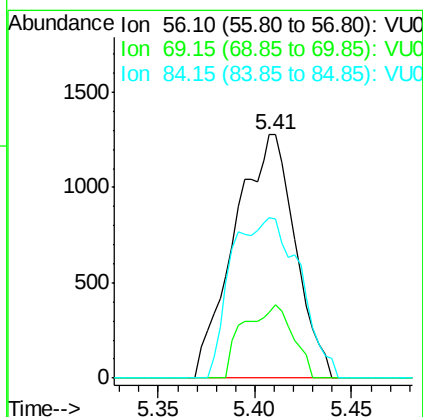
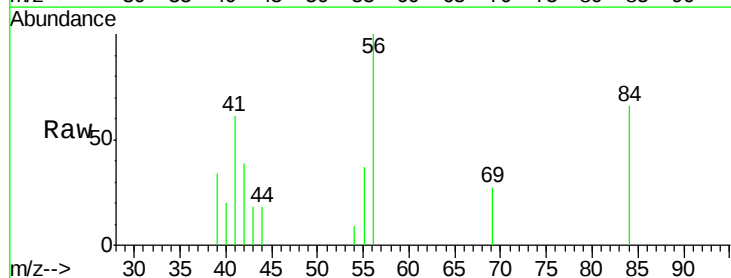
Instrument :
MSVOA_U
ClientSampleId :
BG4A3

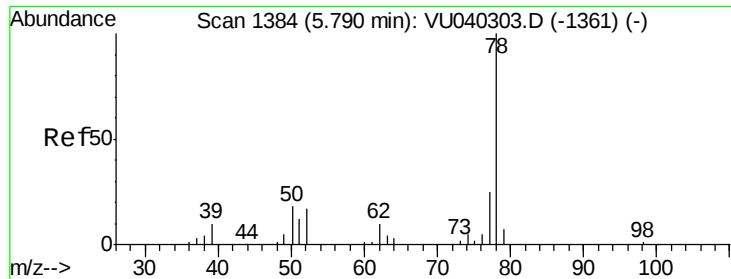
Tot Ion: 83 Resp: 3784
Ion Ratio Lower Upper
83 100
85 71.7 45.3 84.1



#30
Cyclohexane
Concen: 0.122 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

Tgt Ion: 56 Resp: 2770
Ion Ratio Lower Upper
56 100
69 24.5 24.1 36.1
84 75.0 65.0 97.4





#33

Benzene

Concen: 19.497 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

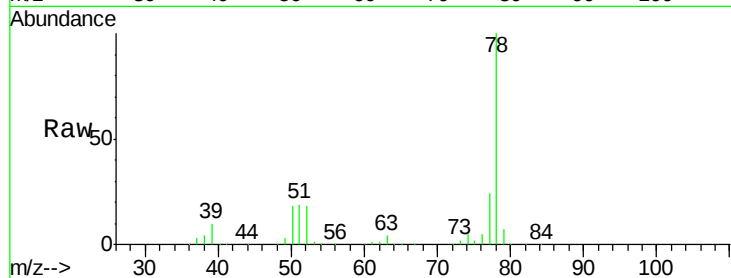
Instrument :

MSVOA_U

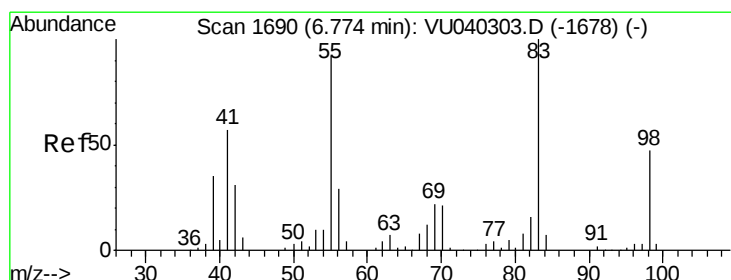
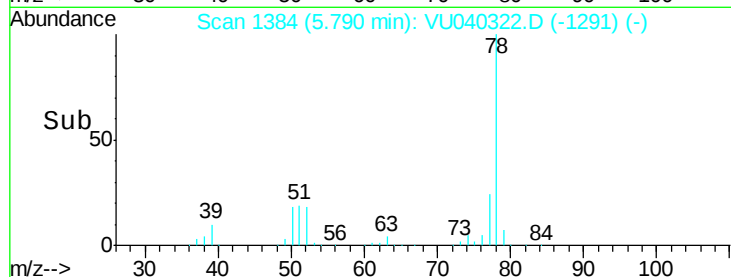
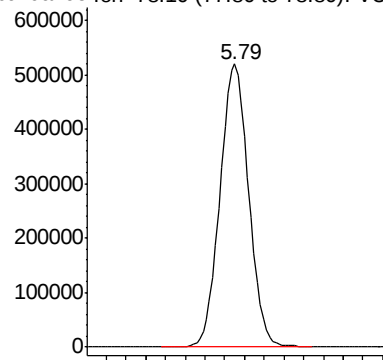
ClientSampleId :

BG4A3

Tgt Ion: 78 Resp: 1042496



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.103 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

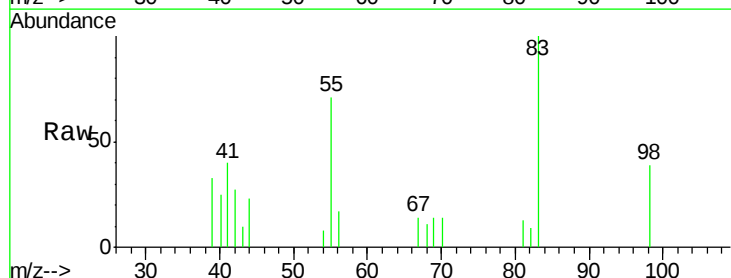
Tgt Ion: 83 Resp: 2253

Ion Ratio Lower Upper

83 100

55 84.9 70.5 105.7

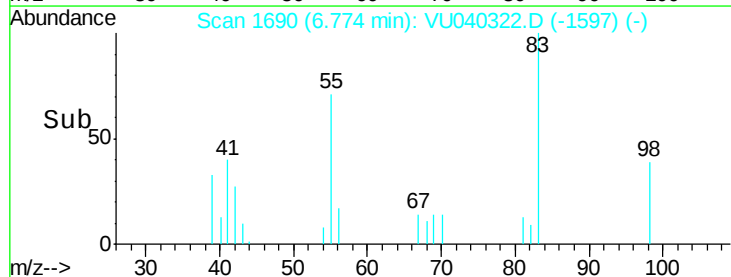
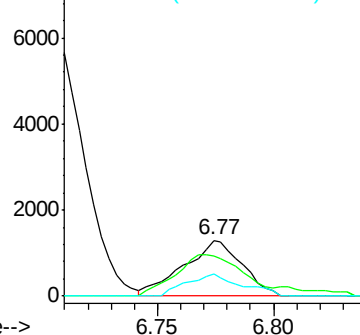
98 37.2 37.8 56.6#

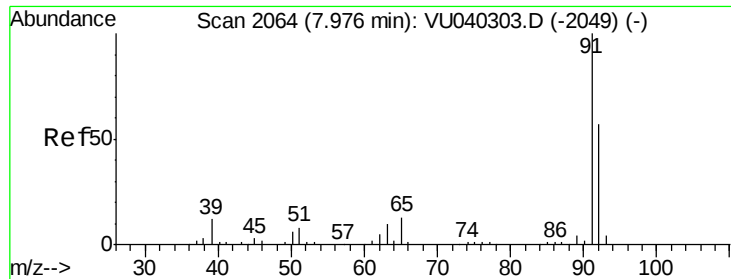


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.410 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

Instrument :

MSVOA_U

ClientSampled :

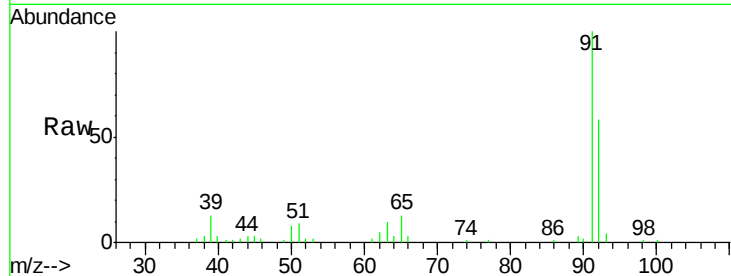
BG4A3

Tot Ion: 91 Resp: 22549

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040303.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040303.D (-2049) (-)

7.98

15000

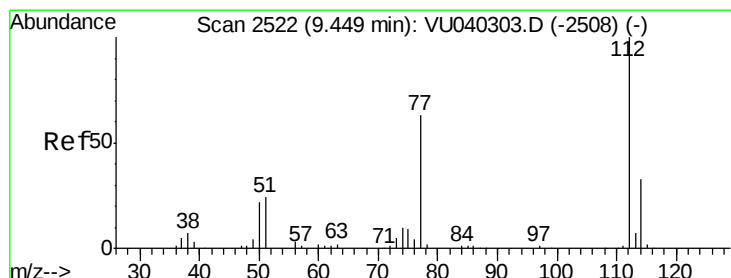
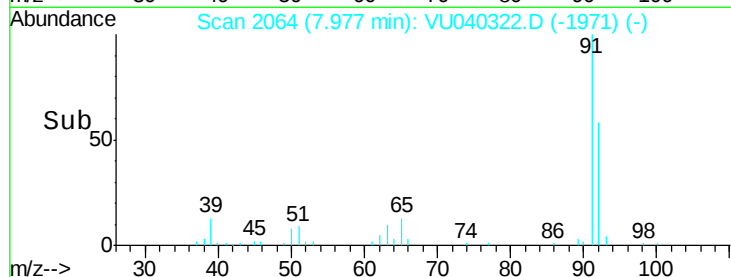
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#51

Chlorobenzene

Concen: 10.366 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

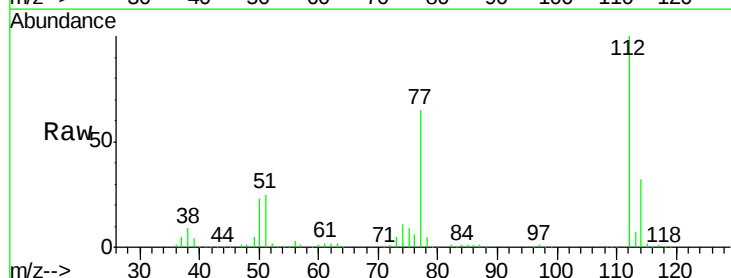
Tgt Ion: 112 Resp: 354395

Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.3

77 64.6 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040303.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU040303.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU040303.D (-2508) (-)

9.45

250000

200000

150000

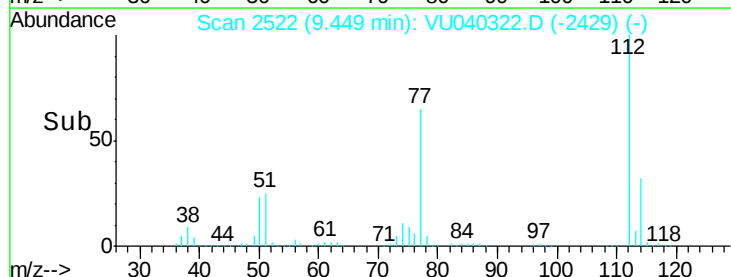
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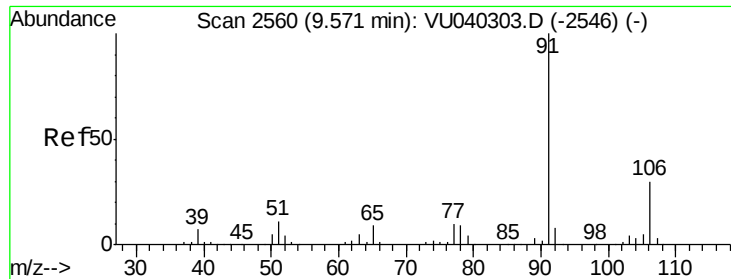
50000

0

Time-->

9.40 9.50 9.60





#52

Ethylbenzene

Concen: 1.626 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

Instrument :

MSVOA_U

ClientSampled :

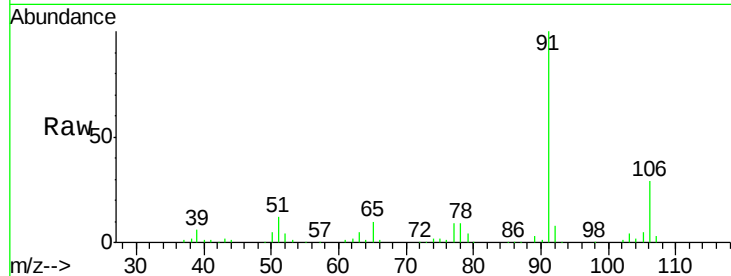
BG4A3

Tot Ion: 91 Resp: 101757

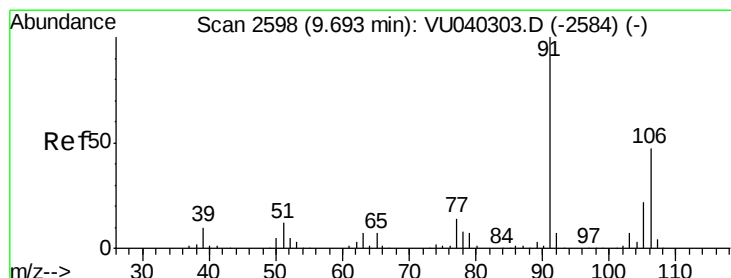
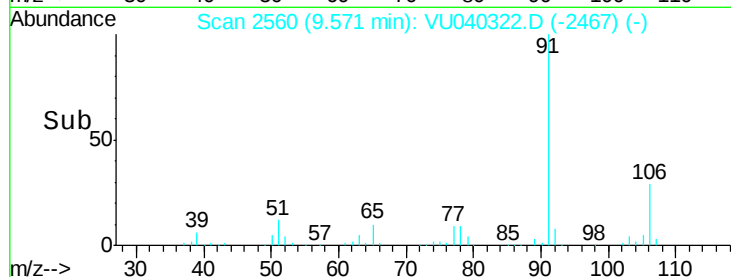
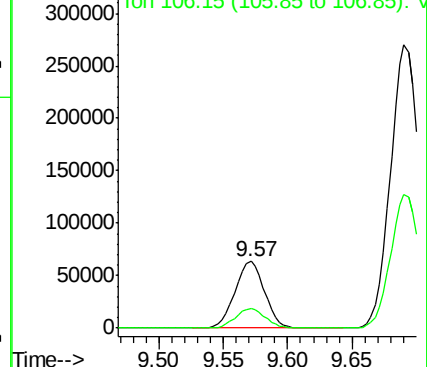
Ion Ratio Lower Upper

91 100

106 29.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040303.D (-2546) (-)



#53

m,p-Xylene

Concen: 9.130 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040322.D

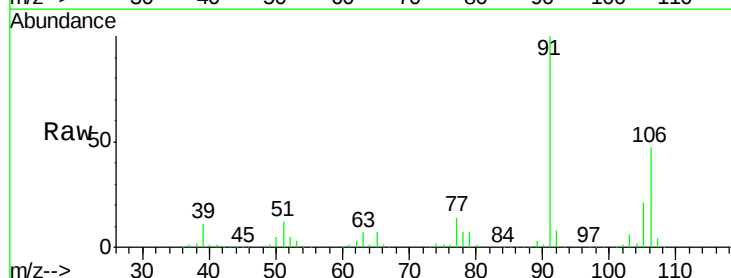
Acq: 26 Sep 2020 00:02

Tgt Ion: 106 Resp: 203372

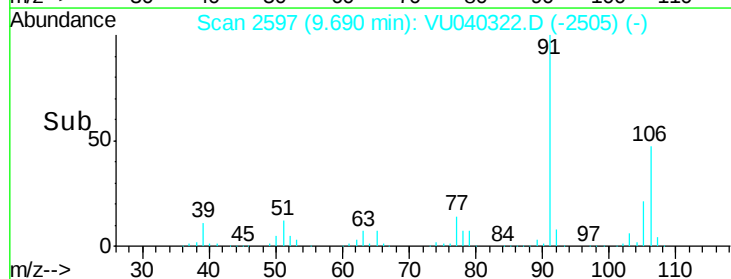
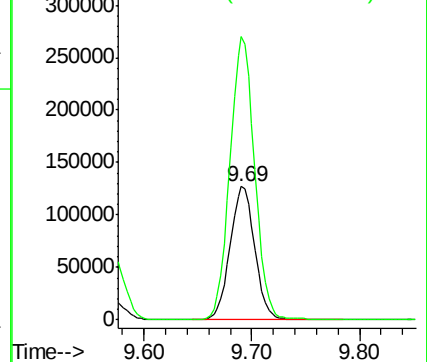
Ion Ratio Lower Upper

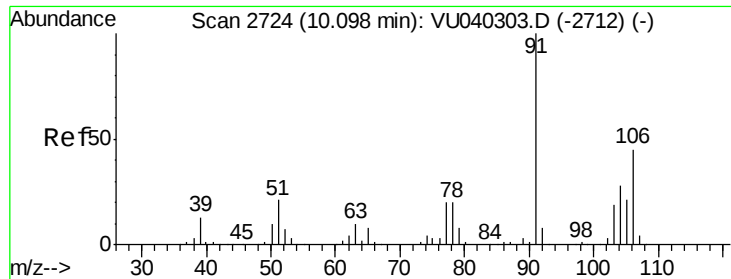
106 100

91 212.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040303.D (-2584) (-)

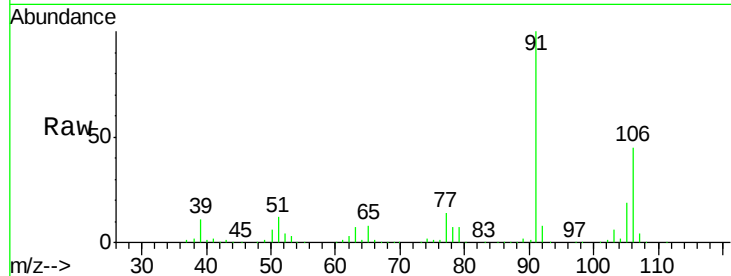




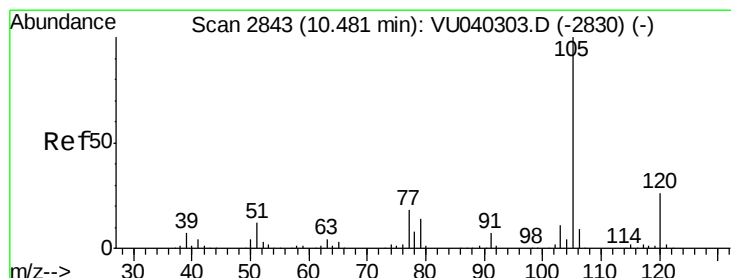
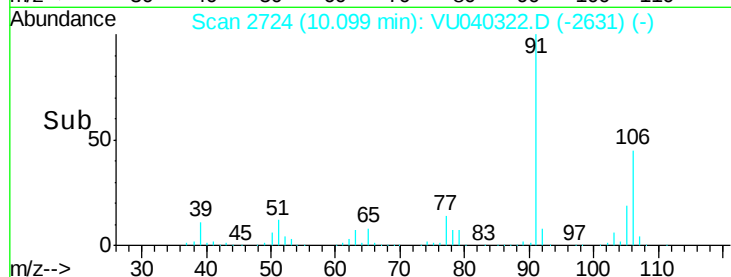
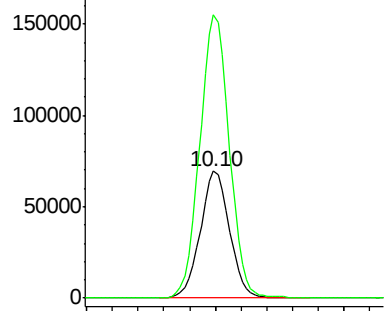
#54
o-Xylene
Concen: 5.127 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

Instrument :
MSVOA_U
ClientSampleId :
BG4A3

Tot Ion:106 Resp: 108826
Ion Ratio Lower Upper
106 100
91 223.5 160.8 298.6

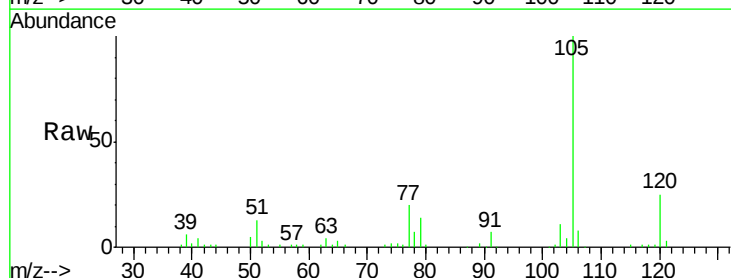


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

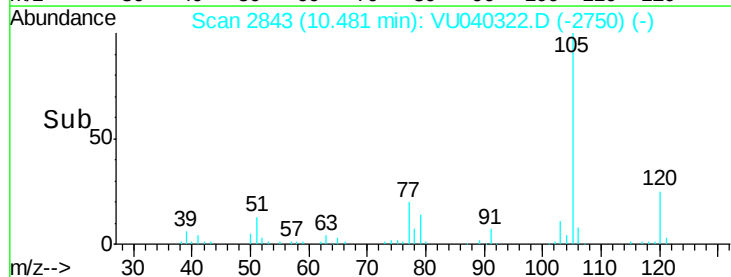
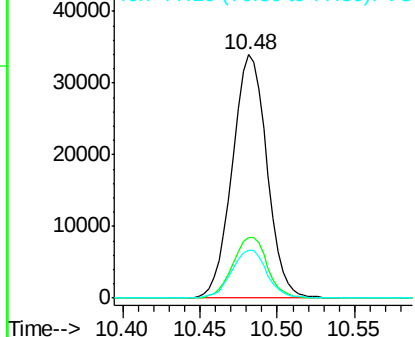


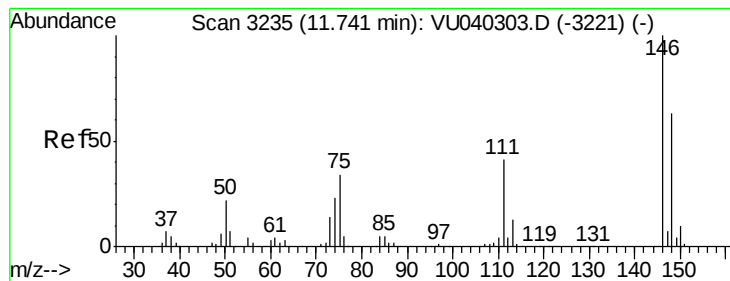
#56
Isopropylbenzene
Concen: 0.910 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU040322.D
Acq: 26 Sep 2020 00:02

Tgt Ion:105 Resp: 52704
Ion Ratio Lower Upper
105 100
120 24.9 20.1 30.1
77 20.1 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: 0.076 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

Instrument :

MSVOA_U

ClientSampleId :

BG4A3

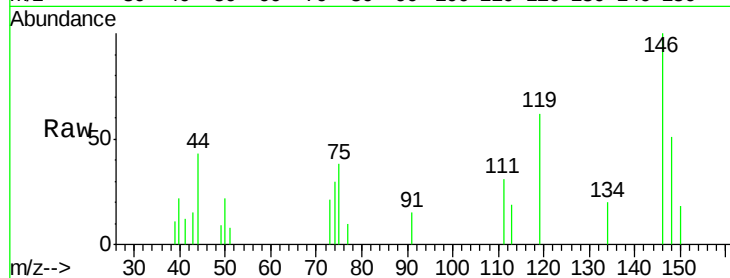
Tot Ion:146 Resp: 2044

Ion Ratio Lower Upper

146 100

111 30.9 31.6 58.8#

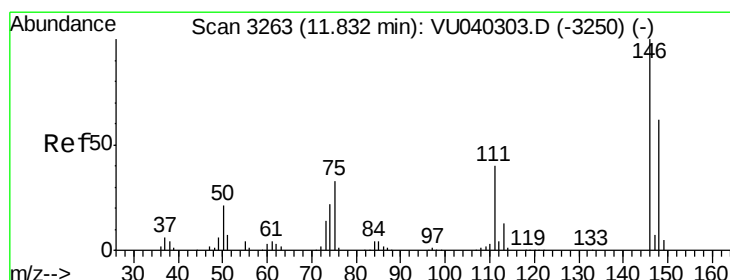
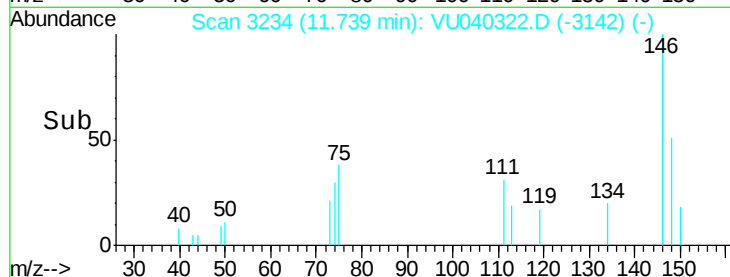
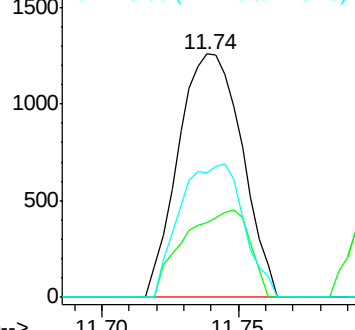
148 51.2 44.2 82.0



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: 0.416 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

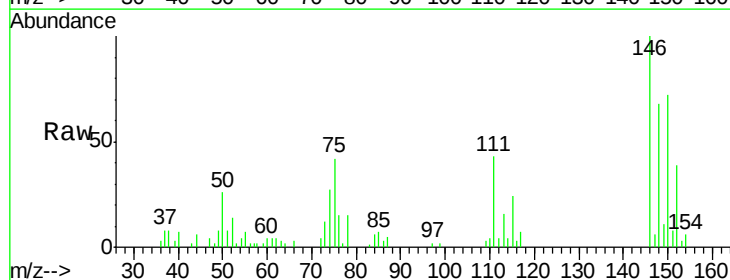
Tgt Ion:146 Resp: 11260

Ion Ratio Lower Upper

146 100

111 43.3 30.5 56.7

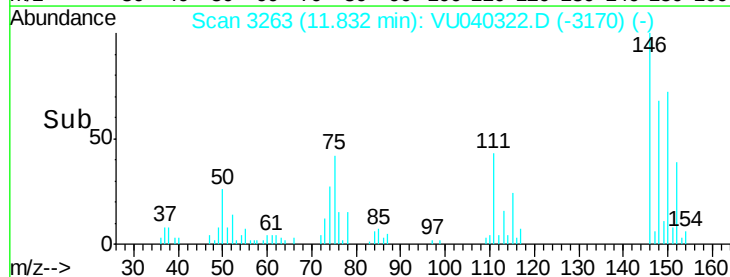
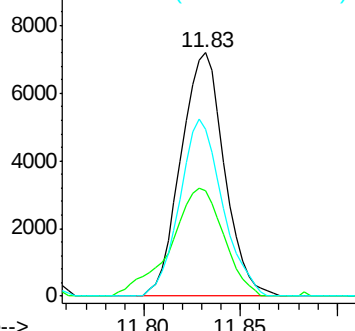
148 68.4 45.4 84.4

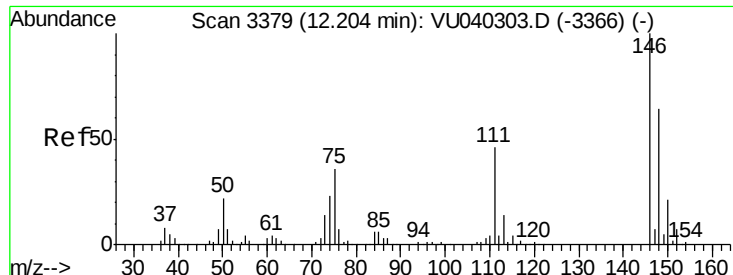


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.261 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040322.D

Acq: 26 Sep 2020 00:02

Instrument :

MSVOA_U

ClientSampleId :

BG4A3

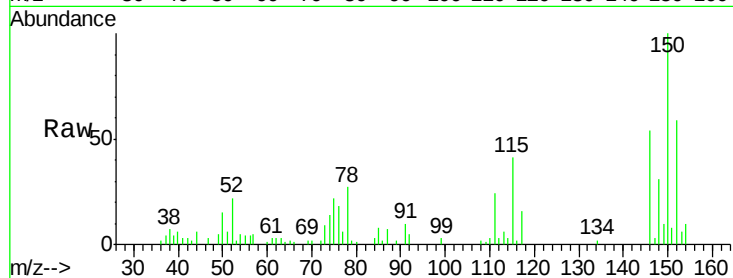
Tot Ion:146 Resp: 6750

Ion Ratio Lower Upper

146 100

111 44.5 36.5 54.7

148 58.4 48.6 72.8



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

