

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040180.D
 Acq On : 17 Sep 2020 14:47
 Operator : SY/MD
 Sample : L4046-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P1

Quant Time: Sep 18 04:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 04:01:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109723	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108169	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28344	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	24990	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	47169	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.65	46	119306	49.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.58%
24) Chloroform-d	5.08	84	60134	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.72	65	42252	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.75	84	118059	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	39274	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.91	98	95635	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.19	79	16303	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	87378	48.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36101	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	41598	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

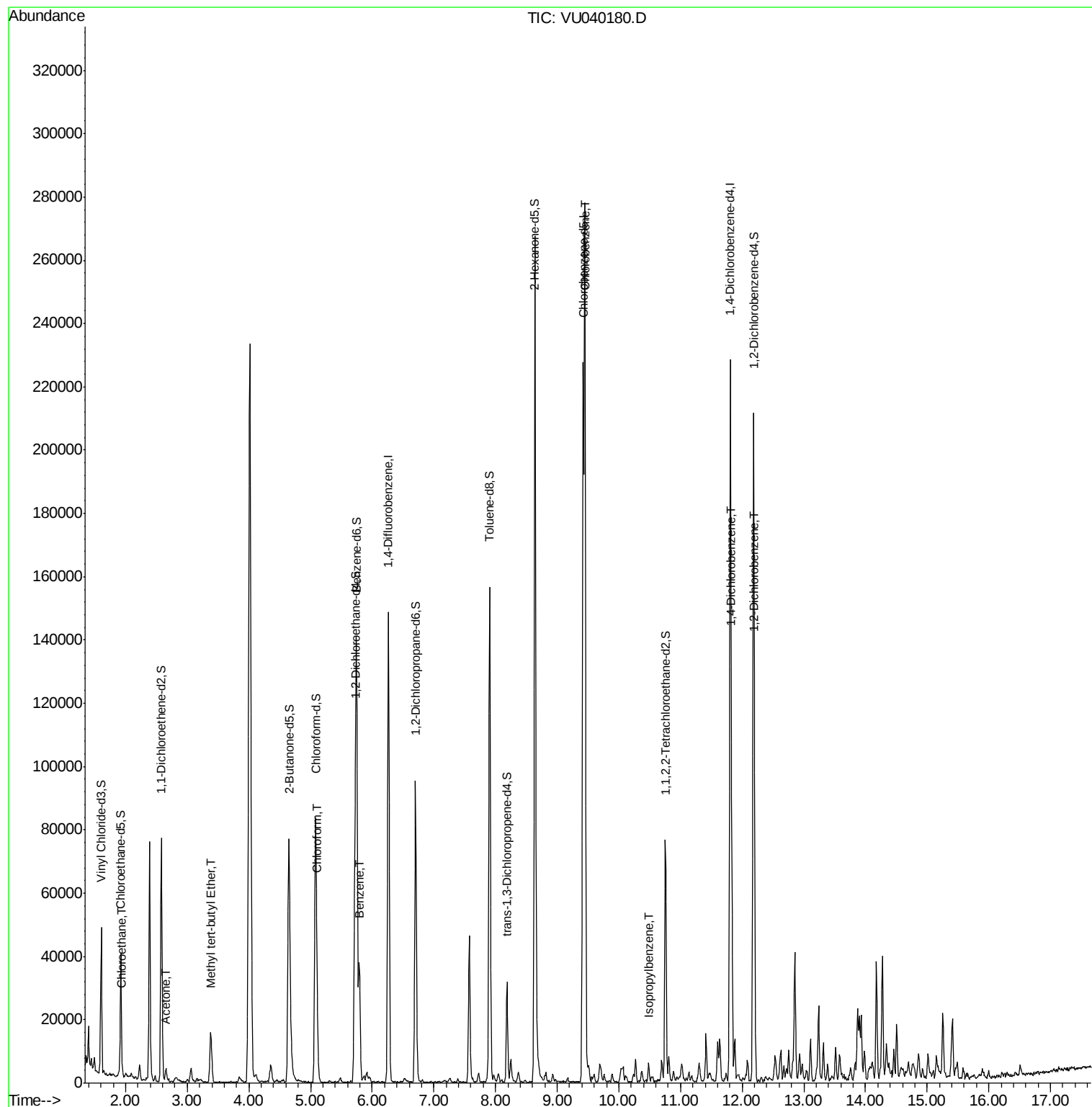
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	1295	0.204	ug/L #	81
13) Acetone	2.65	43	3445	1.553	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	14685	0.574	ug/L #	92
25) Chloroform	5.11	83	8717	0.453	ug/L	100
33) Benzene	5.79	78	33054	0.854	ug/L	100
51) Chlorobenzene	9.45	112	129646	5.240	ug/L	96
56) Isopropylbenzene	10.48	105	3934	0.094	ug/L #	86
63) 1,4-Dichlorobenzene	11.83	146	20743	1.084	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	6844	0.374	ug/L	99

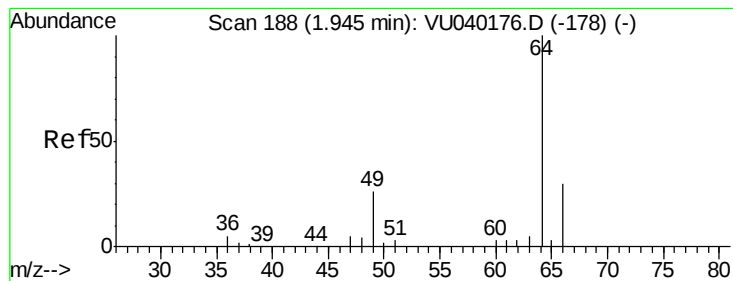
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BG0P1

Quant Time: Sep 18 04:09:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 18 04:01:22 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.204 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampled :

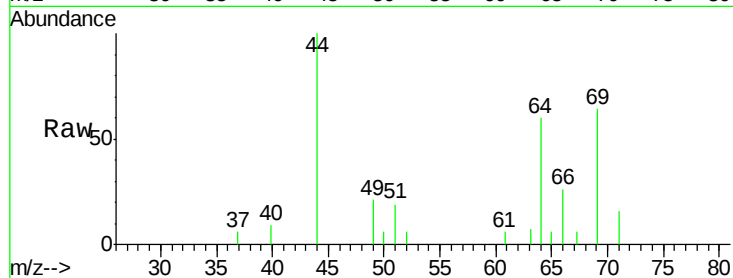
BG0P1

Tot Ion: 64 Resp: 1295

Ion Ratio Lower Upper

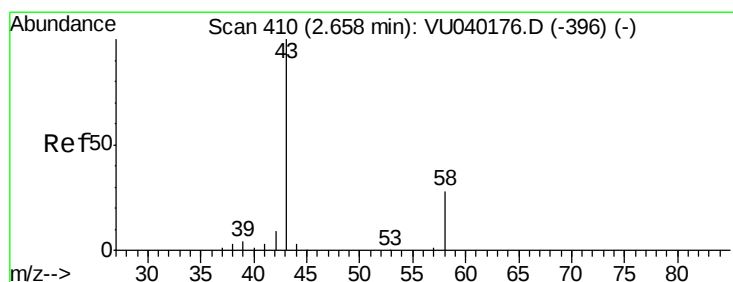
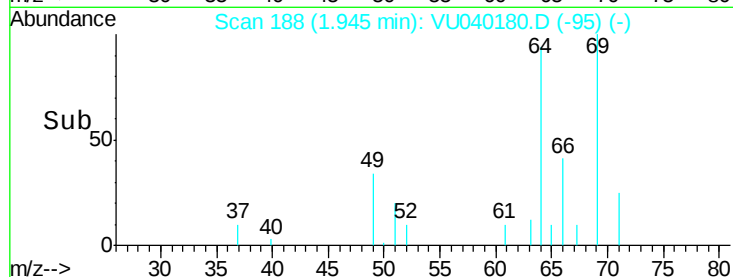
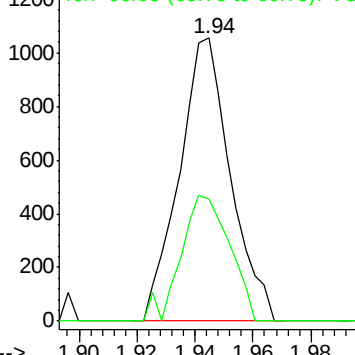
64 100

66 43.2 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 1.553 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU040180.D

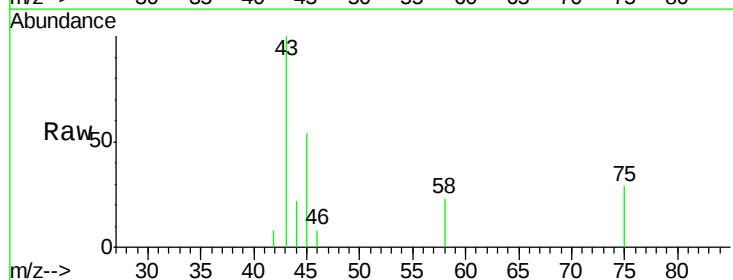
Acq: 17 Sep 2020 14:47

Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

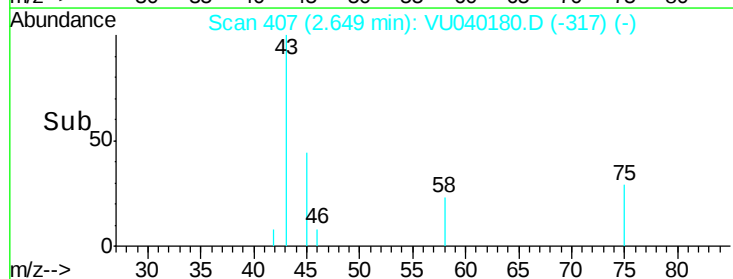
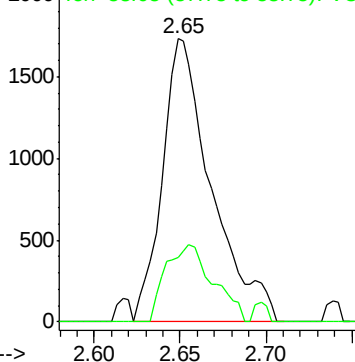
43 100

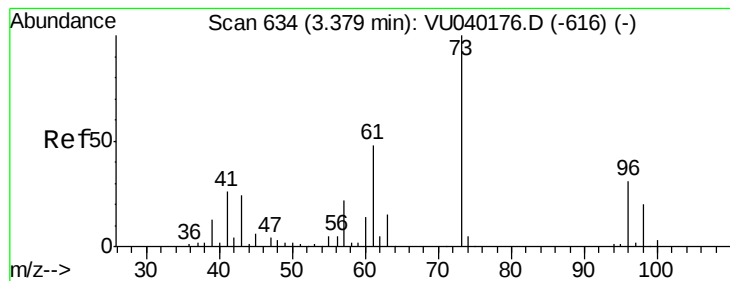
58 26.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



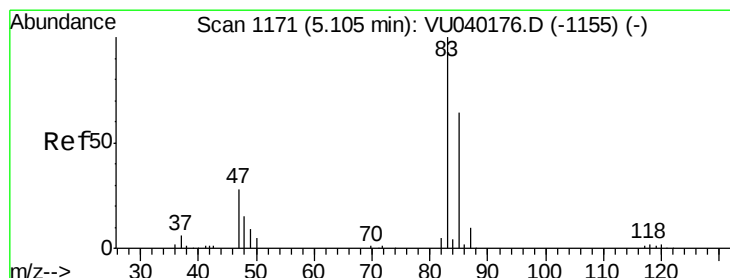
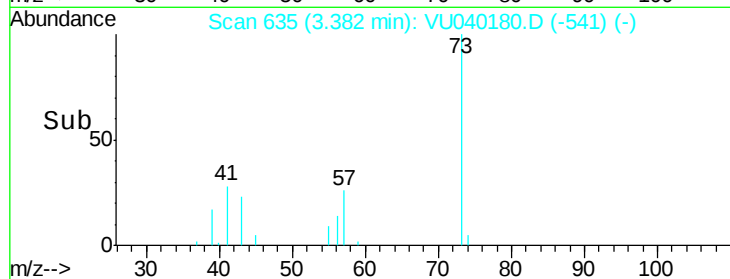
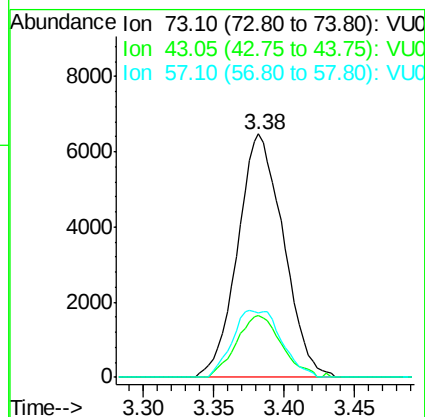
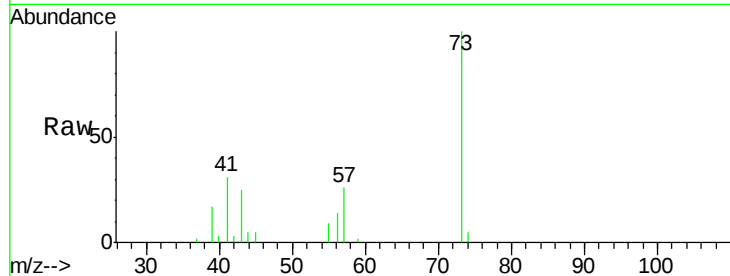


#17

Methvl tert-butvl Ether
 Concen: 0.574 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P1

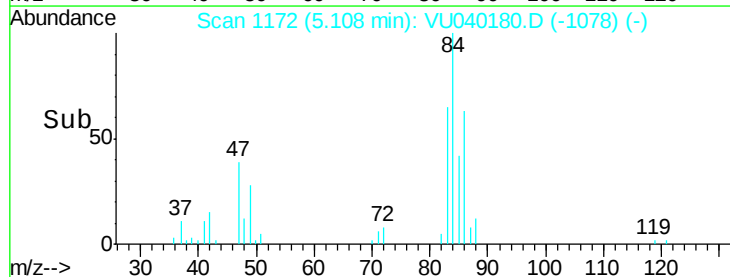
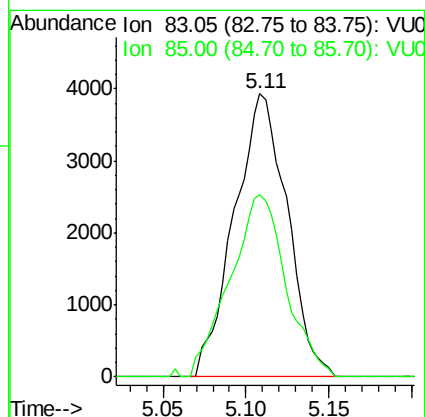
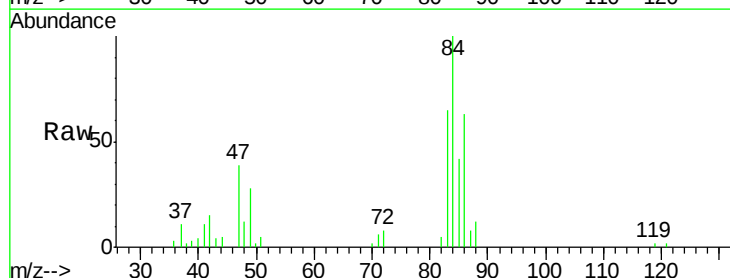
Tot Ion: 73 Resp: 14685
 Ion Ratio Lower Upper
 73 100
 43 24.8 19.1 28.7
 57 29.4 18.3 27.5#

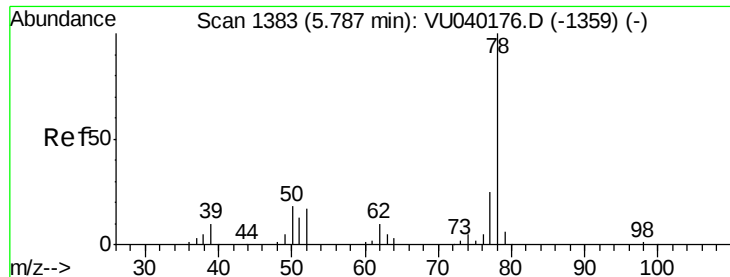


#25

Chloroform
 Concen: 0.453 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

Tgt Ion: 83 Resp: 8717
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.3 84.1





#33

Benzene

Concen: 0.854 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

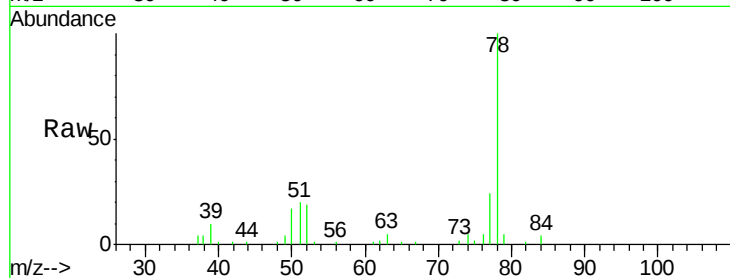
Instrument :

MSVOA_U

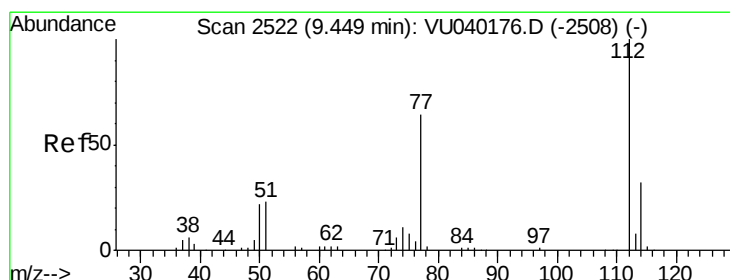
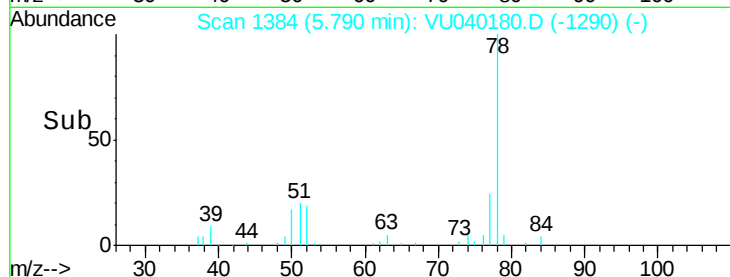
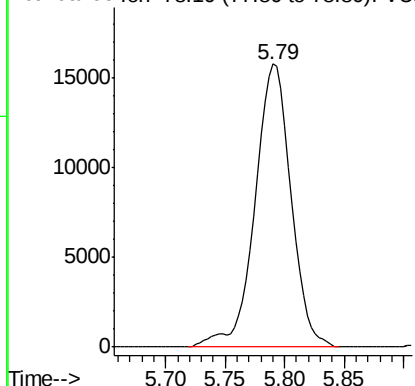
ClientSampleId :

BG0P1

Tgt Ion: 78 Resp: 33054



Abundance Ion 78.10 (77.80 to 78.80): VU0



#51

Chlorobenzene

Concen: 5.240 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

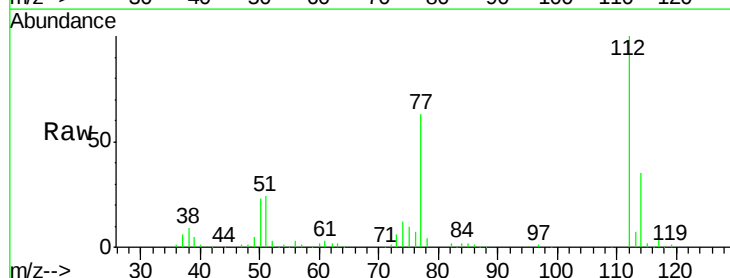
Tgt Ion: 112 Resp: 129646

Ion Ratio Lower Upper

112 100

114 35.0 22.7 42.3

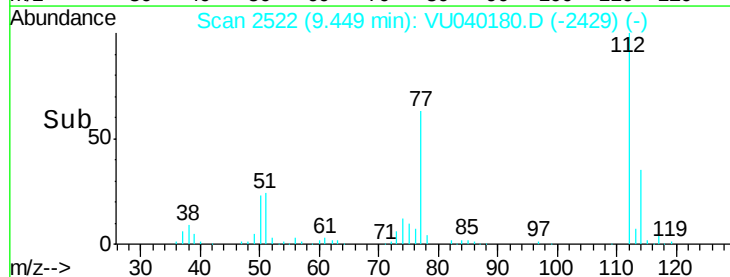
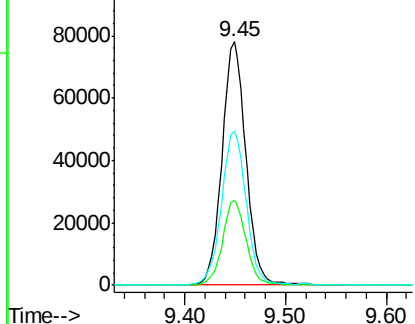
77 63.5 53.2 79.8

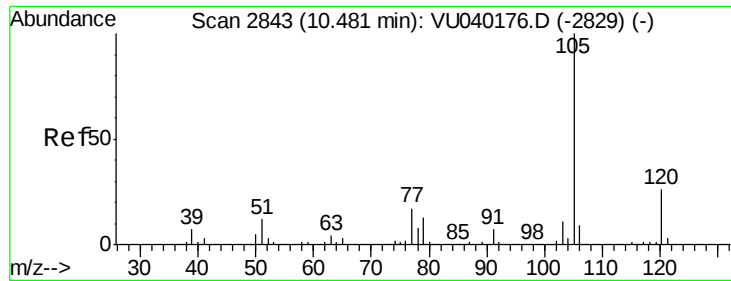


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#56

Isopropylbenzene

Concen: 0.094 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampled :

BG0P1

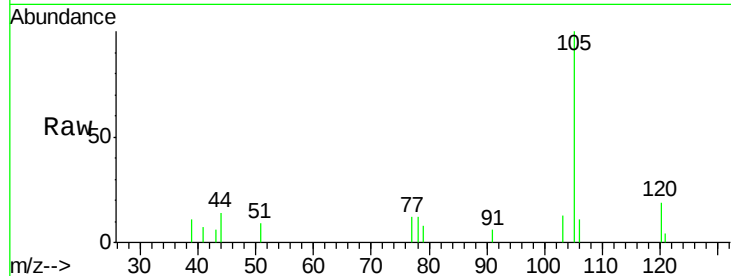
Tot Ion:105 Resp: 3934

Ion Ratio Lower Upper

105 100

120 18.6 20.1 30.1#

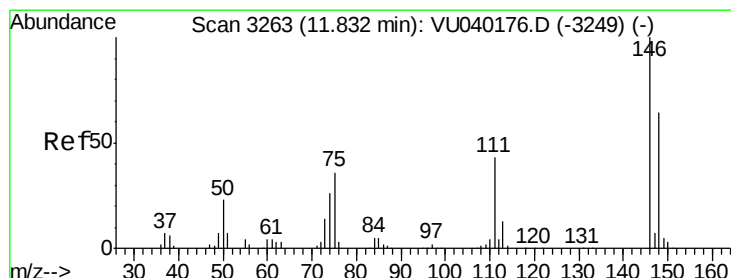
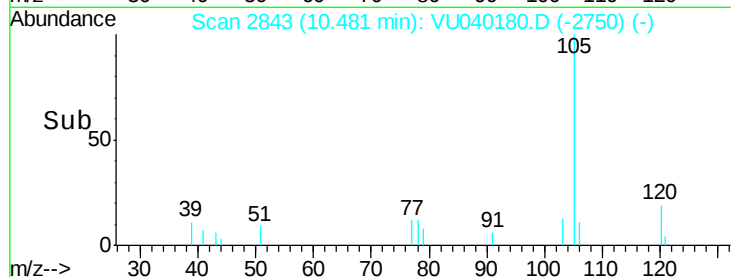
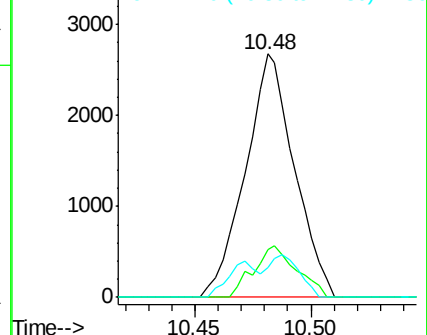
77 11.1 14.4 21.6#



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): V



#63

1,4-Dichlorobenzene

Concen: 1.084 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

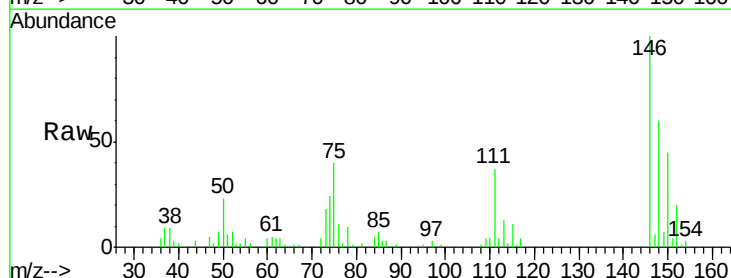
Tgt Ion:146 Resp: 20743

Ion Ratio Lower Upper

146 100

111 36.6 30.5 56.7

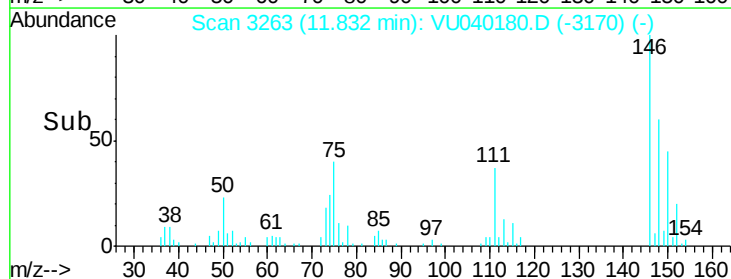
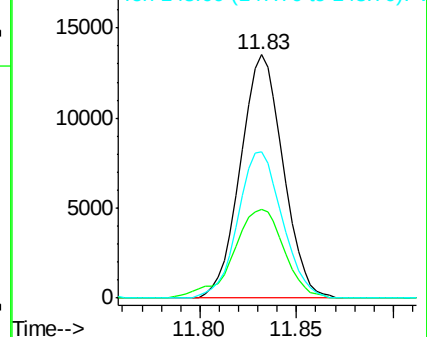
148 59.8 45.4 84.4

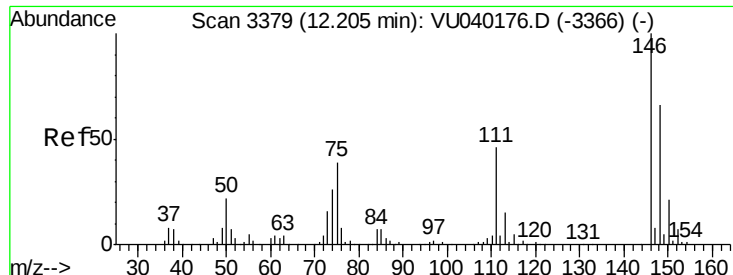


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

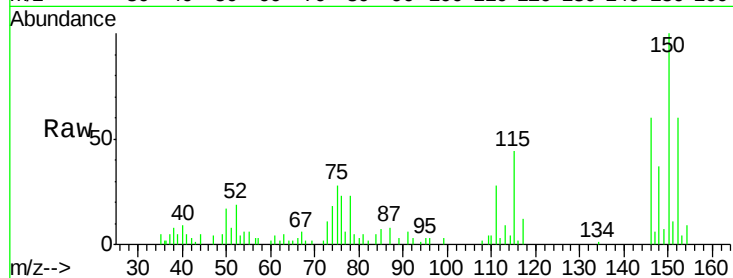




#65
 1,2-Dichlorobenzene
 Concen: 0.374 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P1

Tot Ion:146 Resp: 6844
 Ion Ratio Lower Upper
 146 100
 111 46.3 36.5 54.7
 148 61.9 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

