

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
 Data File : VU040332.D
 Acq On : 28 Sep 2020 15:13
 Operator : SY/MD
 Sample : L4139-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A4DL

Quant Time: Sep 29 07:51:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 07:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133072	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39083	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.92	69	36578	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.40%
11) 1,1-Dichloroethene-d2	2.58	63	63947	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.65	46	174451	57.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.70%
24) Chloroform-d	5.08	84	84402	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	52911	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.75	84	163931	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.70	67	55444	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.91	98	134273	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.19	79	19719	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.64	63	125628	56.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48023	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	55253	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	4758	0.595	ug/L	96
16) Methylene chloride	3.06	84	9363	0.669	ug/L	89
17) Methyl tert-butyl Ether	3.38	73	3402	0.106	ug/L #	1
25) Chloroform	5.11	83	3994	0.165	ug/L	76
30) Cyclohexane	5.40	56	2267	0.112	ug/L	91
33) Benzene	5.79	78	668848	14.050	ug/L	100
35) Methylcyclohexane	6.77	83	1860	0.095	ug/L	93
42) Toluene	7.98	91	2302	0.047	ug/L	94
51) Chlorobenzene	9.45	112	59601	1.958	ug/L	97
52) Ethylbenzene	9.57	91	3988	0.072	ug/L	98
53) m,p-Xylene	9.69	106	17509	0.883	ug/L	95
54) o-Xylene	10.10	106	1425	0.075	ug/L	97
56) Isopropylbenzene	10.48	105	23376	0.454	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	4330	0.179	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	6742	0.291	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040332.D
Acq On : 28 Sep 2020 15:13
Operator : SY/MD
Sample : L4139-03DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

Quant Time: Sep 29 07:51:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration

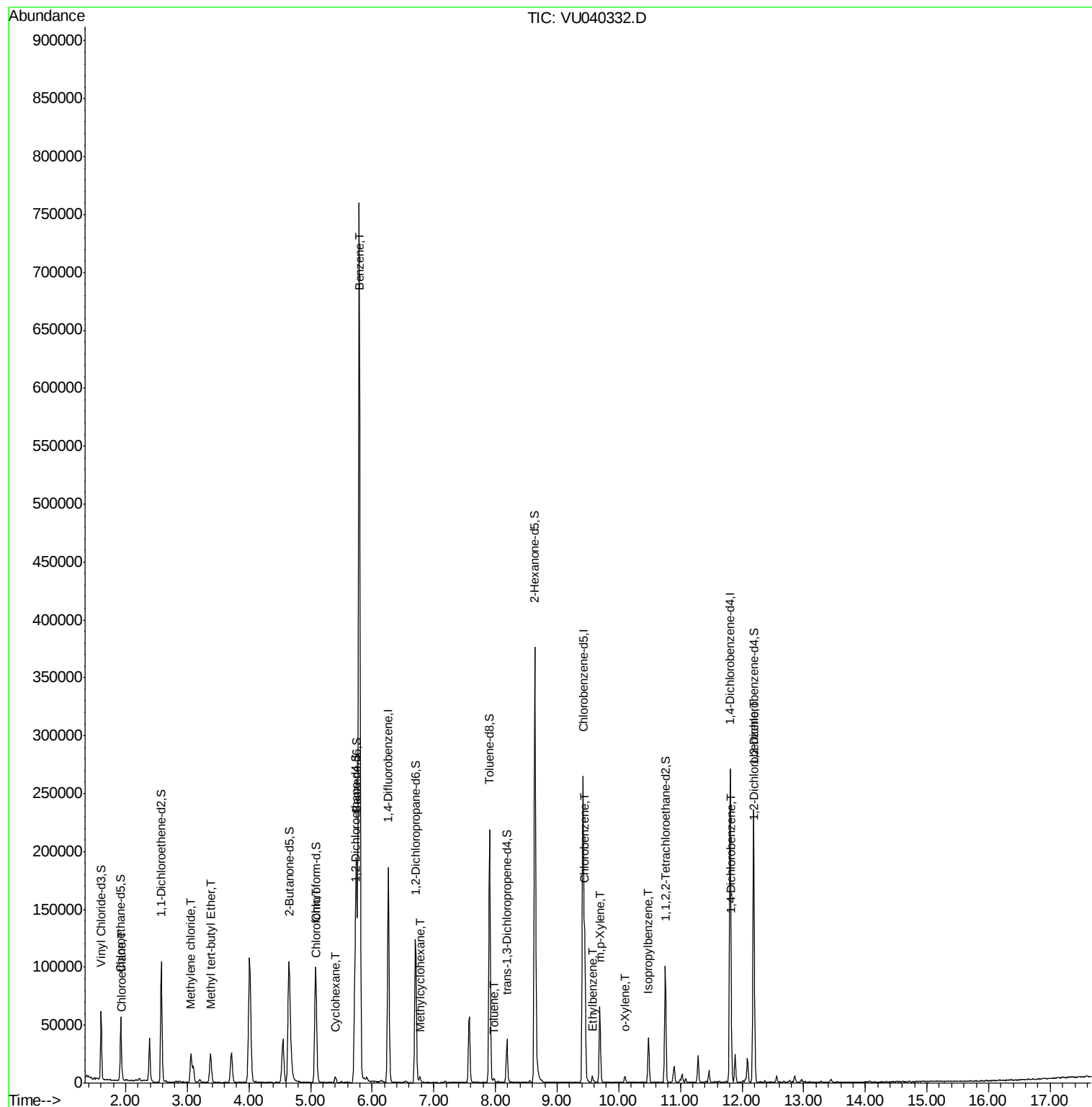
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

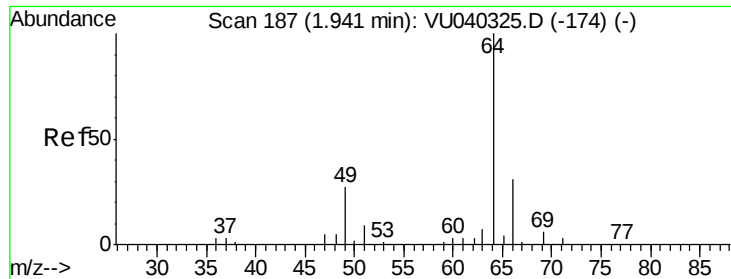
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040332.D
Acq On : 28 Sep 2020 15:13
Operator : SY/MD
Sample : L4139-03DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

Quant Time: Sep 29 07:51:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration

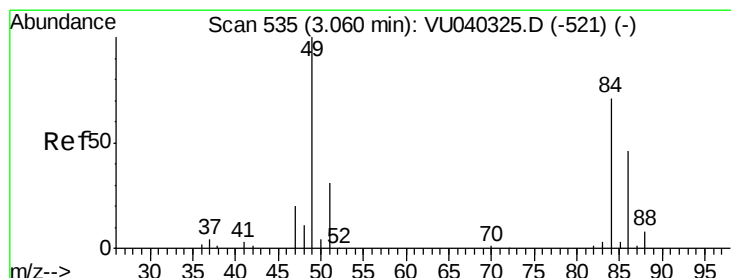
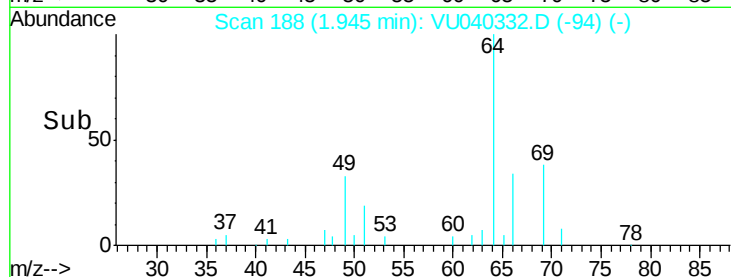
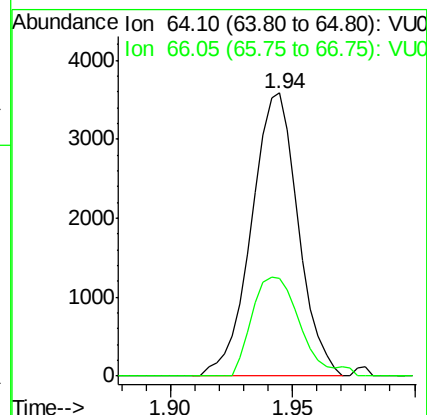
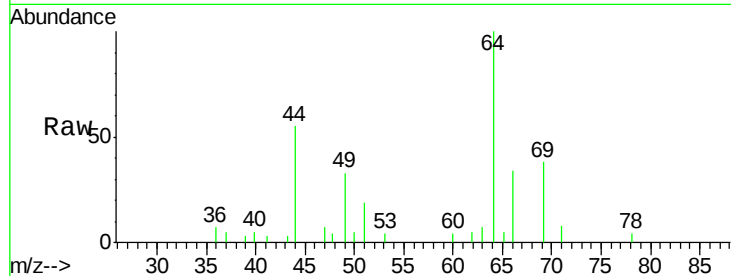




#8
Chloroethane
Concen: 0.595 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

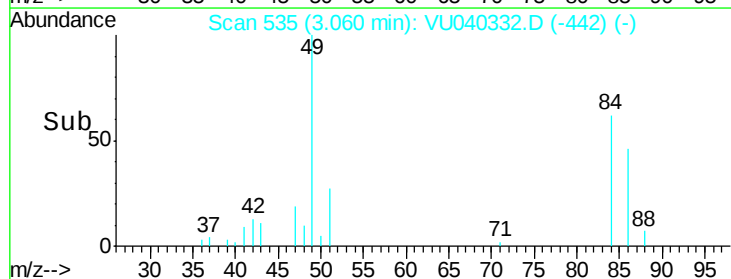
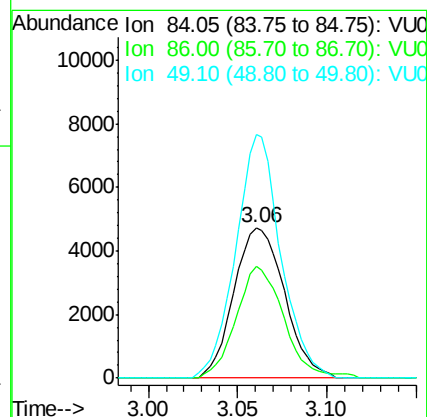
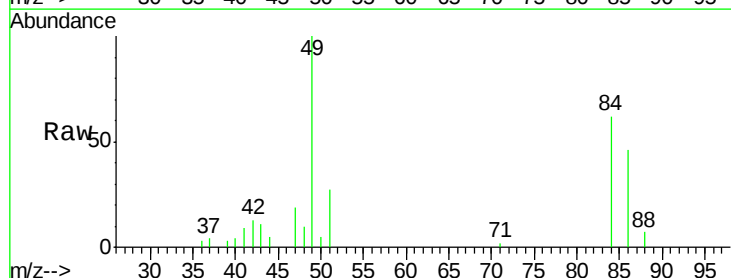
Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

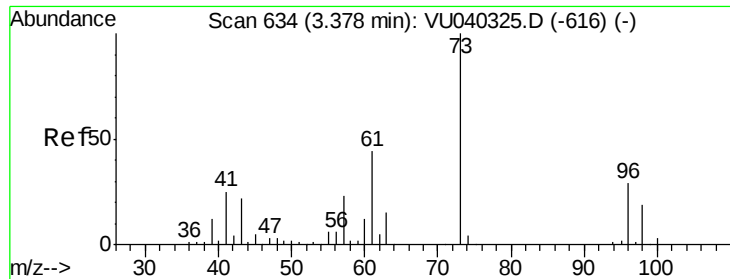
Tot Ion: 64 Resp: 4758
Ion Ratio Lower Upper
64 100
66 34.4 22.7 42.1



#16
Methylene chloride
Concen: 0.669 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Tgt Ion: 84 Resp: 9363
Ion Ratio Lower Upper
84 100
86 74.5 45.2 84.0
49 161.6 104.0 193.2

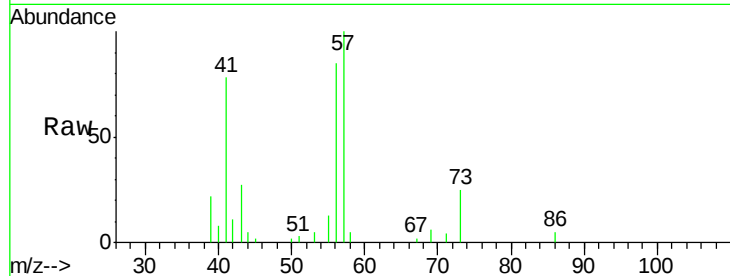




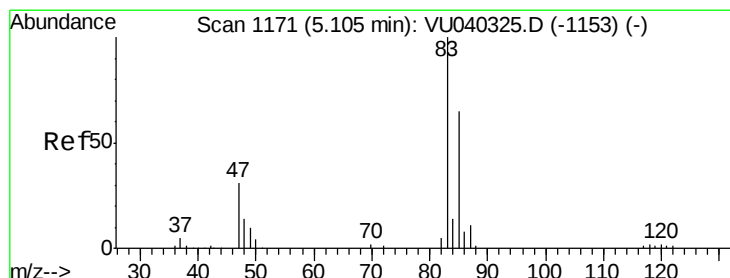
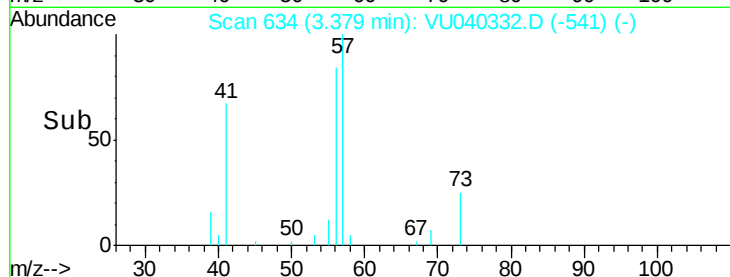
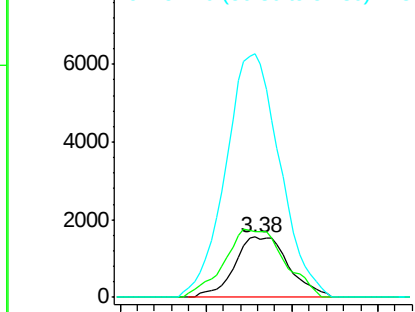
#17
Methvl tert-butvl Ether
Concen: 0.106 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

Tot Ion: 73 Resp: 3402
Ion Ratio Lower Upper
73 100
43 124.6 19.1 28.7#
57 403.1 18.3 27.5#

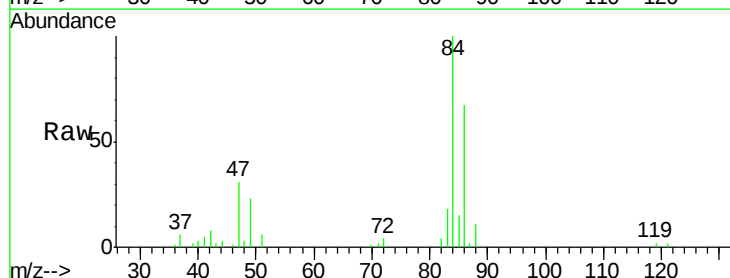


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

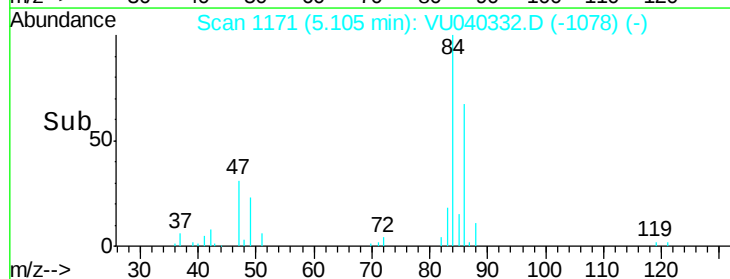
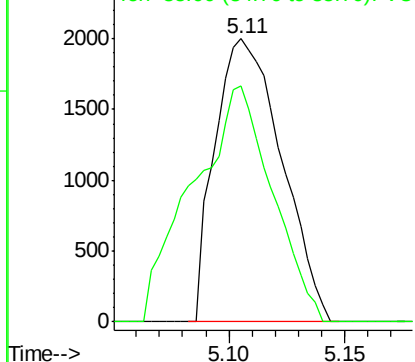


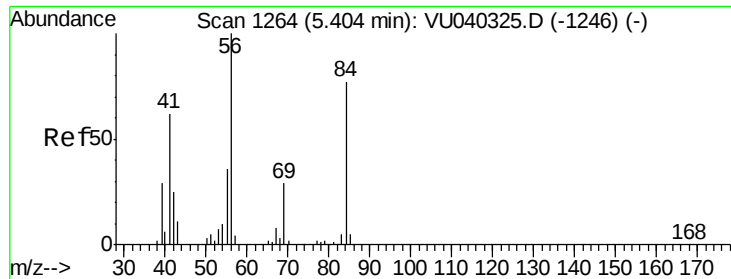
#25
Chloroform
Concen: 0.165 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Tgt Ion: 83 Resp: 3994
Ion Ratio Lower Upper
83 100
85 83.3 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

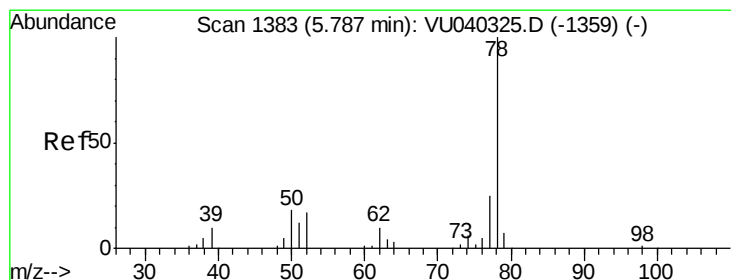
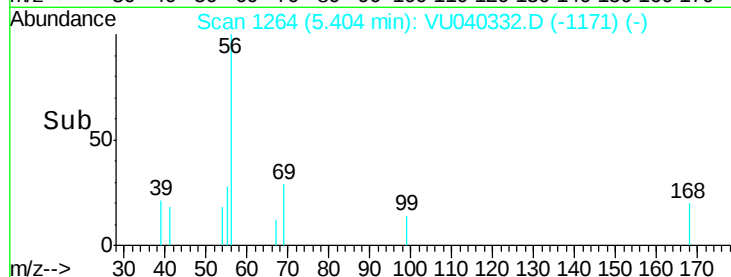
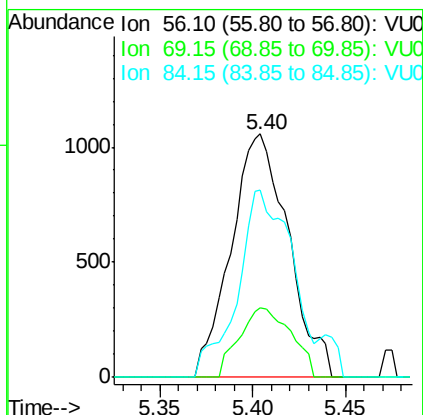
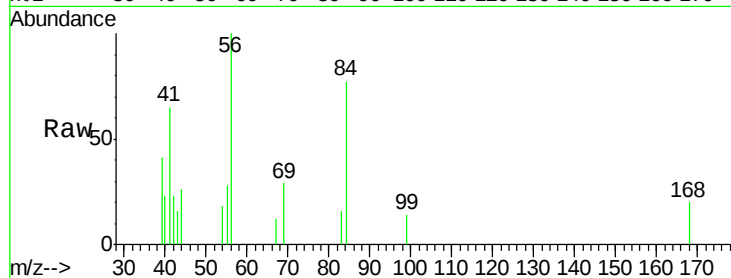




#30
Cyclohexane
Concen: 0.112 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

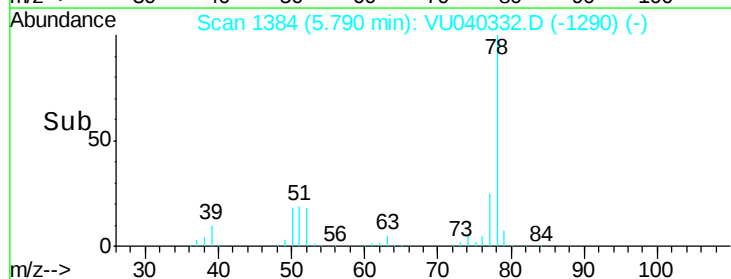
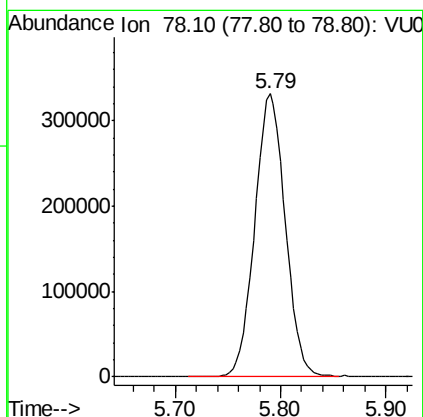
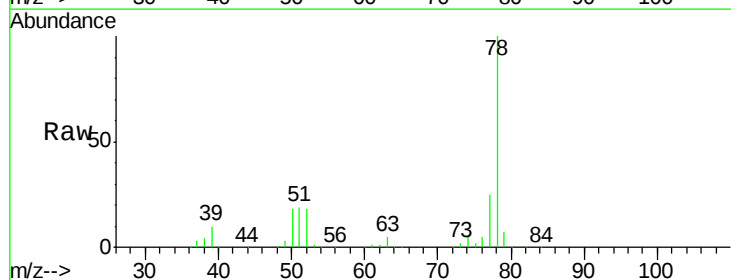
Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

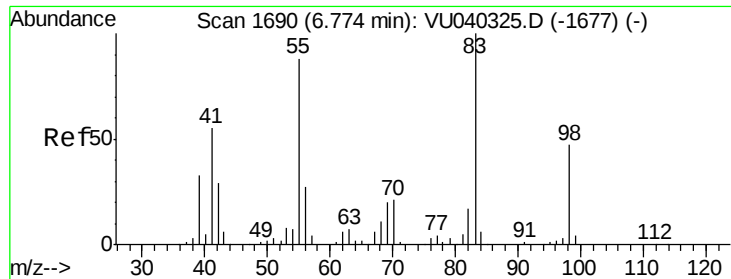
Tot Ion: 56 Resp: 2267
Ion Ratio Lower Upper
56 100
69 25.7 24.1 36.1
84 72.3 65.0 97.4



#33
Benzene
Concen: 14.050 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Tgt Ion: 78 Resp: 668848

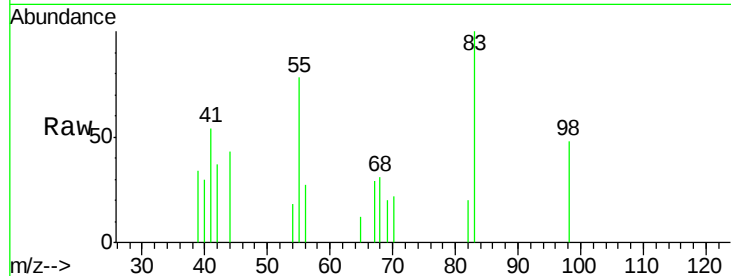




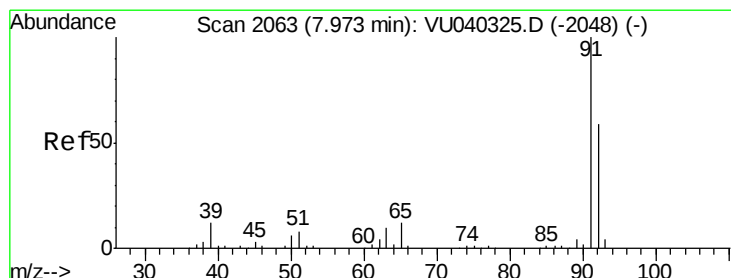
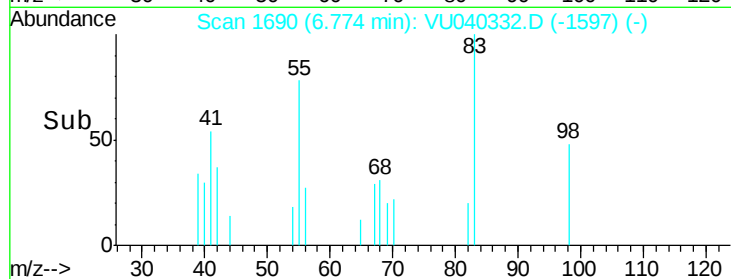
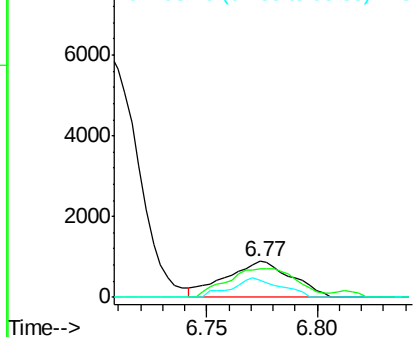
#35
Methvlcvclohexane
Concen: 0.095 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
BG4A4DL

Tot Ion: 83 Resp: 1860
Ion Ratio Lower Upper
83 100
55 83.4 70.5 105.7
98 39.8 37.8 56.6

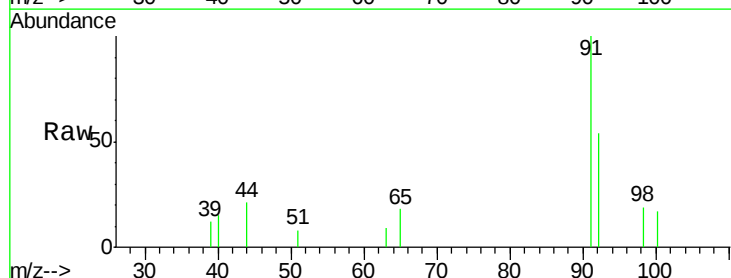


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

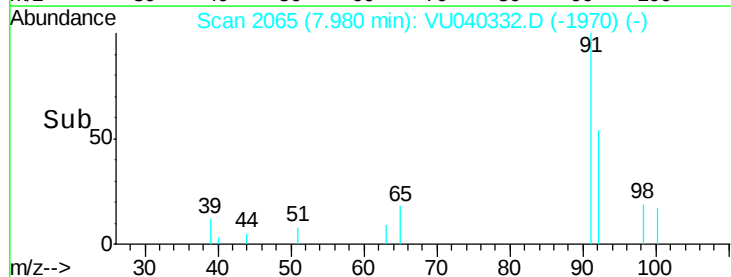
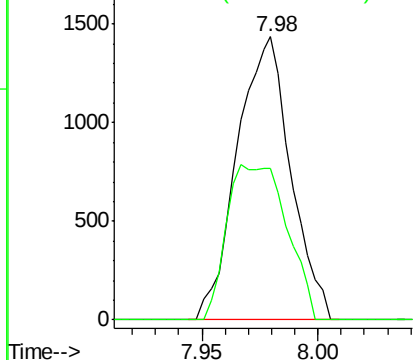


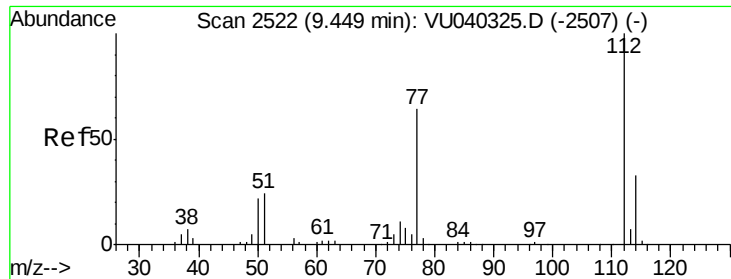
#42
Toluene
Concen: 0.047 ug/L
RT: 7.98 min Scan# 2065
Delta R.T. 0.01 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Tgt Ion: 91 Resp: 2302
Ion Ratio Lower Upper
91 100
92 53.6 40.7 75.5



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

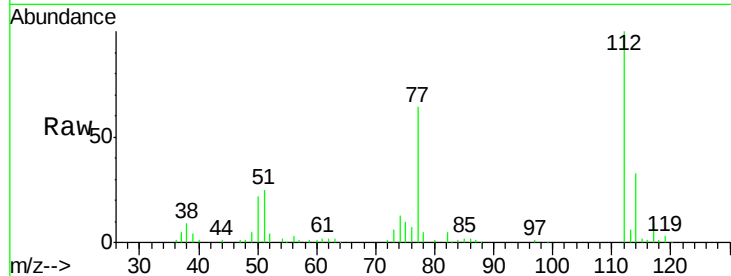




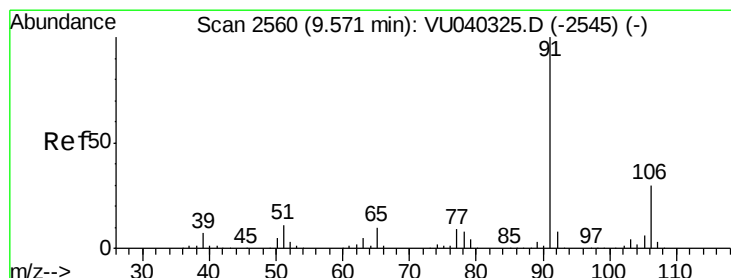
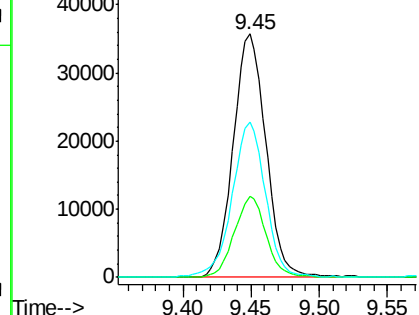
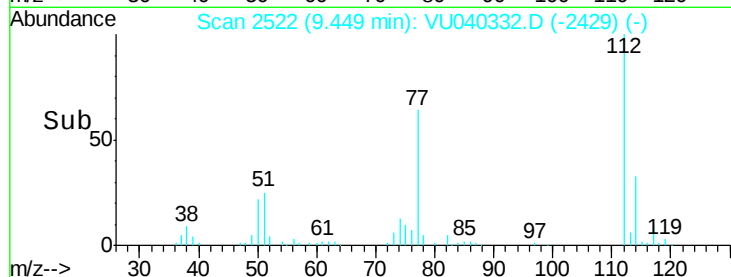
#51
Chlorobenzene
Concen: 1.958 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Instrument :
MSVOA_U
ClientSampleID :
BG4A4DL

Tot Ion:112 Resp: 59601
Ion Ratio Lower Upper
112 100
114 33.0 22.7 42.3
77 63.6 53.2 79.8

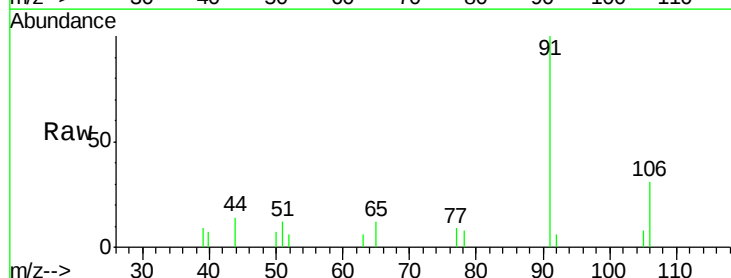


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

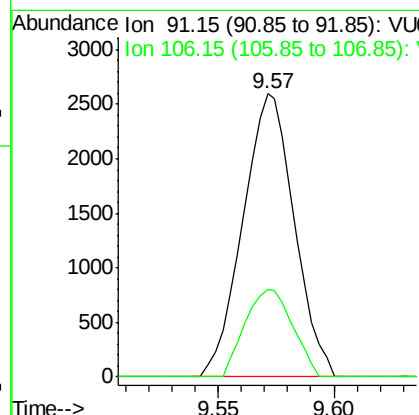
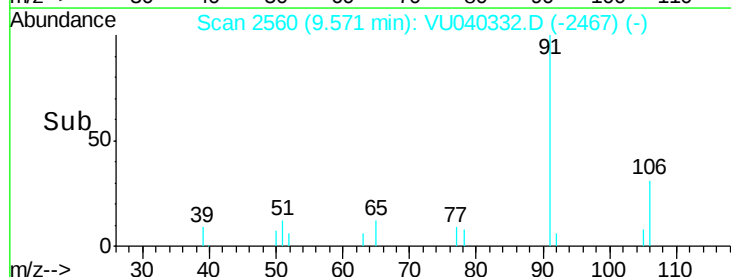


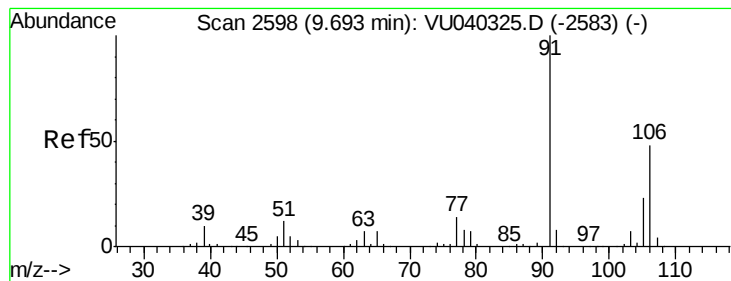
#52
Ethylbenzene
Concen: 0.072 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040332.D
Acq: 28 Sep 2020 15:13

Tgt Ion: 91 Resp: 3988
Ion Ratio Lower Upper
91 100
106 30.8 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: 0.883 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040332.D

Acq: 28 Sep 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

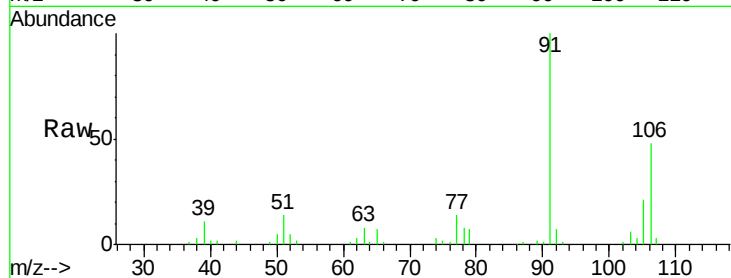
BG4A4DL

Tot Ion:106 Resp: 17509

Ion Ratio Lower Upper

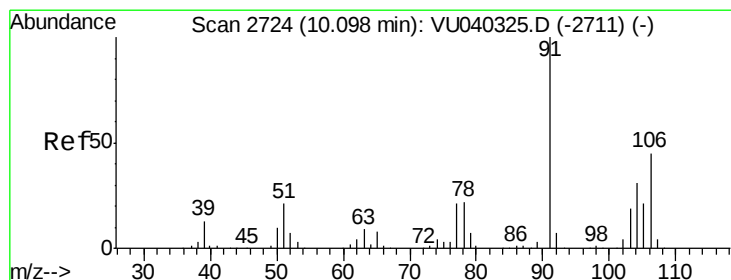
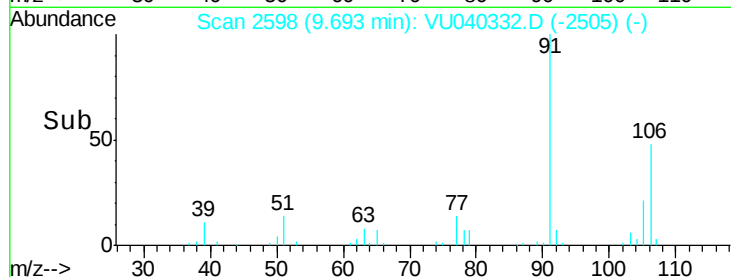
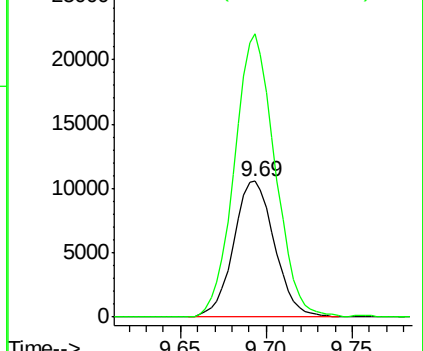
106 100

91 208.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.075 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU040332.D

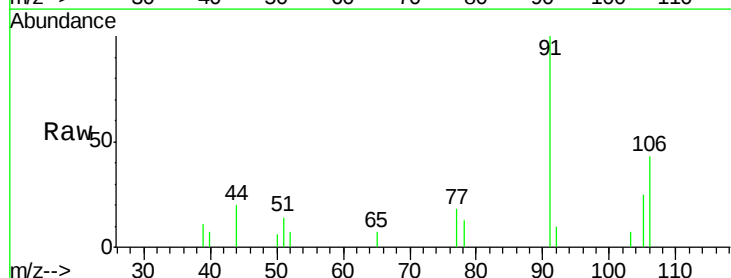
Acq: 28 Sep 2020 15:13

Tgt Ion:106 Resp: 1425

Ion Ratio Lower Upper

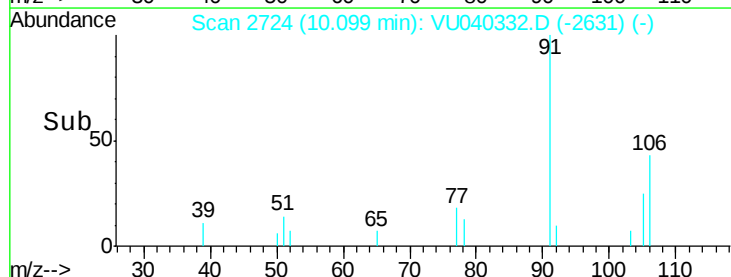
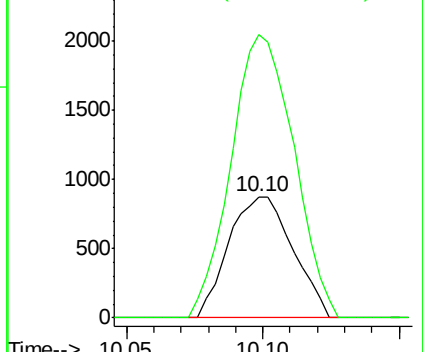
106 100

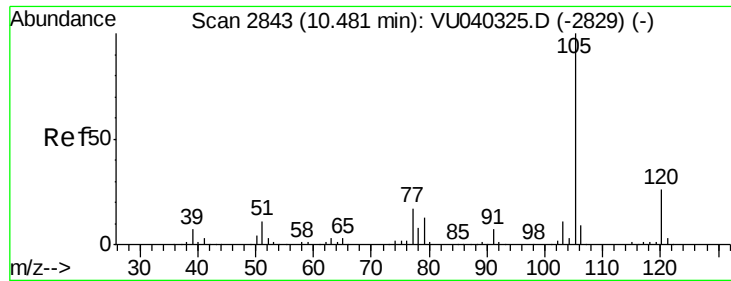
91 234.0 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.454 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040332.D

Acq: 28 Sep 2020 15:13

Instrument :

MSVOA_U

ClientSampleID :

BG4A4DL

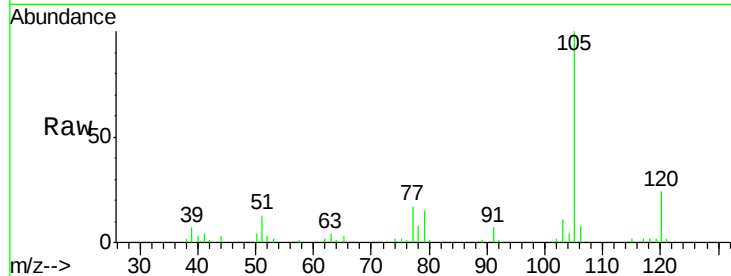
Tot Ion:105 Resp: 23376

Ion Ratio Lower Upper

105 100

120 25.4 20.1 30.1

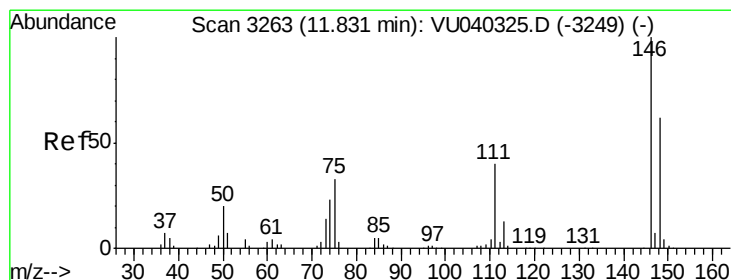
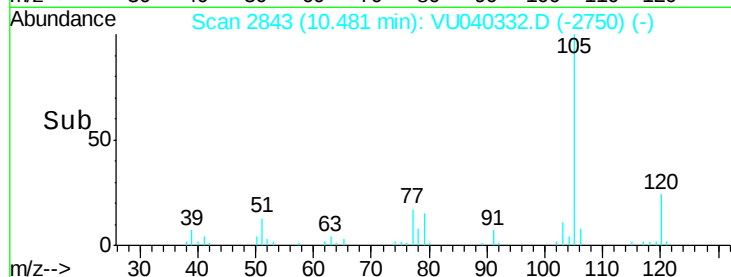
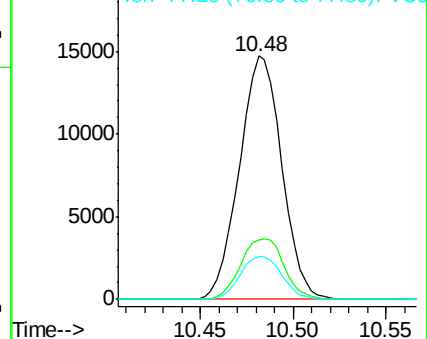
77 17.2 14.4 21.6



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: 0.179 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040332.D

Acq: 28 Sep 2020 15:13

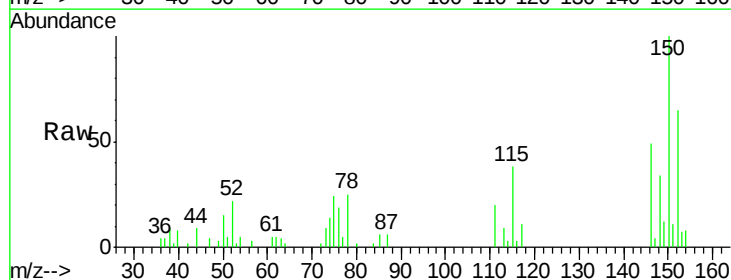
Tgt Ion:146 Resp: 4330

Ion Ratio Lower Upper

146 100

111 40.6 30.5 56.7

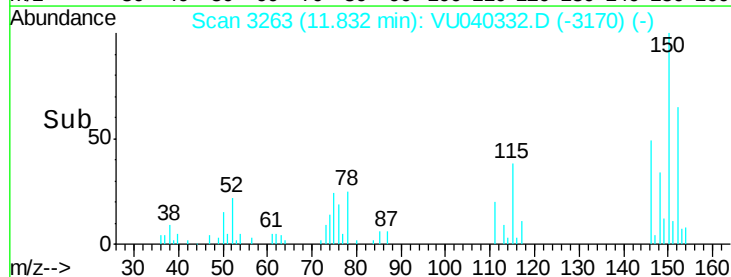
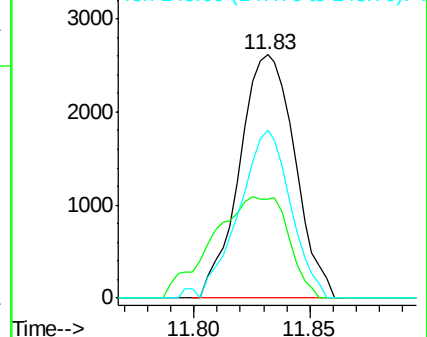
148 68.9 45.4 84.4

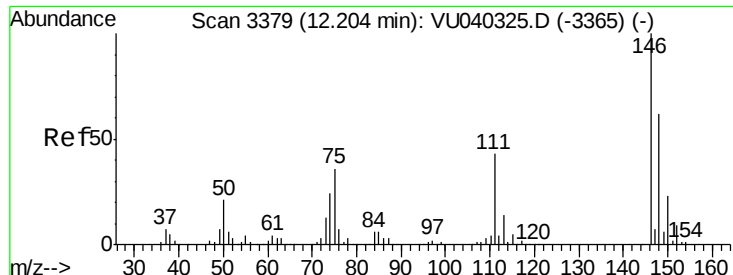


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

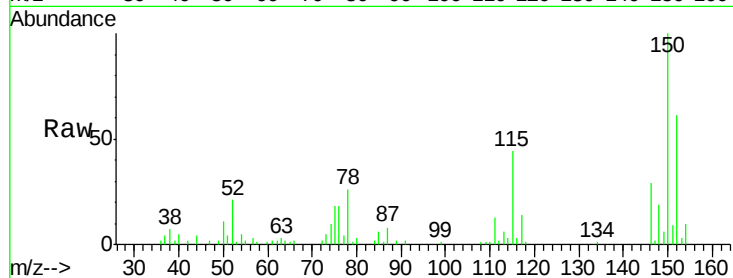




#65
 1,2-Dichlorobenzene
 Concen: 0.291 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040332.D
 Acq: 28 Sep 2020 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A4DL

Tot Ion:146 Resp: 6742
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.5 54.7
 148 65.2 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

