

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
 Data File : VU040516.D
 Acq On : 05 Oct 2020 17:51
 Operator : SY/MD
 Sample : L4240-09DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S7DL

Quant Time: Oct 06 09:06:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 07:45:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117798	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118158	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56764	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30037	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.92	69	25372	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.58	63	47269	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.66	46	136727	47.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.40%
24) Chloroform-d	5.08	84	67173	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	41872	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.75	84	126036	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.70	67	43268	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	107270	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	8.19	79	16746	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.64	63	92202	44.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37342	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	42580	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

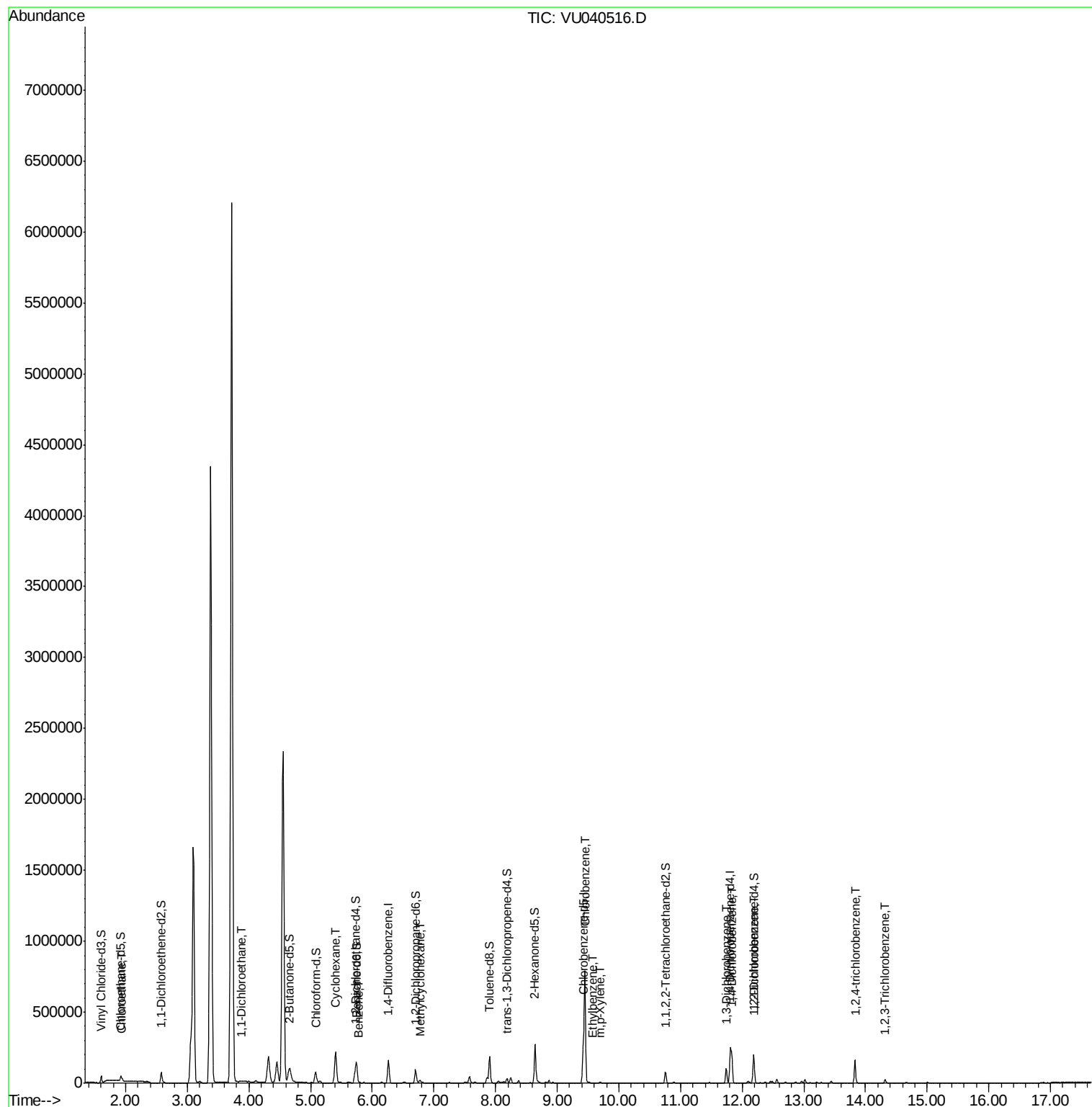
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	14047	2.082	ug/L	# 76
19) 1,1-Dichloroethane	3.89	63	3430	0.180	ug/L	88
30) Cyclohexane	5.41	56	103062	6.172	ug/L	98
33) Benzene	5.79	78	2744	0.069	ug/L	100
35) Methylcyclohexane	6.77	83	6519	0.423	ug/L	86
51) Chlorobenzene	9.45	112	386494	14.716	ug/L	99
52) Ethylbenzene	9.57	91	1932	0.044	ug/L	96
53) m,p-Xylene	9.70	106	1269	0.077	ug/L	83
62) 1,3-Dichlorobenzene	11.74	146	38078	2.026	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	73963	3.784	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	4686	0.256	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	43438	4.029	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	6505	0.659	ug/L	97

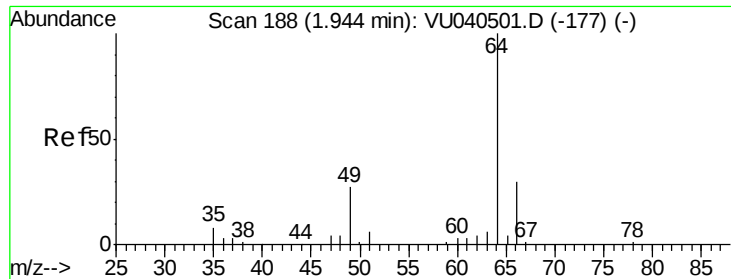
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100520\
Data File : VU040516.D
Acq On : 05 Oct 2020 17:51
Operator : SY/MD
Sample : L4240-09DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG3S7DL

Quant Time: Oct 06 09:06:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 07:45:27 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 2.082 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040516.D

Acq: 05 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

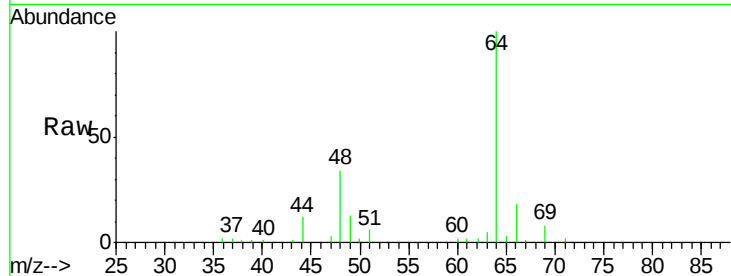
BG3S7DL

Tot Ion: 64 Resp: 14047

Ion Ratio Lower Upper

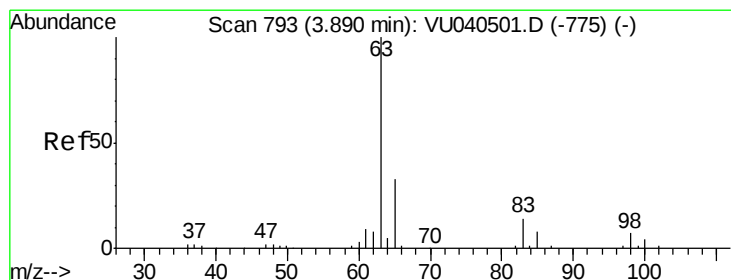
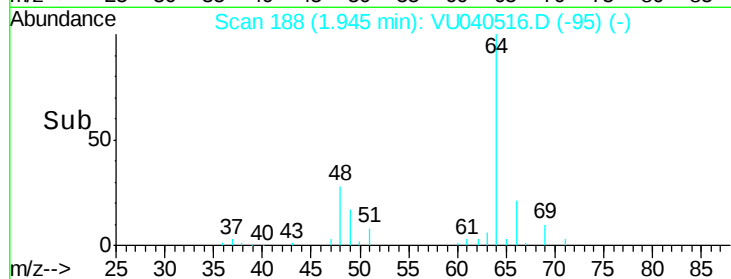
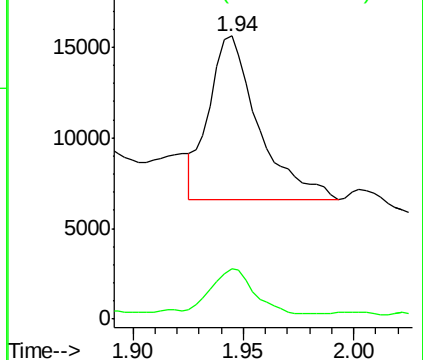
64 100

66 17.7 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#19

1,1-Dichloroethane

Concen: 0.180 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040516.D

Acq: 05 Oct 2020 17:51

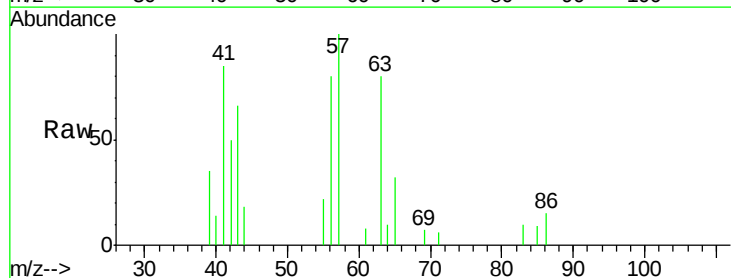
Tgt Ion: 63 Resp: 3430

Ion Ratio Lower Upper

63 100

65 39.9 21.7 40.3

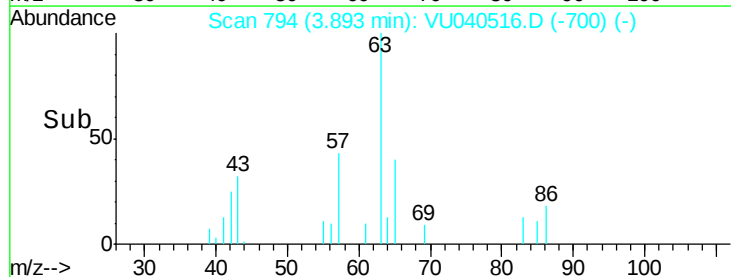
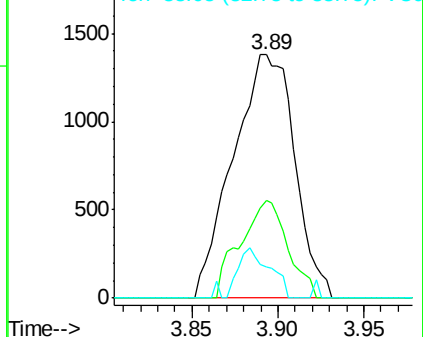
83 12.8 9.1 16.9

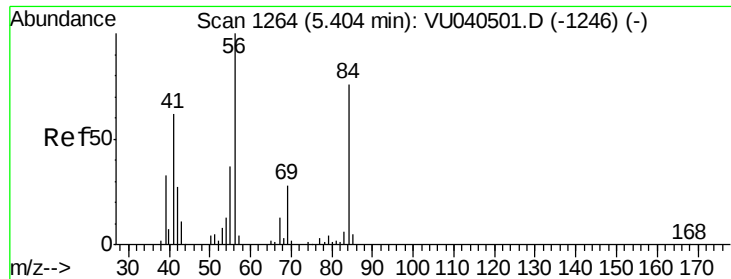


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

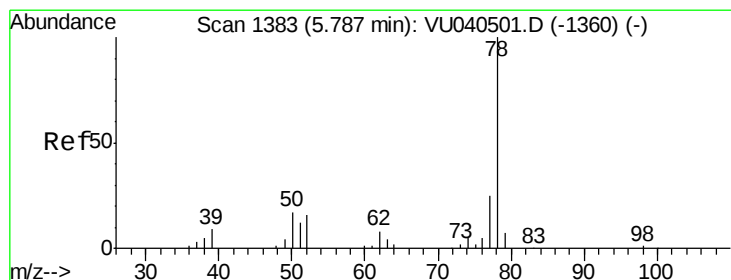
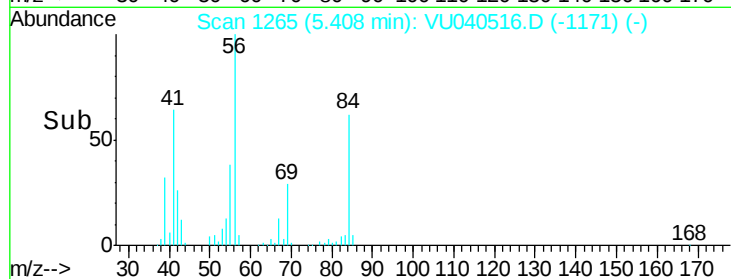
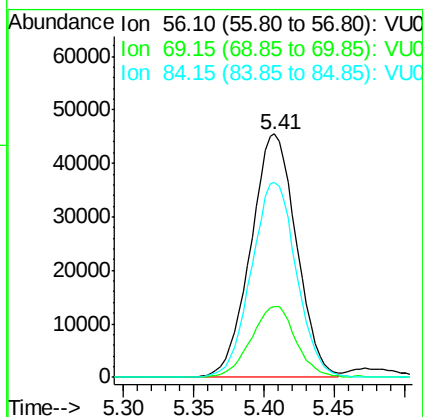
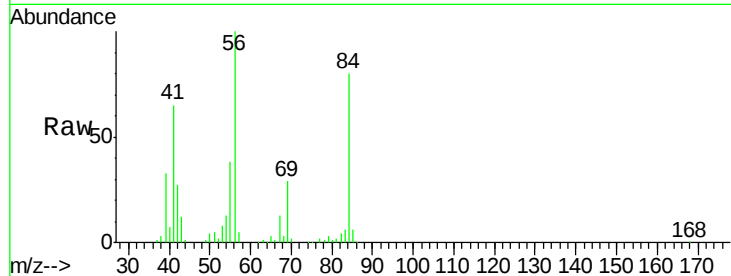




#30
Cyclohexane
Concen: 6.172 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040516.D
Acq: 05 Oct 2020 17:51

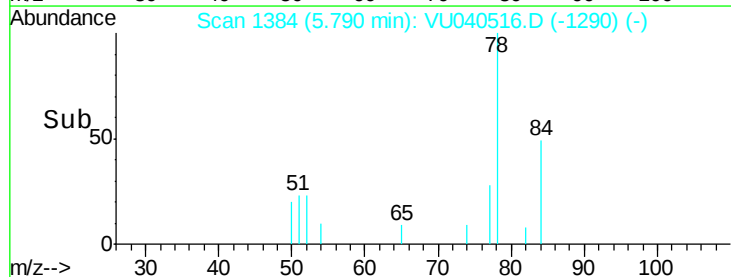
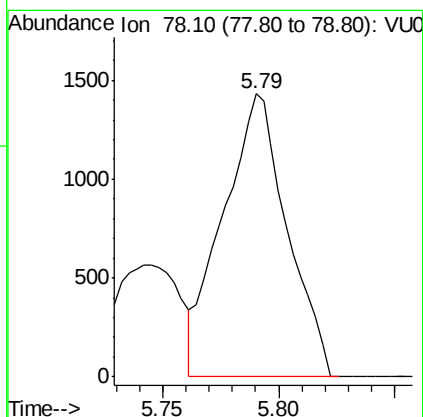
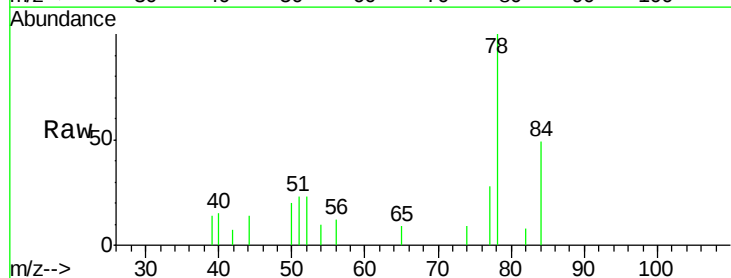
Instrument :
MSVOA_U
ClientSampleId :
BG3S7DL

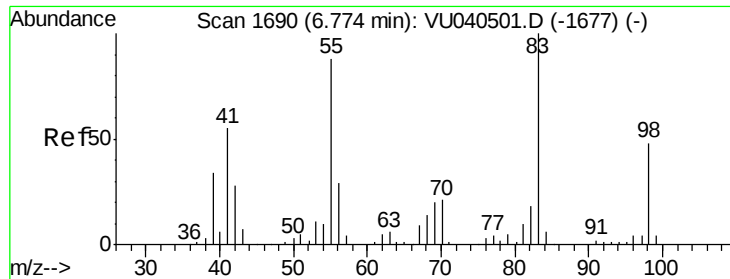
Tot Ion: 56 Resp: 103062
Ion Ratio Lower Upper
56 100
69 28.4 23.3 34.9
84 78.6 64.2 96.4



#33
Benzene
Concen: 0.069 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040516.D
Acq: 05 Oct 2020 17:51

Tgt Ion: 78 Resp: 2744

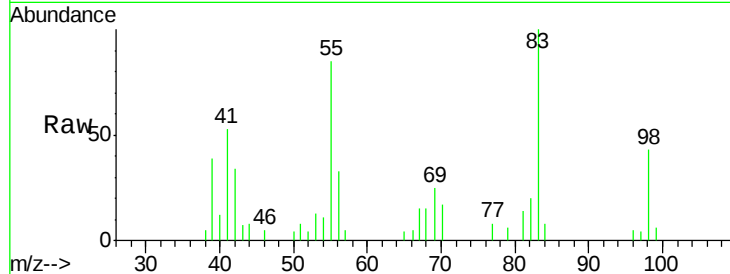




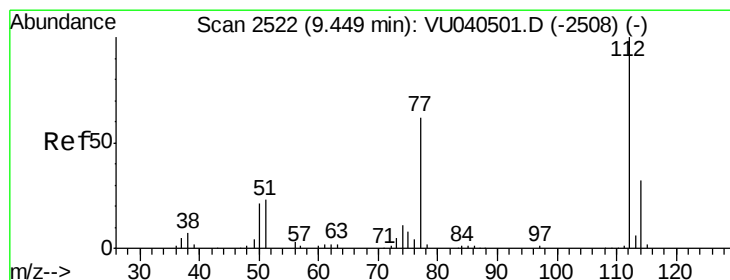
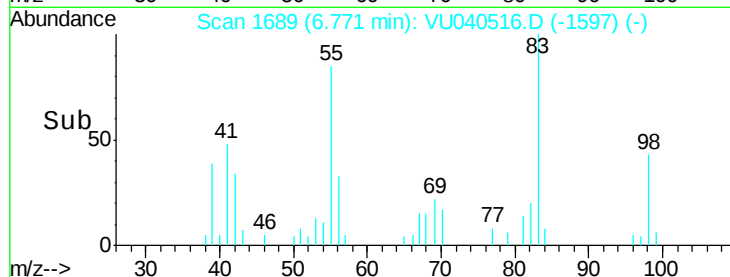
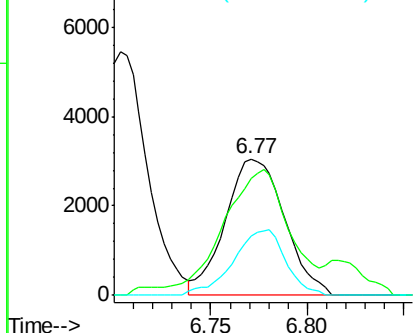
#35
Methvlcvclohexane
Concen: 0.423 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040516.D
Acq: 05 Oct 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
BG3S7DL

Tot Ion: 83 Resp: 6519
Ion Ratio Lower Upper
83 100
55 105.8 71.4 107.2
98 42.3 38.5 57.7

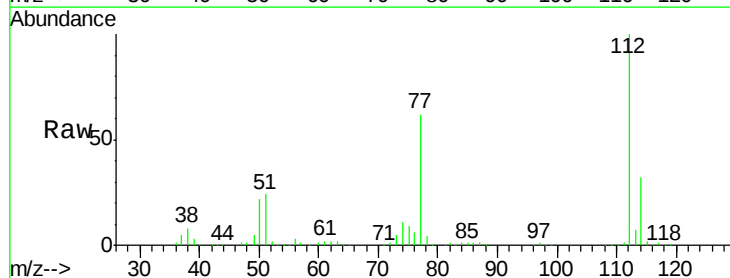


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

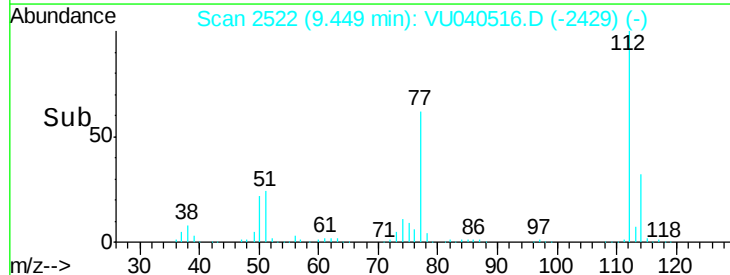
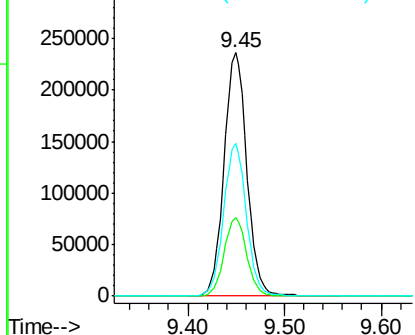


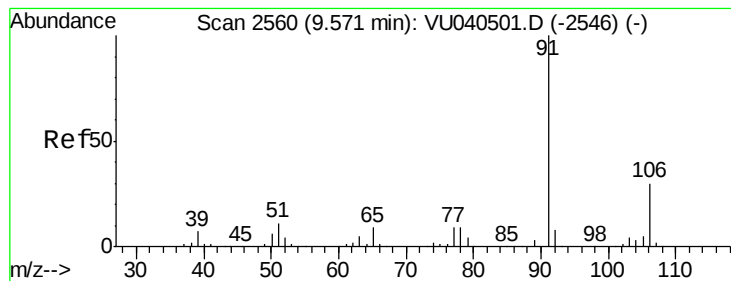
#51
Chlorobenzene
Concen: 14.716 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040516.D
Acq: 05 Oct 2020 17:51

Tgt Ion: 112 Resp: 386494
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 62.5 49.5 74.3



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





#52

Ethylbenzene

Concen: 0.044 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040516.D

Acq: 05 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

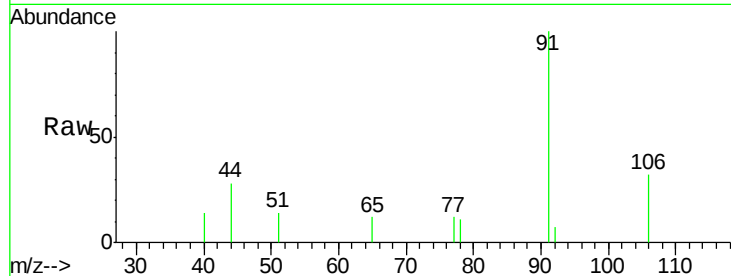
BG3S7DL

Tot Ion: 91 Resp: 1932

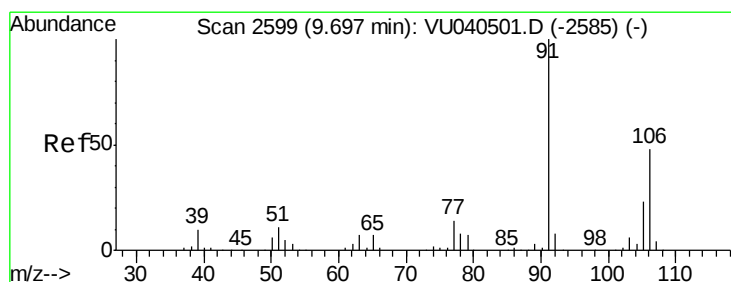
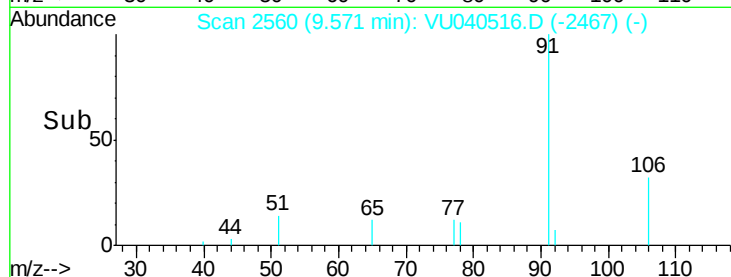
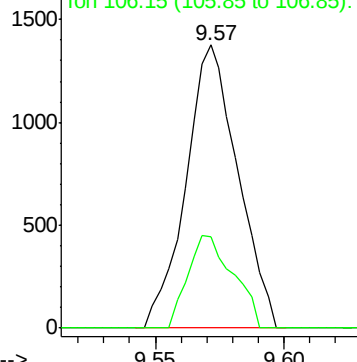
Ion Ratio Lower Upper

91 100

106 32.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040516.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.077 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040516.D

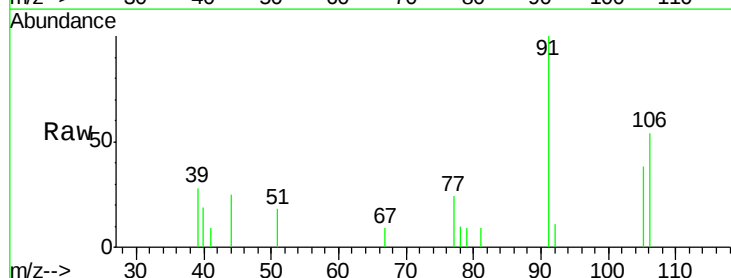
Acq: 05 Oct 2020 17:51

Tgt Ion: 106 Resp: 1269

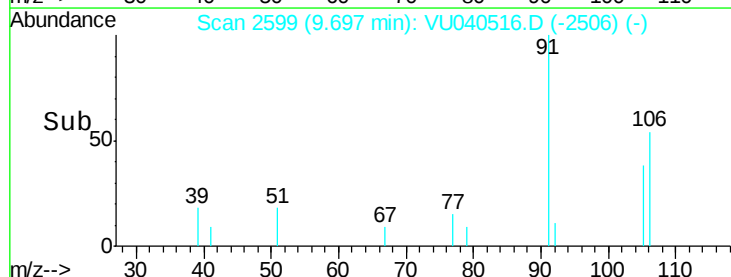
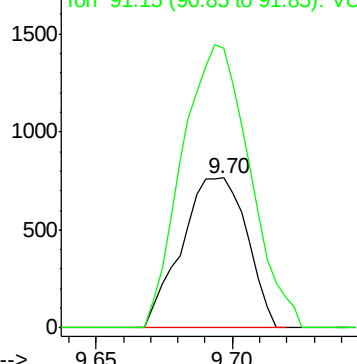
Ion Ratio Lower Upper

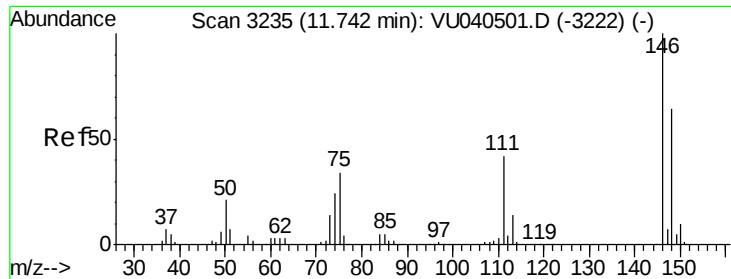
106 100

91 186.8 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040516.D (-2585) (-)





#62

1,3-Dichlorobenzene

Concen: 2.026 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040516.D

Acq: 05 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampled :

BG3S7DL

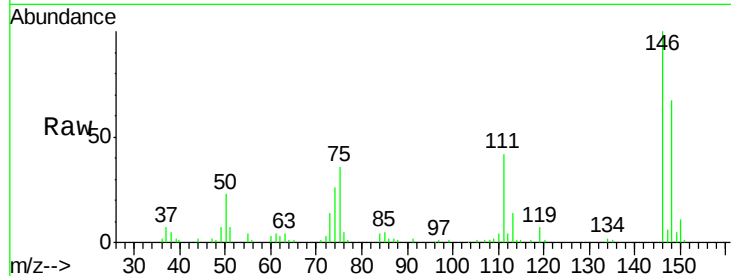
Tot Ion:146 Resp: 38078

Ion Ratio Lower Upper

146 100

111 42.2 28.6 53.0

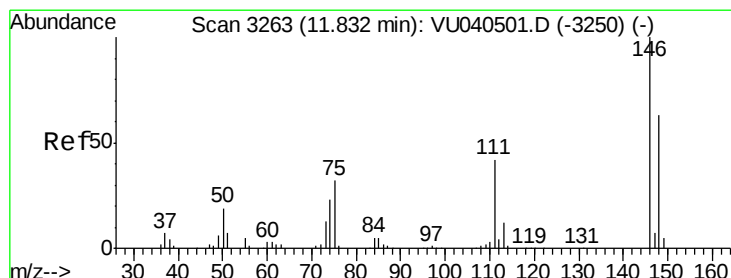
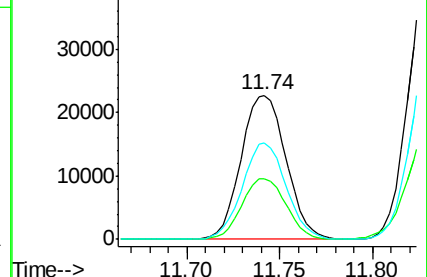
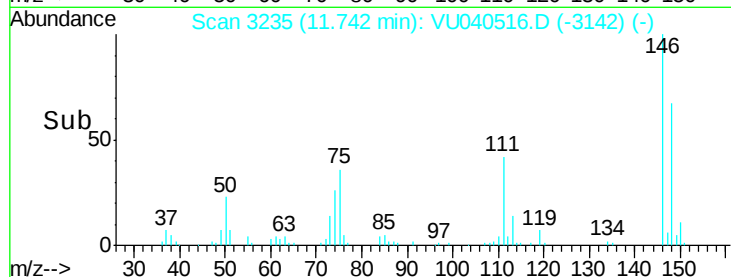
148 67.3 43.4 80.6



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: 3.784 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040516.D

Acq: 05 Oct 2020 17:51

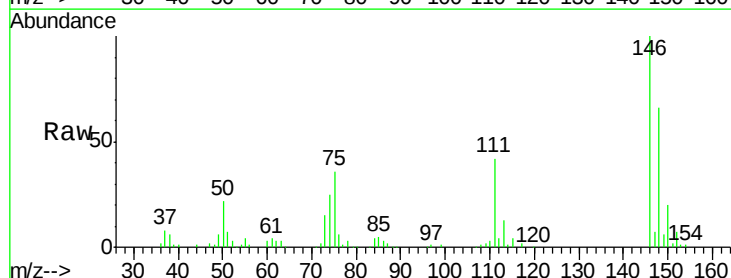
Tgt Ion:146 Resp: 73963

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

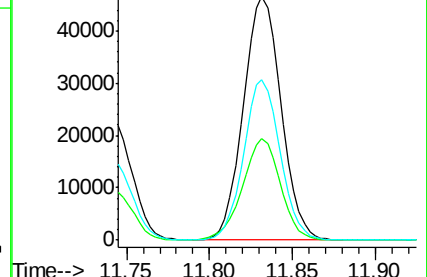
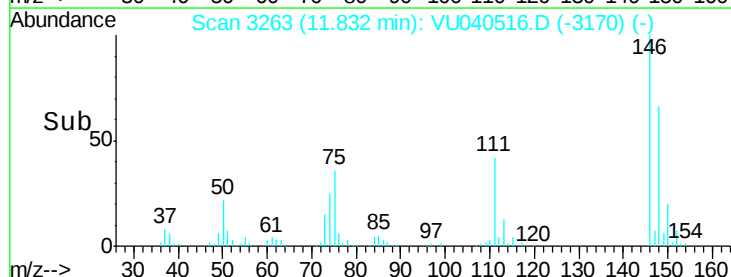
148 65.6 44.4 82.4

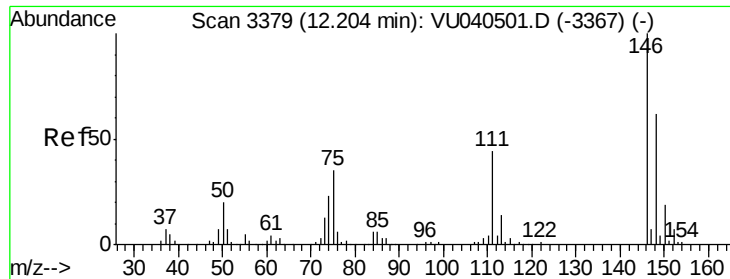


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

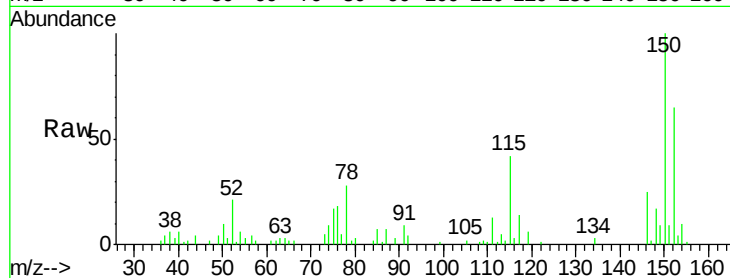




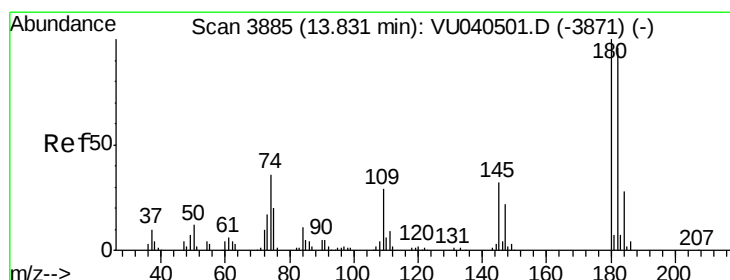
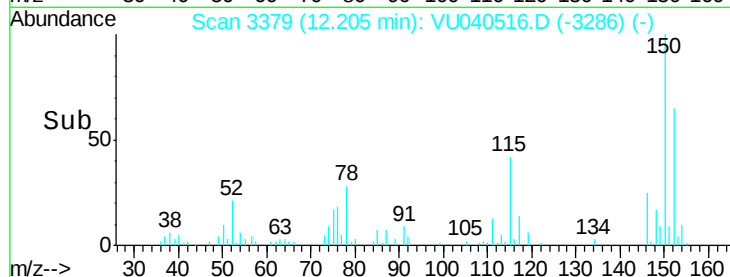
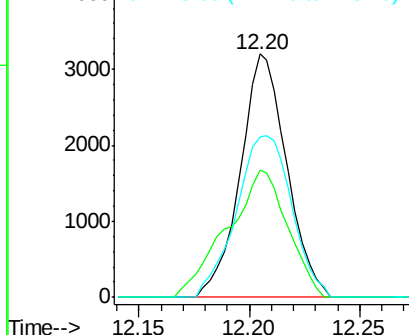
#65
 1,2-Dichlorobenzene
 Concen: 0.256 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040516.D
 Acq: 05 Oct 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S7DL

Tot Ion:146 Resp: 4686
 Ion Ratio Lower Upper
 146 100
 111 52.1 35.6 53.4
 148 66.0 49.8 74.6

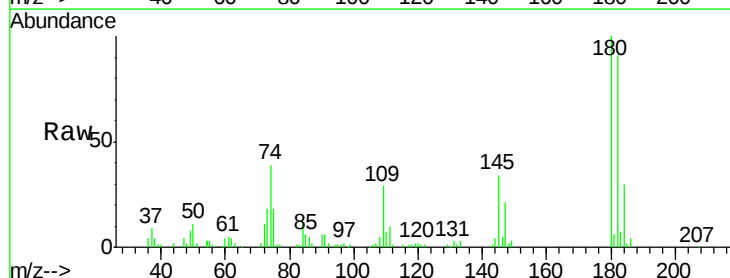


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

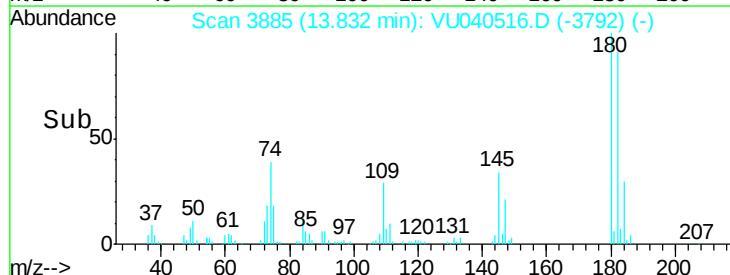
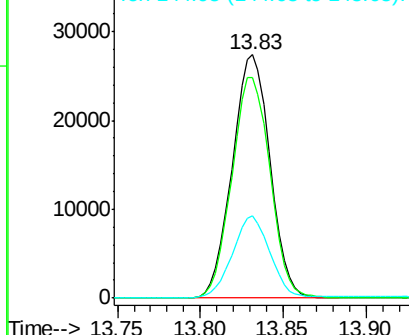


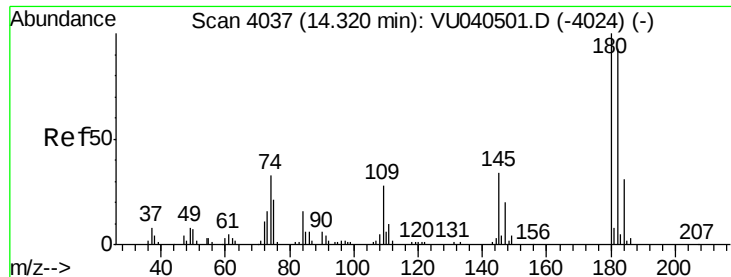
#68
 1,2,4-trichlorobenzene
 Concen: 4.029 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040516.D
 Acq: 05 Oct 2020 17:51

Tgt Ion:180 Resp: 43438
 Ion Ratio Lower Upper
 180 100
 182 92.0 76.6 115.0
 145 33.7 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.659 ug/L
 RT: 14.32 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: VU040516.D
 Acq: 05 Oct 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S7DL

Tot Ion:180 Resp: 6505
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.6 115.0
 145 37.8 27.8 41.6

