

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040463.D
 Acq On : 02 Oct 2020 16:06
 Operator : SY/MD
 Sample : L4240-07DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3R6DL

Quant Time: Oct 03 02:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125262	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33865	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.92	69	27538	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	54101	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.65	46	142917	46.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.80%
24) Chloroform-d	5.08	84	66996	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	44033	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.75	84	134292	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.70	67	45546	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	115504	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	8.19	79	18755	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	99058	45.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.24%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40509	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	46524	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

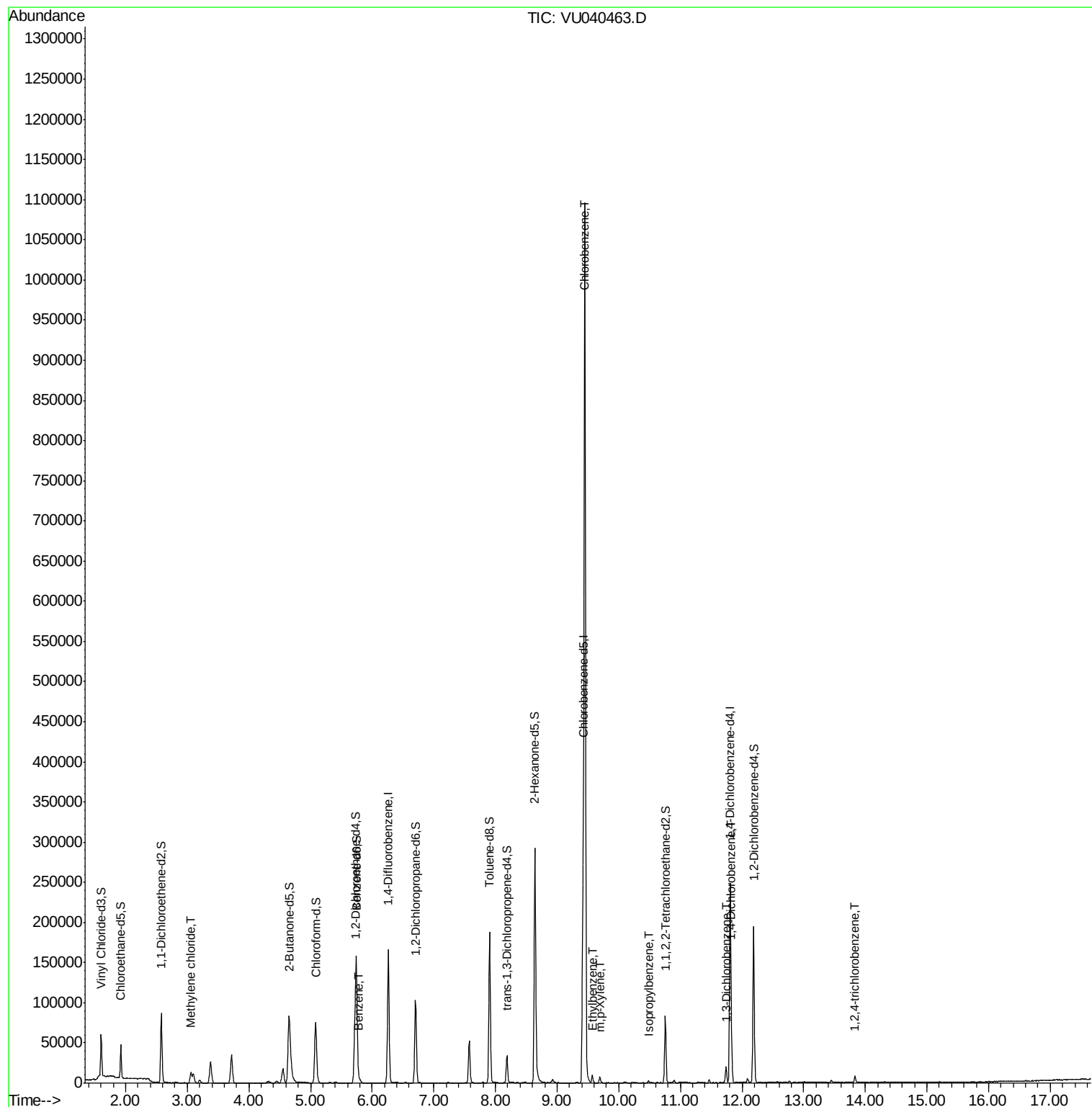
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	2332	0.195	ug/L	97
33) Benzene	5.79	78	5035	0.121	ug/L	100
51) Chlorobenzene	9.45	112	533183	19.288	ug/L	98
52) Ethylbenzene	9.57	91	6973	0.150	ug/L	92
53) m,p-Xylene	9.70	106	1937	0.112	ug/L	91
56) Isopropylbenzene	10.48	105	1631	0.037	ug/L #	93
62) 1,3-Dichlorobenzene	11.74	146	7315	0.381	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	10953	0.548	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2691	0.244	ug/L	97

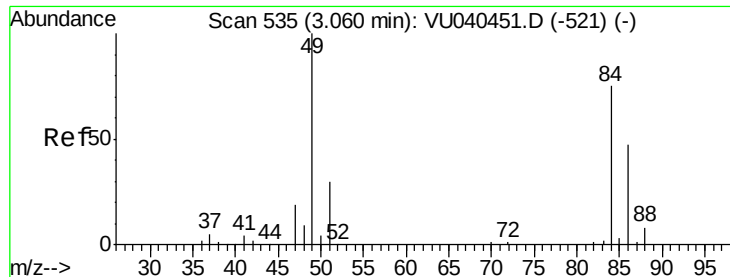
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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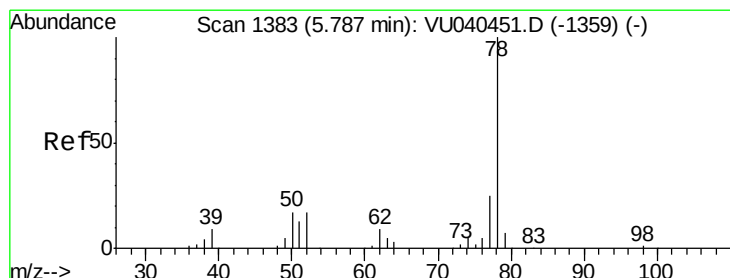
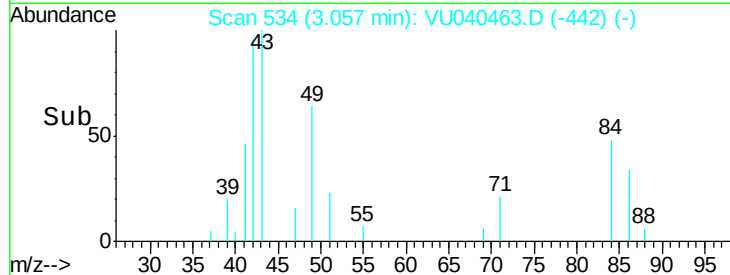
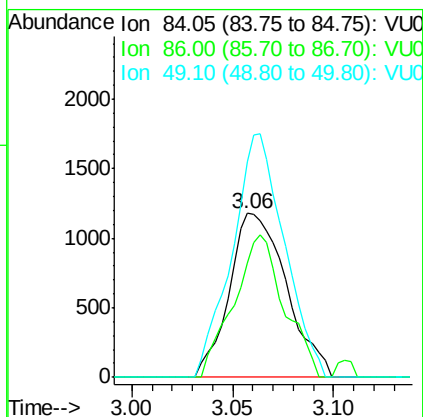
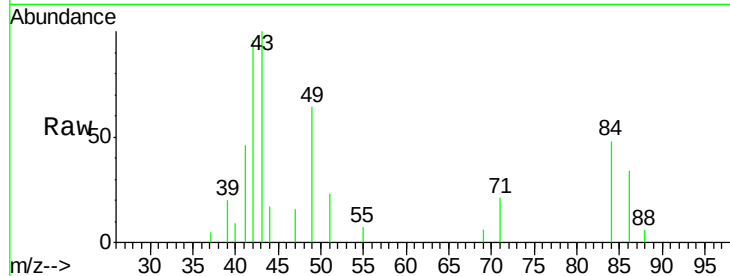




#16
Methvlene chloride
Concen: 0.195 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

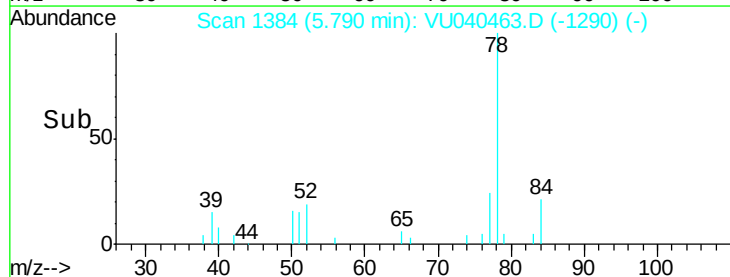
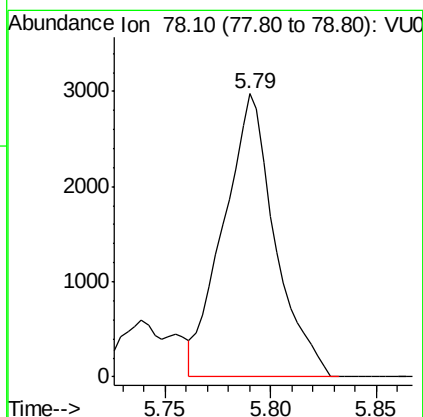
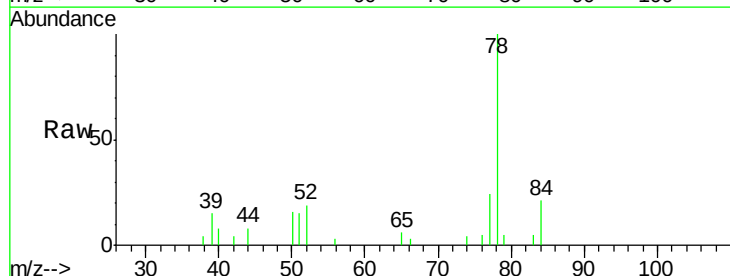
Instrument :
MSVOA_U
ClientSampleId :
BG3R6DL

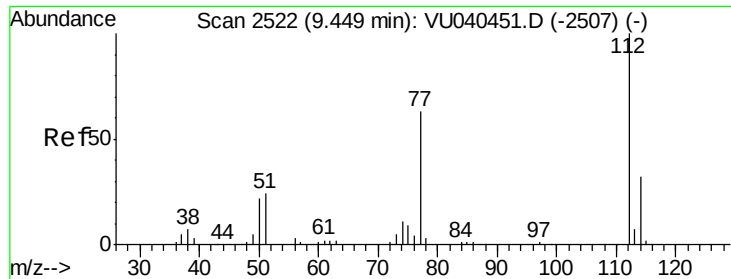
Tot Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
86 69.5 44.4 82.5
49 131.3 92.2 171.2



#33
Benzene
Concen: 0.121 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

Tgt Ion: 78 Resp: 5035

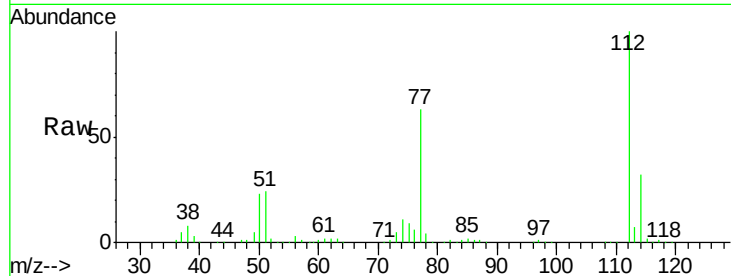




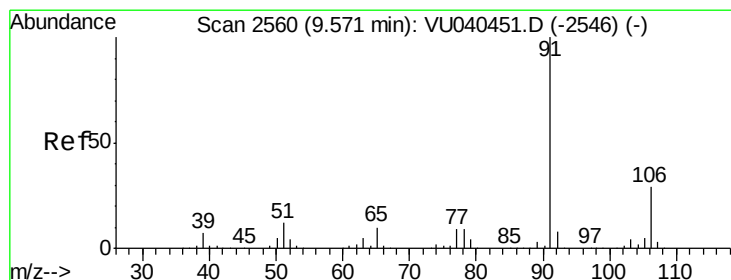
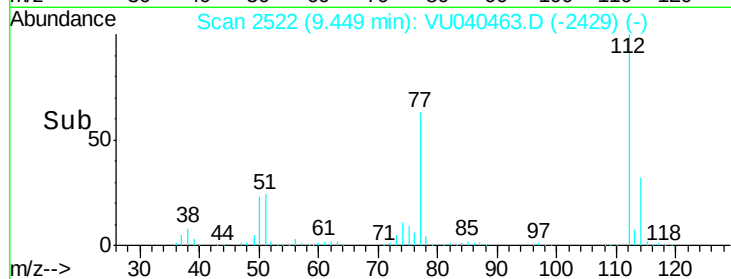
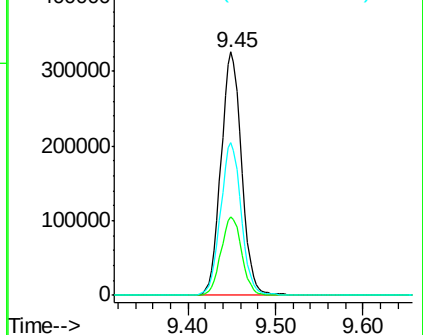
#51
Chlorobenzene
Concen: 19.288 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

Instrument :
MSVOA_U
ClientSampleId :
BG3R6DL

Tot Ion:112 Resp: 533183
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 63.0 49.5 74.3

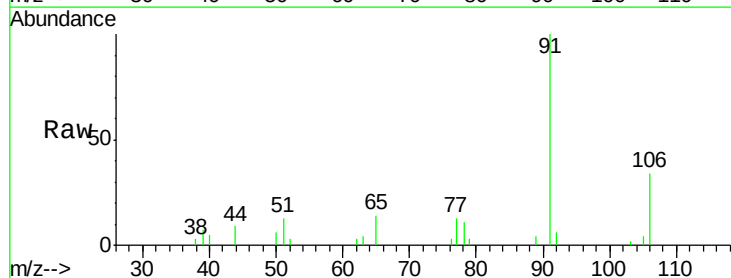


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

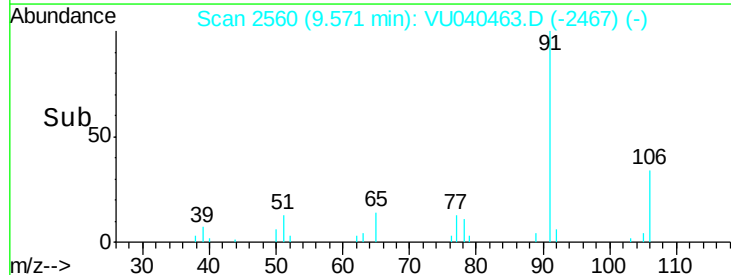
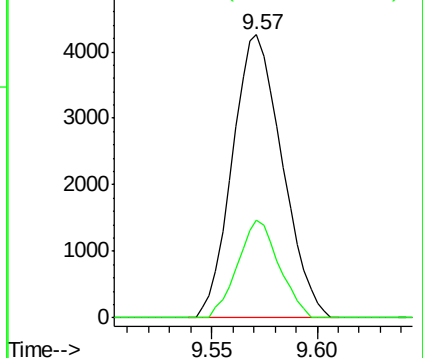


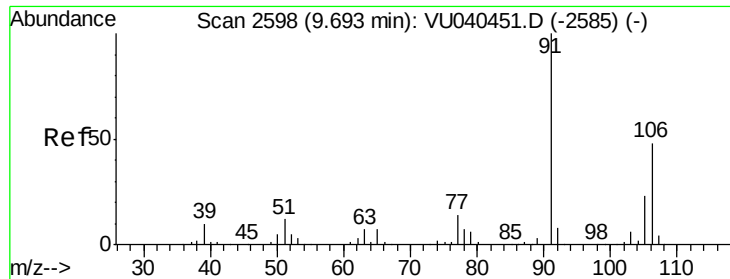
#52
Ethylbenzene
Concen: 0.150 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

Tgt Ion: 91 Resp: 6973
Ion Ratio Lower Upper
91 100
106 34.4 21.1 39.3



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





#53

m,p-Xylene

Concen: 0.112 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

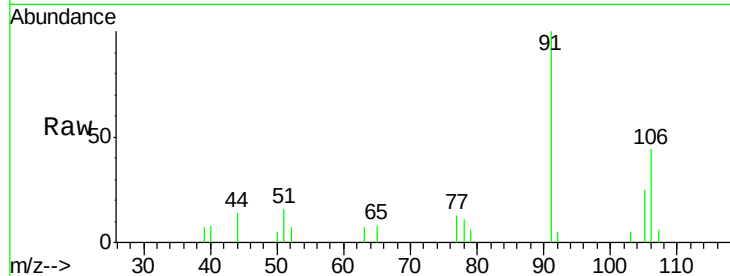
BG3R6DL

Tot Ion:106 Resp: 1937

Ion Ratio Lower Upper

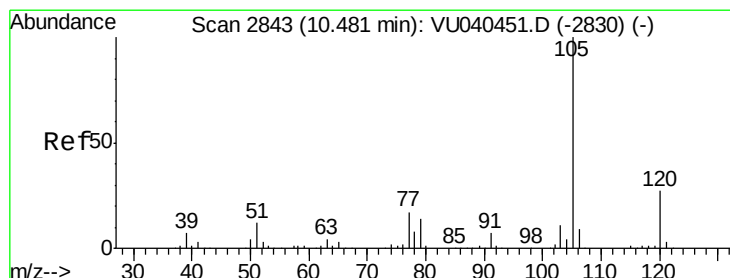
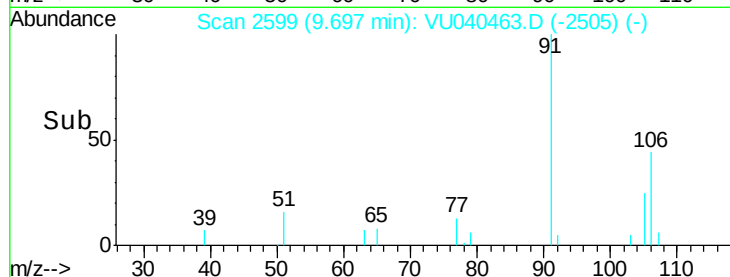
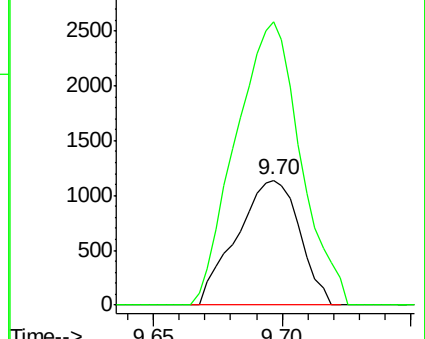
106 100

91 226.7 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.037 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

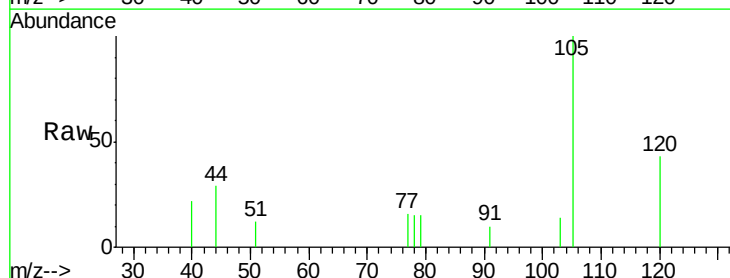
Tgt Ion:105 Resp: 1631

Ion Ratio Lower Upper

105 100

120 23.7 20.6 30.8

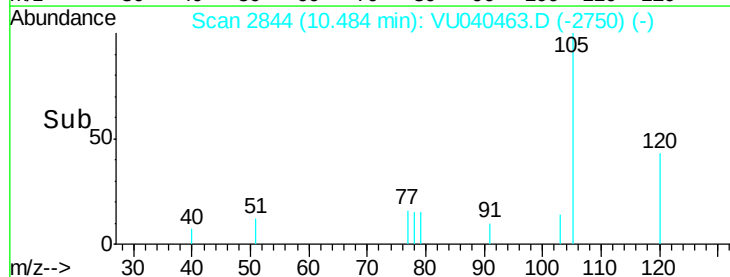
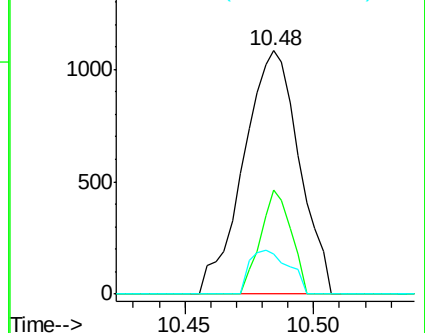
77 12.8 14.3 21.5#

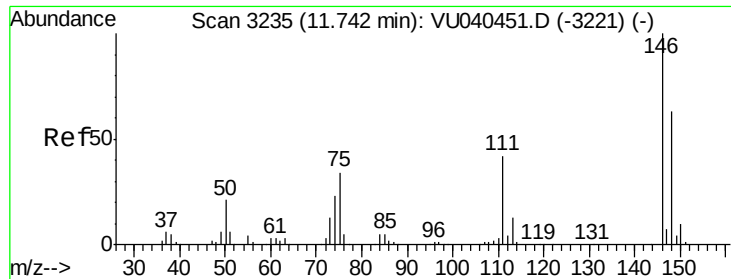


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

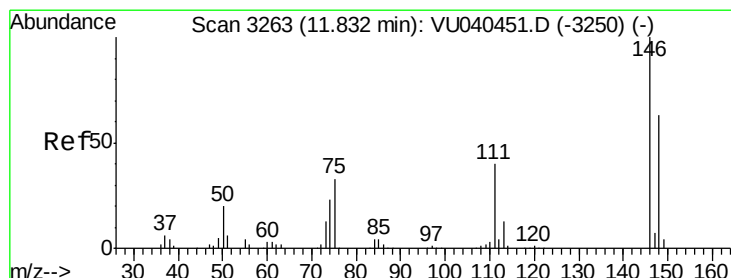
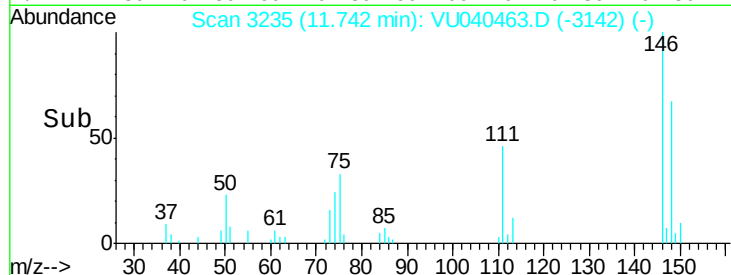
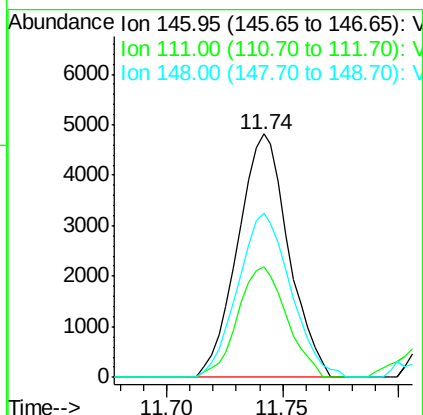
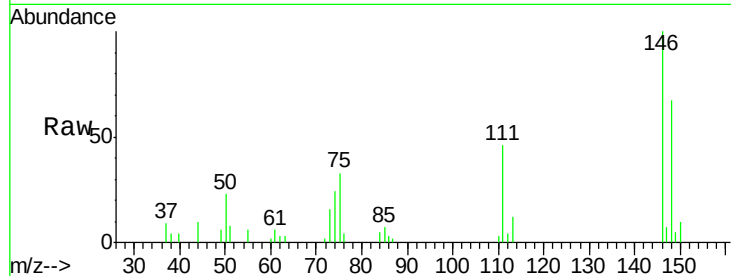




#62
 1,3-Dichlorobenzene
 Concen: 0.381 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

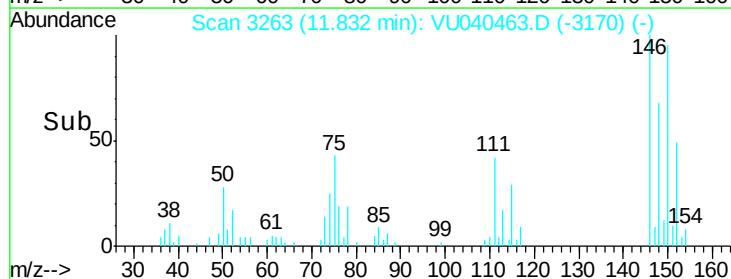
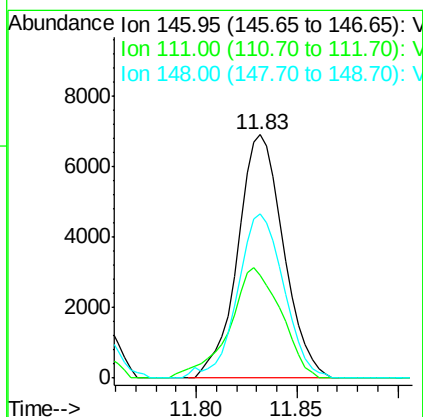
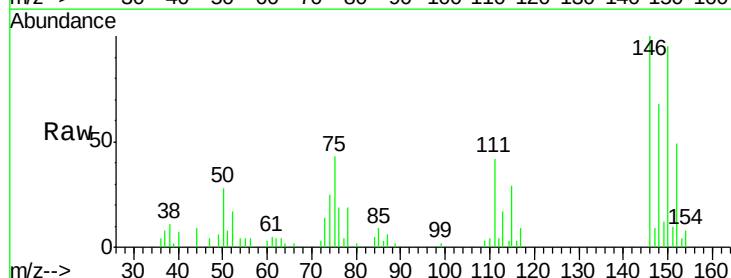
Instrument :
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 BG3R6DL

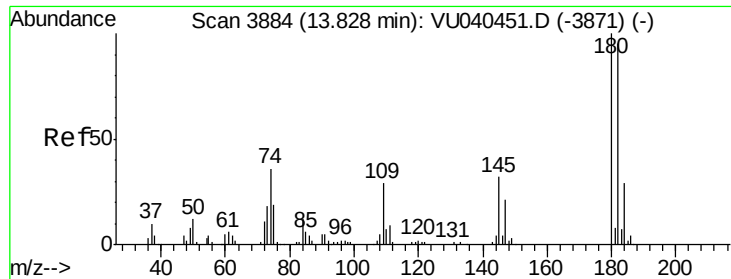
Tot Ion:146 Resp: 7315
 Ion Ratio Lower Upper
 146 100
 111 45.5 28.6 53.0
 148 67.3 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 0.548 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

Tgt Ion:146 Resp: 10953
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.2 54.2
 148 67.5 44.4 82.4





#68

1,2,4-trichlorobenzene

Concen: 0.244 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

BG3R6DL

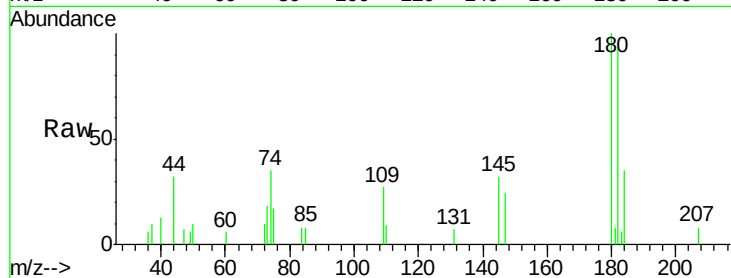
Tot Ion:180 Resp: 2691

Ion Ratio Lower Upper

180 100

182 92.9 76.6 115.0

145 35.2 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

