

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040440.D
 Acq On : 01 Oct 2020 23:24
 Operator : SY/MD
 Sample : L4240-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T0

Quant Time: Oct 02 06:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	153503	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	70919	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26718	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.92	69	27358	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.58	63	45838	2.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.20%#
20) 2-Butanone-d5	4.65	46	185928	49.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.50%
24) Chloroform-d	5.08	84	77939	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.72	65	48919	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.74	84	139808	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	50481	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	118085	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	19036	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	138864	55.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50435	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52990	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
14) Carbon disulfide	2.81	76	5071	0.137 ug/L	97
30) Cyclohexane	5.41	56	866970	43.066 ug/L	96
33) Benzene	5.79	78	1360	0.028 ug/L	100
35) Methylcyclohexane	6.77	83	41502	2.232 ug/L	92
42) Toluene	7.98	91	69744	1.424 ug/L	99
51) Chlorobenzene	9.45	112	12670	0.400 ug/L	95
52) Ethylbenzene	9.57	91	43563	0.820 ug/L	96
53) m,p-Xylene	9.69	106	74072	3.741 ug/L	99
54) o-Xylene	10.10	106	10592	0.569 ug/L	96
56) Isopropylbenzene	10.48	105	200901	3.997 ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	6133	0.261 ug/L	94
63) 1,4-Dichlorobenzene	11.83	146	13558	0.555 ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	2524	0.111 ug/L #	87
68) 1,2,4-trichlorobenzene	13.83	180	147238	10.932 ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	40268	3.267 ug/L #	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 05:20:15 2020
Response via : Initial Calibration

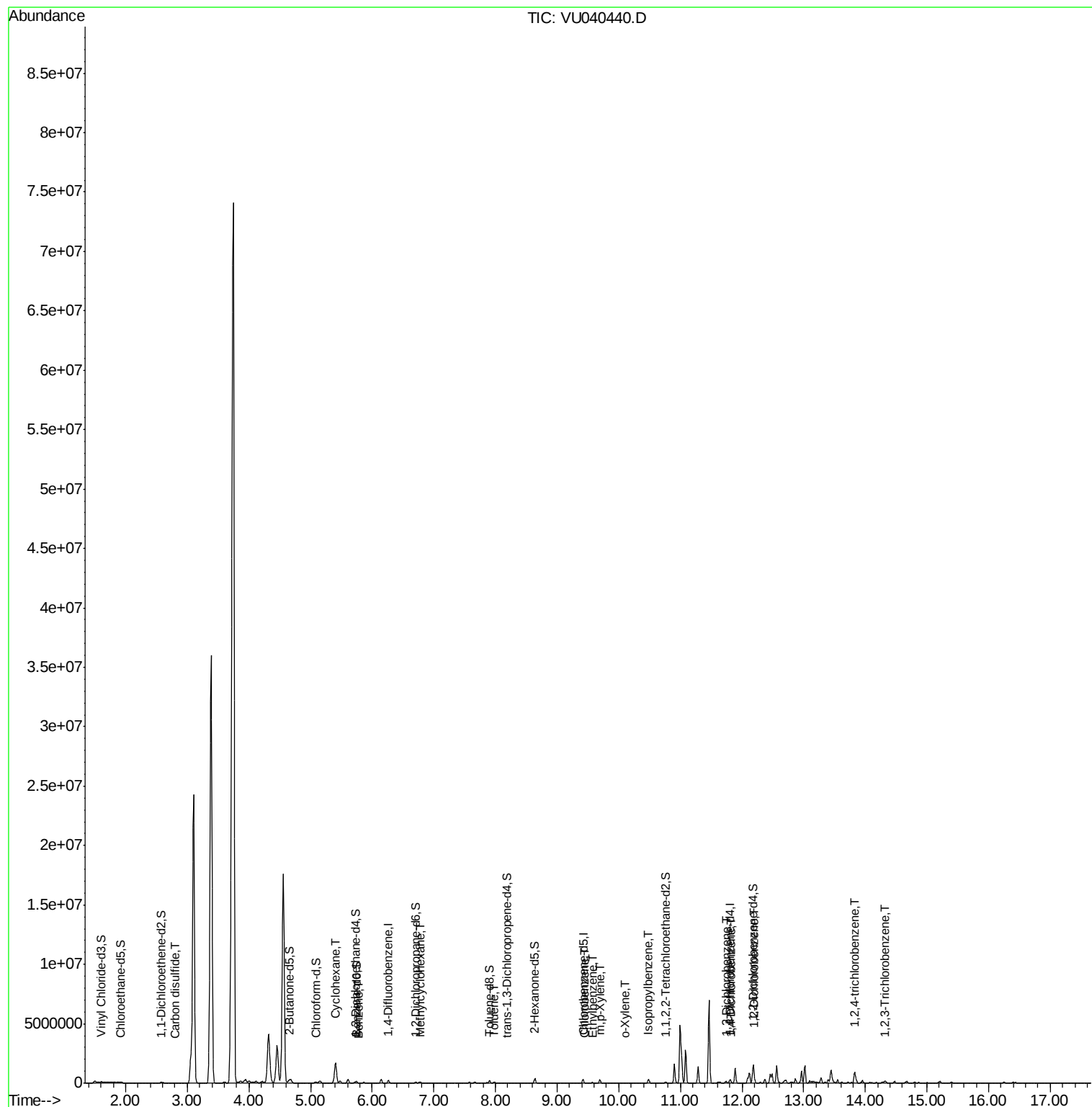
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

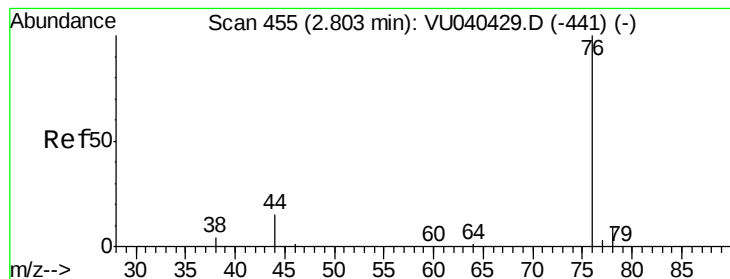
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.137 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

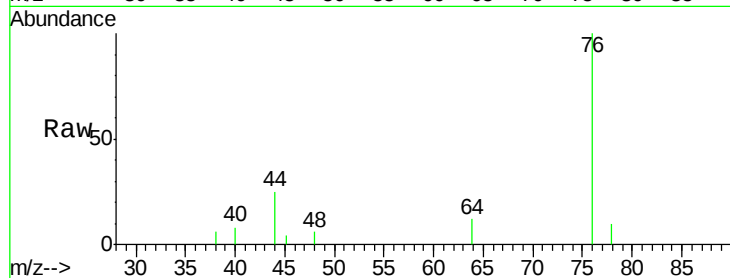
BG3T0

Tot Ion: 76 Resp: 5071

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8



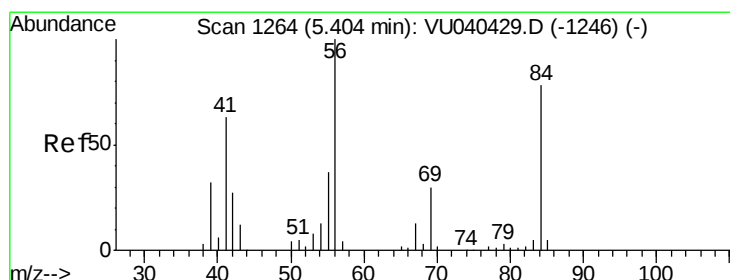
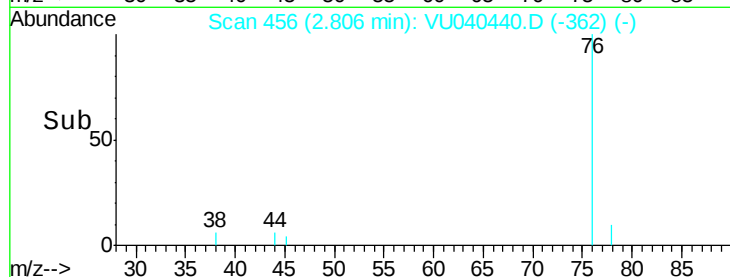
Abundance Ion 76.05 (75.75 to 76.75): VU040429.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040429.D (-441) (-)

2.81

2.85

Time-->



#30

Cyclohexane

Concen: 43.066 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

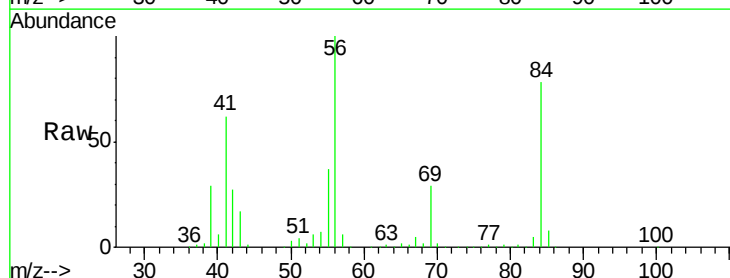
Tgt Ion: 56 Resp: 866970

Ion Ratio Lower Upper

56 100

69 28.1 23.3 34.9

84 76.2 64.2 96.4



Abundance Ion 56.10 (55.80 to 56.80): VU040429.D (-1246) (-)

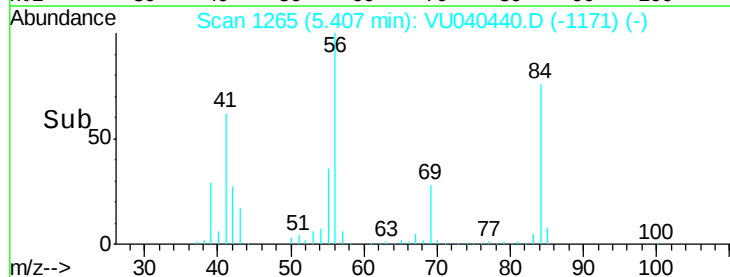
Ion 69.15 (68.85 to 69.85): VU040429.D (-1246) (-)

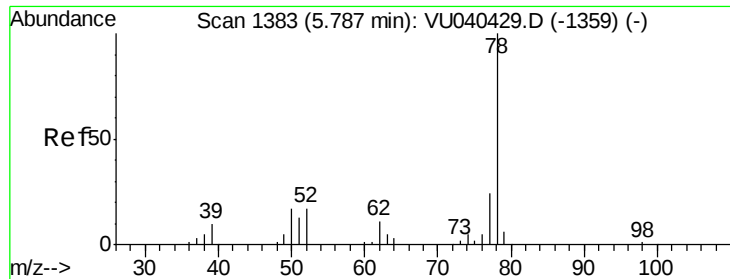
Ion 84.15 (83.85 to 84.85): VU040429.D (-1246) (-)

5.41

5.45

Time-->

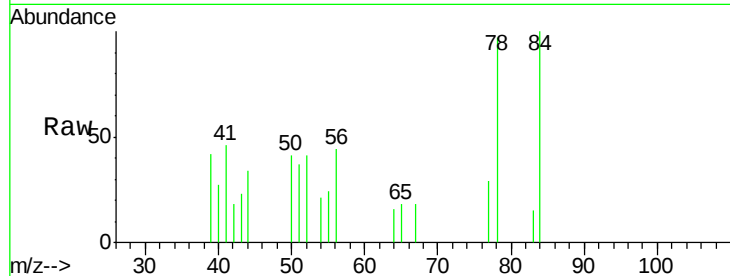




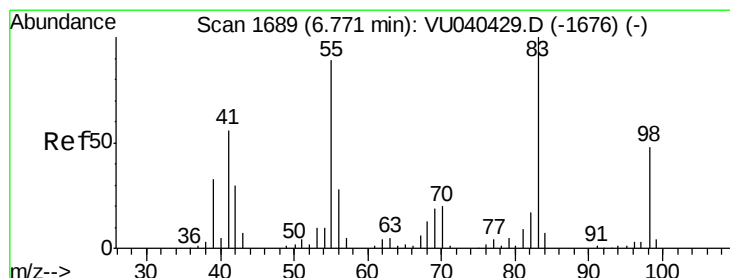
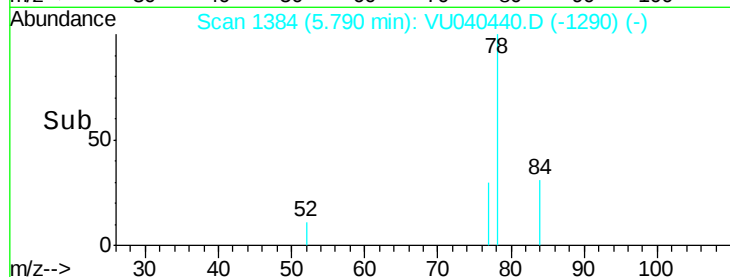
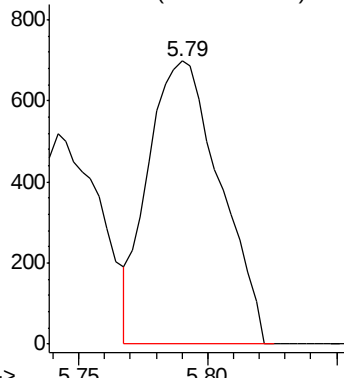
#33
Benzene
Concen: 0.028 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040440.D
Acq: 01 Oct 2020 23:24

Instrument :
MSVOA_U
ClientSampled :
BG3T0

Tgt Ion: 78 Resp: 1360



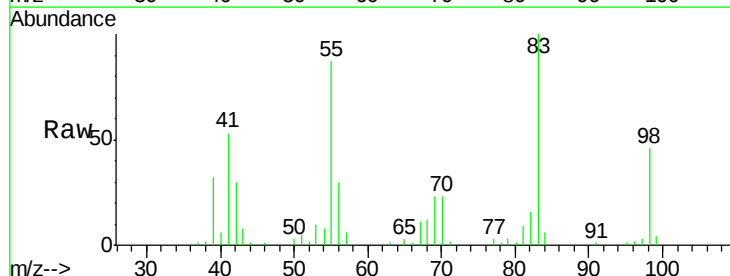
Abundance Ion 78.10 (77.80 to 78.80): VU0



#35
Methylcyclohexane
Concen: 2.232 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040440.D
Acq: 01 Oct 2020 23:24

Tgt Ion: 83 Resp: 41502

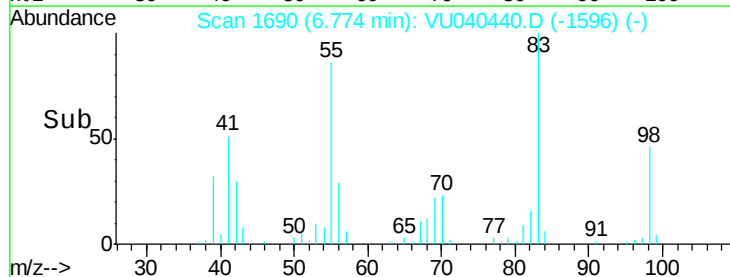
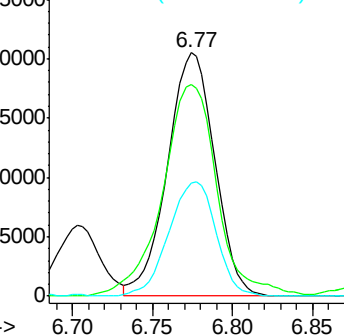
Ion	Ratio	Lower	Upper
83	100		
55	100.6	71.4	107.2
98	46.9	38.5	57.7

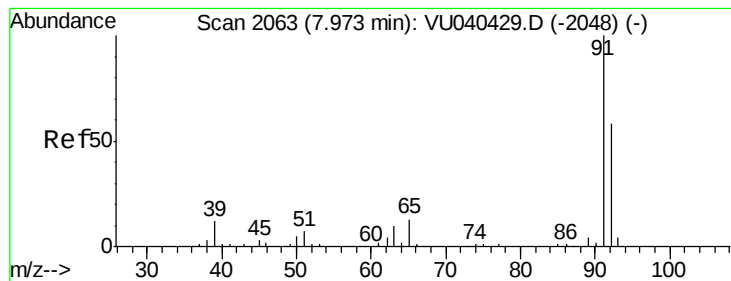


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 1.424 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

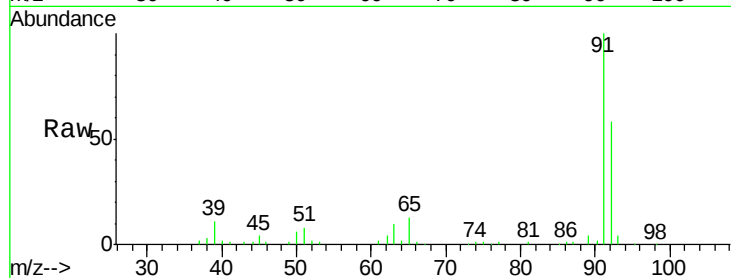
BG3T0

Tot Ion: 91 Resp: 69744

Ion Ratio Lower Upper

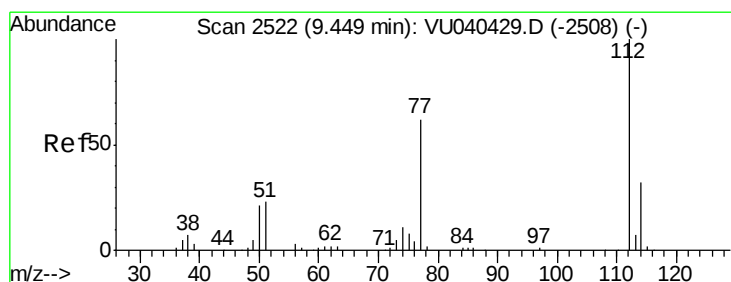
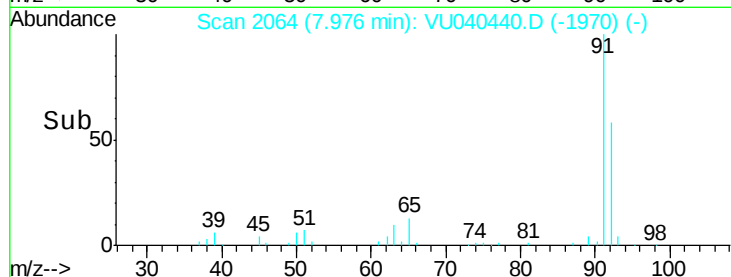
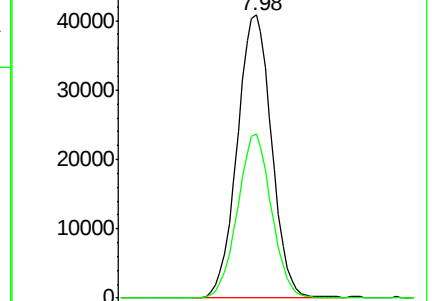
91 100

92 57.9 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040429.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040429.D (-2048) (-)



#51

Chlorobenzene

Concen: 0.400 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

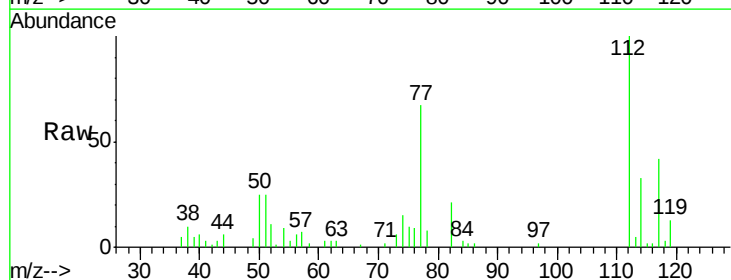
Tgt Ion: 112 Resp: 12670

Ion Ratio Lower Upper

112 100

114 33.0 22.0 40.8

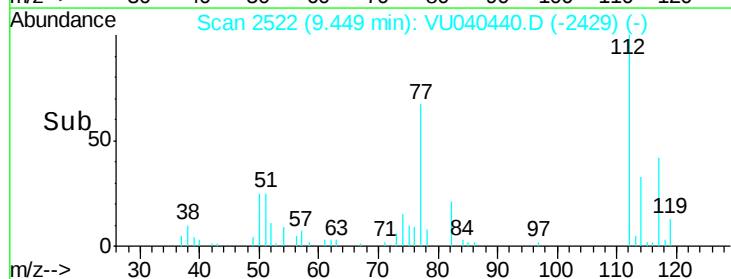
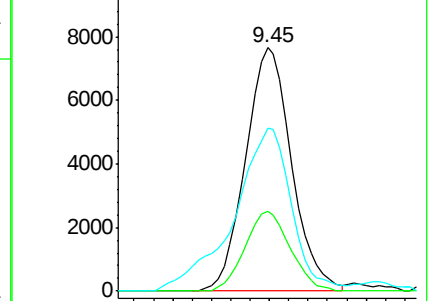
77 66.8 49.5 74.3

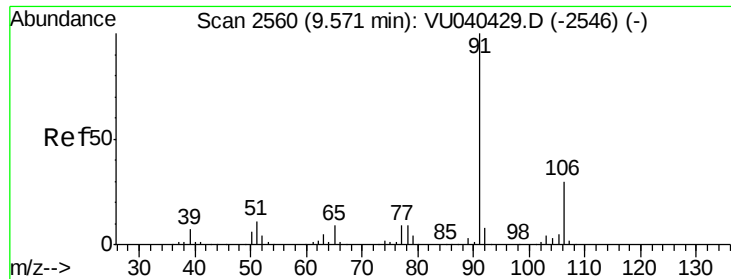


Abundance Ion 112.10 (111.80 to 112.80): VU040429.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU040429.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU040429.D (-2508) (-)





#52

Ethylbenzene

Concen: 0.820 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

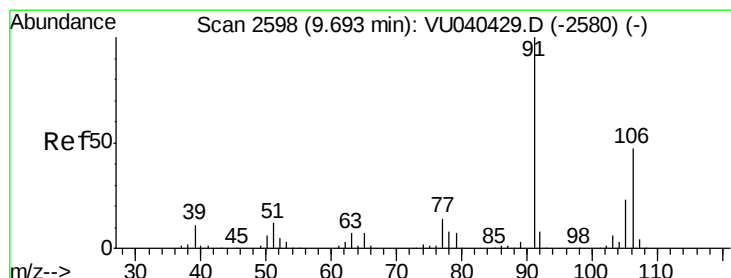
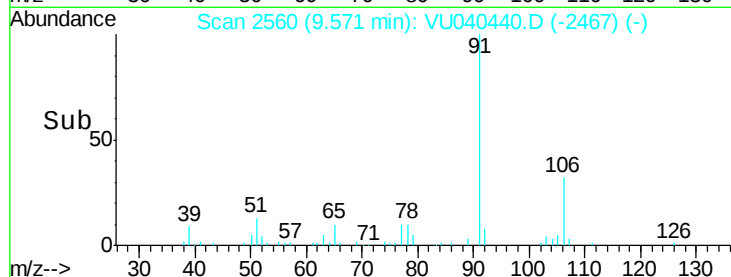
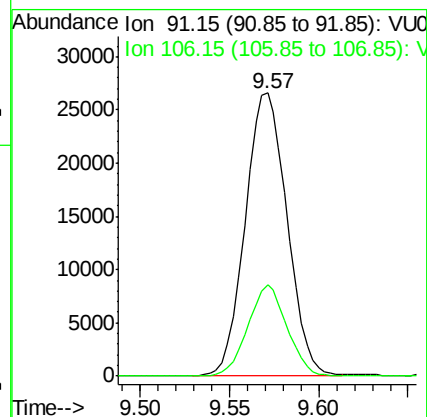
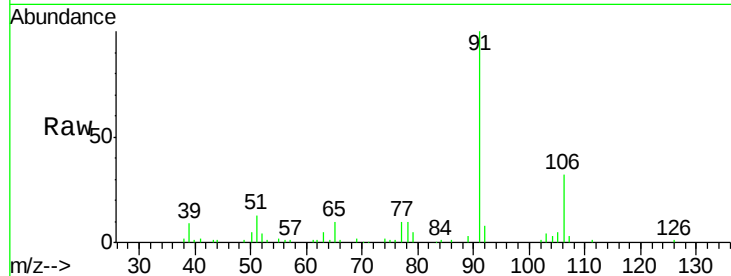
BG3T0

Tot Ion: 91 Resp: 43563

Ion Ratio Lower Upper

91 100

106 32.1 21.1 39.3



#53

m,p-Xylene

Concen: 3.741 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040440.D

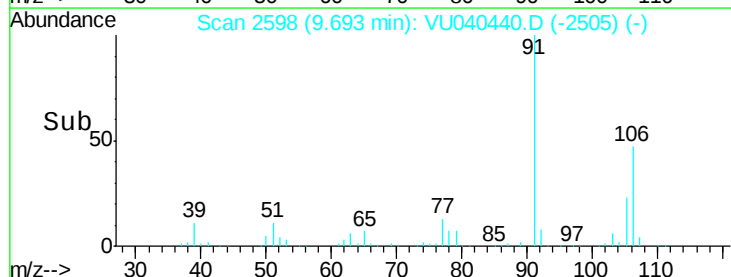
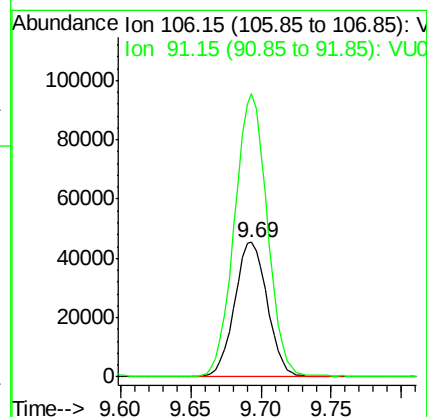
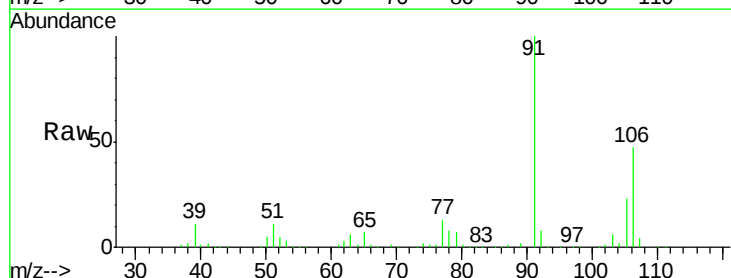
Acq: 01 Oct 2020 23:24

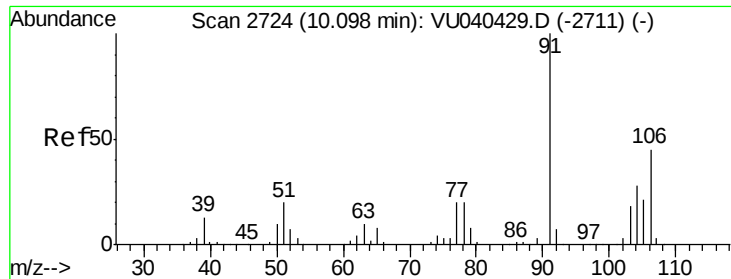
Tgt Ion: 106 Resp: 74072

Ion Ratio Lower Upper

106 100

91 210.6 149.0 276.6

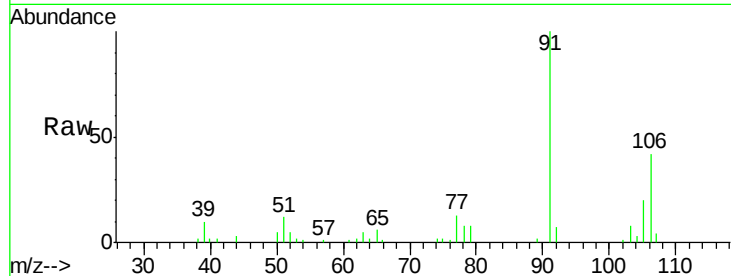




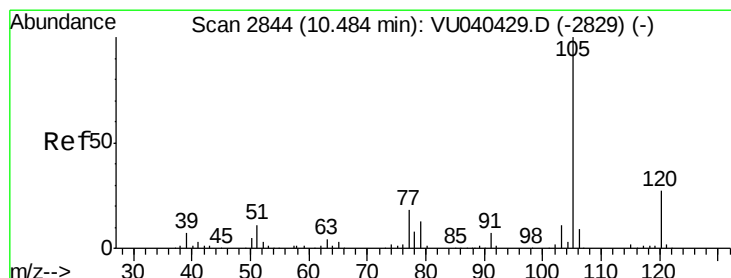
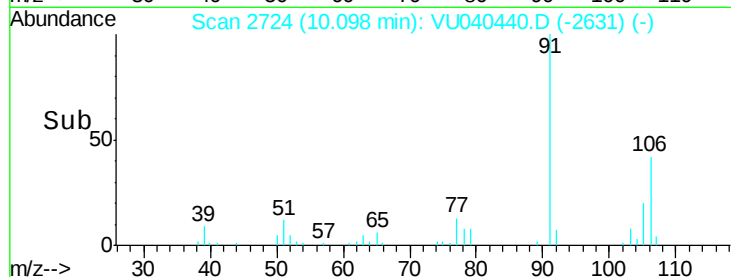
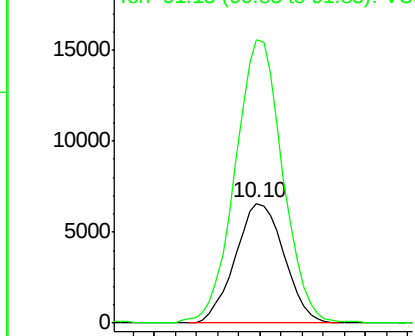
#54
o-Xylene
Concen: 0.569 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040440.D
Acq: 01 Oct 2020 23:24

Instrument :
MSVOA_U
ClientSampleId :
BG3T0

Tot Ion:106 Resp: 10592
Ion Ratio Lower Upper
106 100
91 235.7 160.9 298.9

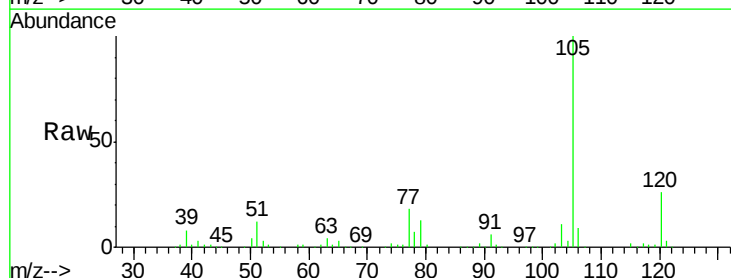


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

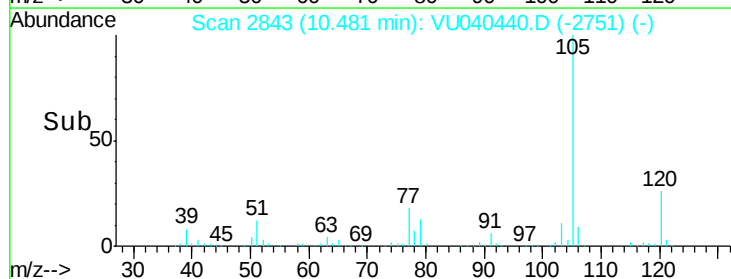
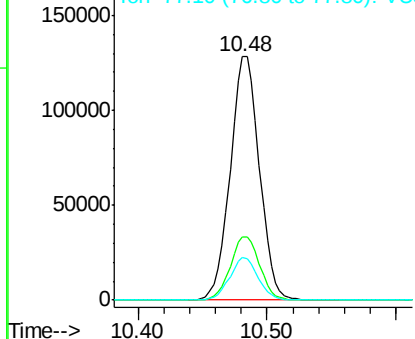


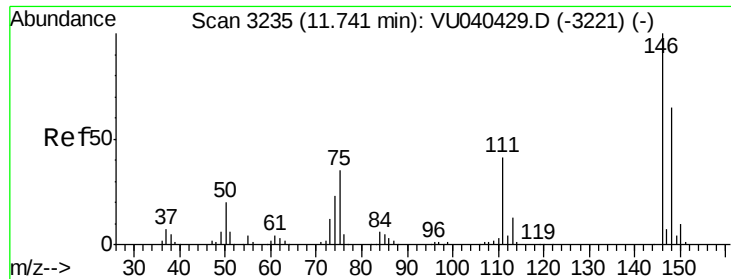
#56
Isopropylbenzene
Concen: 3.997 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040440.D
Acq: 01 Oct 2020 23:24

Tgt Ion:105 Resp: 200901
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8
77 17.0 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: 0.261 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

BG3T0

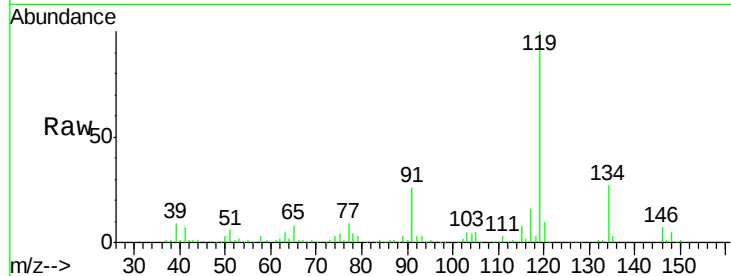
Tot Ion:146 Resp: 6133

Ion Ratio Lower Upper

146 100

111 45.9 28.6 53.0

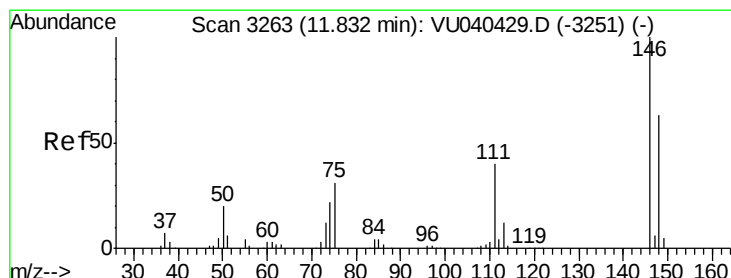
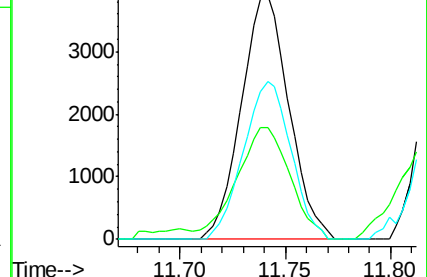
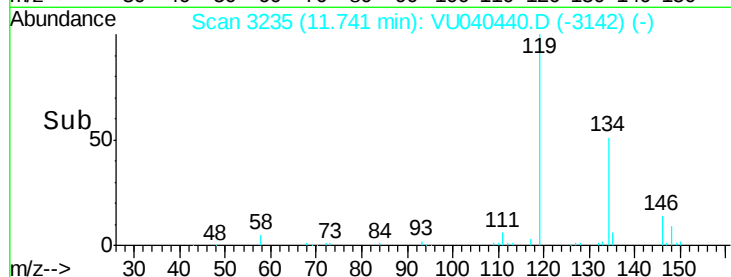
148 65.0 43.4 80.6



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: 0.555 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

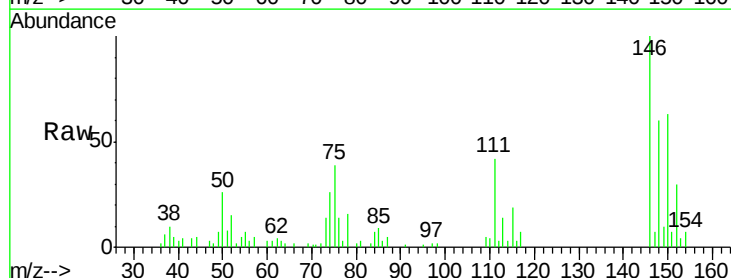
Tgt Ion:146 Resp: 13558

Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

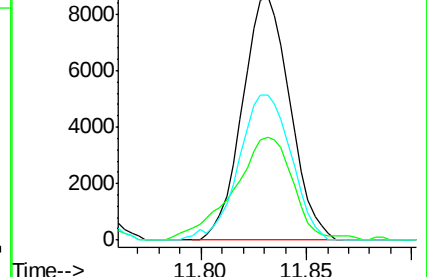
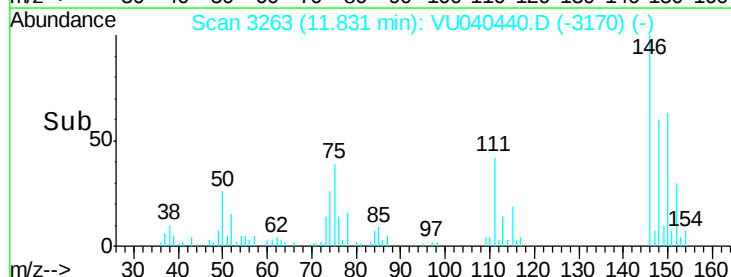
148 59.6 44.4 82.4

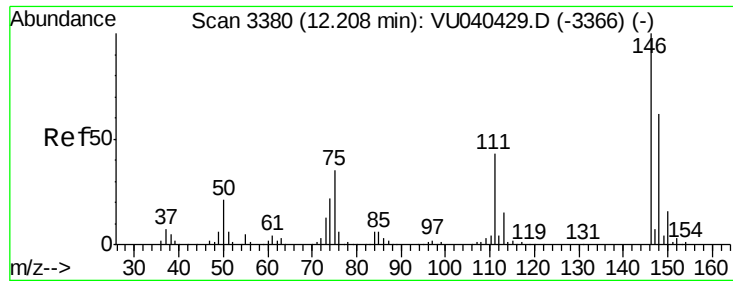


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.111 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

BG3T0

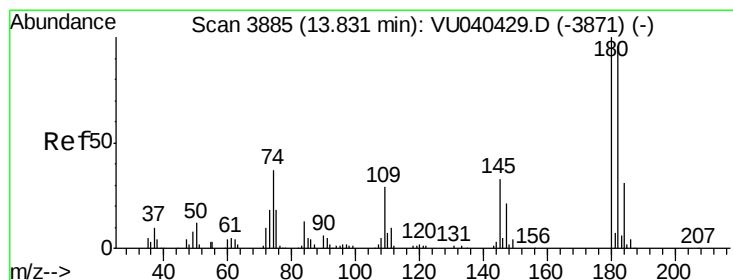
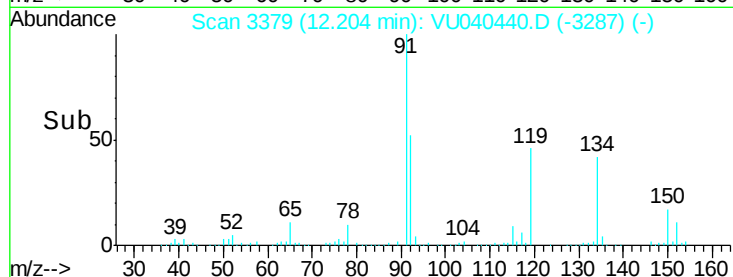
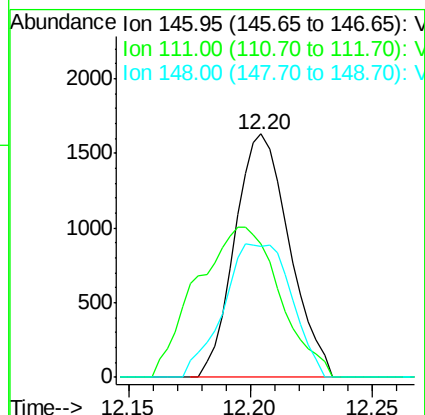
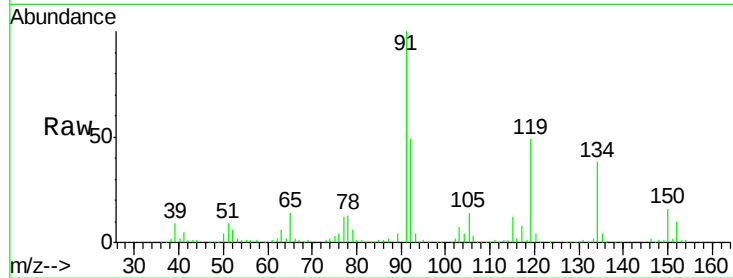
Tot Ion:146 Resp: 2524

Ion Ratio Lower Upper

146 100

111 54.7 35.6 53.4#

148 53.8 49.8 74.6



#68

1,2,4-trichlorobenzene

Concen: 10.932 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU040440.D

Acq: 01 Oct 2020 23:24

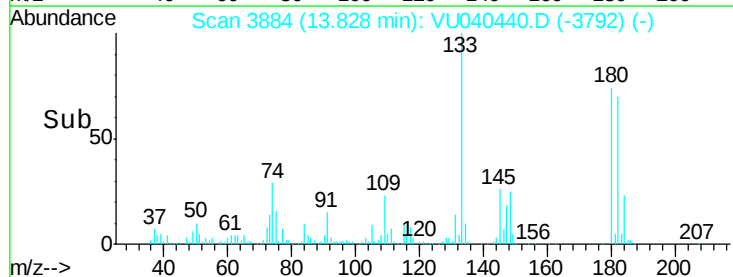
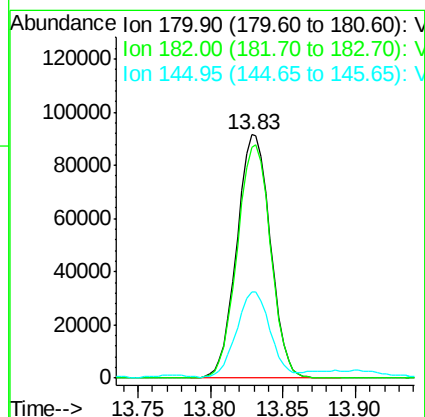
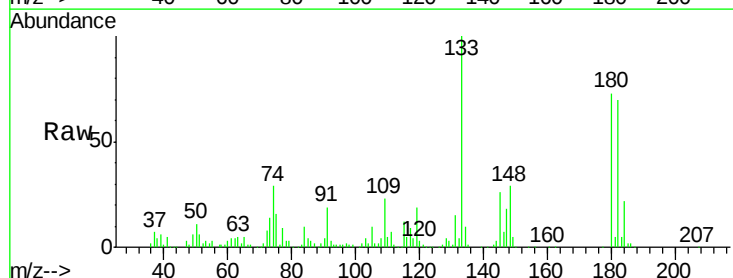
Tgt Ion:180 Resp: 147238

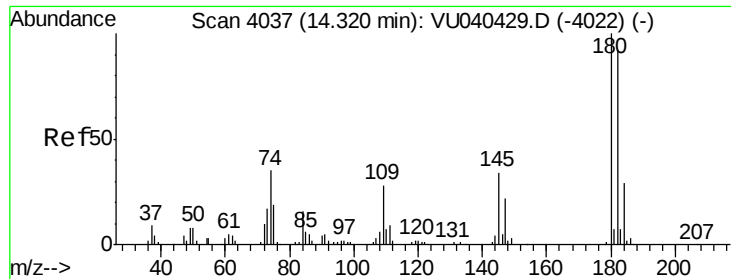
Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

145 35.1 26.3 39.5





#70
 1,2,3-Trichlorobenzene
 Concen: 3.267 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040440.D
 Acq: 01 Oct 2020 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T0

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	115.0
145	44.7	27.8	41.6

