

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052020\
 Data File : VU038250.D
 Acq On : 20 May 2020 16:15
 Operator : JC/MD
 Sample : L2724-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 01:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:14:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	313227	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	305397	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	147535	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142650	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.93	69	124616	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.59	63	177601	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.67	46	417363	59.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.08%
24) Chloroform-d	5.10	84	230985	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.74	65	138527	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.76	84	488792	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.72	67	159634	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.92	98	427511	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	8.20	79	59681	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.65	63	330953	59.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	128952	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	160458	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

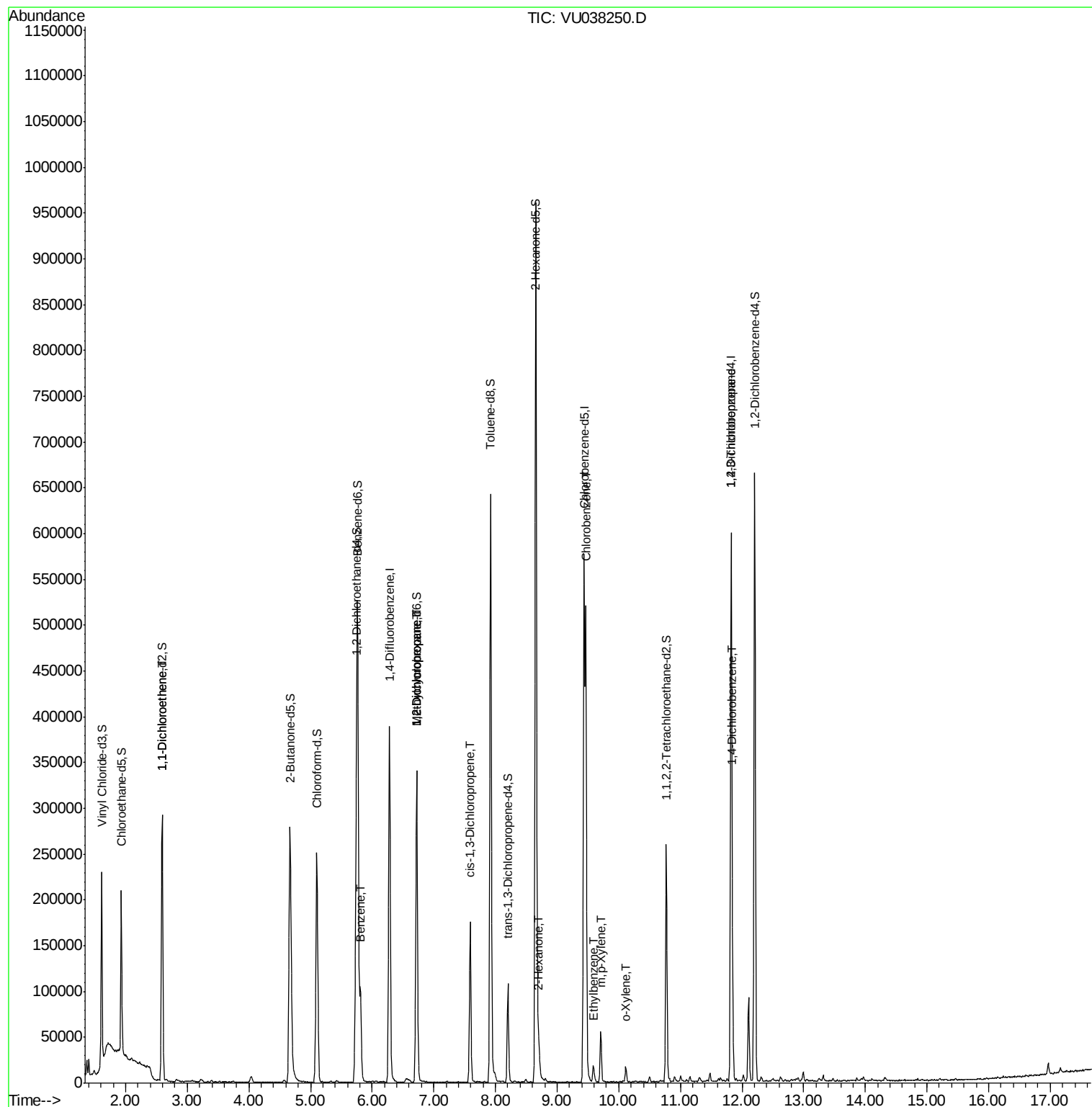
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1336	0.061	ug/L #	1
33) Benzene	5.81	78	90509	0.925	ug/L	100
35) Methylcyclohexane	6.72	83	34840	0.879	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16842	0.634	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4110	0.108	ug/L #	81
48) 2-Hexanone	8.71	43	19875	1.474	ug/L #	96
51) Chlorobenzene	9.47	112	256565	4.005	ug/L	99
52) Ethylbenzene	9.59	91	12631	0.113	ug/L	97
53) m,p-Xylene	9.71	106	14765	0.344	ug/L	100
54) o-Xylene	10.11	106	4229	0.102	ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	29446	1.652	ug/L	90
63) 1,4-Dichlorobenzene	11.85	146	27748	0.570	ug/L	97

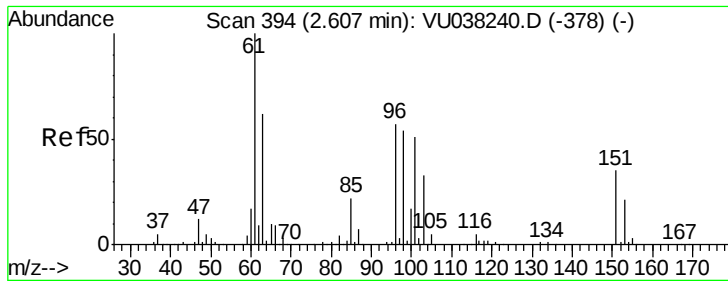
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038250.D

Acq: 20 May 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

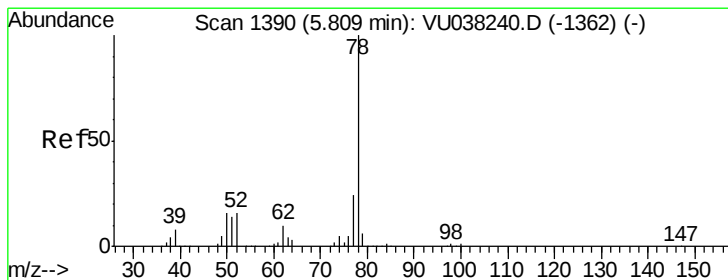
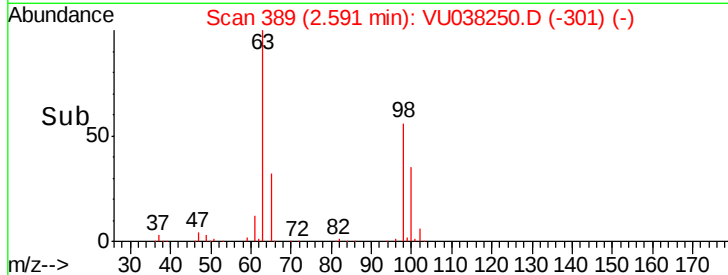
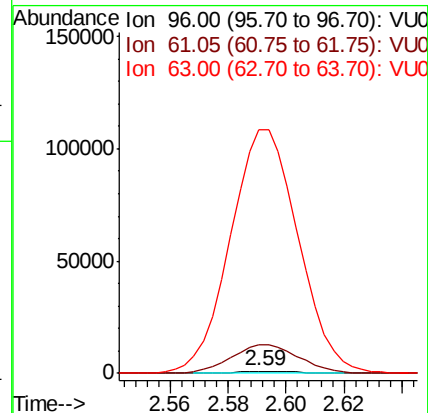
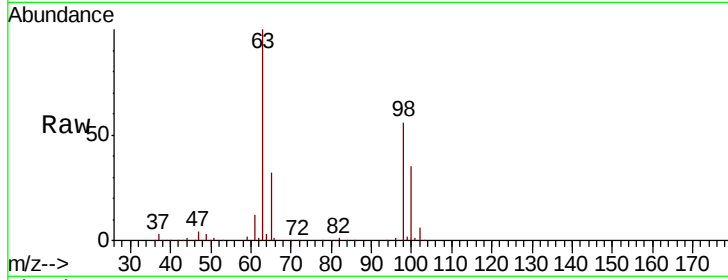
Tot Ion: 96 Resp: 1336

Ion Ratio Lower Upper

96 100

61 1321.7 126.2 234.4#

63 11355.0 96.9 179.9#



#33

Benzene

Concen: 0.925 ug/L

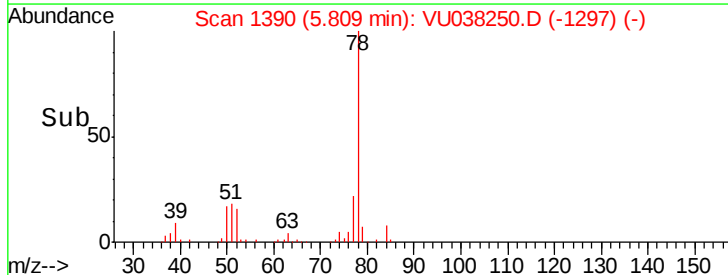
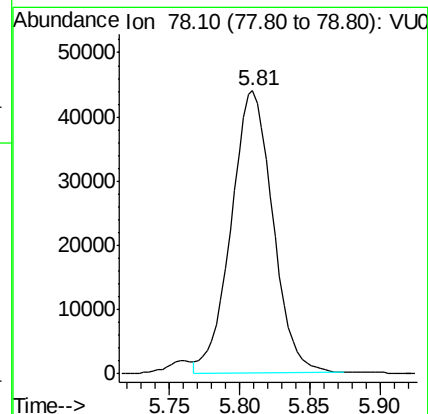
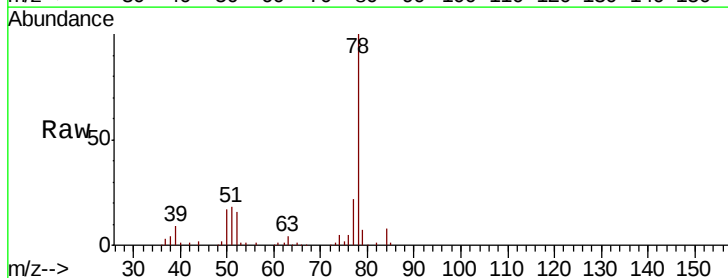
RT: 5.81 min Scan# 1390

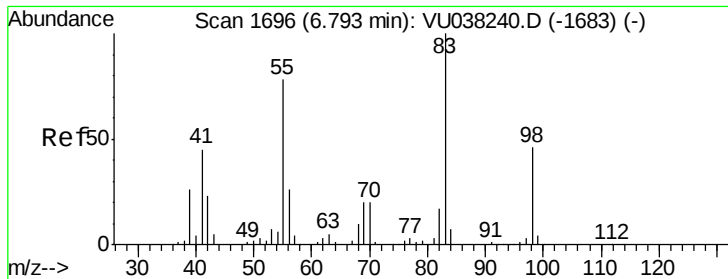
Delta R.T. -0.00 min

Lab File: VU038250.D

Acq: 20 May 2020 16:15

Tgt Ion: 78 Resp: 90509





#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038250.D

Acq: 20 May 2020 16:15

Instrument :
MSVOA_U
ClientSampled :

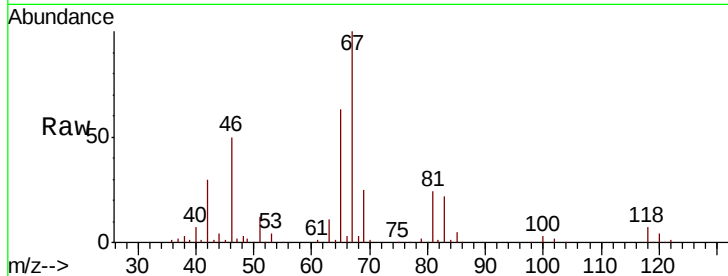
Tot Ion: 83 Resp: 34840

Ion Ratio Lower Upper

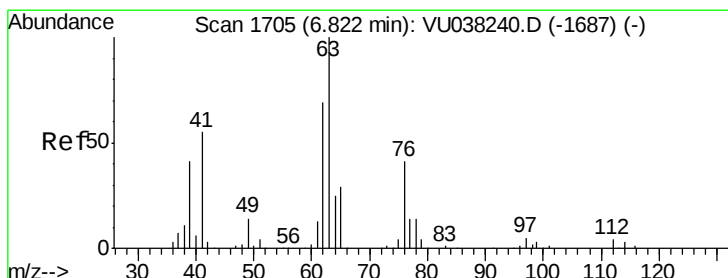
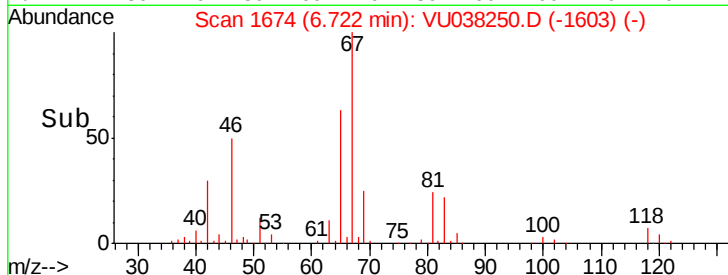
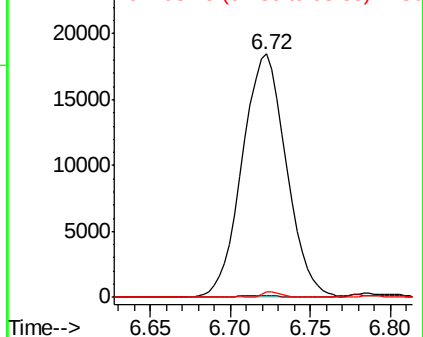
83 100

55 0.6 66.7 100.1#

98 0.9 39.4 59.2#



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



#37

1,2-Dichloropropane

Concen: 0.634 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038250.D

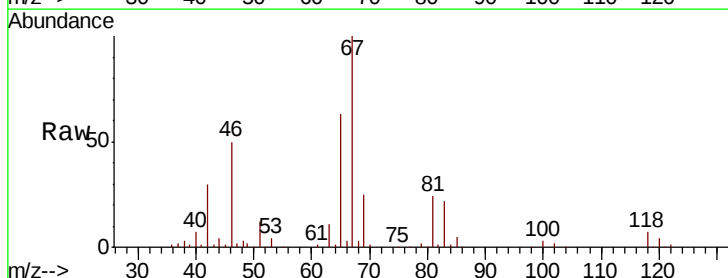
Acq: 20 May 2020 16:15

Tgt Ion: 63 Resp: 16842

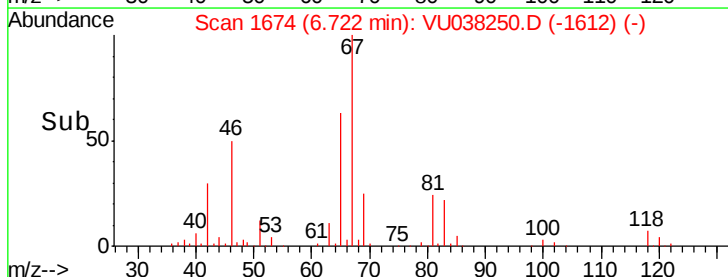
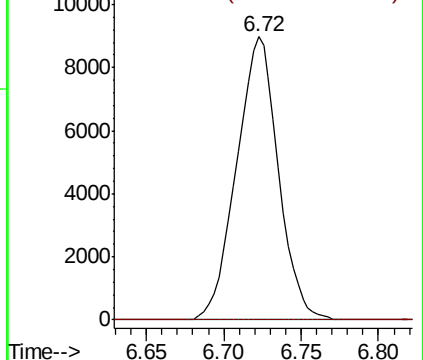
Ion Ratio Lower Upper

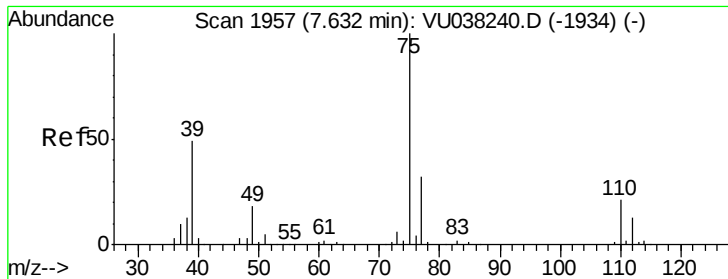
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

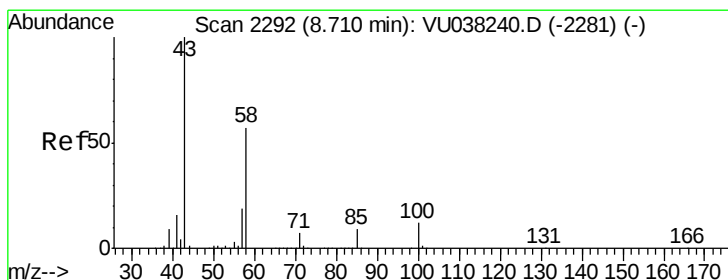
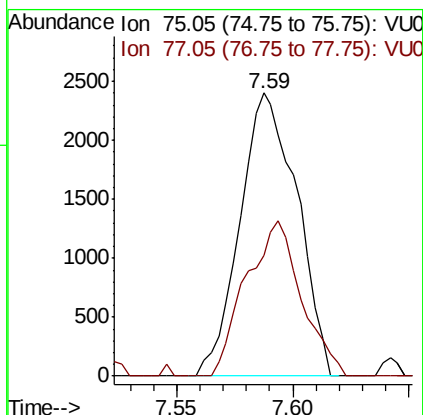
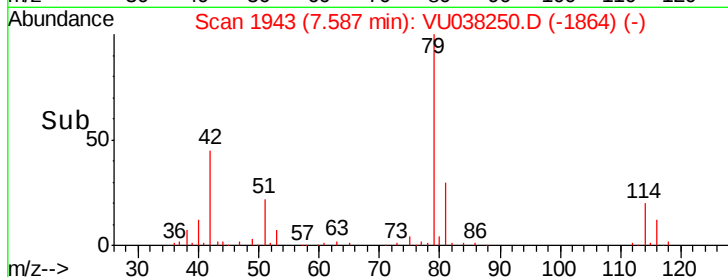
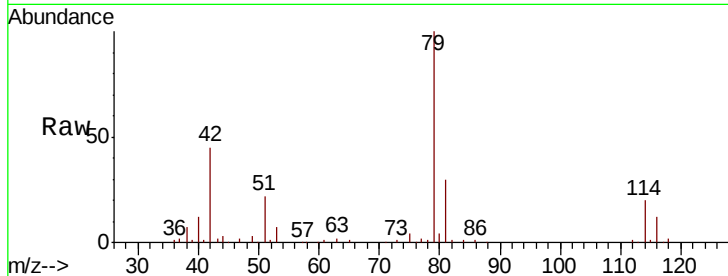




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038250.D
 Acq: 20 May 2020 16:15

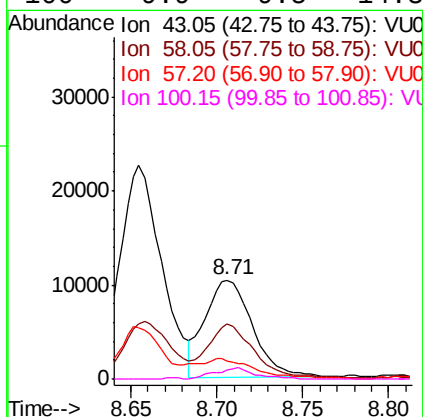
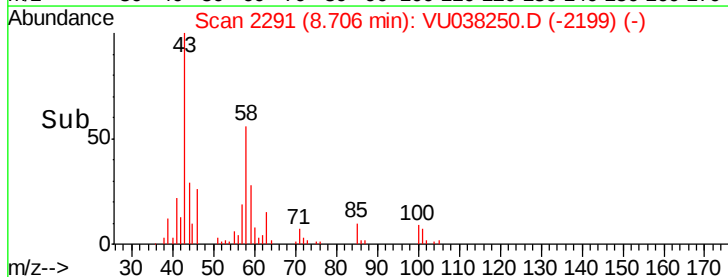
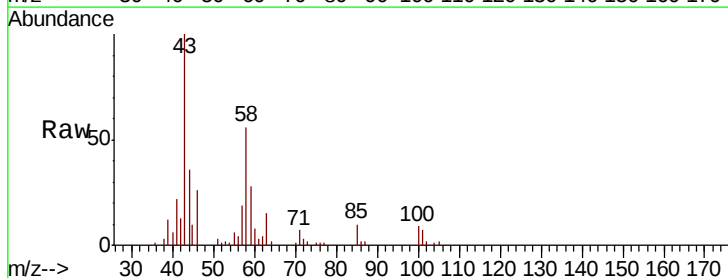
Instrument :
 MSVOA_U
 ClientSampleId :

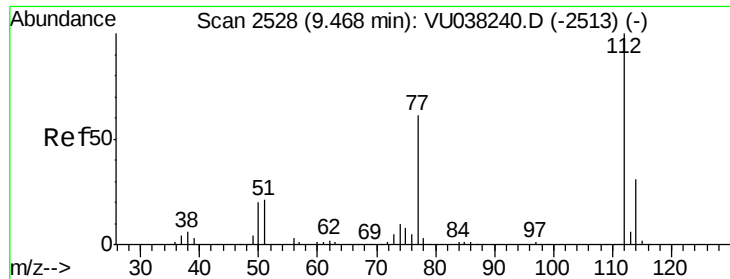
Tot Ion: 75 Resp: 4110
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.4 41.6#



#48
 2-Hexanone
 Concen: 1.474 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038250.D
 Acq: 20 May 2020 16:15

Tgt Ion: 43 Resp: 19875
 Ion Ratio Lower Upper
 43 100
 58 57.8 45.2 67.8
 57 23.6 15.5 23.3#
 100 9.9 9.5 14.3





#51

Chlorobenzene

Concen: 4.005 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038250.D

Acq: 20 May 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

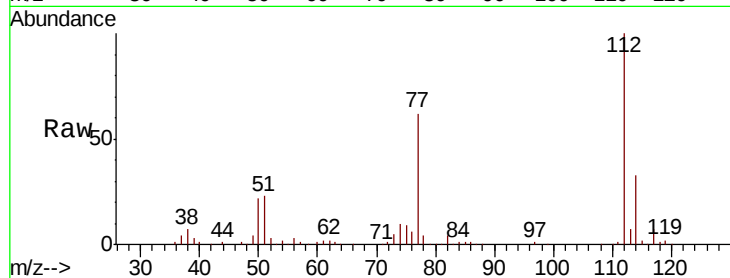
Tot Ion:112 Resp: 256565

Ion Ratio Lower Upper

112 100

114 32.8 22.5 41.7

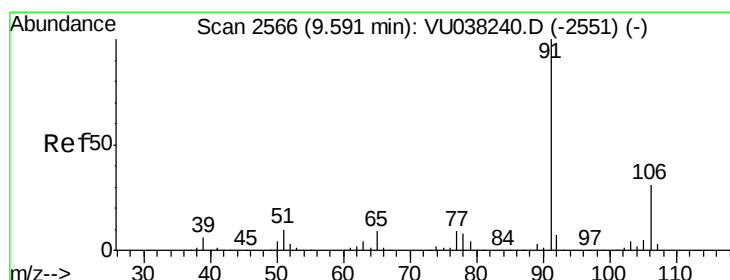
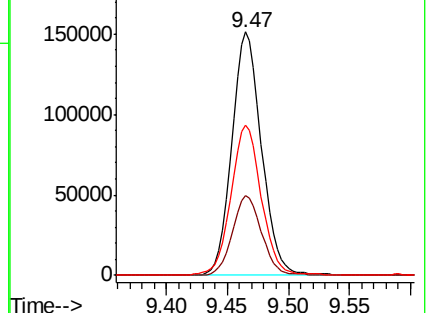
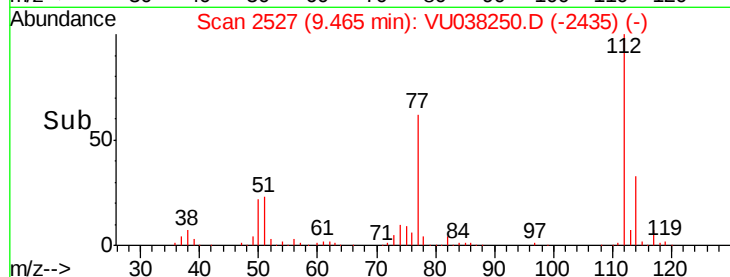
77 61.9 49.9 74.9



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: 0.113 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038250.D

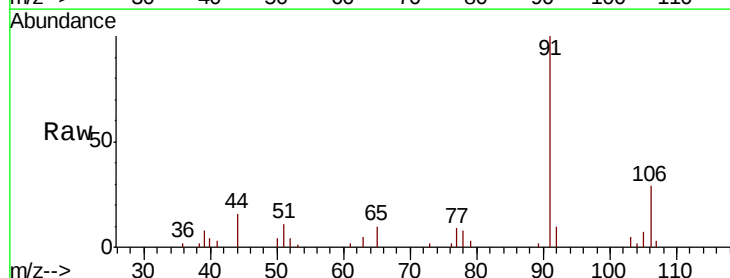
Acq: 20 May 2020 16:15

Tgt Ion: 91 Resp: 12631

Ion Ratio Lower Upper

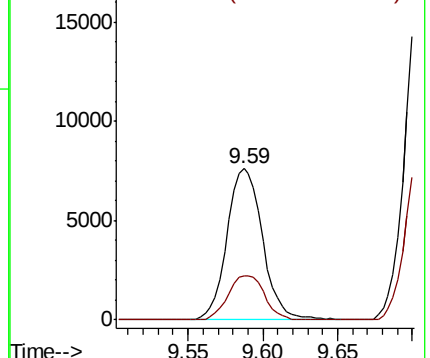
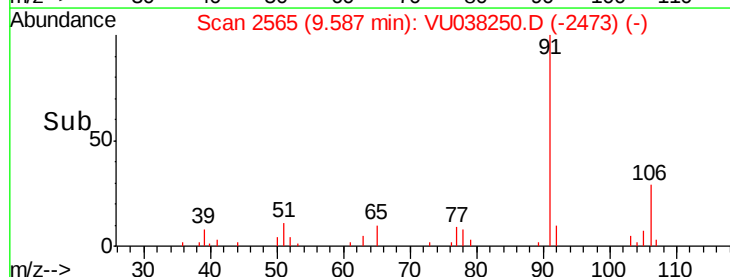
91 100

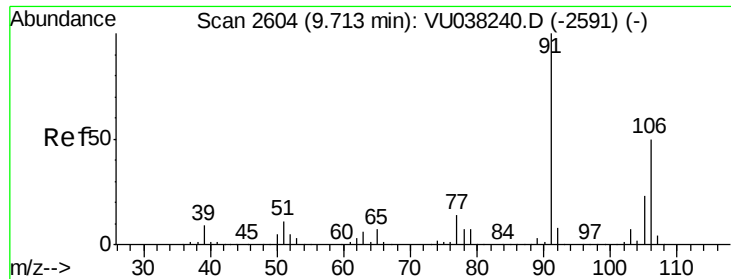
106 29.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.344 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038250.D

Acq: 20 May 2020 16:15

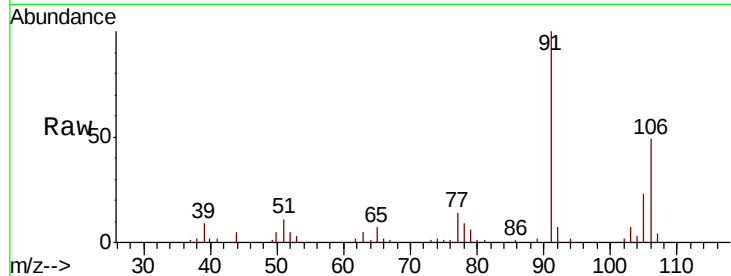
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 14765

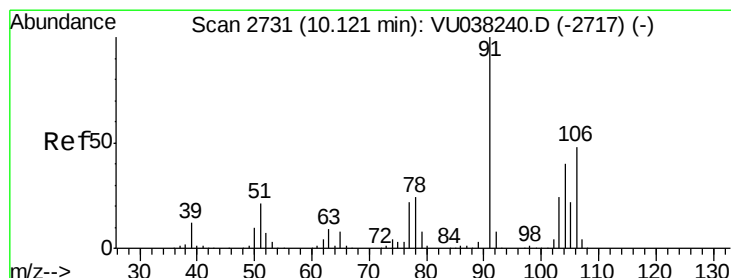
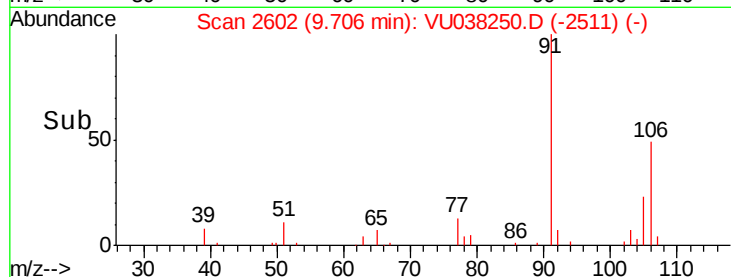
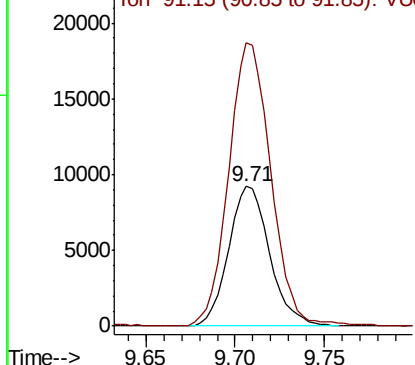
Ion Ratio Lower Upper

106 100

91 202.7 142.1 263.9



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



#54

o-Xylene

Concen: 0.102 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038250.D

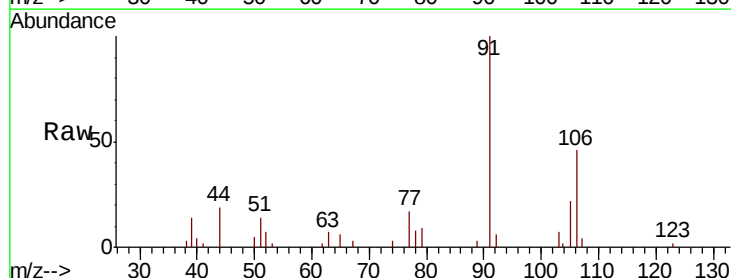
Acq: 20 May 2020 16:15

Tgt Ion:106 Resp: 4229

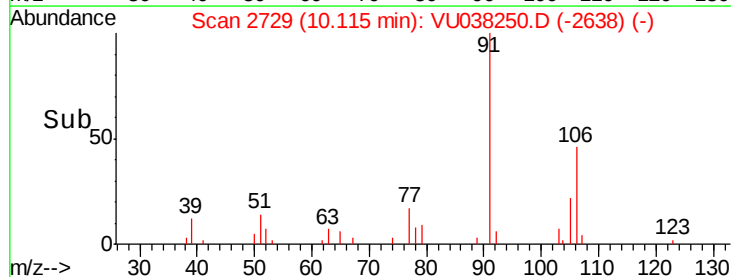
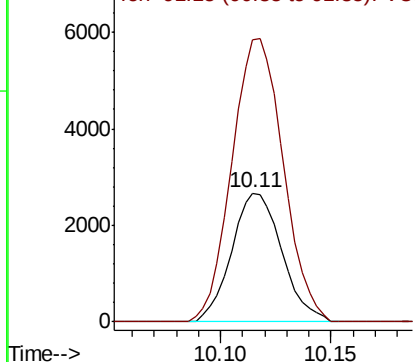
Ion Ratio Lower Upper

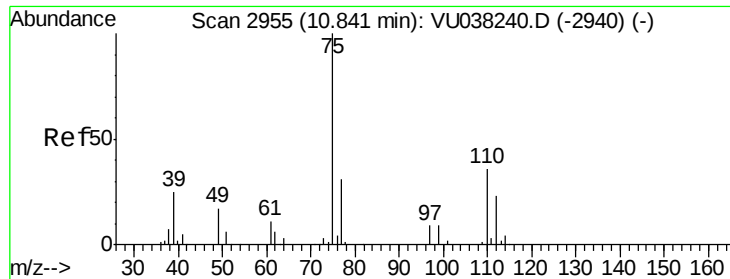
106 100

91 219.0 148.5 275.9



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

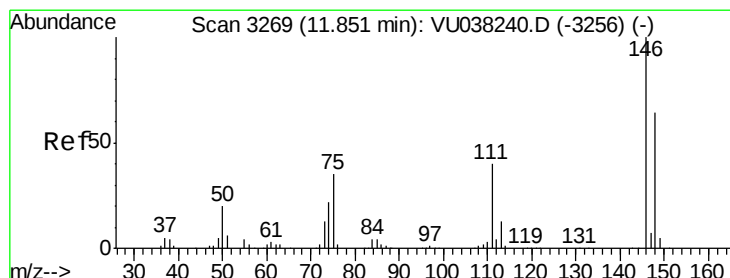
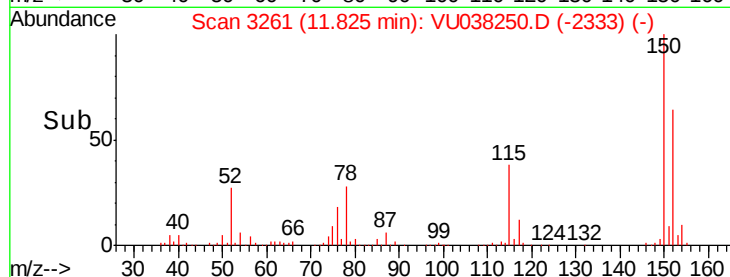
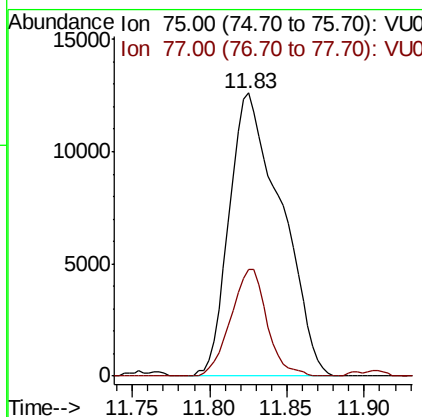
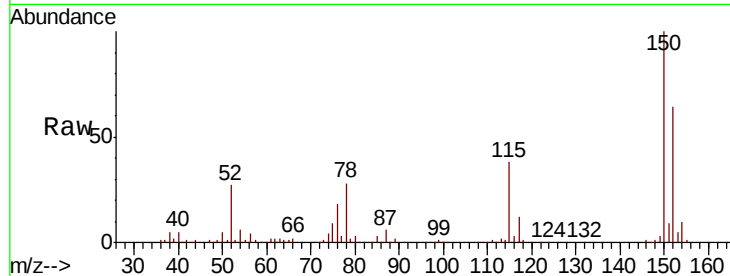




#59
 1,2,3-Trichloropropane
 Concen: 1.652 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038250.D
 Acq: 20 May 2020 16:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 29446
 Ion Ratio Lower Upper
 75 100
 77 26.2 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.570 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038250.D
 Acq: 20 May 2020 16:15

Tgt Ion: 146 Resp: 27748
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.2 50.6
 148 61.2 43.8 81.3

