

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037833.D
 Acq On : 21 Apr 2020 18:30
 Operator : JC/MD
 Sample : L2317-05DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:19:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 22 02:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	511527	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	493365	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	237135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204763	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.56%
7) Chloroethane-d5	1.93	69	172779	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.62%
11) 1,1-Dichloroethene-d2	2.59	63	269032	34.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.60%
21) 2-Butanone-d5	4.66	46	370799	99.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	5.10	84	341475	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.74	65	247061	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
32) Benzene-d6	5.76	84	743754	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
36) 1,2-Dichloropropane-d6	6.72	67	249115	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.88%
41) Toluene-d8	7.92	98	665465	47.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.16%
43) trans-1,3-Dichloropropene-	8.20	79	121643	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
47) 2-Hexanone-d5	8.65	63	264399	98.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.37%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	332916	47.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.10%
64) 1,2-Dichlorobenzene-d4	12.20	152	245717	49.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.26%

Target Compounds

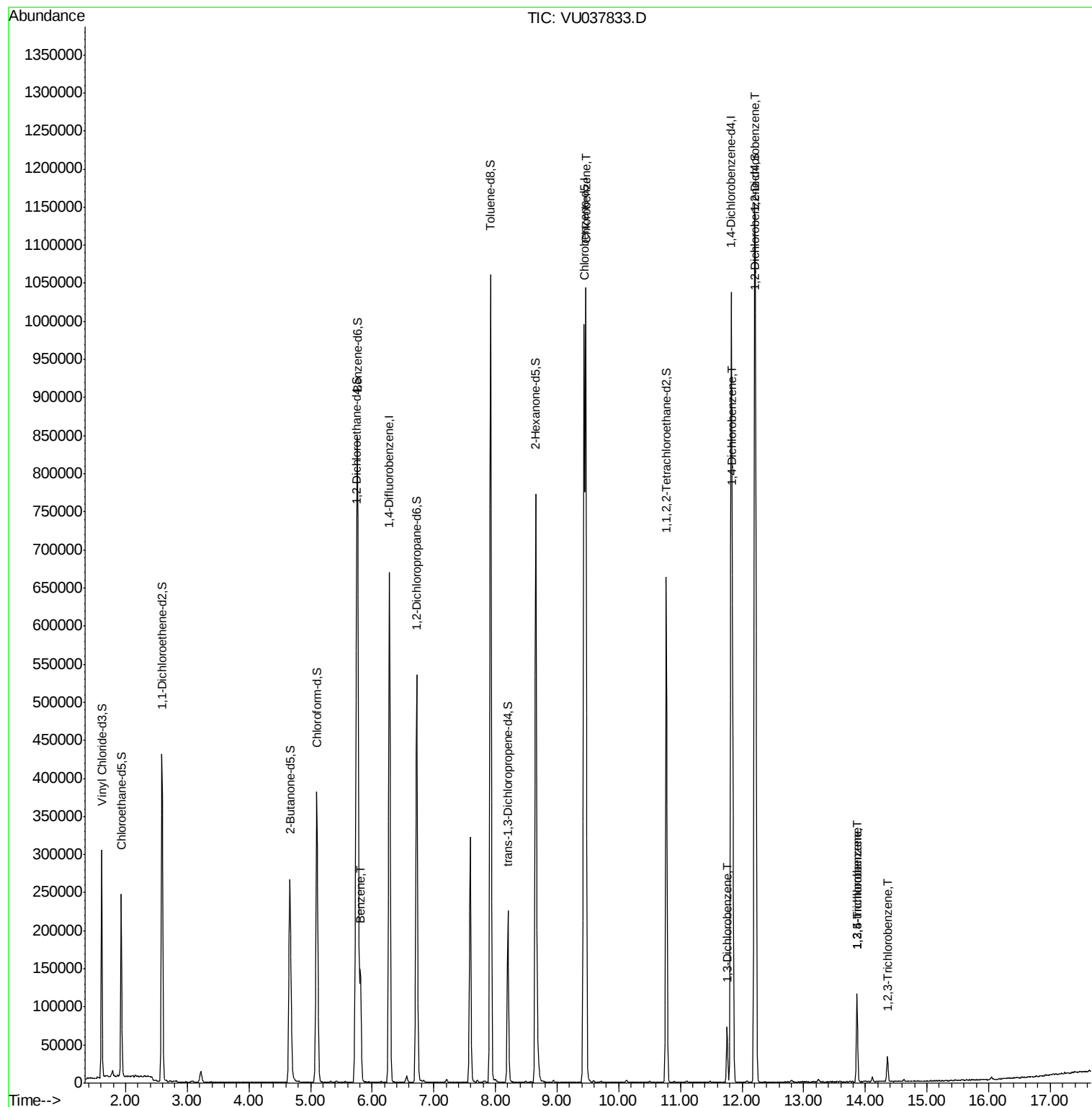
					Ovalue
33) Benzene	5.81	78	133537	8.258	ug/L 100
51) Chlorobenzene	9.47	112	509823	47.673	ug/L 99
62) 1,3-Dichlorobenzene	11.76	146	26709	3.330	ug/L 99
63) 1,4-Dichlorobenzene	11.85	146	190787	23.558	ug/L 98
65) 1,2-Dichlorobenzene	12.22	146	236455	29.883	ug/L 99
67) 1,3,5-Trichlorobenzene	13.87	180	34412	5.910	ug/L 99
68) 1,2,4-trichlorobenzene	13.87	180	34412	6.213	ug/L 100
70) 1,2,3-Trichlorobenzene	14.36	180	9588	1.740	ug/L 97

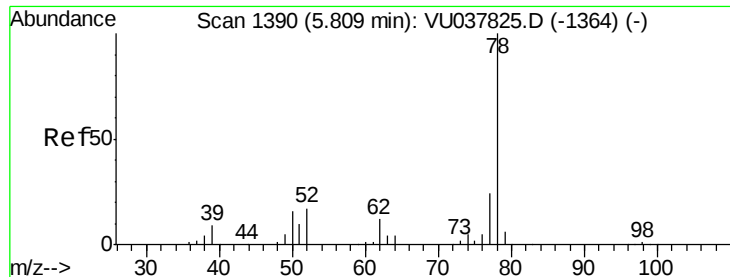
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042120\
Data File : VU037833.D
Acq On : 21 Apr 2020 18:30
Operator : JC/MD
Sample : L2317-05DL 500X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Apr 22 02:19:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 22 02:16:18 2020
Response via : Initial Calibration





#33

Benzene

Concen: 8.258 ug/L

RT: 5.81 min Scan# 1389

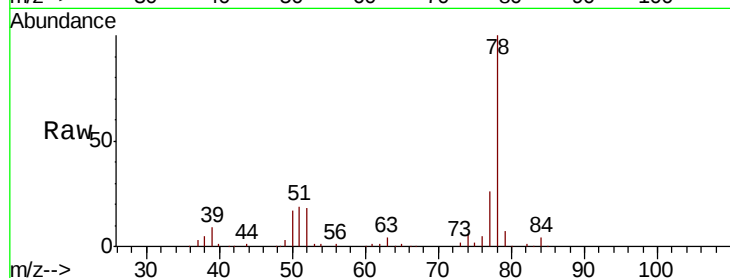
Delta R.T. -0.00 min

Lab File: VU037833.D

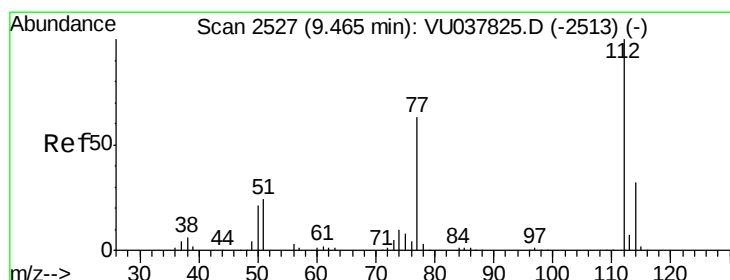
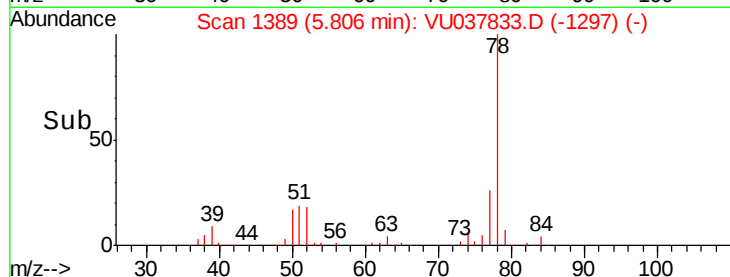
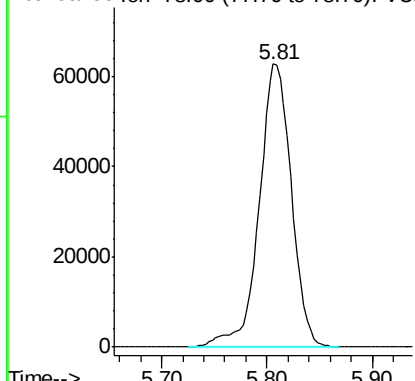
Acq: 21 Apr 2020 18:30

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 133537



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 47.673 ug/L

RT: 9.47 min Scan# 2527

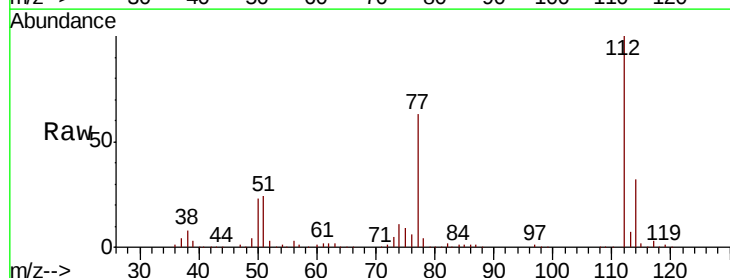
Delta R.T. 0.00 min

Lab File: VU037833.D

Acq: 21 Apr 2020 18:30

Tgt Ion: 112 Resp: 509823

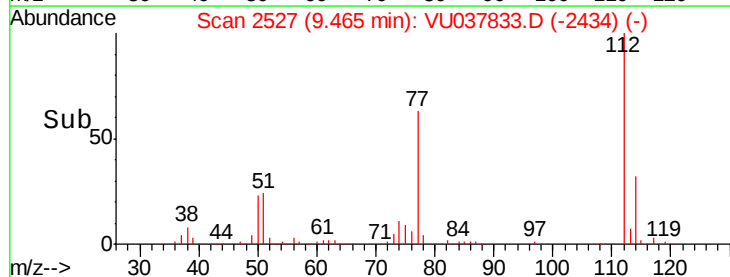
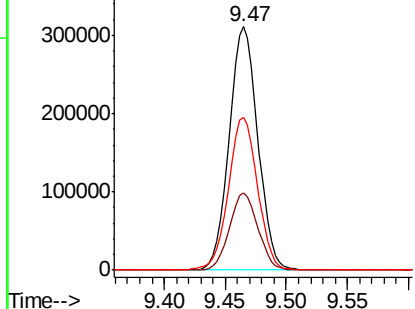
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	62.8	49.1	73.7

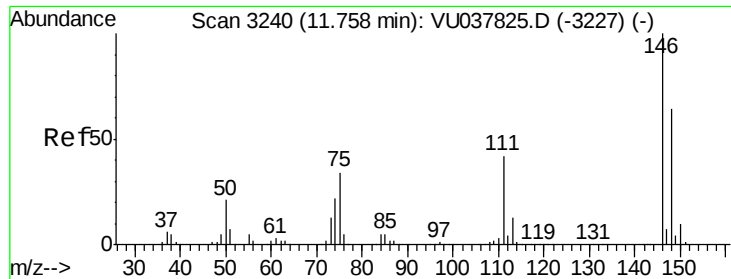


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

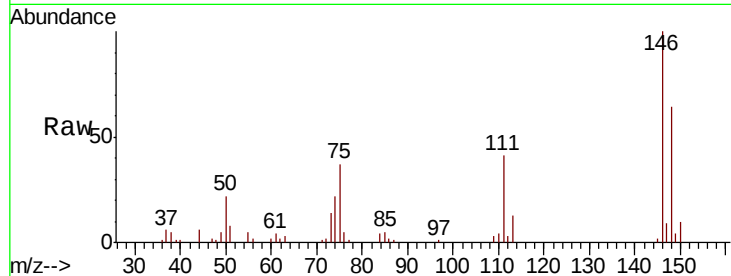




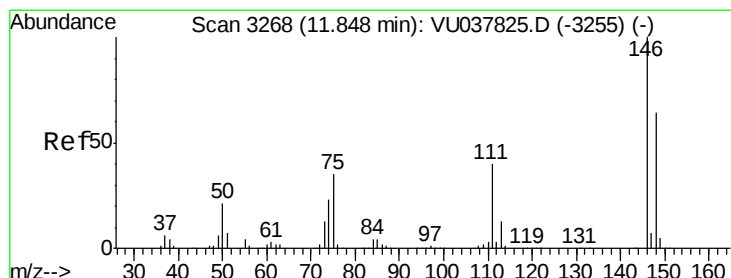
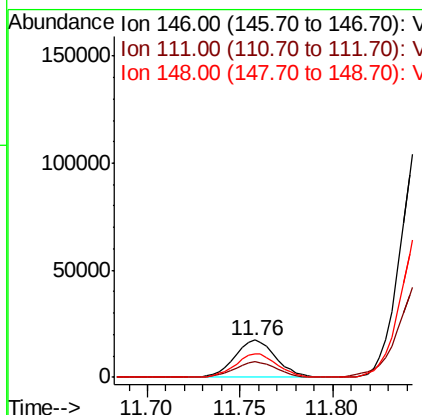
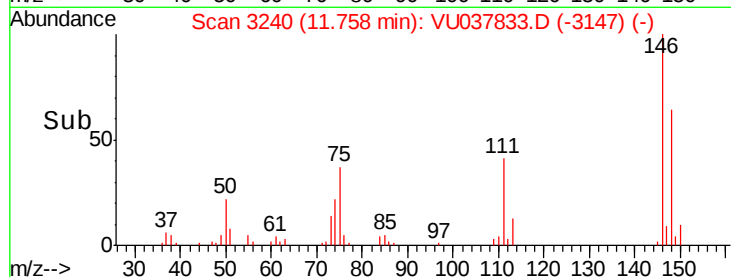
#62
 1,3-Dichlorobenzene
 Concen: 3.330 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037833.D
 Acq: 21 Apr 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 26709
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.9 53.7
 148 64.2 45.5 84.5

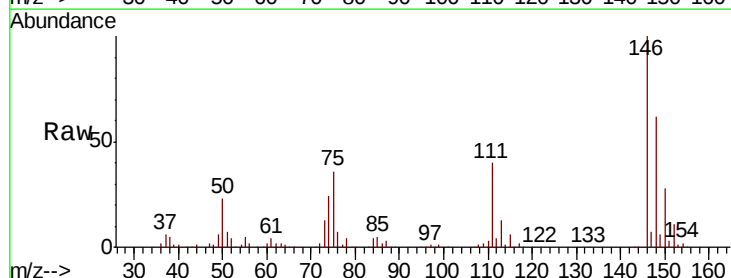


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

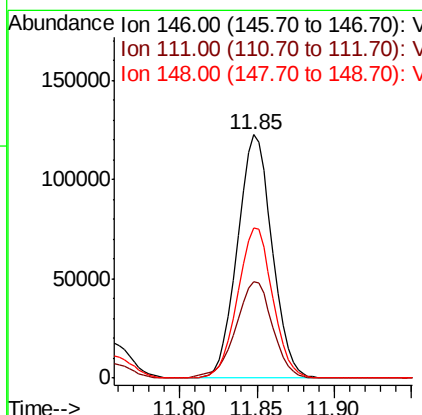
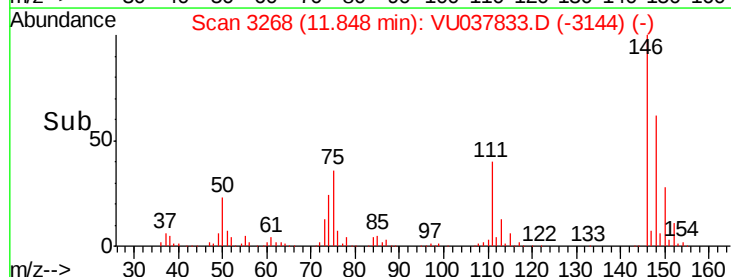


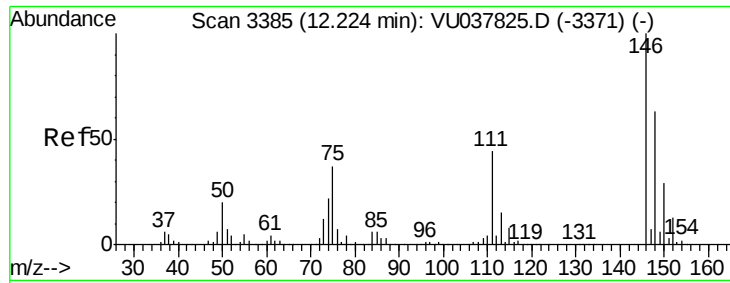
#63
 1,4-Dichlorobenzene
 Concen: 23.558 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037833.D
 Acq: 21 Apr 2020 18:30

Tgt Ion:146 Resp: 190787
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.6 53.2
 148 61.9 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 29.883 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037833.D

Acq: 21 Apr 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

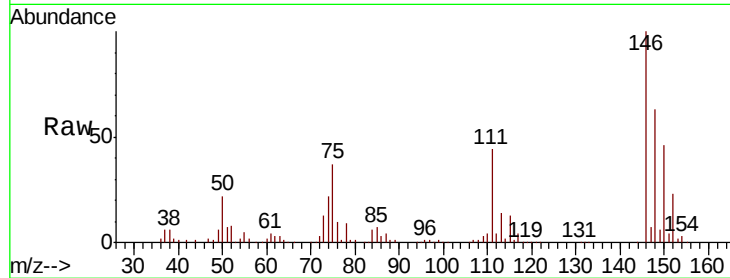
Tot Ion:146 Resp: 236455

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

148 63.1 51.3 76.9

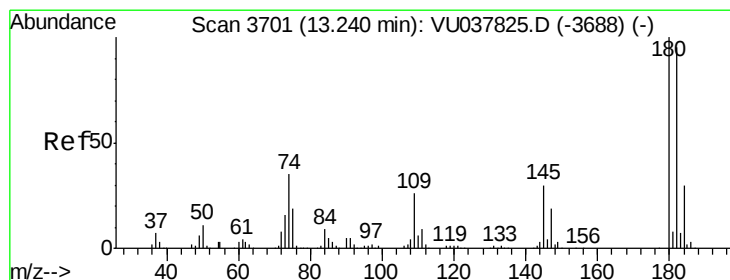
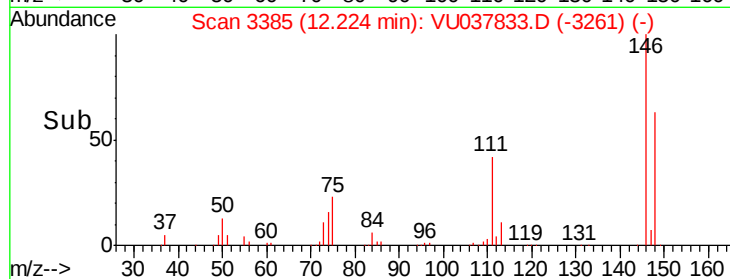
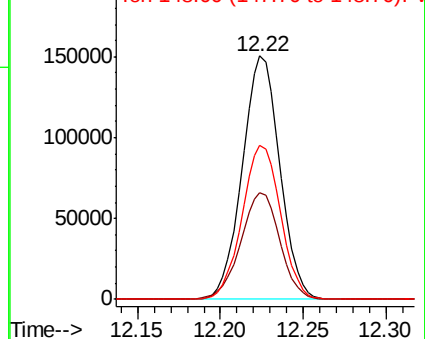


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 5.910 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.63 min

Lab File: VU037833.D

Acq: 21 Apr 2020 18:30

Tgt Ion:180 Resp: 34412

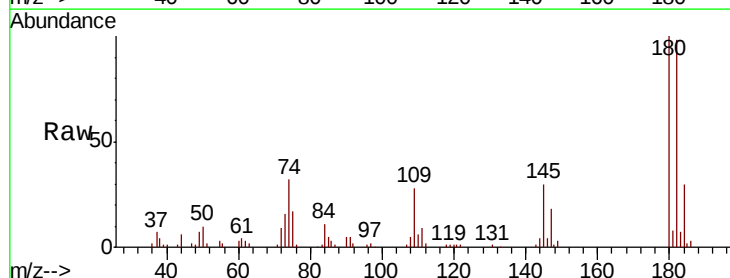
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

184 30.0 24.7 37.1

145 30.2 23.7 35.5



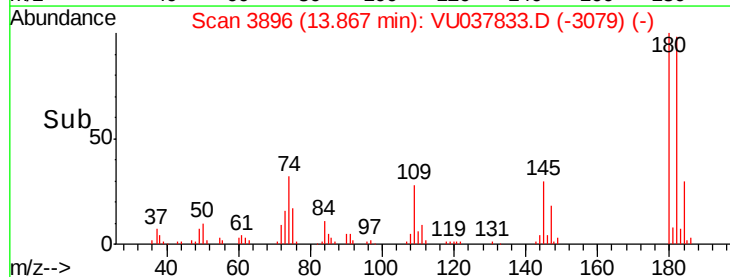
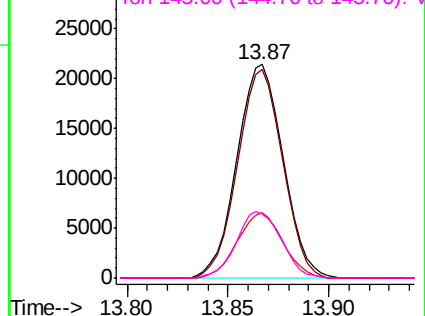
Abundance

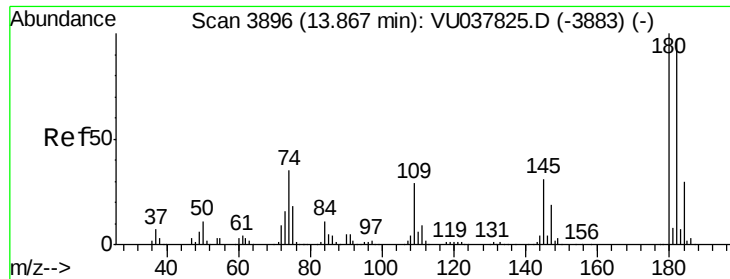
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

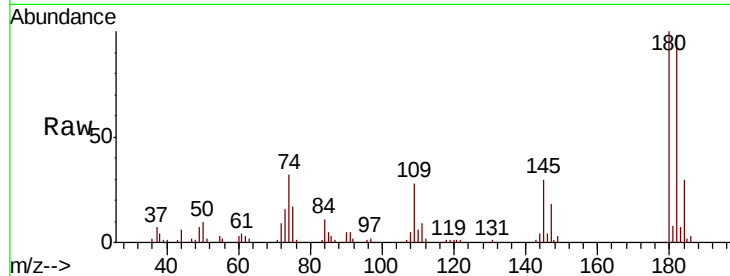




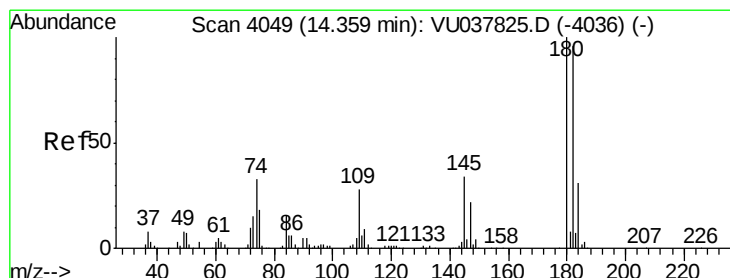
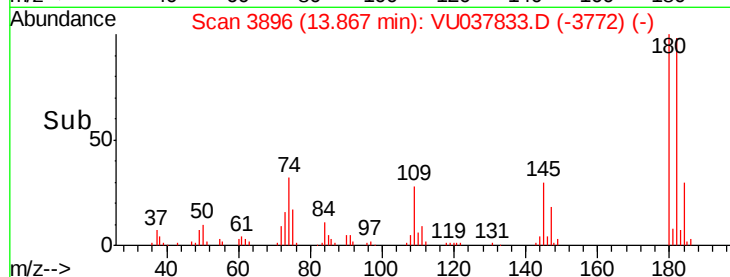
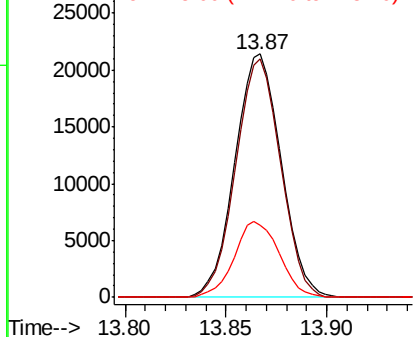
#68
 1,2,4-trichlorobenzene
 Concen: 6.213 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037833.D
 Acq: 21 Apr 2020 18:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 34412
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 145 30.2 24.3 36.5

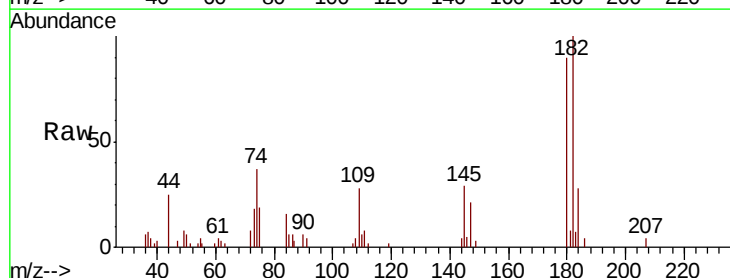


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.740 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037833.D
 Acq: 21 Apr 2020 18:30

Tgt Ion:180 Resp: 9588
 Ion Ratio Lower Upper
 180 100
 182 99.9 77.0 115.4
 145 33.5 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

