

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037830.D
 Acq On : 21 Apr 2020 17:22
 Operator : JC/MD
 Sample : L2317-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:18:40 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	502143	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	486327	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	237042	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204186	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.98%
7) Chloroethane-d5	1.93	69	173483	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.74%
11) 1,1-Dichloroethene-d2	2.59	63	263411	34.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.42%
21) 2-Butanone-d5	4.66	46	365480	99.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.75%
24) Chloroform-d	5.10	84	342424	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
26) 1,2-Dichloroethane-d4	5.74	65	244825	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.76	84	729762	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
36) 1,2-Dichloropropane-d6	6.72	67	245419	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.82%
41) Toluene-d8	7.92	98	662859	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%
43) trans-1,3-Dichloropropene-	8.20	79	122012	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.65	63	261576	98.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.73%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	333920	47.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	240890	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%

Target Compounds

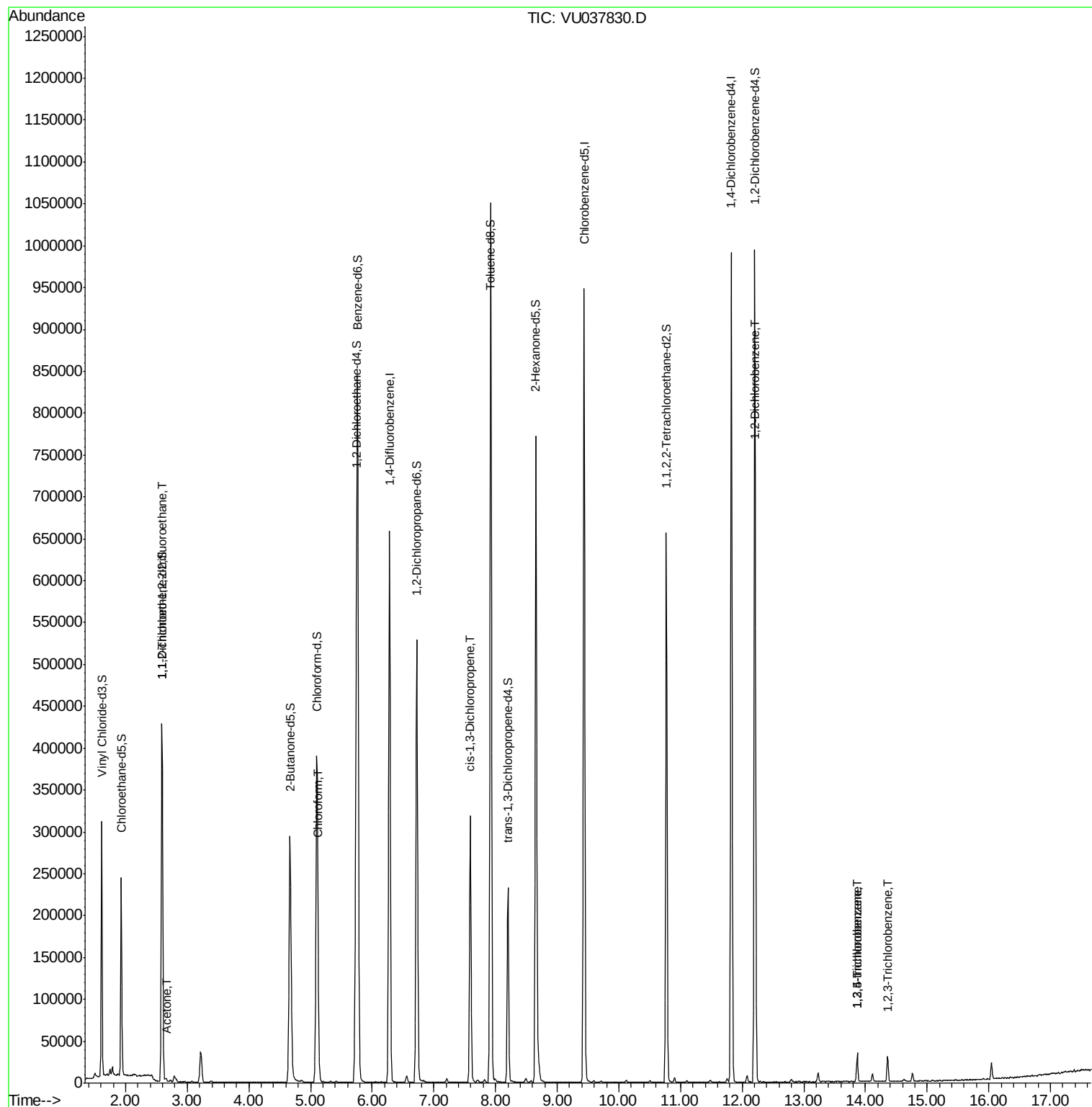
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2523	0.758 ug/L #	28
13) Acetone	2.66	43	4289	1.760 ug/L	93
25) Chloroform	5.13	83	21872	3.105 ug/L	97
39) cis-1,3-Dichloropropene	7.59	75	7558	1.066 ug/L #	72
65) 1,2-Dichlorobenzene	12.22	146	12371	1.564 ug/L	92
67) 1,3,5-Trichlorobenzene	13.87	180	9197	1.580 ug/L	94
68) 1,2,4-trichlorobenzene	13.87	180	9197	1.661 ug/L	93
70) 1,2,3-Trichlorobenzene	14.36	180	8725	1.584 ug/L	99

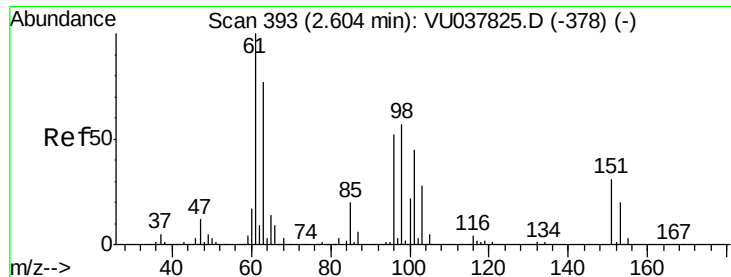
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 22 02:16:18 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.758 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037830.D

Acq: 21 Apr 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

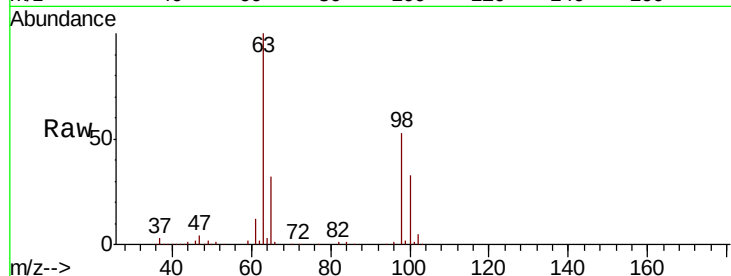
Tot Ion:101 Resp: 2523

Ion Ratio Lower Upper

101 100

85 3.1 35.3 52.9#

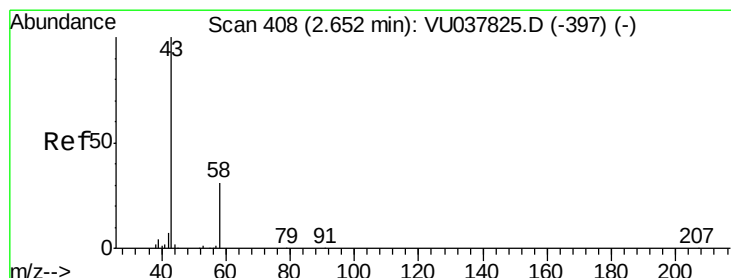
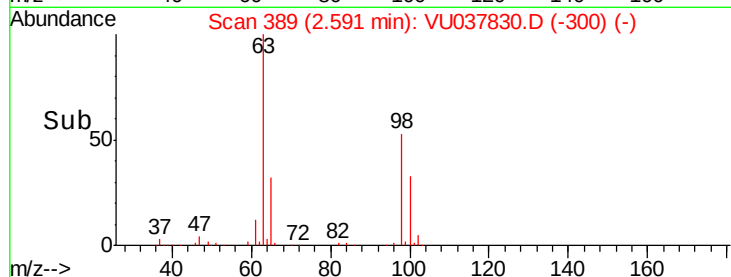
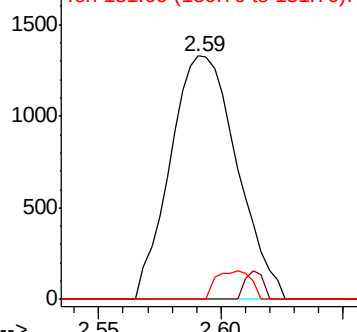
151 6.1 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.760 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037830.D

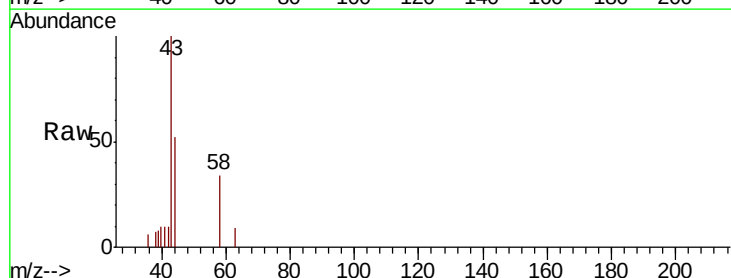
Acq: 21 Apr 2020 17:22

Tgt Ion: 43 Resp: 4289

Ion Ratio Lower Upper

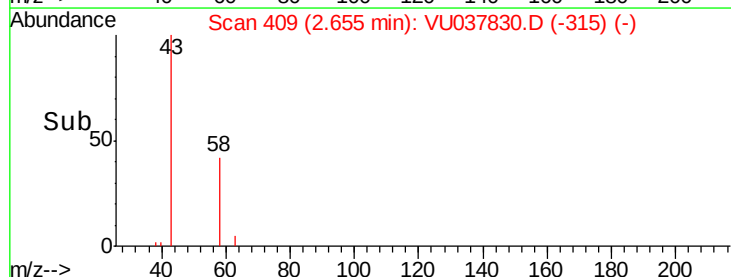
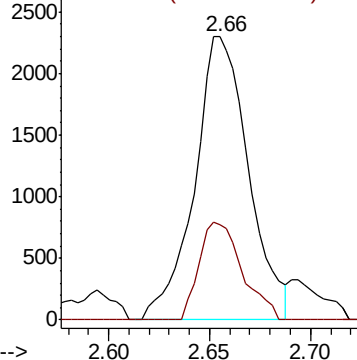
43 100

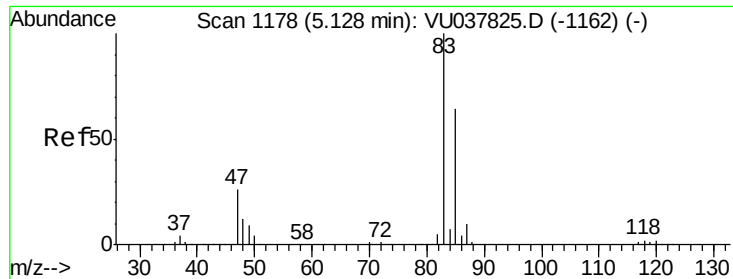
58 27.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

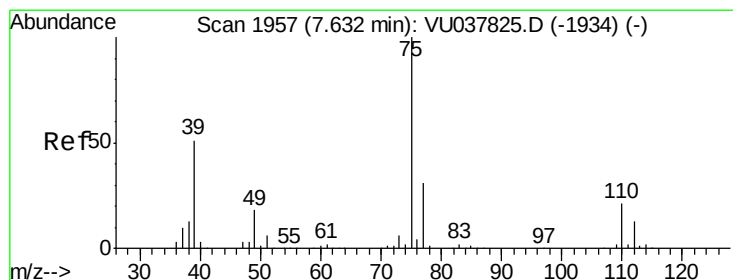
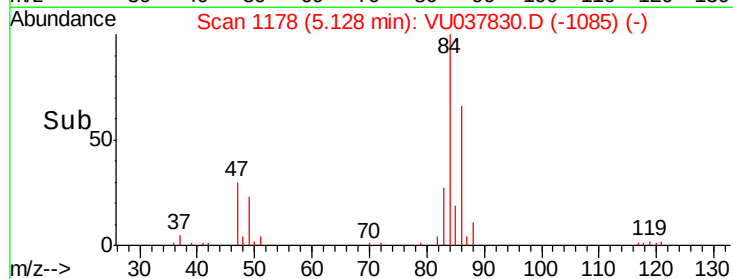
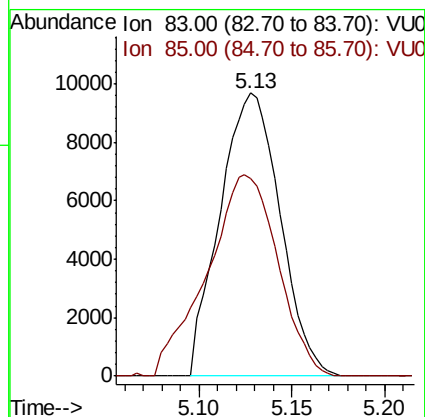
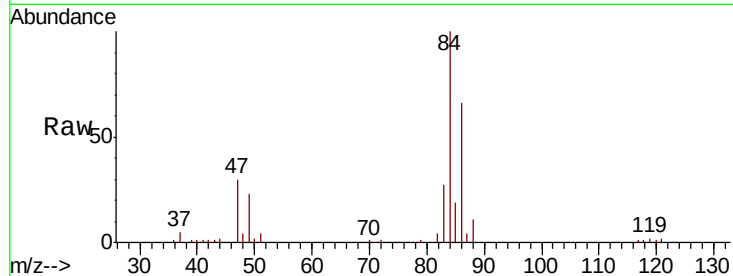




#25
Chloroform
Concen: 3.105 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037830.D
Acq: 21 Apr 2020 17:22

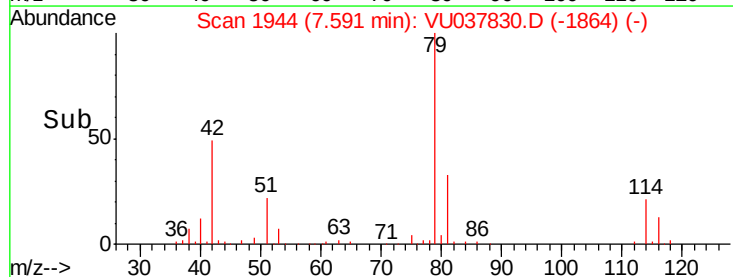
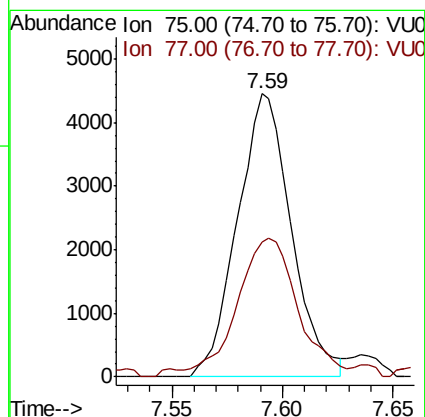
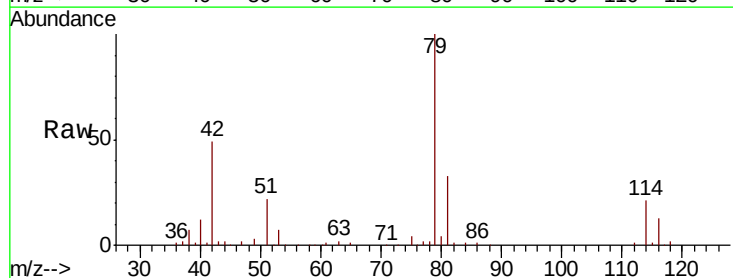
Instrument :
MSVOA_U
ClientSampled :

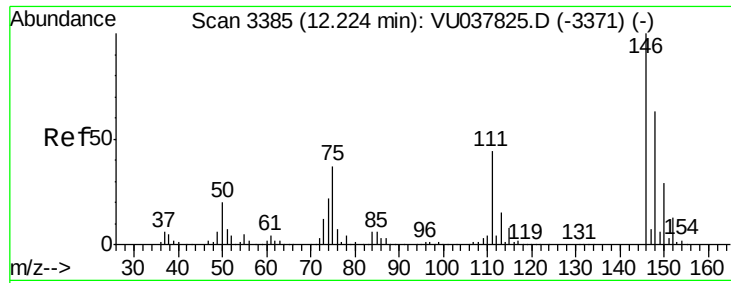
Tot Ion: 83 Resp: 21872
Ion Ratio Lower Upper
83 100
85 69.8 46.9 87.1



#39
cis-1,3-Dichloropropene
Concen: 1.066 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU037830.D
Acq: 21 Apr 2020 17:22

Tgt Ion: 75 Resp: 7558
Ion Ratio Lower Upper
75 100
77 47.6 22.3 41.3#





#65

1,2-Dichlorobenzene

Concen: 1.564 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037830.D

Acq: 21 Apr 2020 17:22

Instrument :

MSVOA_U

ClientSampled :

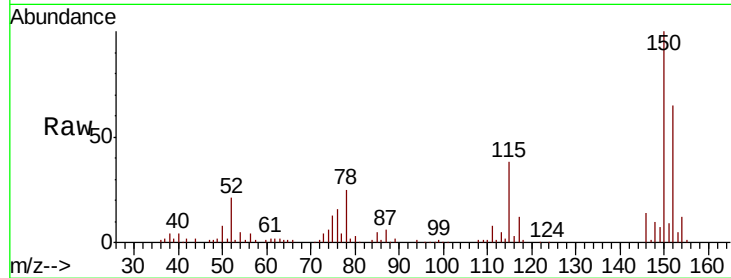
Tot Ion:146 Resp: 12371

Ion Ratio Lower Upper

146 100

111 52.2 35.3 52.9

148 68.1 51.3 76.9

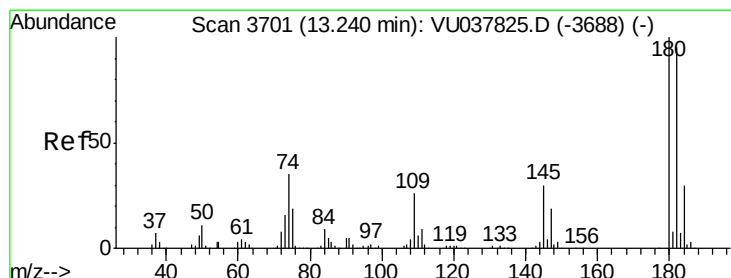
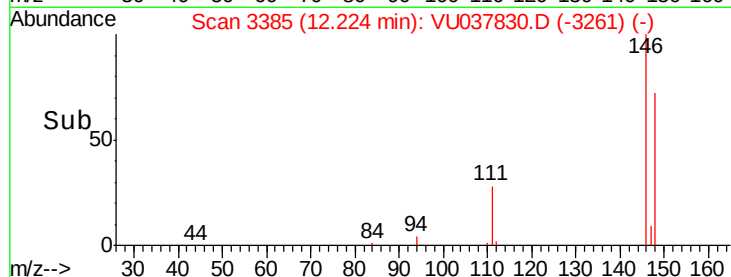
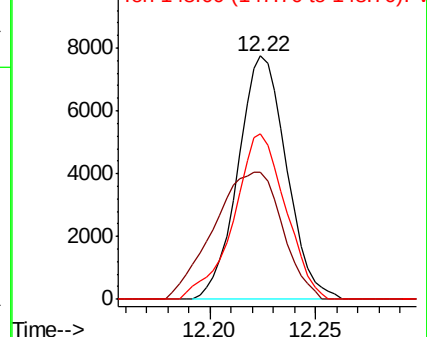


Abundance

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: 1.580 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.63 min

Lab File: VU037830.D

Acq: 21 Apr 2020 17:22

Tgt Ion:180 Resp: 9197

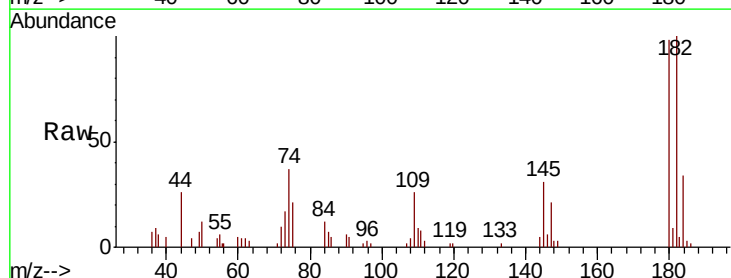
Ion Ratio Lower Upper

180 100

182 103.6 77.0 115.6

184 34.0 24.7 37.1

145 30.7 23.7 35.5



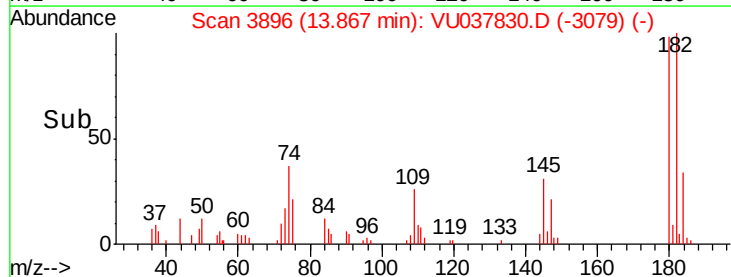
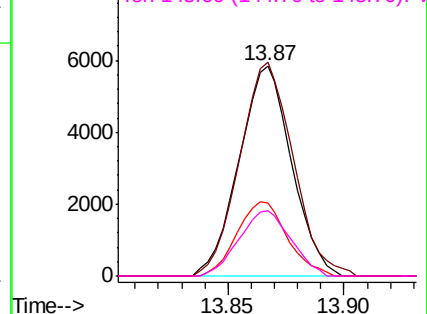
Abundance

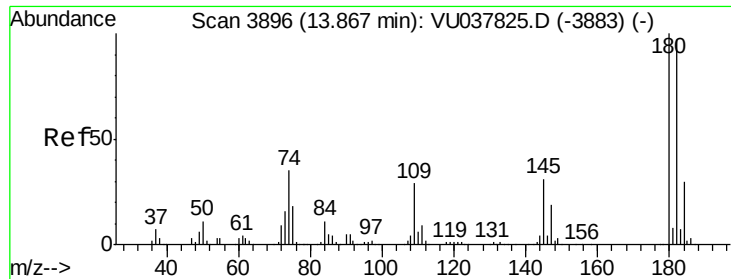
Ion 180.00 (179.70 to 180.70): V

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

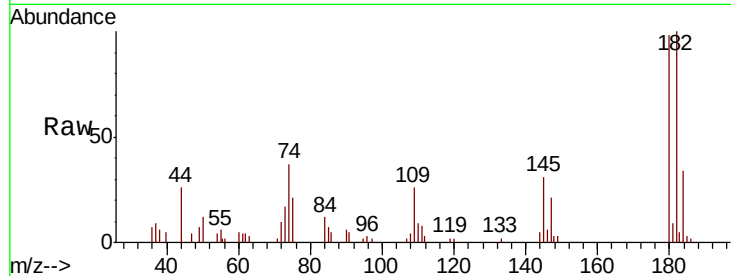




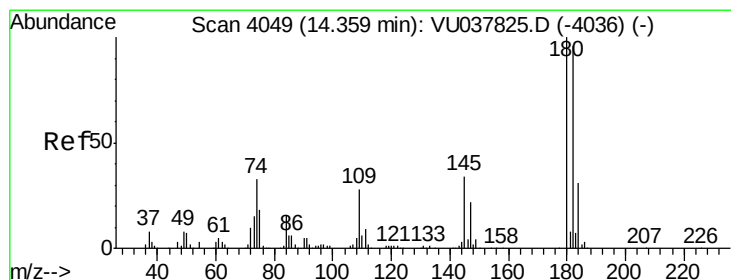
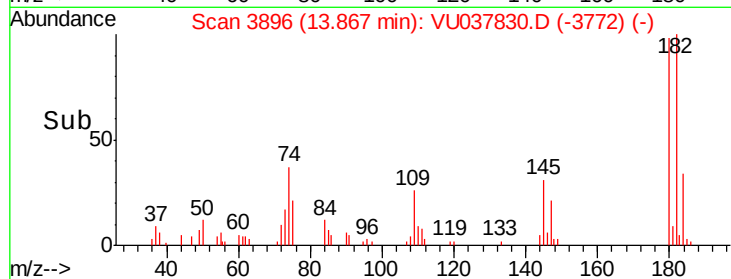
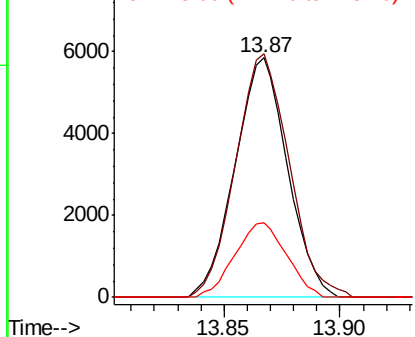
#68
 1,2,4-trichlorobenzene
 Concen: 1.661 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037830.D
 Acq: 21 Apr 2020 17:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 9197
 Ion Ratio Lower Upper
 180 100
 182 103.6 76.2 114.4
 145 30.7 24.3 36.5

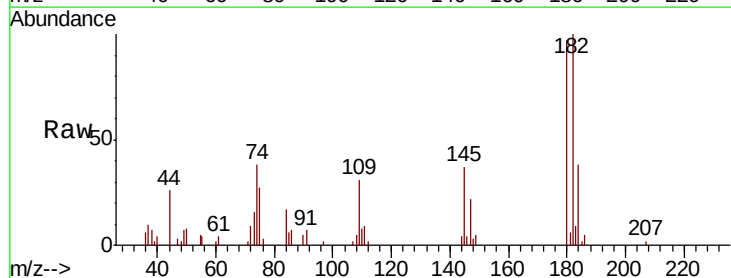


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.584 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037830.D
 Acq: 21 Apr 2020 17:22

Tgt Ion:180 Resp: 8725
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.0 115.4
 145 32.3 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

