

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\
 Data File : VU037886.D
 Acq On : 28 Apr 2020 18:59
 Operator : JC/MD
 Sample : L2395-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 04:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 29 04:16:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	644818	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	624806	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	282304	50.00	ug/L	0.00

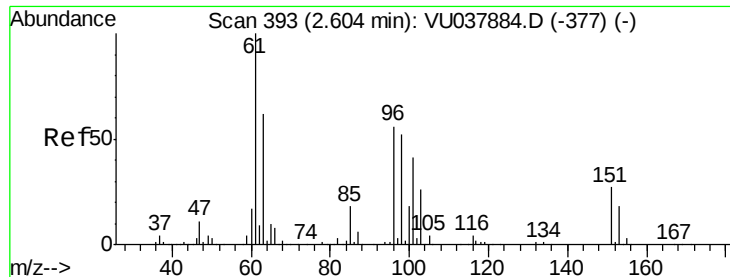
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	228457	40.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.10%
7) Chloroethane-d5	1.93	69	202710	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.59	63	317008	34.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.52%
21) 2-Butanone-d5	4.66	46	398757	89.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.32%
24) Chloroform-d	5.10	84	413116	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	5.74	65	289946	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
32) Benzene-d6	5.76	84	879439	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.72	67	296594	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.38%
41) Toluene-d8	7.93	98	800266	49.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.56%
43) trans-1,3-Dichloropropene-	8.20	79	134209	44.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.24%
47) 2-Hexanone-d5	8.66	63	317424	98.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.67%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	407361	49.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.08%
64) 1,2-Dichlorobenzene-d4	12.21	152	288306	52.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.98%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2835	0.715 ug/L #	21
12) 1,1-Dichloroethene	2.60	96	22053	5.633 ug/L #	1
13) Acetone	2.65	43	5248	1.970 ug/L	94
20) cis-1,2-Dichloroethene	4.70	96	11822	2.467 ug/L	100
25) Chloroform	5.12	83	9019	1.092 ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	14944	2.142 ug/L	97
34) Trichloroethene	6.57	95	452533	97.283 ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	7244	0.874 ug/L #	57
59) 1,2,3-Trichloropropane	11.83	75	40881	5.876 ug/L	95

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



#10

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

Concen: 0.715 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037886.D

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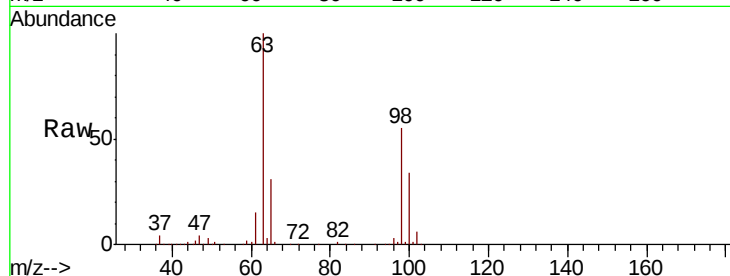
Tot Ion: 101 Resp: 2835

Ion Ratio Lower Upper

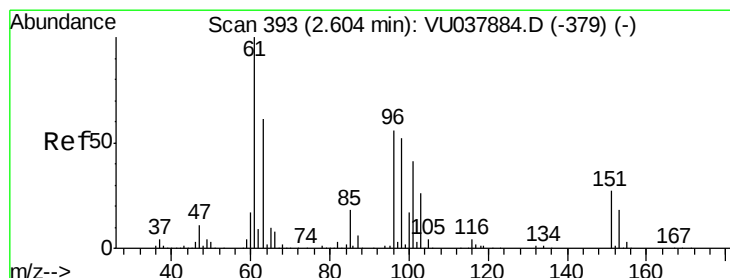
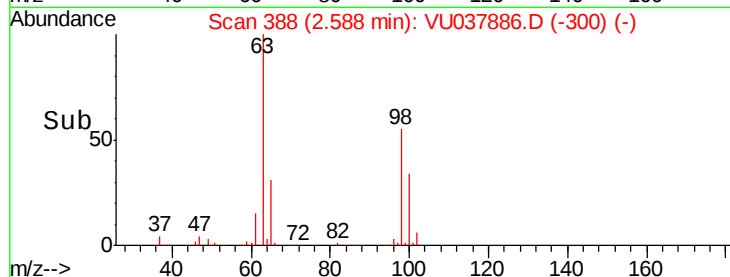
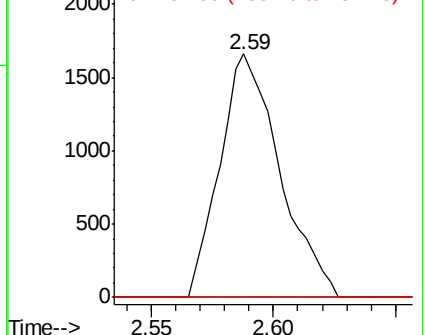
101 100

85 0.0 36.2 54.4#

151 0.0 55.5 83.3#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.633 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

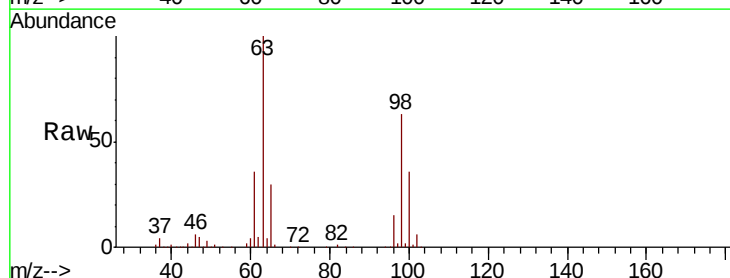
Tgt Ion: 96 Resp: 22053

Ion Ratio Lower Upper

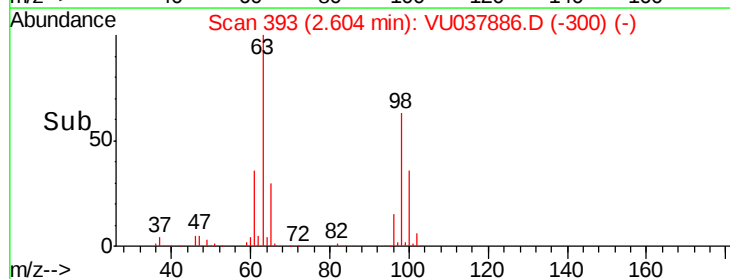
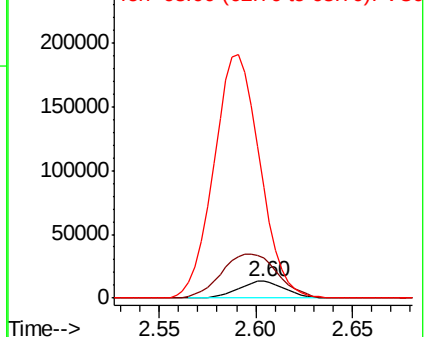
96 100

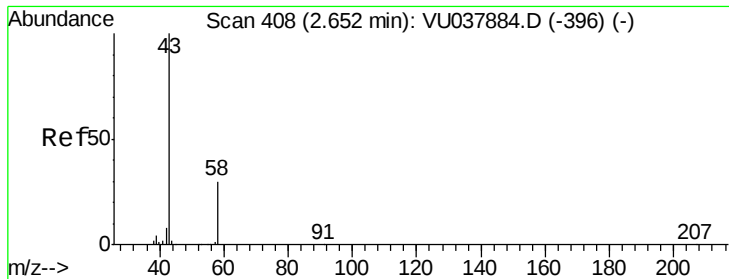
61 237.2 134.1 249.0

63 657.0 96.5 179.1#



Abundance Ion 96.00 (95.70 to 96.70): VU
Ion 61.00 (60.70 to 61.70): VU
Ion 63.00 (62.70 to 63.70): VU





#13

Acetone

Concen: 1.970 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037886.D

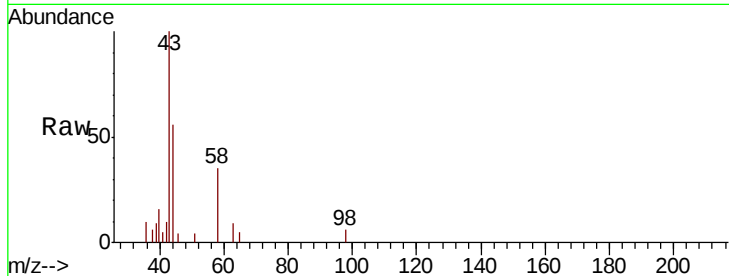
Acq: 28 Apr 2020 18:59

Tot Ion: 43 Resp: 5248

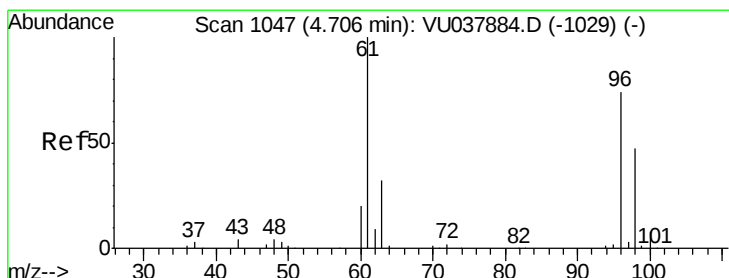
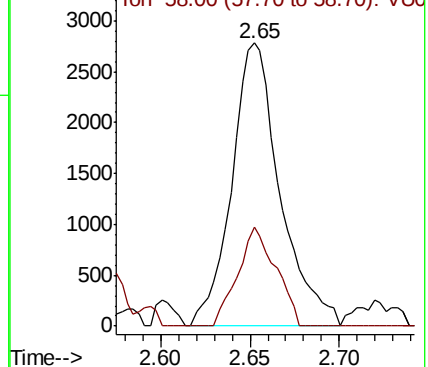
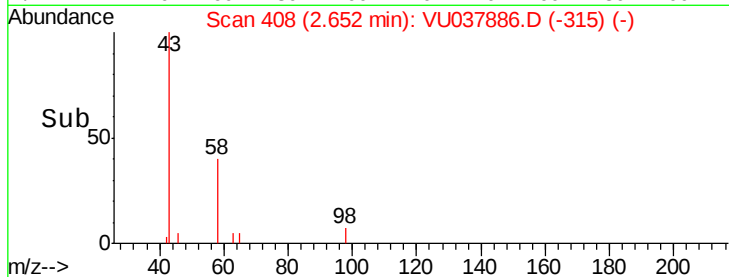
Ion Ratio Lower Upper

43 100

58 27.6 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037886.D (-315) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.467 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

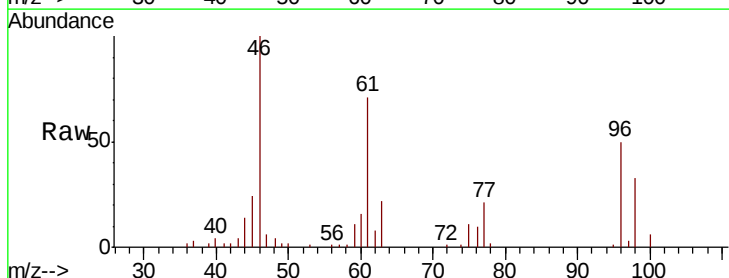
Tgt Ion: 96 Resp: 11822

Ion Ratio Lower Upper

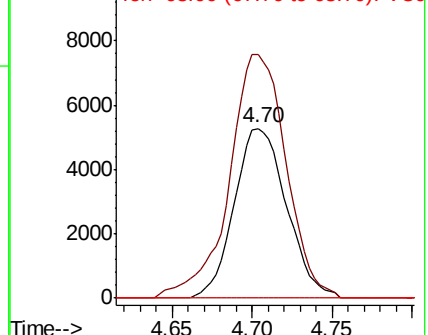
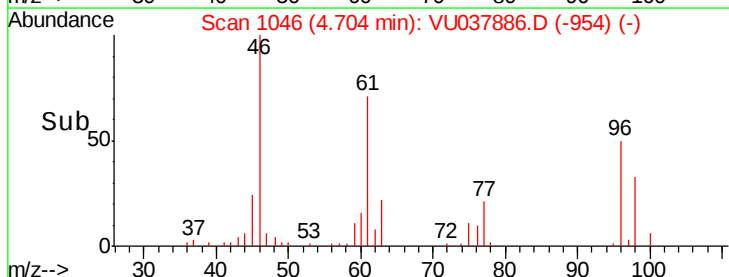
96 100

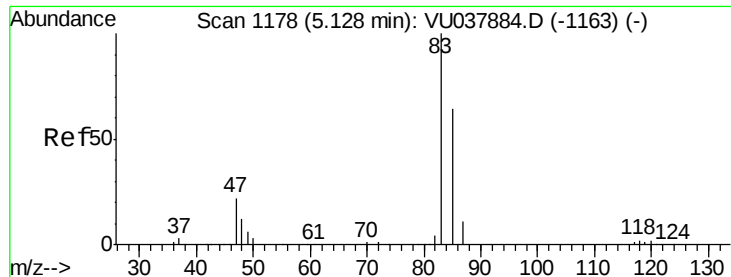
61 143.7 100.4 186.4

68 0.0 0.0 0.0



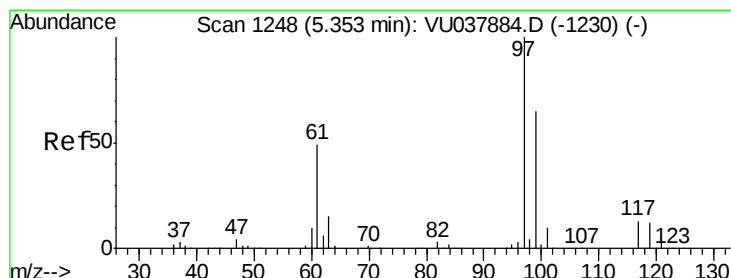
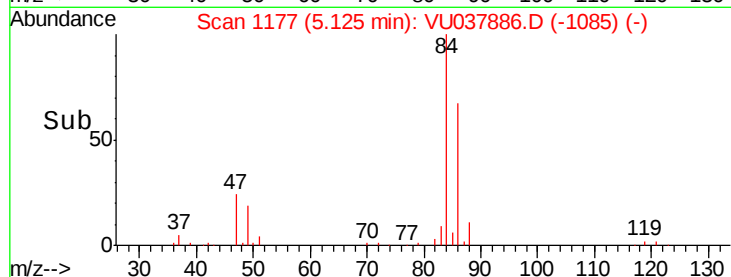
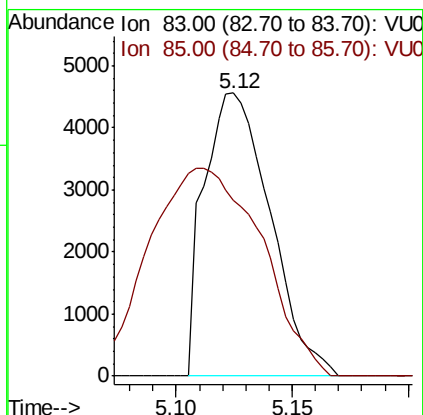
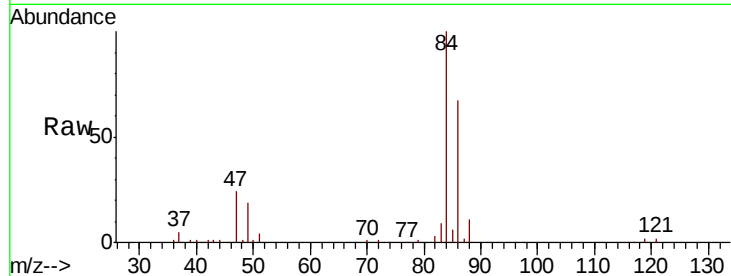
Abundance Ion 96.00 (95.70 to 96.70): VU037886.D (-954) (-)





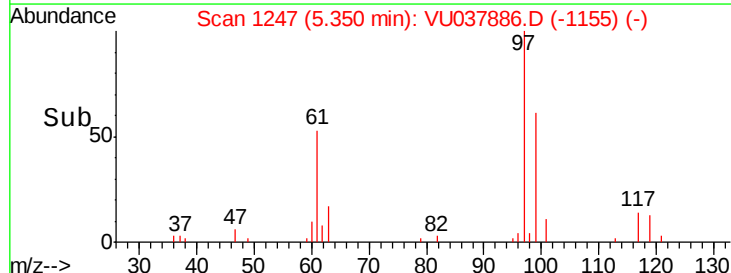
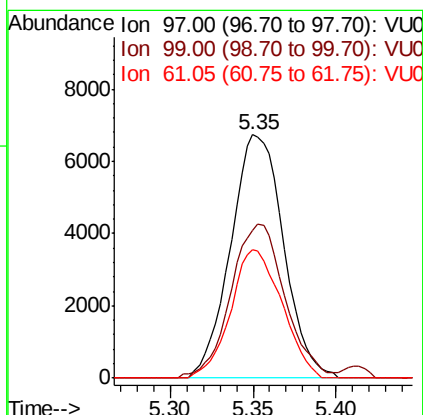
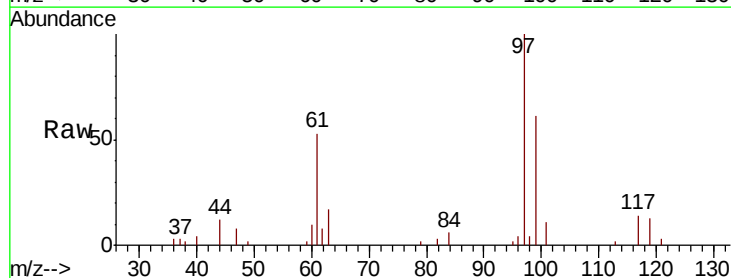
#25
Chloroform
Concen: 1.092 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037886.D
Acq: 28 Apr 2020 18:59

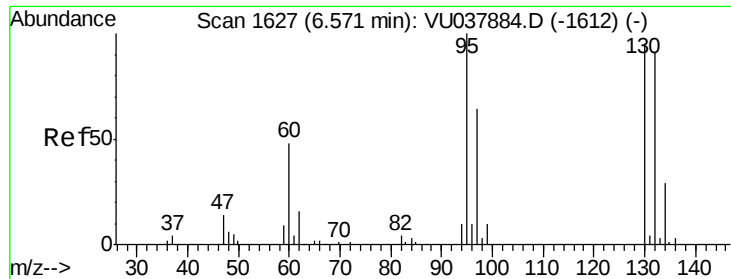
Tot Ion: 83 Resp: 9019
Ion Ratio Lower Upper
83 100
85 61.9 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 2.142 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU037886.D
Acq: 28 Apr 2020 18:59

Tgt Ion: 97 Resp: 14944
Ion Ratio Lower Upper
97 100
99 61.7 50.7 76.1
61 51.1 38.9 58.3





#34

Trichloroethene

Concen: 97.283 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037886.D

Acq: 28 Apr 2020 18:59

Tot Ion: 95 Resp: 452533

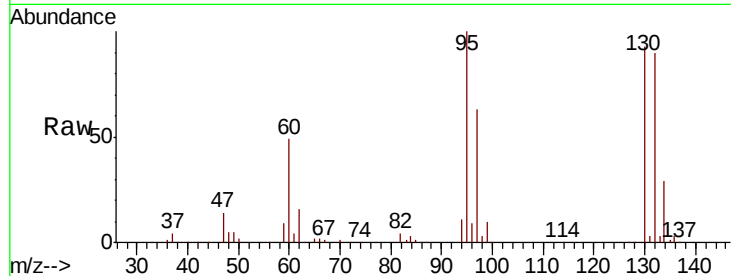
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.5

132 89.8 65.0 120.6

130 93.0 65.5 121.7

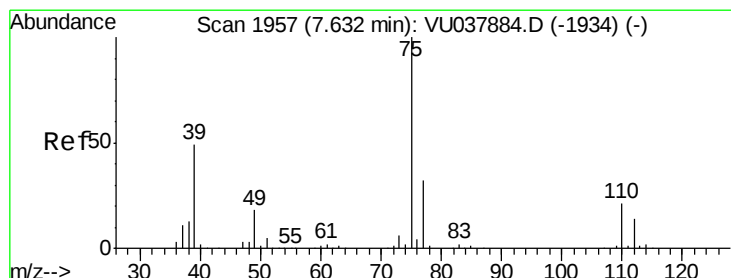
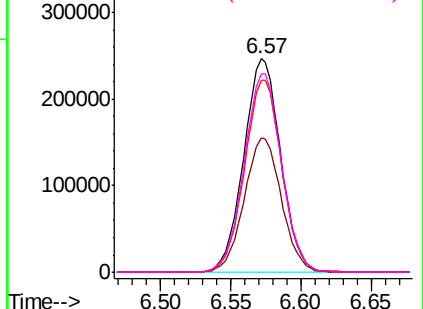
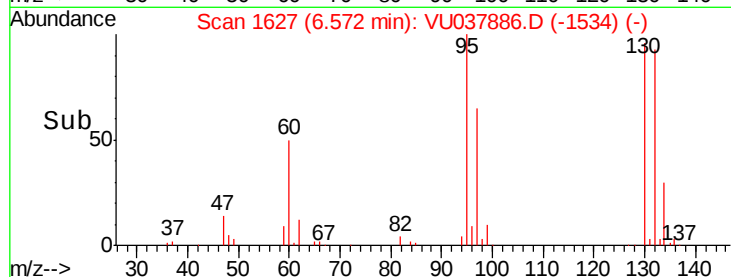


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU037886.D

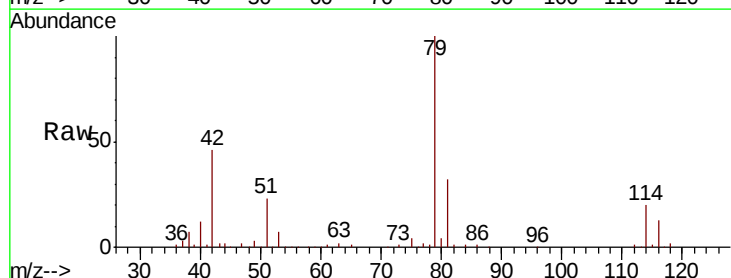
Acq: 28 Apr 2020 18:59

Tgt Ion: 75 Resp: 7244

Ion Ratio Lower Upper

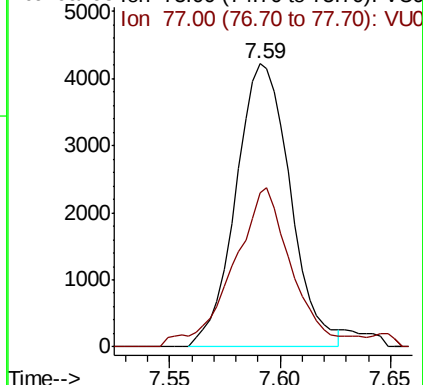
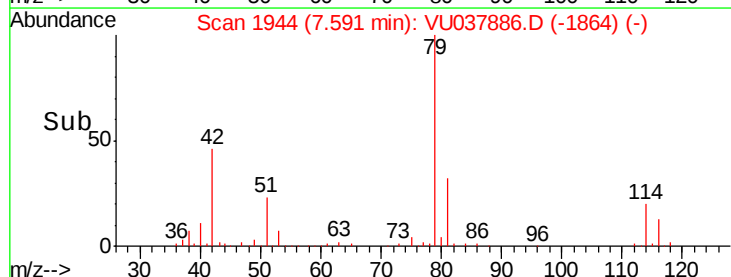
75 100

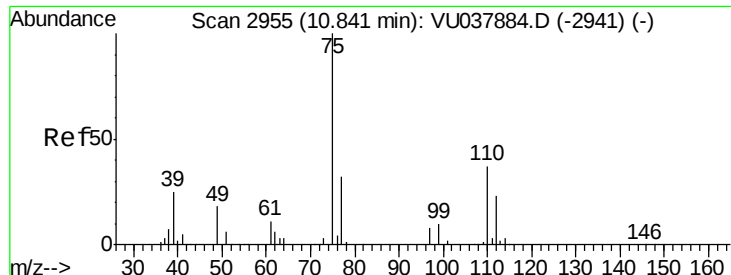
77 54.5 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.876 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037886.D

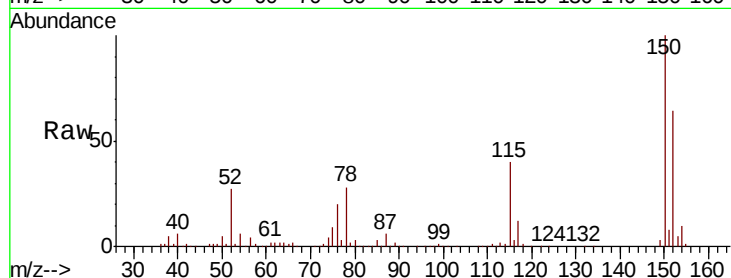
Acq: 28 Apr 2020 18:59

Tot Ion: 75 Resp: 40881

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

