

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037911.D
 Acq On : 29 Apr 2020 15:05
 Operator : JC/MD
 Sample : L2395-14DL 100X
 Misc : 5.5mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:21:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	646361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	632652	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	283173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	213932	37.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.76%
7) Chloroethane-d5	1.93	69	195475	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.32%
11) 1,1-Dichloroethene-d2	2.59	63	329542	36.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.10%
21) 2-Butanone-d5	4.66	46	394676	88.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.20%
24) Chloroform-d	5.10	84	380459	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.74	65	280090	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
32) Benzene-d6	5.76	84	850476	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
36) 1,2-Dichloropropane-d6	6.72	67	287892	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.92	98	775883	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%
43) trans-1,3-Dichloropropene-	8.20	79	117944	38.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.58%
47) 2-Hexanone-d5	8.65	63	297836	91.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.43%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	399291	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	276483	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%

Target Compounds

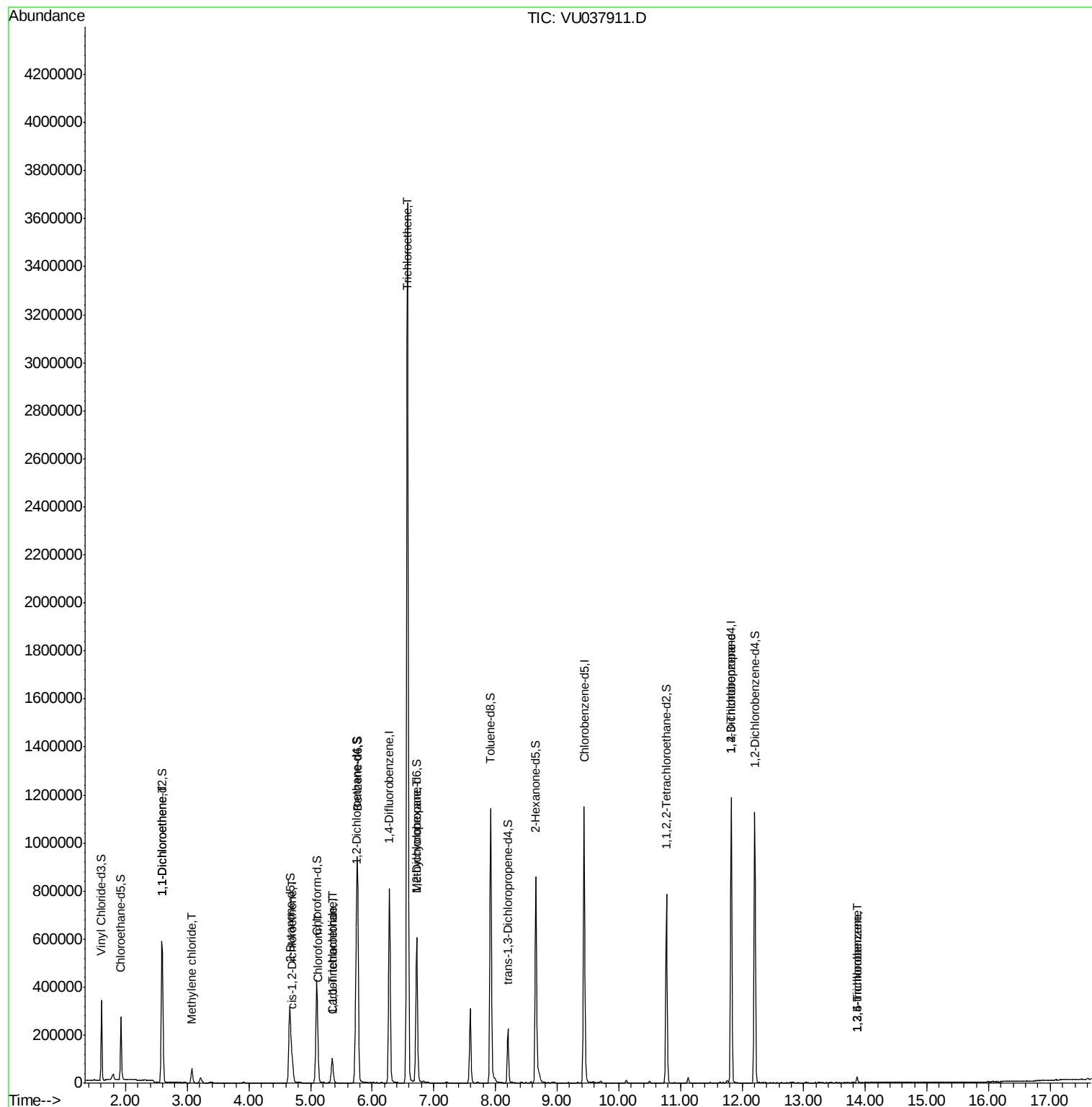
					Ovalue
12) 1,1-Dichloroethene	2.60	96	74341	18.945	ug/L # 56
16) Methylene chloride	3.08	84	27396	5.875	ug/L 93
20) cis-1,2-Dichloroethene	4.71	96	36891	7.679	ug/L 89
25) Chloroform	5.13	83	18232	2.203	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	71794	10.161	ug/L 100
31) Carbon tetrachloride	5.35	117	8784	1.538	ug/L 94
34) Trichloroethene	6.57	95	1241843	263.655	ug/L 99
35) Methylcyclohexane	6.72	83	63435	7.691	ug/L # 17
59) 1,2,3-Trichloropropane	11.83	75	39349	5.585	ug/L 89
67) 1,3,5-Trichlorobenzene	13.86	180	7674	1.191	ug/L 98
68) 1,2,4-trichlorobenzene	13.86	180	7674	1.225	ug/L 99

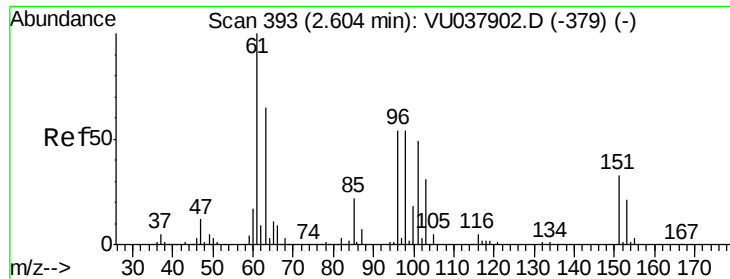
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 18.945 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037911.D

Acq: 29 Apr 2020 15:05

Instrument :

MSVOA_U

ClientSampleId :

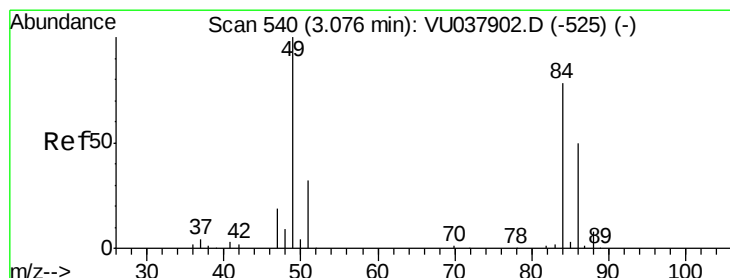
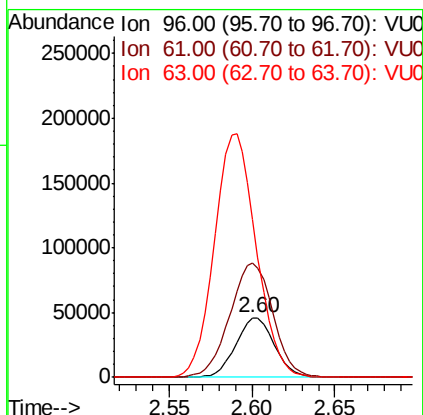
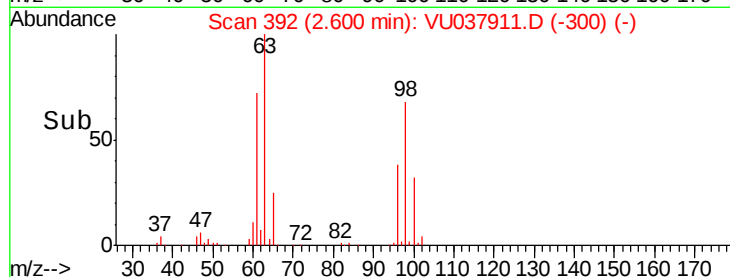
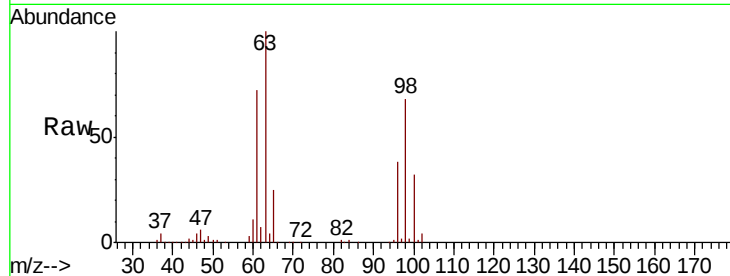
Tot Ion: 96 Resp: 74341

Ion Ratio Lower Upper

96 100

61 191.8 134.1 249.0

63 264.8 96.5 179.1#



#16

Methylene chloride

Concen: 5.875 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037911.D

Acq: 29 Apr 2020 15:05

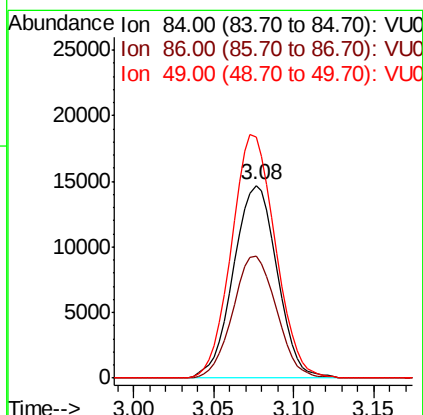
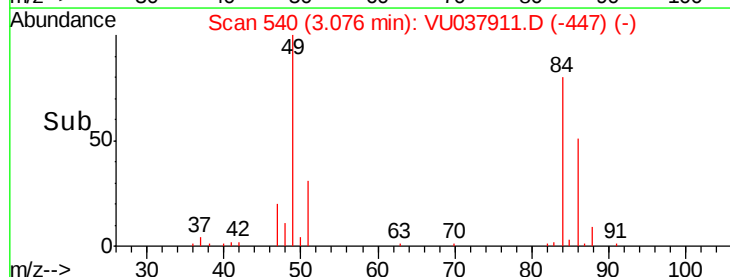
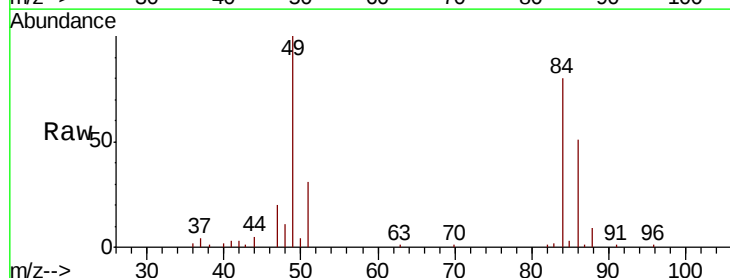
Tgt Ion: 84 Resp: 27396

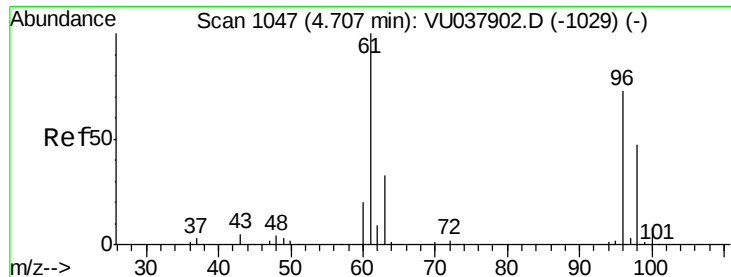
Ion Ratio Lower Upper

84 100

86 63.4 43.5 80.7

49 125.4 95.1 176.7

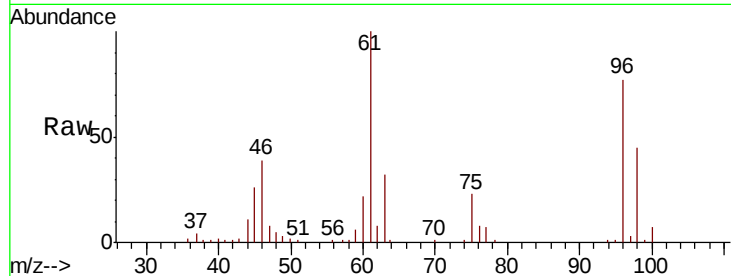




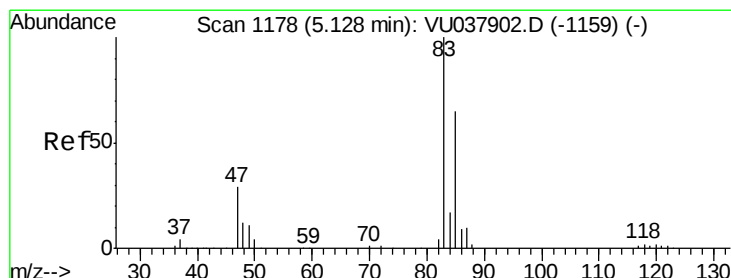
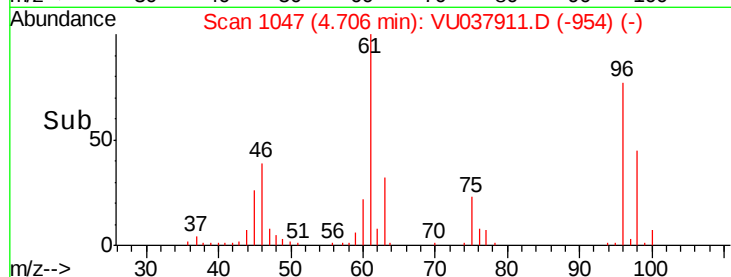
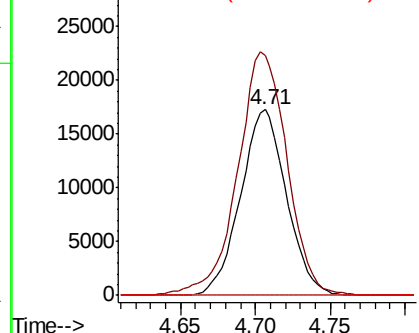
#20
 cis-1,2-Dichloroethene
 Concen: 7.679 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037911.D
 Acq: 29 Apr 2020 15:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 36891
 Ion Ratio Lower Upper
 96 100
 61 129.3 100.4 186.4
 68 0.0 0.0 0.0

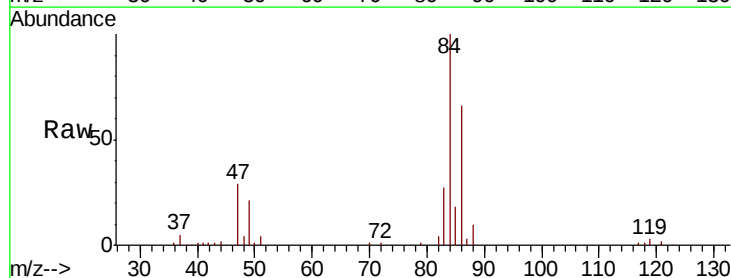


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

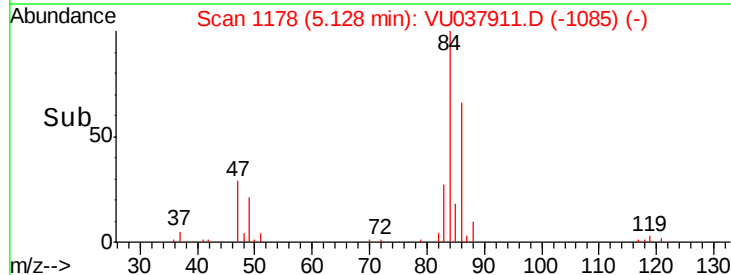
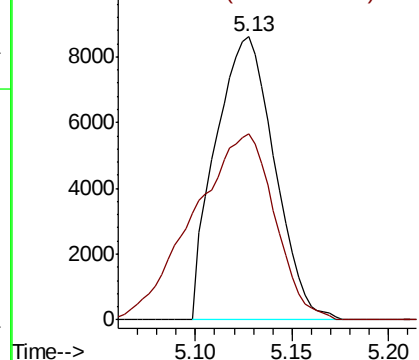


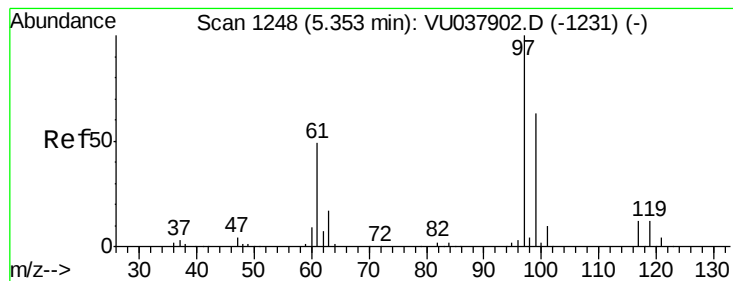
#25
 Chloroform
 Concen: 2.203 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037911.D
 Acq: 29 Apr 2020 15:05

Tgt Ion: 83 Resp: 18232
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#30

1,1,1-Trichloroethane

Concen: 10.161 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037911.D

Acq: 29 Apr 2020 15:05

Instrument :

MSVOA_U

ClientSampled :

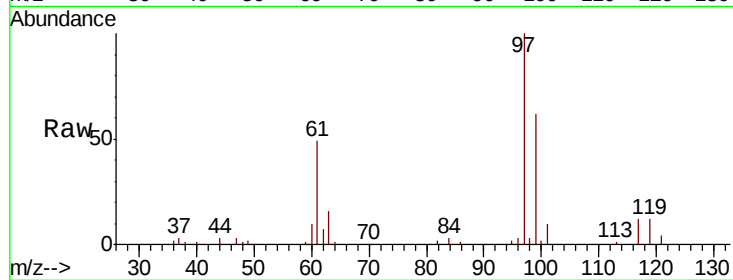
Tot Ion: 97 Resp: 71794

Ion Ratio Lower Upper

97 100

99 63.2 50.7 76.1

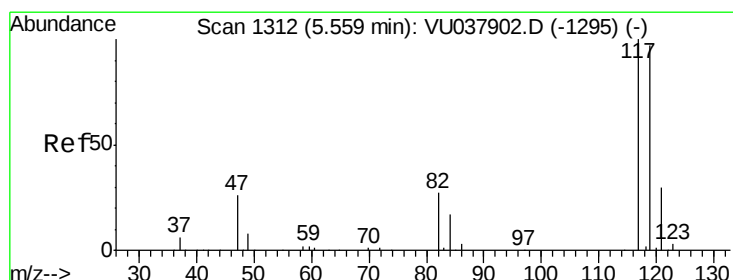
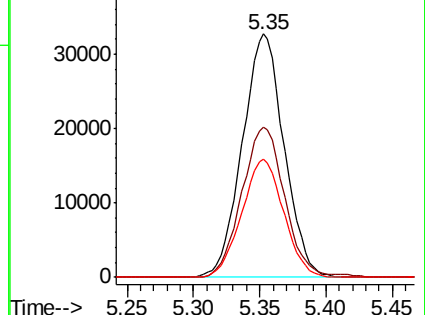
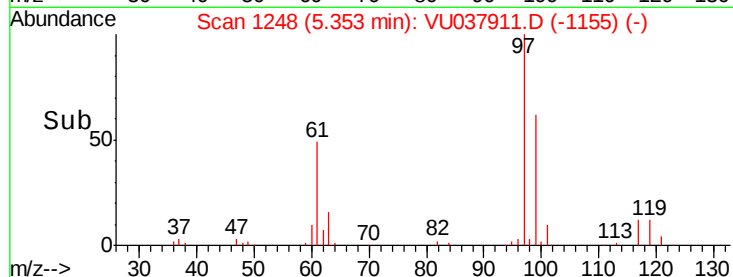
61 48.7 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU037902.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU037902.D (-1231) (-)

Ion 61.05 (60.75 to 61.75): VU037902.D (-1231) (-)



#31

Carbon tetrachloride

Concen: 1.538 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.21 min

Lab File: VU037911.D

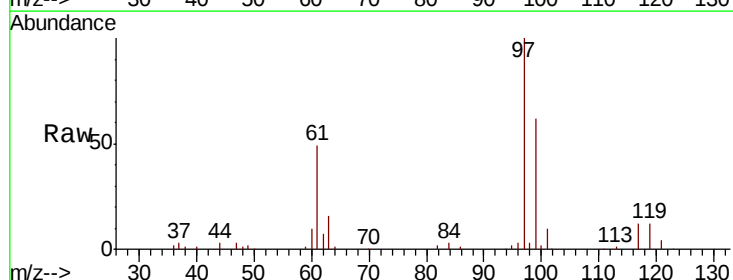
Acq: 29 Apr 2020 15:05

Tgt Ion: 117 Resp: 8784

Ion Ratio Lower Upper

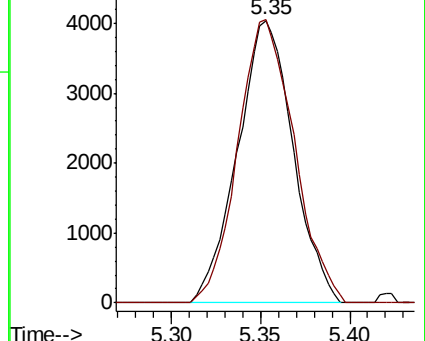
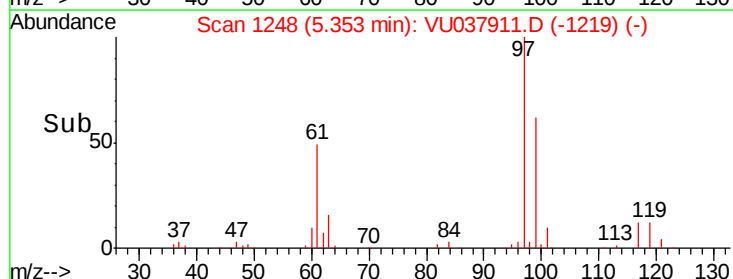
117 100

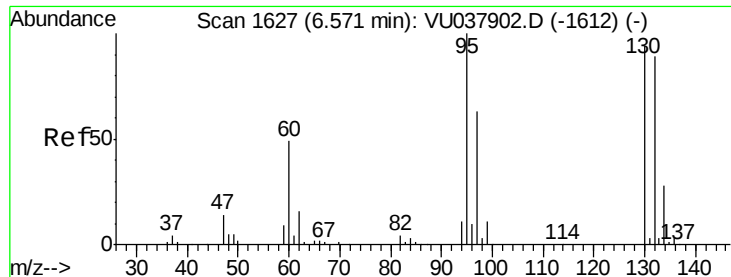
119 101.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VU037902.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037902.D (-1295) (-)

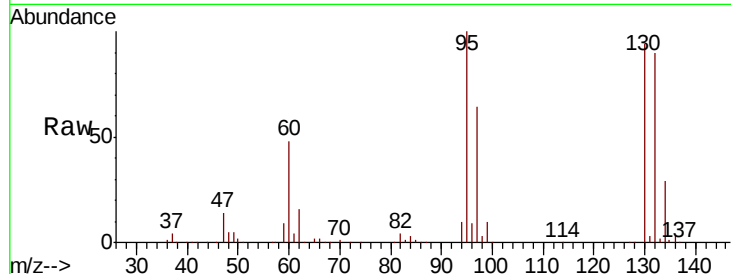




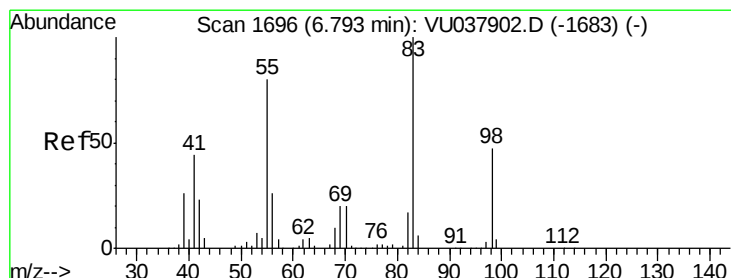
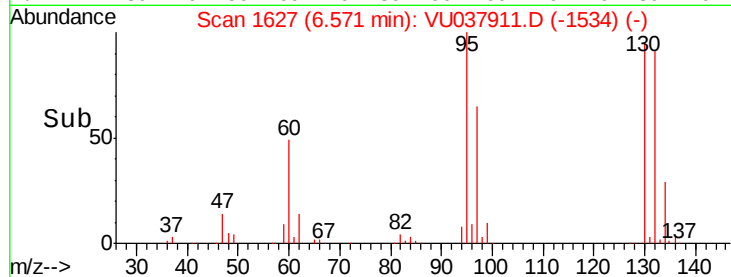
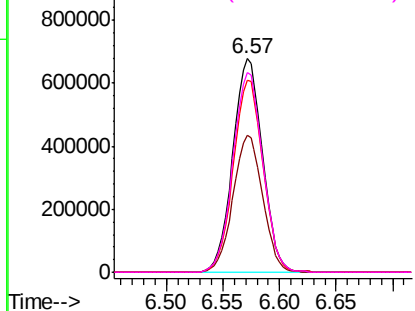
#34
 Trichloroethene
 Concen: 263.655 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037911.D
 Acq: 29 Apr 2020 15:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 1241843
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.4 82.5
 132 90.0 65.0 120.6
 130 93.5 65.5 121.7

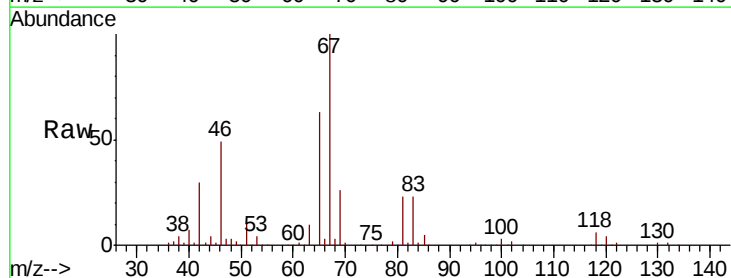


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

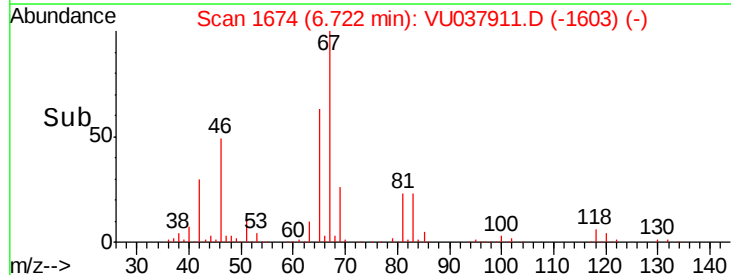
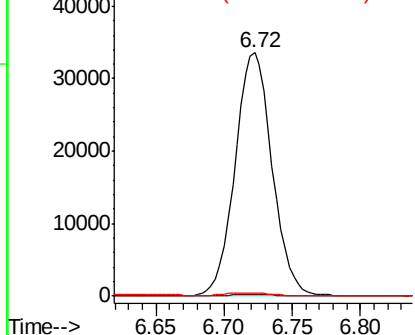


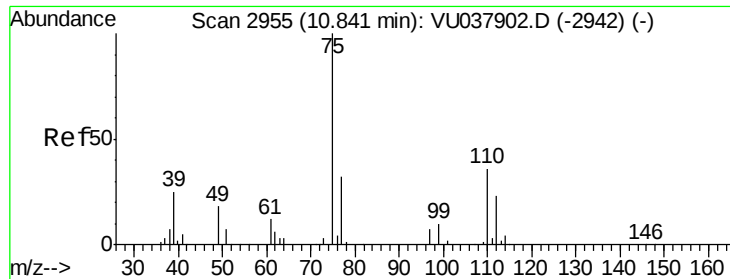
#35
 Methylcyclohexane
 Concen: 7.691 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037911.D
 Acq: 29 Apr 2020 15:05

Tgt Ion: 83 Resp: 63435
 Ion Ratio Lower Upper
 83 100
 55 0.7 66.3 99.5#
 98 0.7 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.585 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037911.D

Acq: 29 Apr 2020 15:05

Instrument :

MSVOA_U

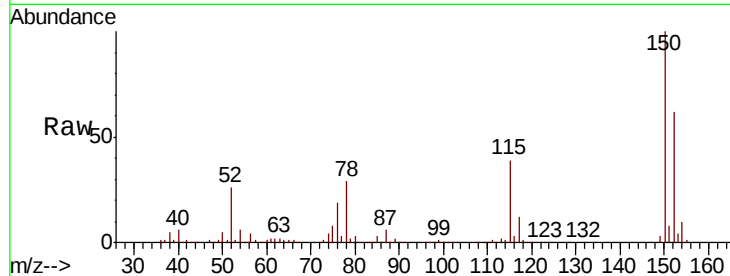
ClientSampled :

Tot Ion: 75 Resp: 39349

Ion Ratio Lower Upper

75 100

77 38.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037911.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VU037911.D (-2333) (-)

11.83

25000

20000

15000

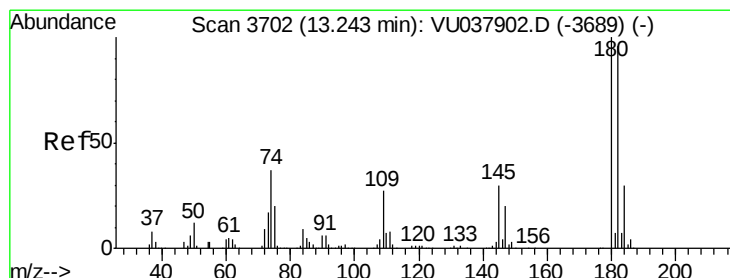
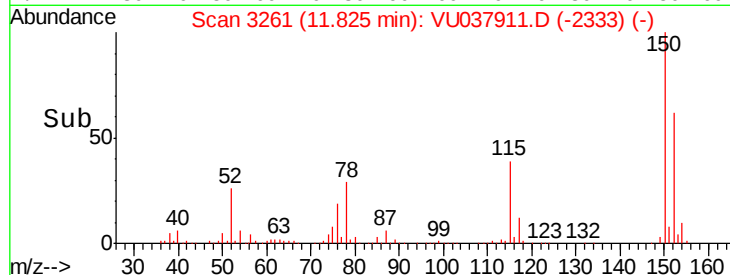
10000

5000

0

Time-->

11.75 11.80 11.85



#67

1,3,5-Trichlorobenzene

Concen: 1.191 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.62 min

Lab File: VU037911.D

Acq: 29 Apr 2020 15:05

Tgt Ion: 180 Resp: 7674

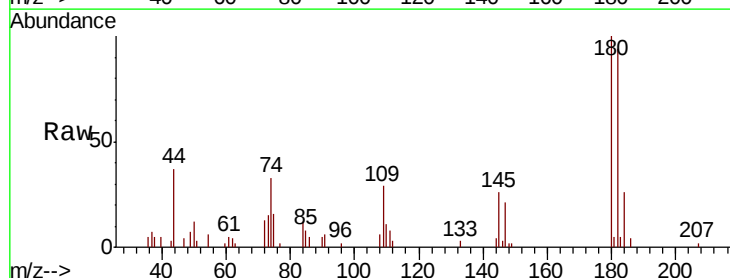
Ion Ratio Lower Upper

180 100

182 96.9 76.5 114.7

184 26.4 24.2 36.4

145 30.2 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): VU037911.D (-3080) (-)

Ion 182.00 (181.70 to 182.70): VU037911.D (-3080) (-)

Ion 184.00 (183.70 to 184.70): VU037911.D (-3080) (-)

Ion 145.00 (144.70 to 145.70): VU037911.D (-3080) (-)

13.86

6000

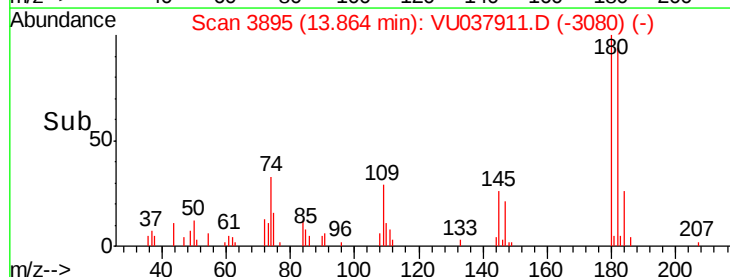
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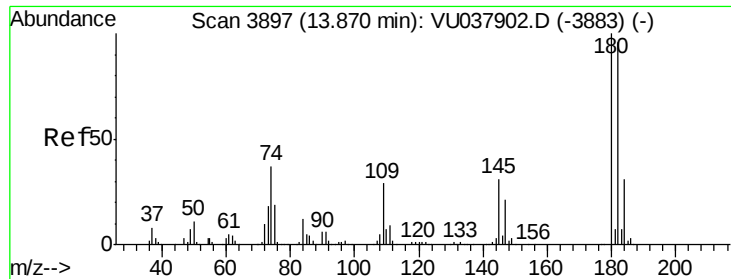
2000

0

Time-->

13.85 13.90

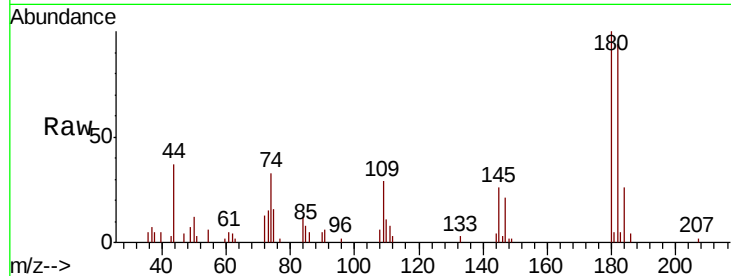




#68
 1,2,4-trichlorobenzene
 Concen: 1.225 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU037911.D
 Acq: 29 Apr 2020 15:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
145	30.2	23.8	35.8



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

