

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036894.D
 Acq On : 24 Feb 2020 19:30
 Operator : JC/MD
 Sample : L1608-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 25 03:22:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 03:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	267791	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	245234	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	93430	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105152	46.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.52%
7) Chloroethane-d5	1.93	69	91027	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.84%
11) 1,1-Dichloroethene-d2	2.59	63	136139	36.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.30%
21) 2-Butanone-d5	4.67	46	155853	103.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	5.11	84	162405	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
26) 1,2-Dichloroethane-d4	5.74	65	114990	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
32) Benzene-d6	5.76	84	364319	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
36) 1,2-Dichloropropane-d6	6.73	67	119692	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.92	98	327877	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	8.20	79	50058	46.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.76%
47) 2-Hexanone-d5	8.66	63	115694	102.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.99%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	161436	49.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	98482	53.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.84%

Target Compounds

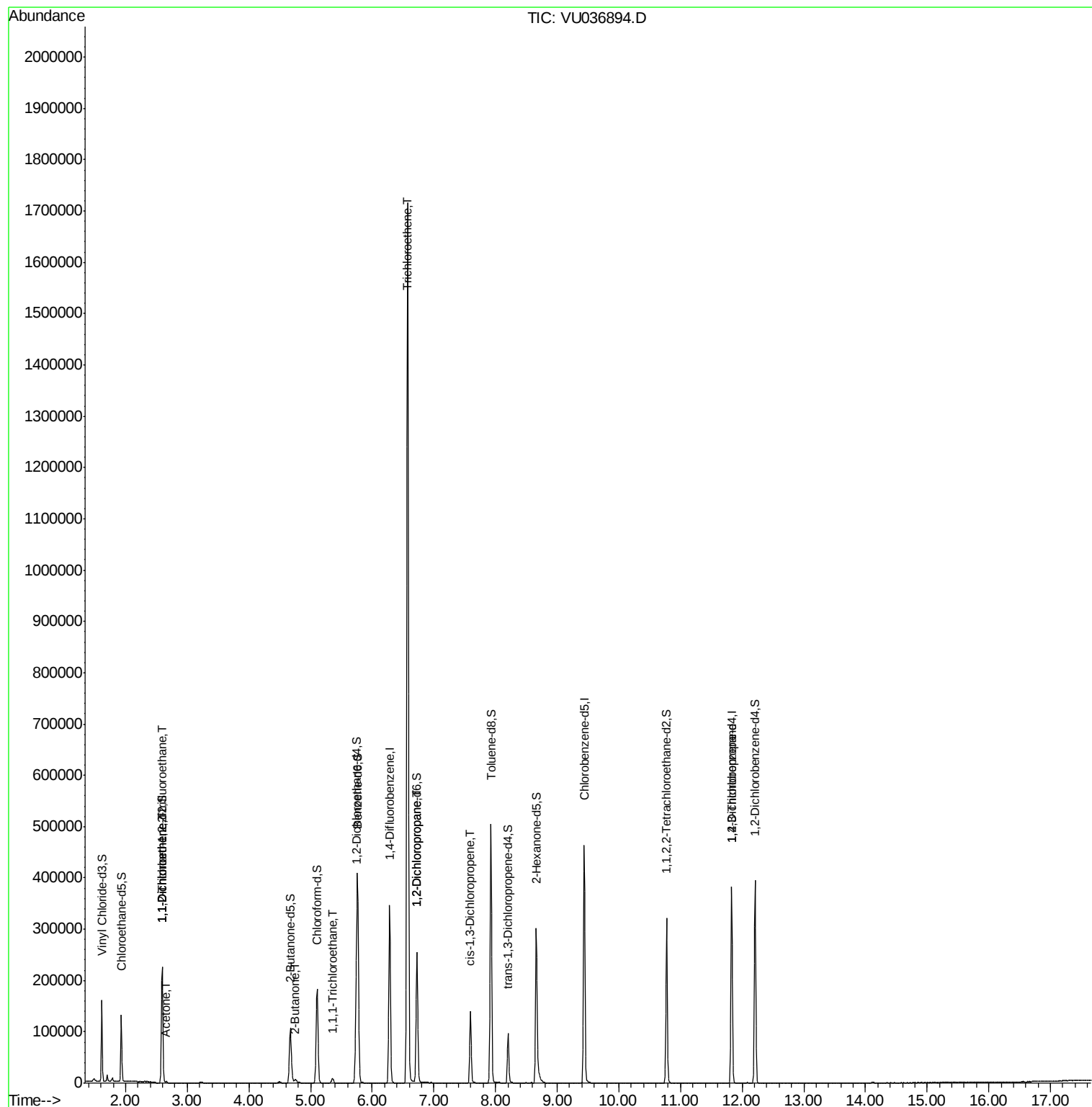
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1550	0.906 ug/L #	34
12) 1,1-Dichloroethene	2.59	96	1386	0.801 ug/L #	1
13) Acetone	2.66	43	2826	1.821 ug/L	98
22) 2-Butanone	4.75	43	9236	4.936 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	6602	2.511 ug/L	97
34) Trichloroethene	6.57	95	592530	311.176 ug/L	99
37) 1,2-Dichloropropane	6.73	63	12646	6.062 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3314	1.031 ug/L #	52
59) 1,2,3-Trichloropropane	11.83	75	14538	5.418 ug/L	94

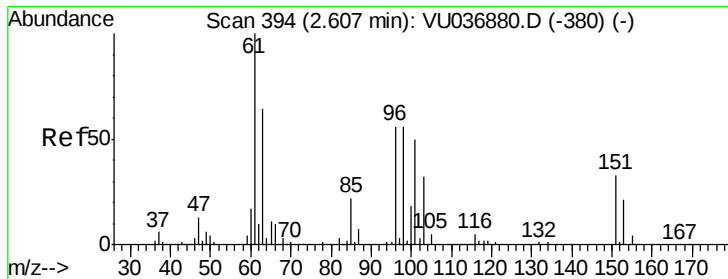
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 03:18:14 2020
Response via : Initial Calibration





#10

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

Concen: 0.906 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036894.D

Acq: 24 Feb 2020 19:30

Instrument :

MSVOA_U

ClientSampleId :

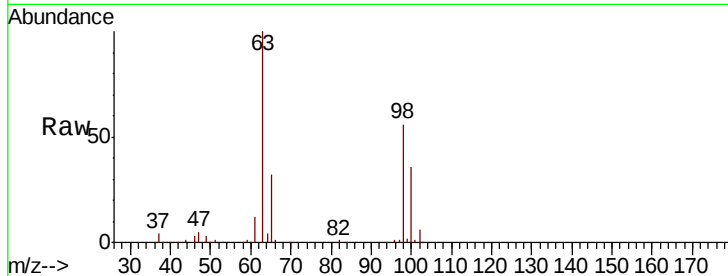
Tot Ion:101 Resp: 1550

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

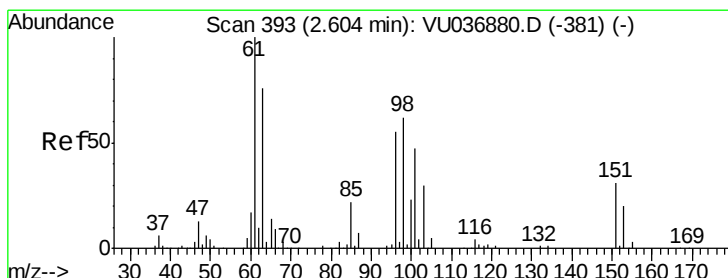
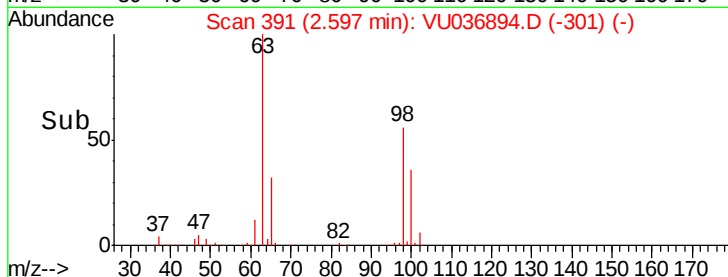
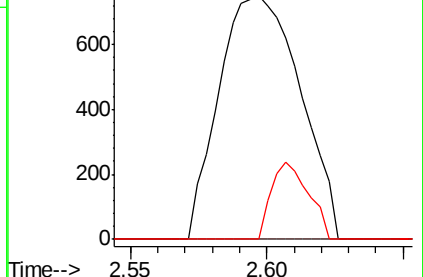
151 14.5 52.4 78.6#



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



#12

1,1-Dichloroethene

Concen: 0.801 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036894.D

Acq: 24 Feb 2020 19:30

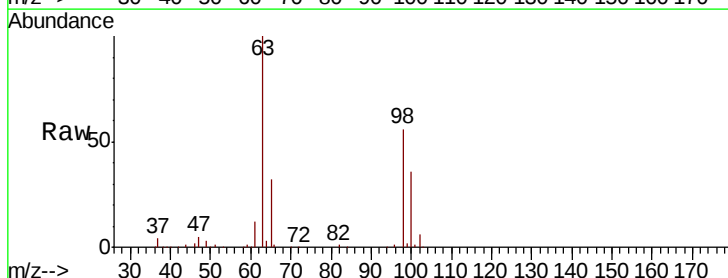
Tgt Ion: 96 Resp: 1386

Ion Ratio Lower Upper

96 100

61 1287.1 127.5 236.7#

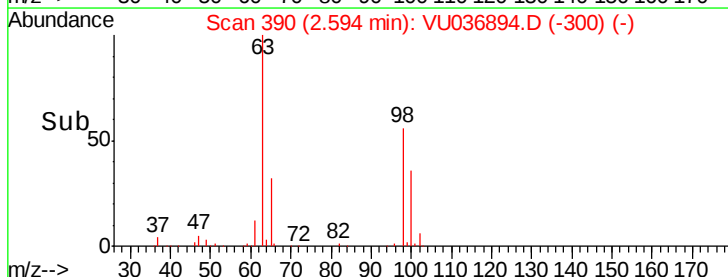
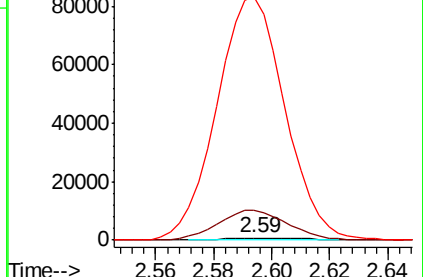
63 10468.3 101.4 188.2#

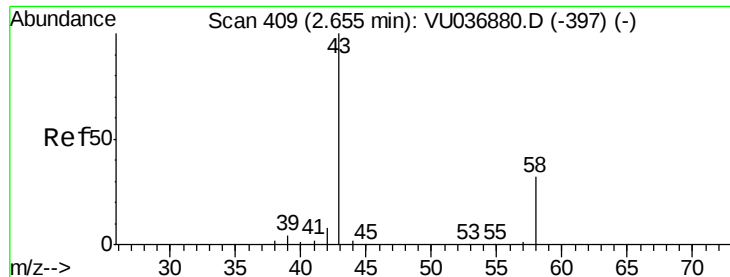


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.821 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036894.D

Acq: 24 Feb 2020 19:30

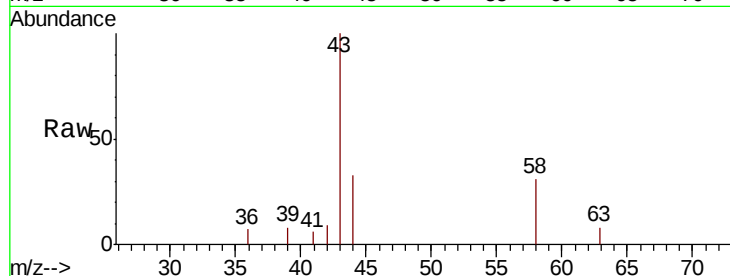
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2826

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036880.D (-397) (-)

2.66

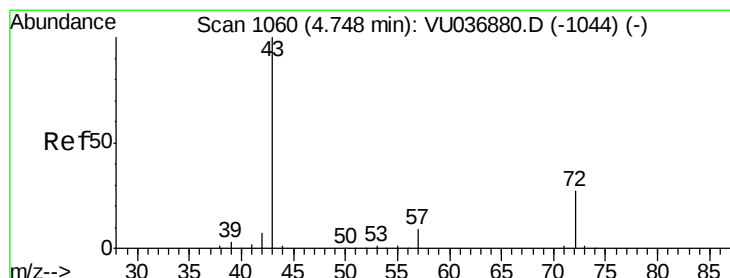
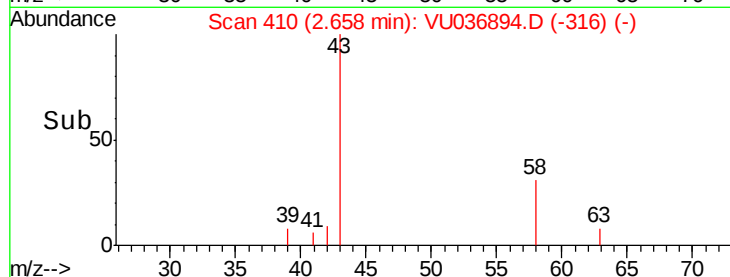
1500

1000

500

0

Time--> 2.60 2.65 2.70



#22

2-Butanone

Concen: 4.936 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU036894.D

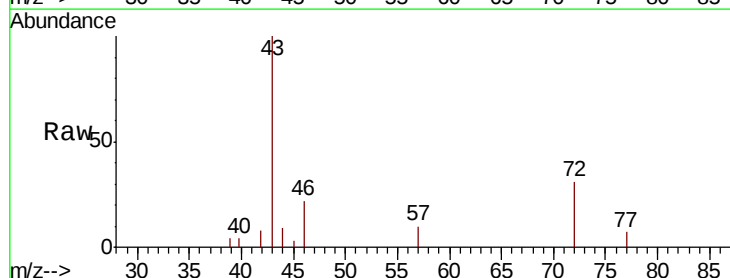
Acq: 24 Feb 2020 19:30

Tgt Ion: 43 Resp: 9236

Ion Ratio Lower Upper

43 100

72 29.1 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU036880.D (-1044) (-)

4.75

4000

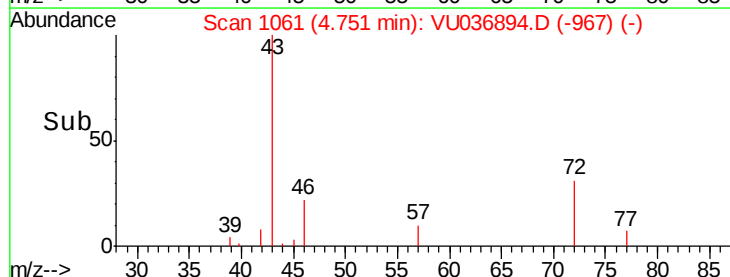
3000

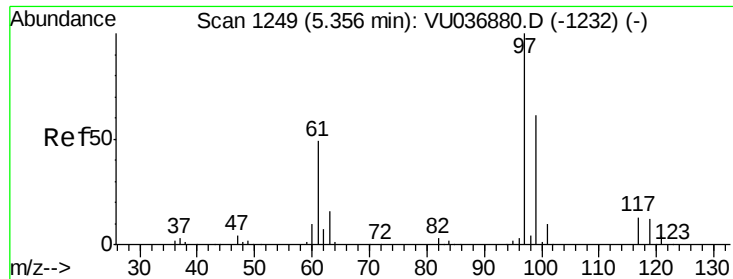
2000

1000

0

Time--> 4.70 4.75 4.80

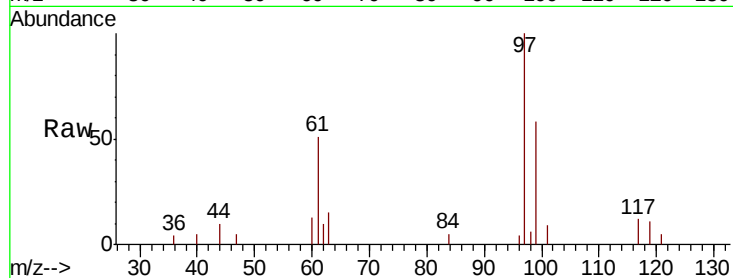




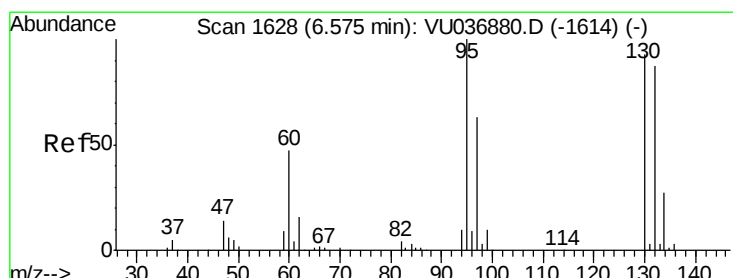
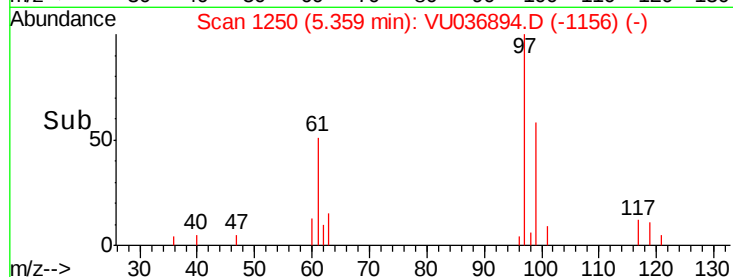
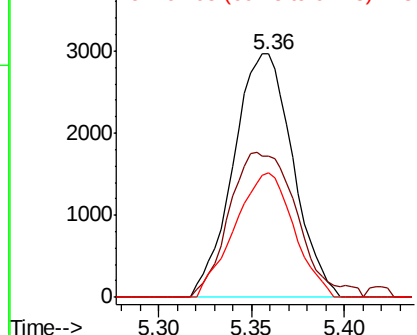
#30
1,1,1-Trichloroethane
Concen: 2.511 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036894.D
Acq: 24 Feb 2020 19:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 6602
Ion Ratio Lower Upper
97 100
99 66.8 50.4 75.6
61 51.0 40.3 60.5



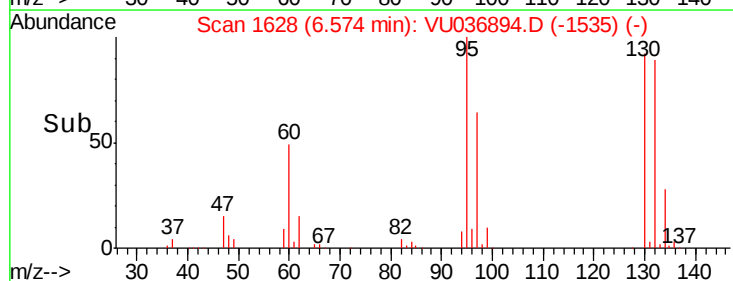
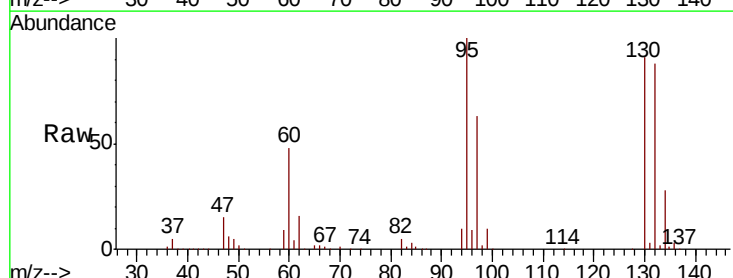
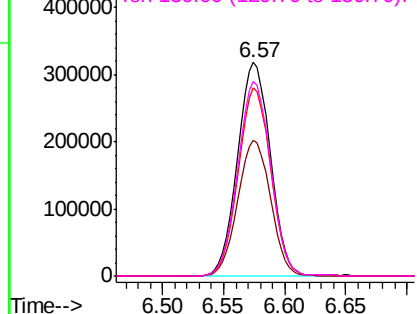
Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

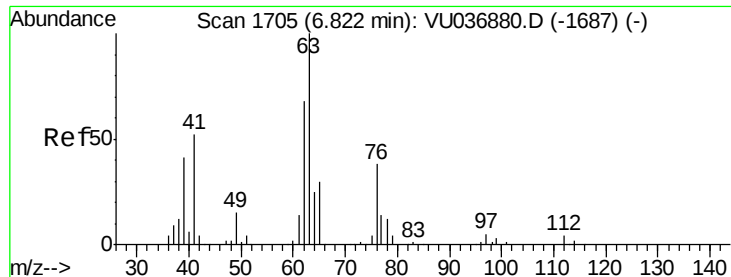


#34
Trichloroethene
Concen: 311.176 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU036894.D
Acq: 24 Feb 2020 19:30

Tgt Ion: 95 Resp: 592530
Ion Ratio Lower Upper
95 100
97 63.3 44.1 81.9
132 88.0 60.6 112.6
130 91.0 64.9 120.5

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

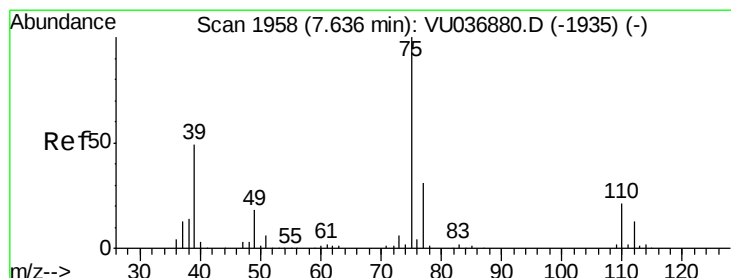
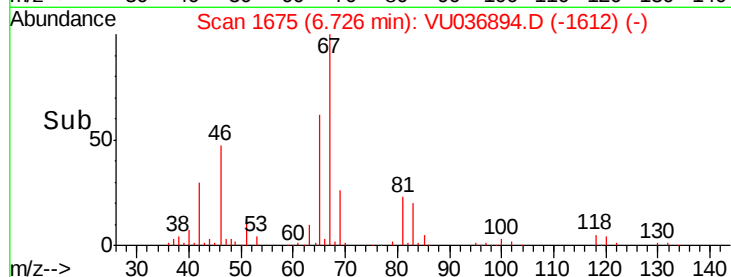
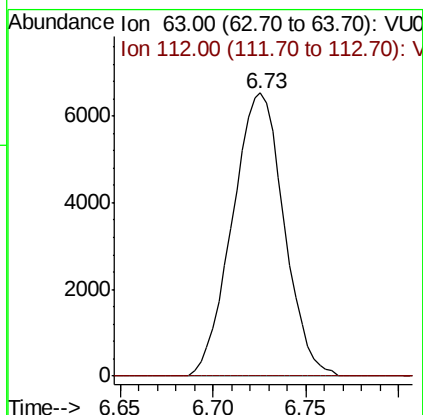
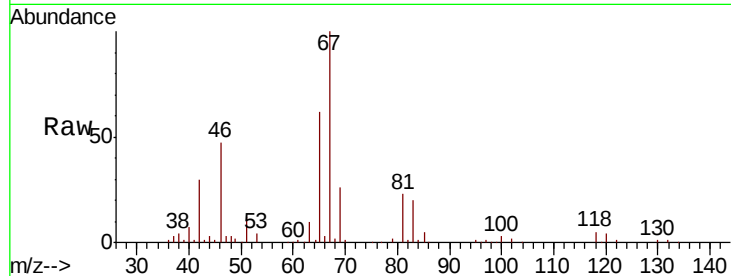




#37
 1,2-Dichloropropane
 Concen: 6.062 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036894.D
 Acq: 24 Feb 2020 19:30

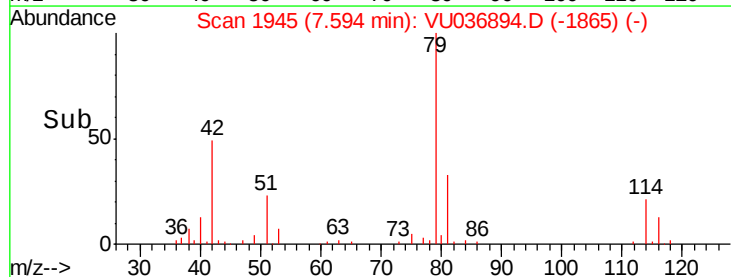
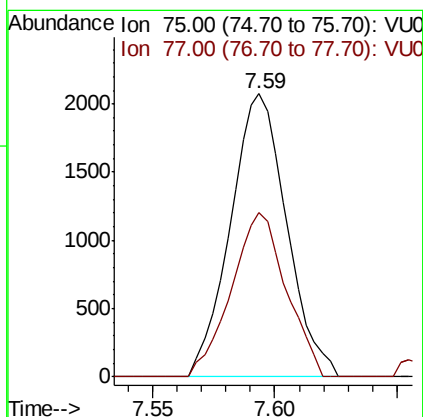
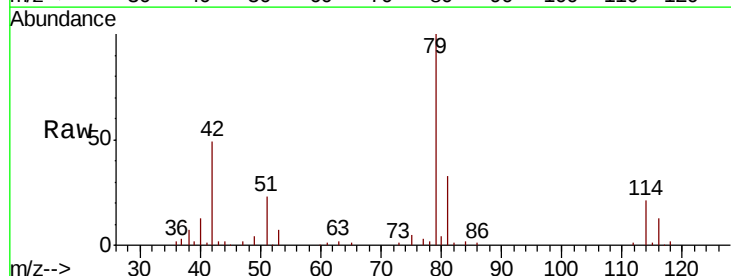
Instrument :
 MSVOA_U
 ClientSampled :

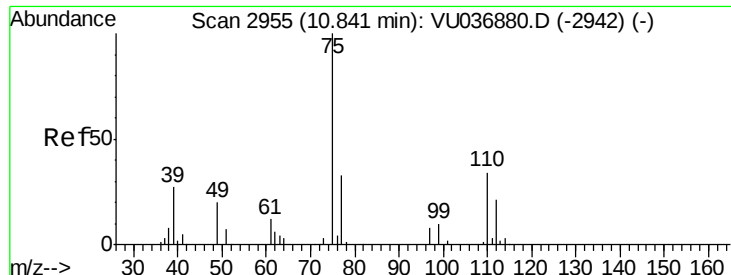
Tot Ion: 63 Resp: 12646
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.031 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU036894.D
 Acq: 24 Feb 2020 19:30

Tgt Ion: 75 Resp: 3314
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.0 41.0#





#59

1,2,3-Trichloropropane

Concen: 5.418 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU036894.D

Acq: 24 Feb 2020 19:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14538

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2

