

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037078.D
 Acq On : 05 Mar 2020 13:11
 Operator : JC/MD
 Sample : L1784-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ8

Quant Time: Mar 05 22:38:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	254720	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	241123	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	83774	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	83284	38.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.86%
7) Chloroethane-d5	1.93	69	85694	48.42	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.84%
11) 1,1-Dichloroethene-d2	2.59	63	115328	32.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.40%
21) 2-Butanone-d5	4.67	46	153072	106.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.68%
24) Chloroform-d	5.11	84	161571	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.74	65	112266	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
32) Benzene-d6	5.76	84	343316	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
36) 1,2-Dichloropropane-d6	6.72	67	117752	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.24%
41) Toluene-d8	7.93	98	304487	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	8.20	79	45987	43.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.60%
47) 2-Hexanone-d5	8.66	63	100117	90.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	159628	50.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	87954	53.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.42%

Target Compounds

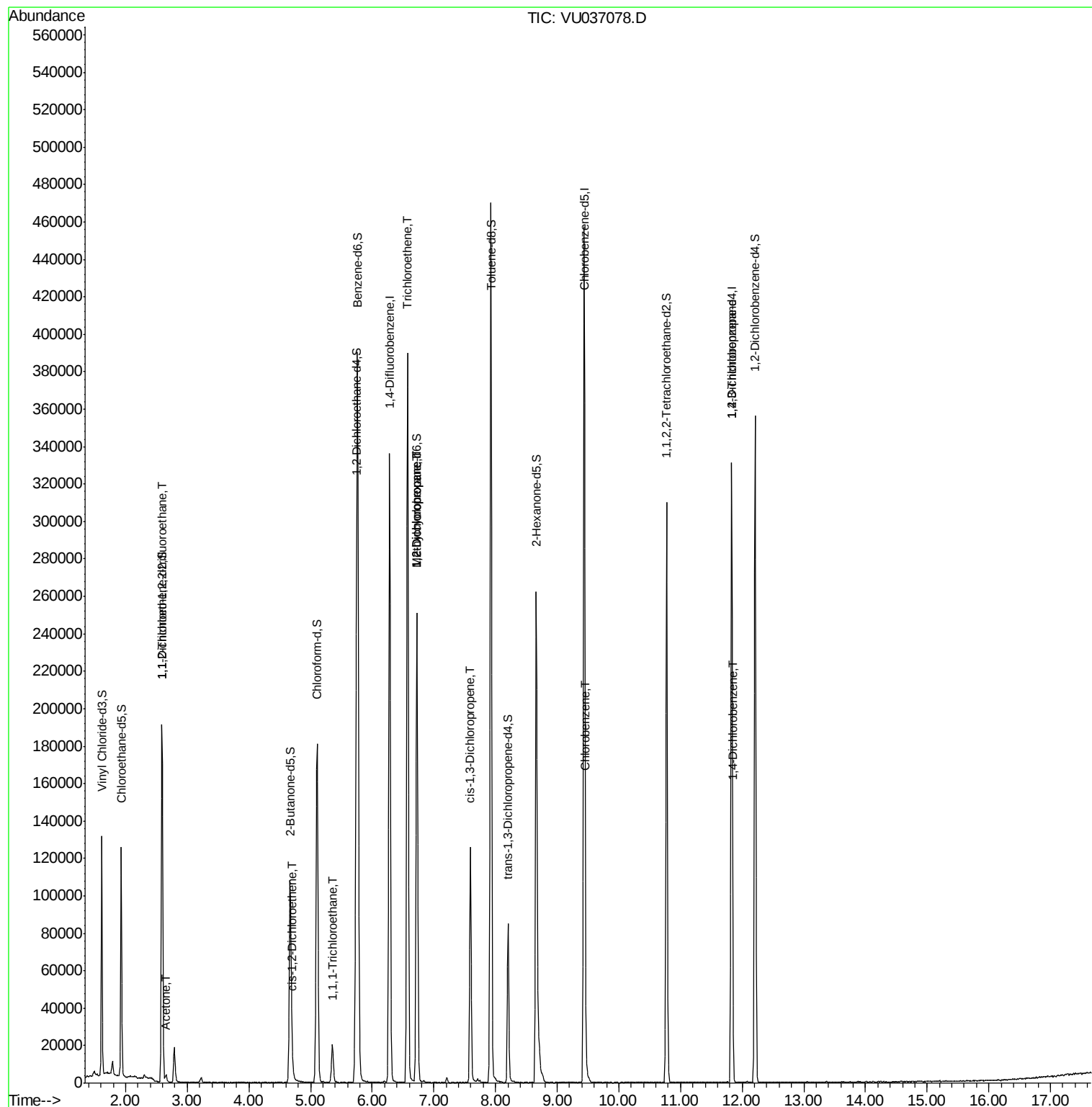
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1690	1.039	ug/L #	48
13) Acetone	2.66	43	4137	2.803	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	1808	0.915	ug/L	94
30) 1,1,1-Trichloroethane	5.35	97	14204	5.494	ug/L	98
34) Trichloroethene	6.57	95	132131	70.574	ug/L	99
35) Methylcyclohexane	6.73	83	25006	7.703	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12812	6.247	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3277	1.037	ug/L #	68
51) Chlorobenzene	9.47	112	4471	0.930	ug/L	94
59) 1,2,3-Trichloropropane	11.83	75	13459	5.101	ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	2889	1.076	ug/L	96

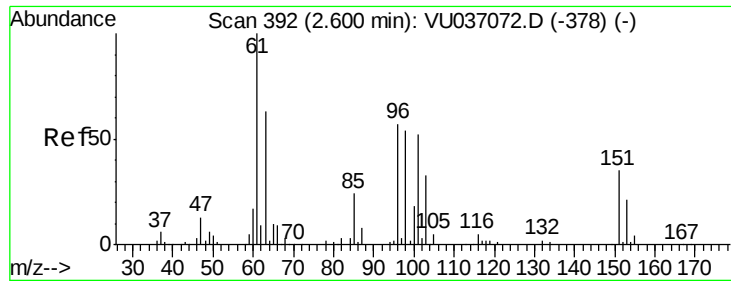
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.039 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU037078.D

Acq: 05 Mar 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0AZ8

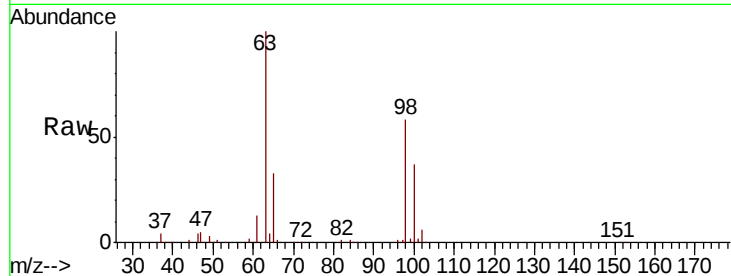
Tot Ion:101 Resp: 1690

Ion Ratio Lower Upper

101 100

85 11.7 36.4 54.6#

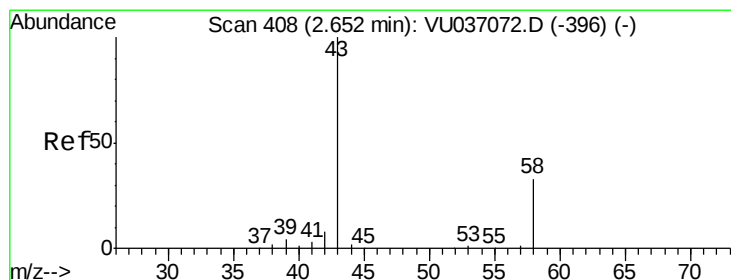
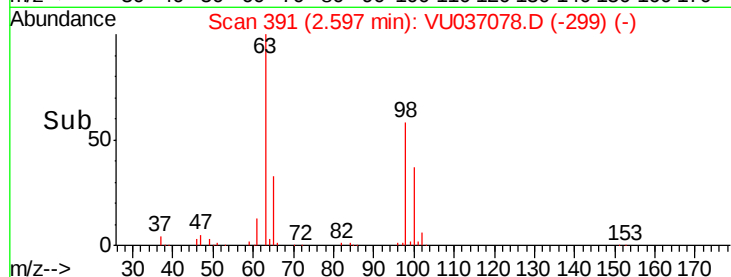
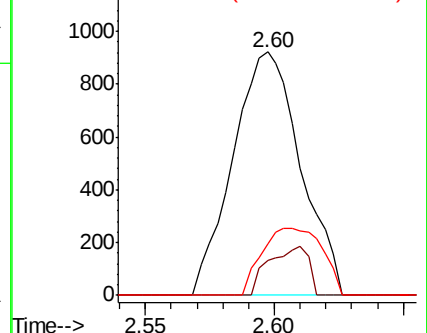
151 24.6 52.4 78.6#



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



#13

Acetone

Concen: 2.803 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037078.D

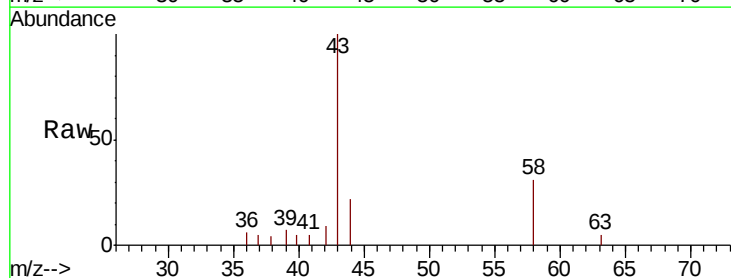
Acq: 05 Mar 2020 13:11

Tgt Ion: 43 Resp: 4137

Ion Ratio Lower Upper

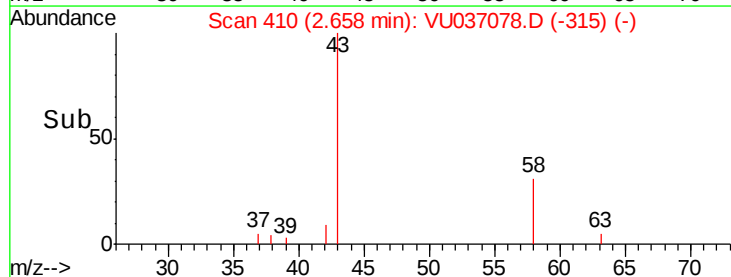
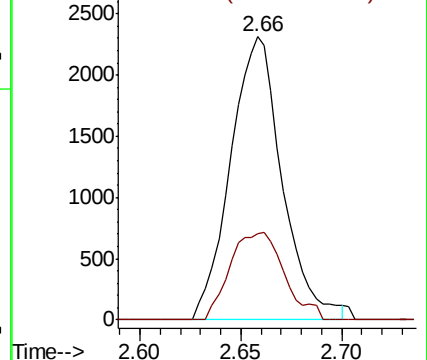
43 100

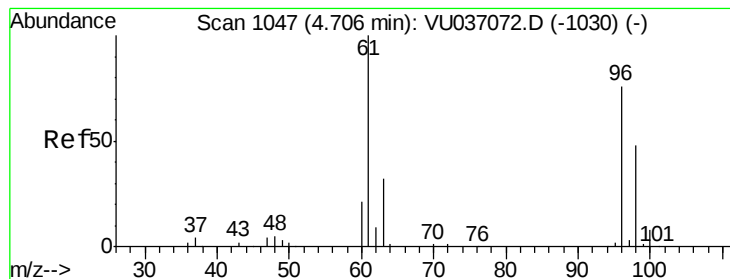
58 31.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 0.915 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037078.D

Acq: 05 Mar 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0AZ8

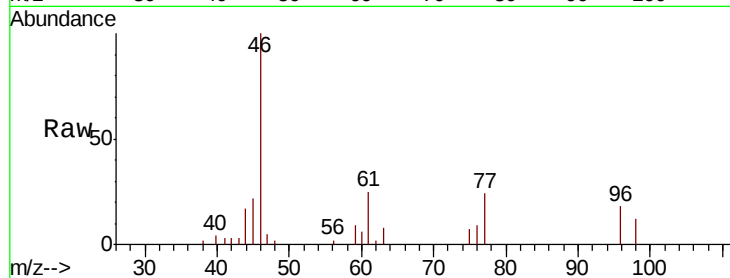
Tot Ion: 96 Resp: 1808

Ion Ratio Lower Upper

96 100

61 140.0 93.1 172.9

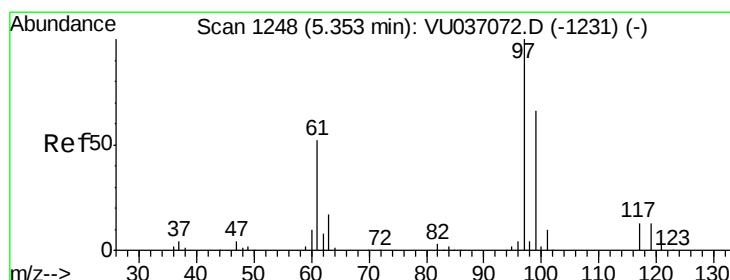
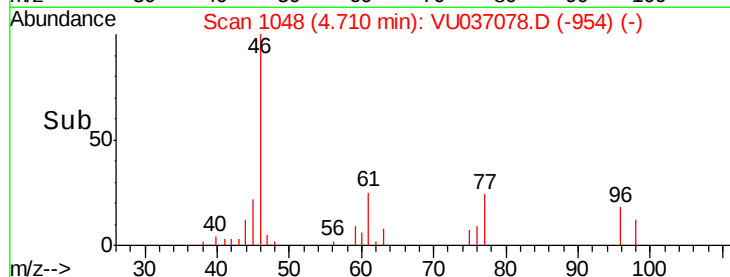
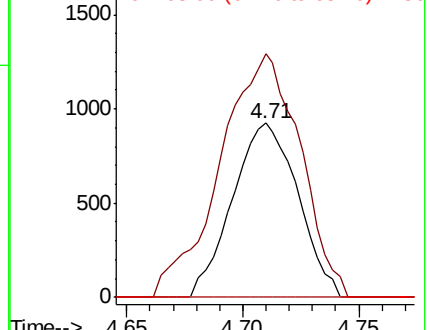
68 0.0 0.0 0.0



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



#30

1,1,1-Trichloroethane

Concen: 5.494 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU037078.D

Acq: 05 Mar 2020 13:11

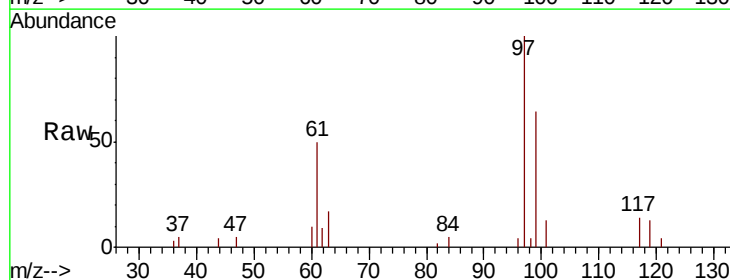
Tgt Ion: 97 Resp: 14204

Ion Ratio Lower Upper

97 100

99 61.9 50.4 75.6

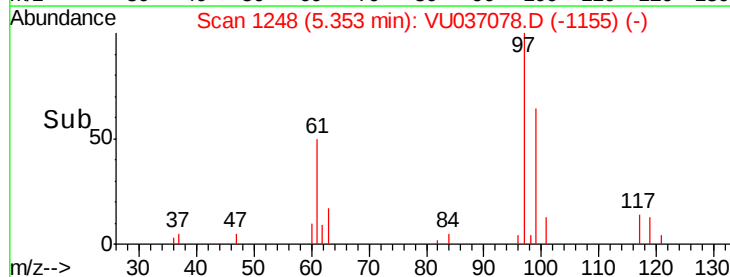
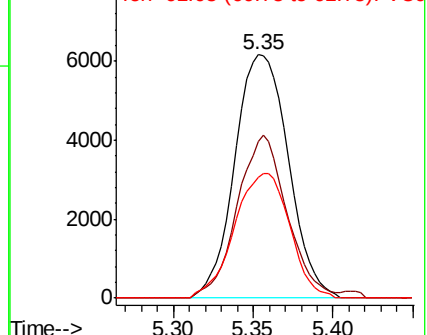
61 52.7 40.3 60.5

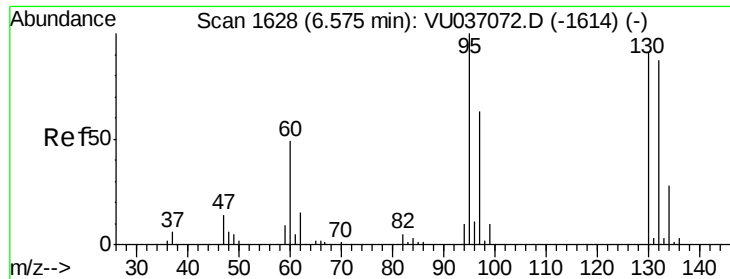


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 70.574 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037078.D

Acq: 05 Mar 2020 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0AZ8

Tot Ion: 95 Resp: 132131

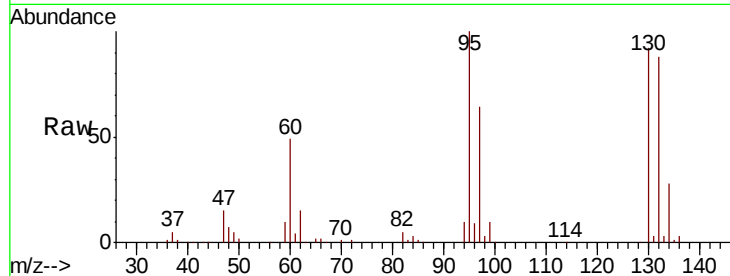
Ion Ratio Lower Upper

95 100

97 64.4 44.1 81.9

132 88.2 60.6 112.6

130 92.2 64.9 120.5

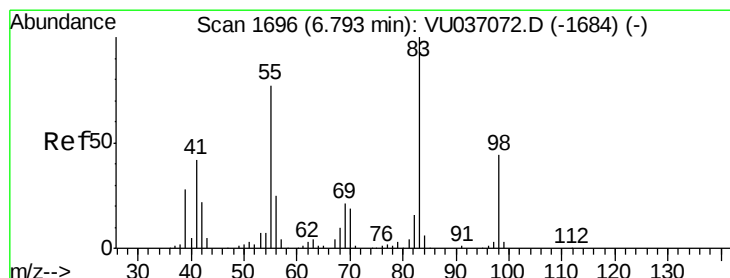
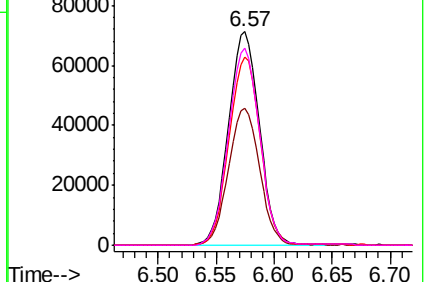
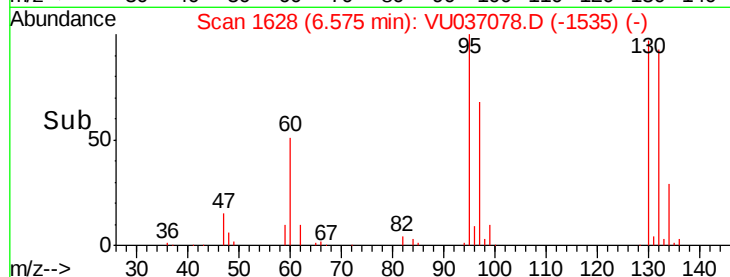


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.703 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037078.D

Acq: 05 Mar 2020 13:11

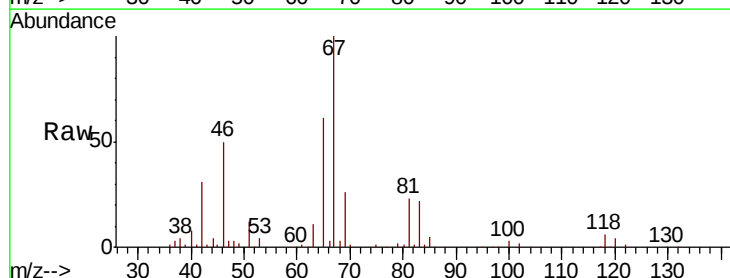
Tgt Ion: 83 Resp: 25006

Ion Ratio Lower Upper

83 100

55 0.0 62.6 93.8#

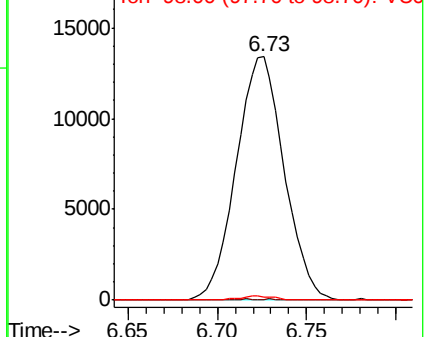
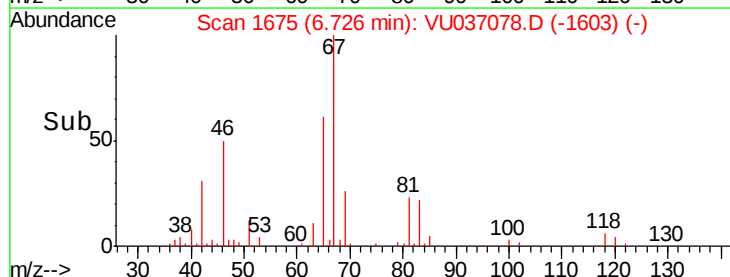
98 1.0 35.1 52.7#

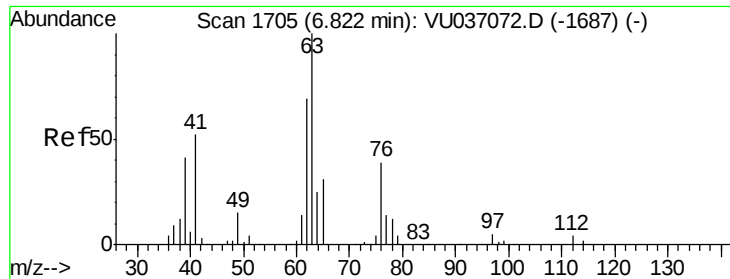


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

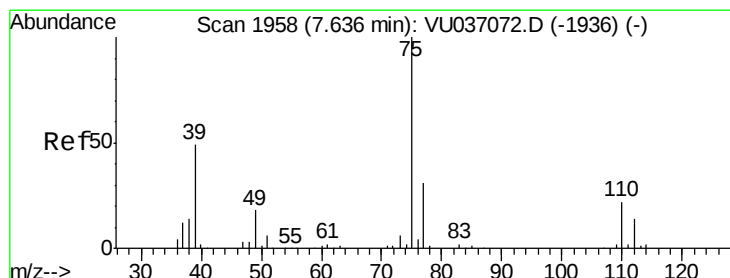
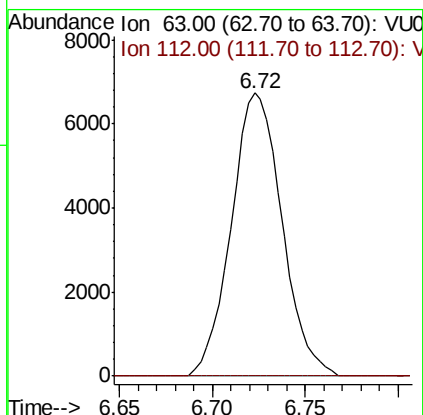
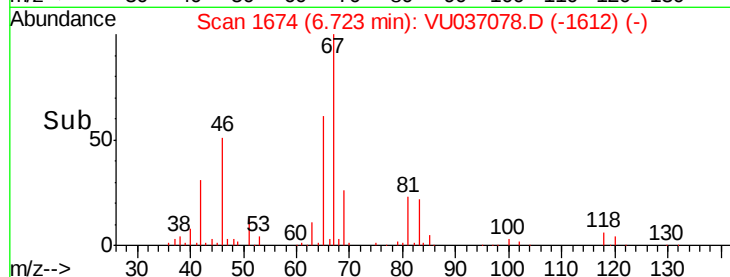
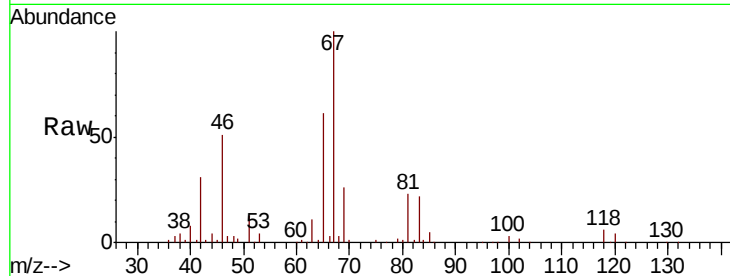




#37
 1,2-Dichloropropane
 Concen: 6.247 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037078.D
 Acq: 05 Mar 2020 13:11

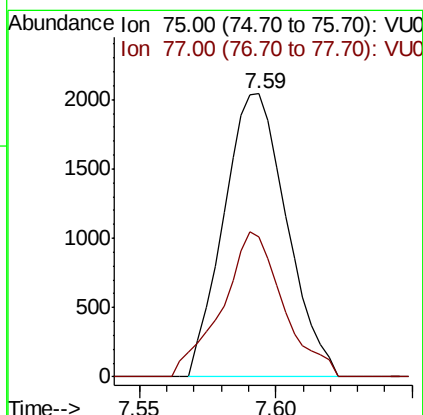
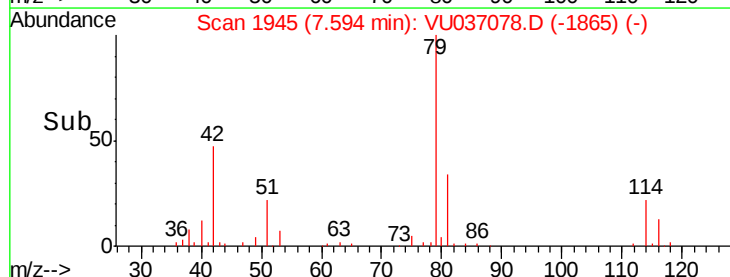
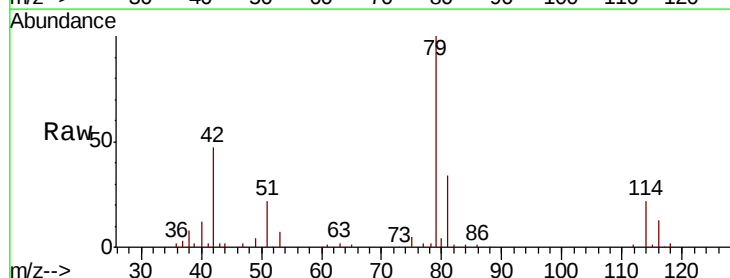
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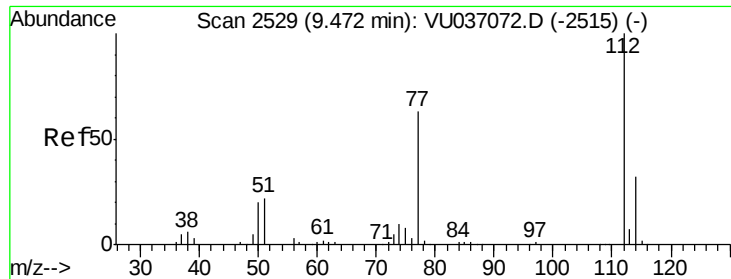
Tot Ion: 63 Resp: 12812
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.037 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037078.D
 Acq: 05 Mar 2020 13:11

Tgt Ion: 75 Resp: 3277
 Ion Ratio Lower Upper
 75 100
 77 49.5 22.0 41.0#

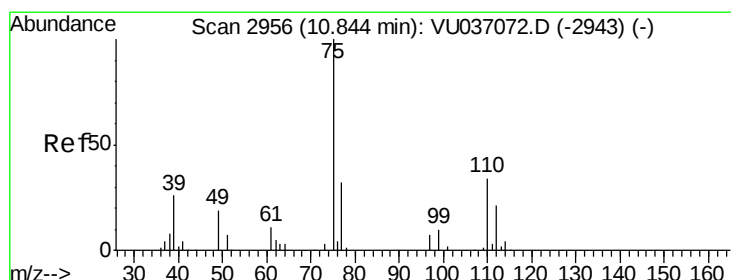
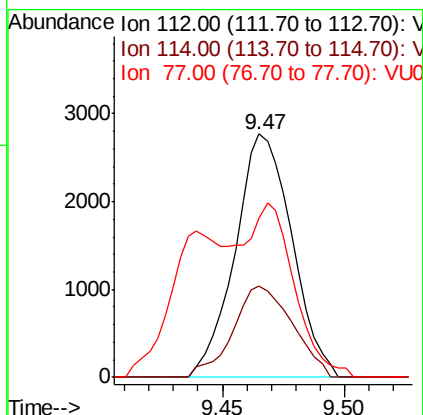
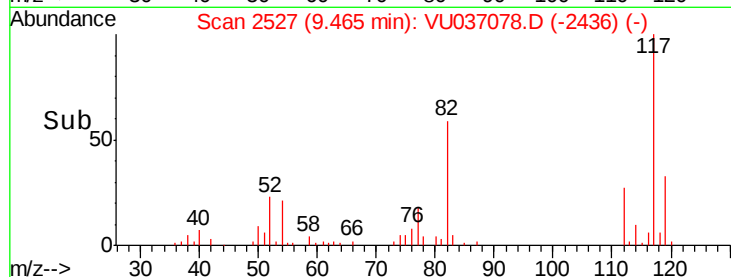
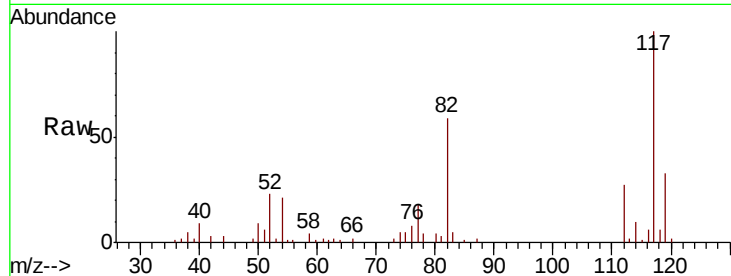




#51
Chlorobenzene
Concen: 0.930 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.01 min
Lab File: VU037078.D
Acq: 05 Mar 2020 13:11

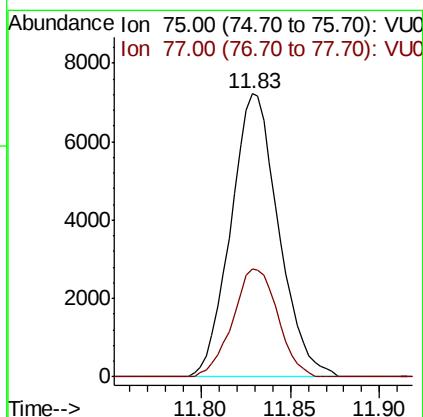
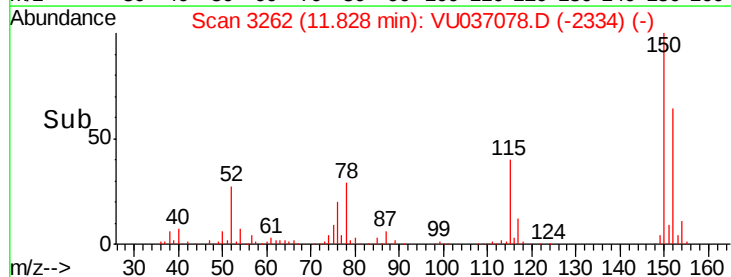
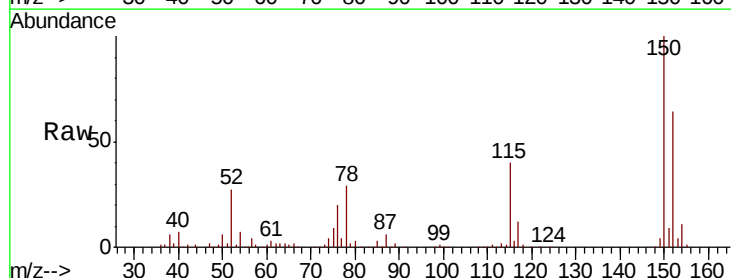
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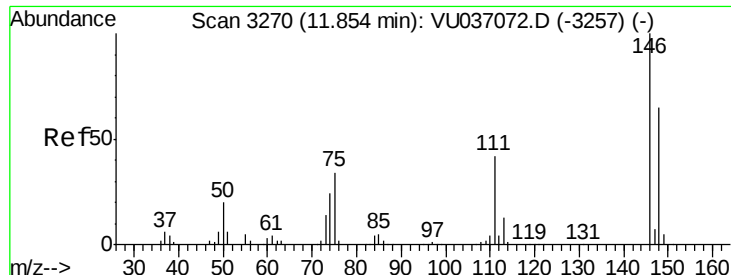
Tot Ion:112 Resp: 4471
Ion Ratio Lower Upper
112 100
114 37.6 22.3 41.5
77 65.3 50.1 75.1



#59
1,2,3-Trichloropropane
Concen: 5.101 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. 0.98 min
Lab File: VU037078.D
Acq: 05 Mar 2020 13:11

Tgt Ion: 75 Resp: 13459
Ion Ratio Lower Upper
75 100
77 36.0 26.2 39.2

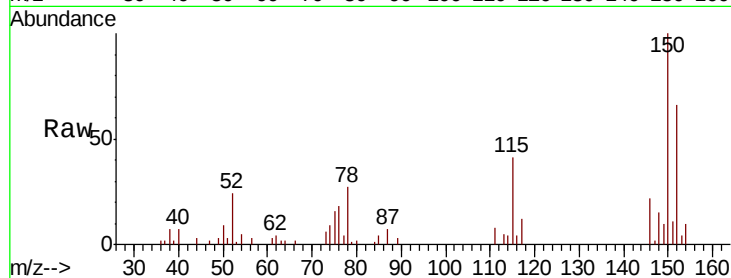




#63
 1,4-Dichlorobenzene
 Concen: 1.076 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037078.D
 Acq: 05 Mar 2020 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ8

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	29.8	55.4
148	64.9	45.1	83.9



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

