

Data File : VU036902.D
Acq On : 25 Feb 2020 12:59
Operator : JC/MD
Sample : L1608-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AR2RE

Quant Time: Feb 26 01:31:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 01:28:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	201871	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	188436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	69150	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104120	61.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	122.84%
7) Chloroethane-d5	1.93	69	90001	64.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.32%
11) 1,1-Dichloroethene-d2	2.59	63	133480	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
21) 2-Butanone-d5	4.67	46	159669	140.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	140.41%#
24) Chloroform-d	5.11	84	165461	63.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.84%#
26) 1,2-Dichloroethane-d4	5.74	65	115544	65.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.90%#
32) Benzene-d6	5.76	84	366705	67.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	134.58%#
36) 1,2-Dichloropropane-d6	6.73	67	118284	67.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	134.00%#
41) Toluene-d8	7.92	98	329264	65.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	130.26%#
43) trans-1,3-Dichloropropene-	8.20	79	51199	62.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	124.80%
47) 2-Hexanone-d5	8.66	63	119184	138.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.07%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	163438	65.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	131.32%#
64) 1,2-Dichlorobenzene-d4	12.21	152	94301	69.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	139.52%#

Target Compounds

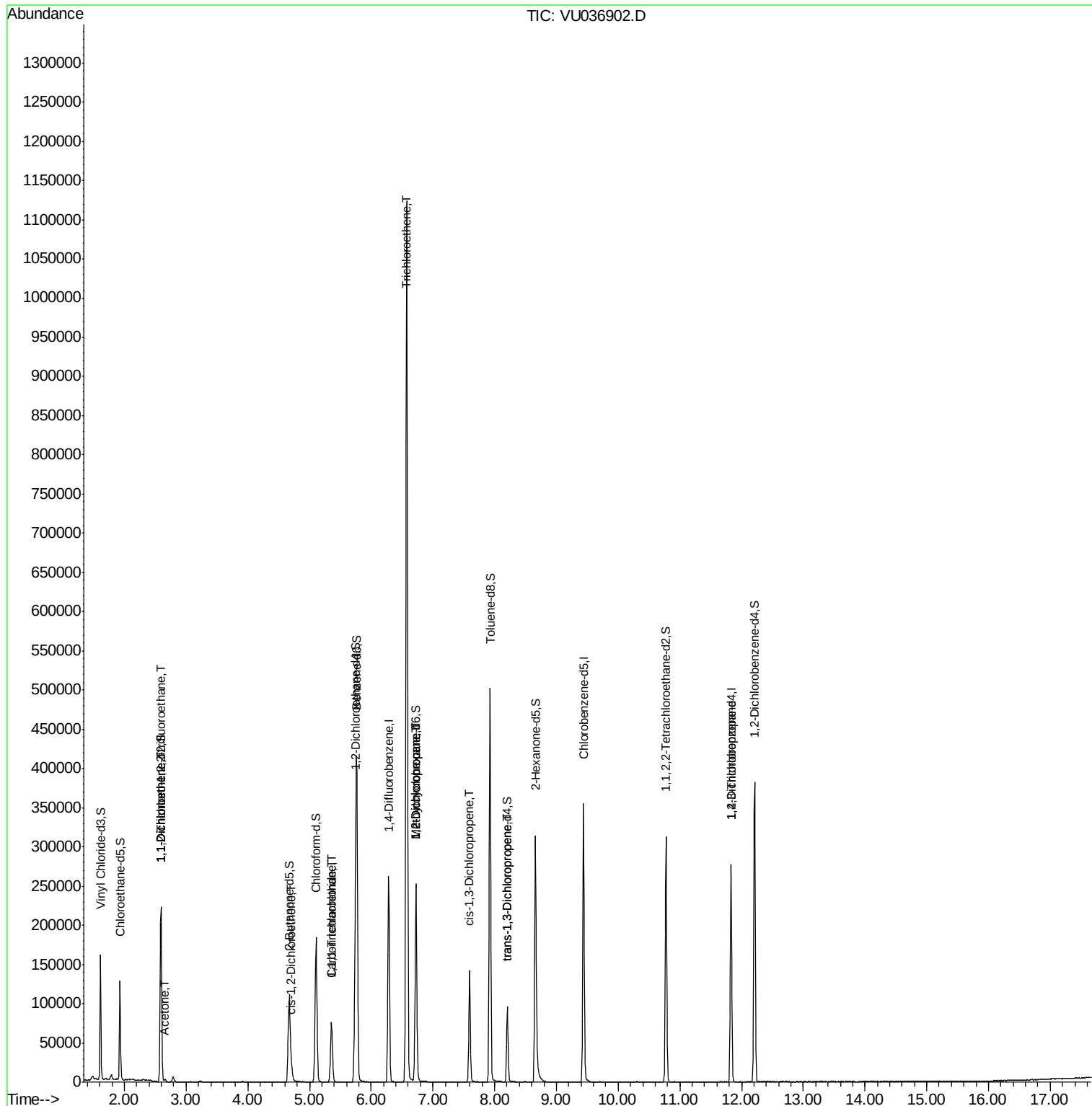
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2170	1.683	ug/L #	54
12) 1,1-Dichloroethene	2.60	96	2813	2.157	ug/L #	1
13) Acetone	2.66	43	3220	2.753	ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	7236	4.620	ug/L	94
30) 1,1,1-Trichloroethane	5.36	97	52444	25.958	ug/L	97
31) Carbon tetrachloride	5.35	117	6882	4.346	ug/L	99
34) Trichloroethene	6.57	95	381509	260.746	ug/L	99
35) Methylcyclohexane	6.73	83	26534	10.460	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12898	8.047	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3529	1.429	ug/L #	65
44) trans-1,3-Dichloropropene	8.20	75	2555	1.193	ug/L	84
59) 1,2,3-Trichloropropane	11.83	75	10383	5.035	ug/L	93

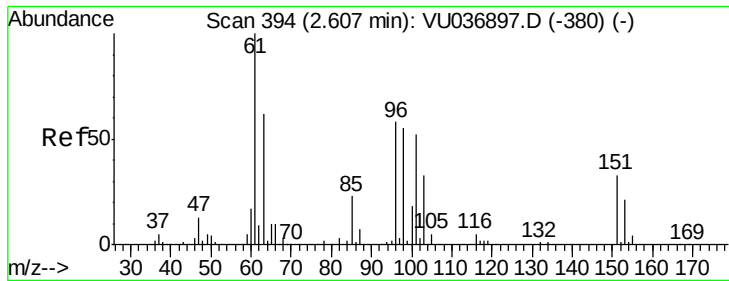
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.683 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036902.D

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Instrument :

MSVOA_U

ClientSampleId :

C0AR2RE

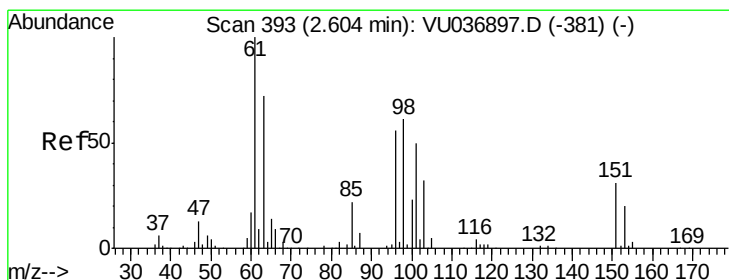
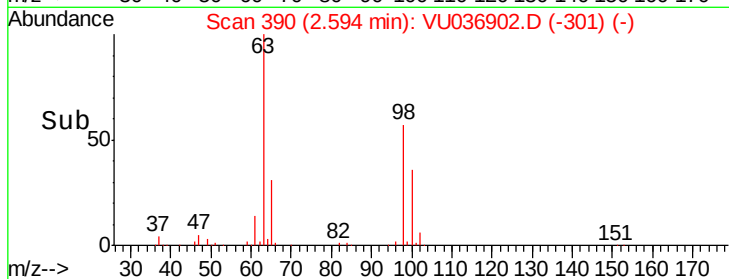
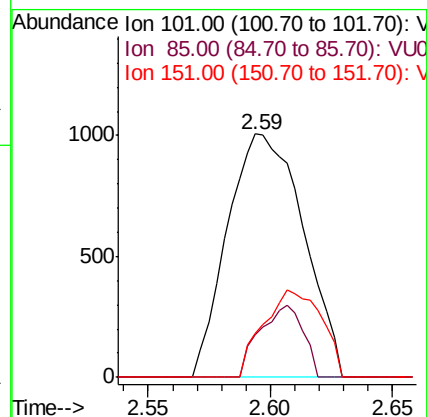
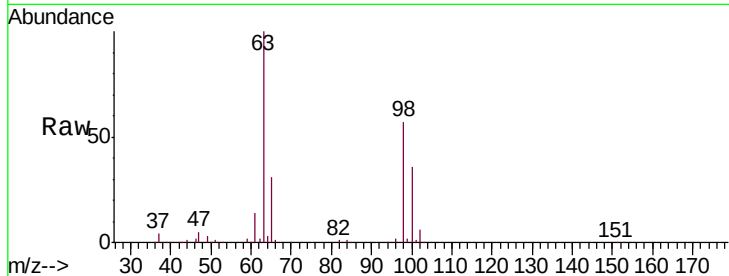
Tgt Ion:101 Resp: 2170

Ion Ratio Lower Upper

101 100

85 17.1 36.4 54.6#

151 27.4 52.4 78.6#



#12

1,1-Dichloroethene

Concen: 2.157 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036902.D

Acq: 25 Feb 2020 12:59

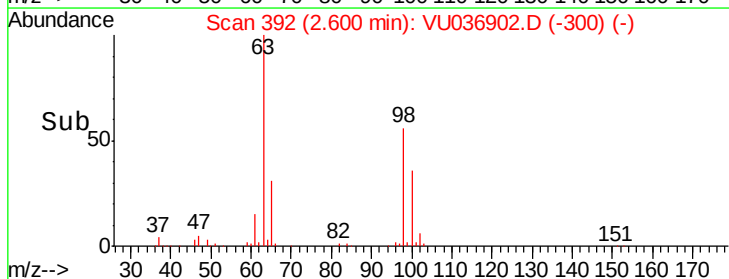
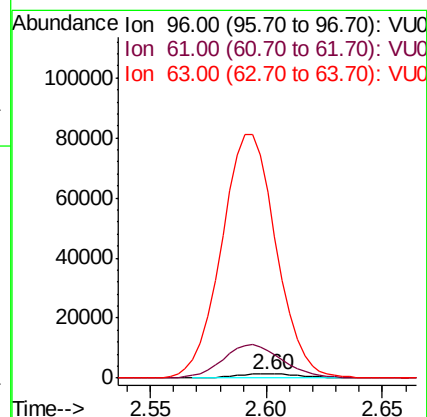
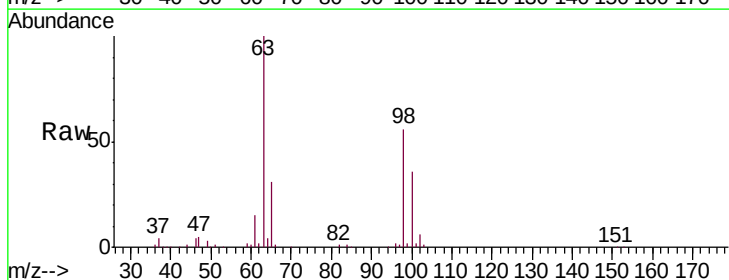
Tgt Ion: 96 Resp: 2813

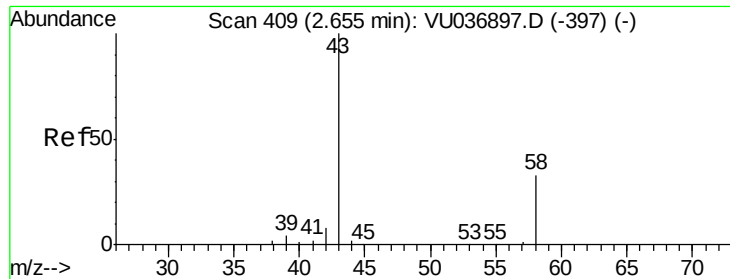
Ion Ratio Lower Upper

96 100

61 678.0 127.5 236.7#

63 4569.2 101.4 188.2#





#13

Acetone

Concen: 2.753 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036902.D

Acq: 25 Feb 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

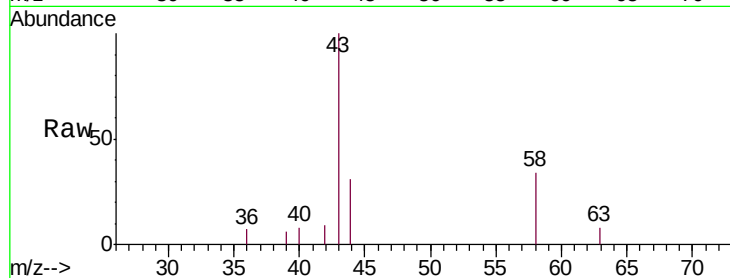
C0AR2RE

Tgt Ion: 43 Resp: 3220

Ion Ratio Lower Upper

43 100

58 28.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036897.D (-397) (-)

2.66

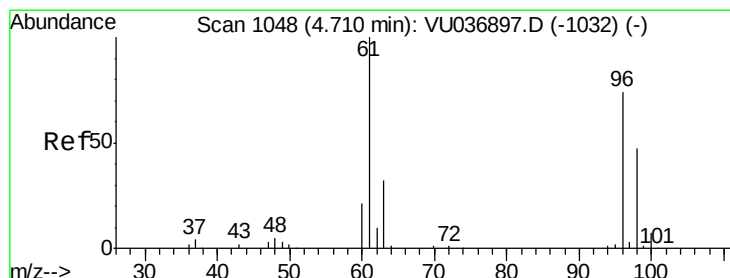
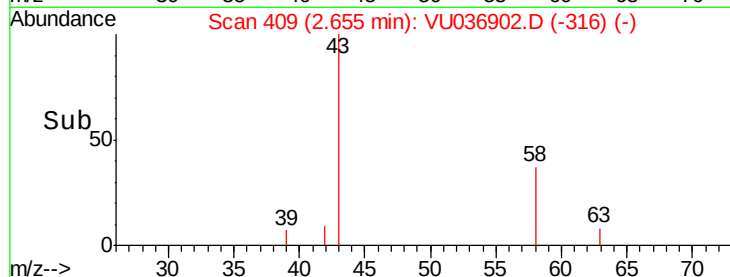
1500

1000

500

0

Time--> 2.60 2.65 2.70



#20

cis-1,2-Dichloroethene

Concen: 4.620 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036902.D

Acq: 25 Feb 2020 12:59

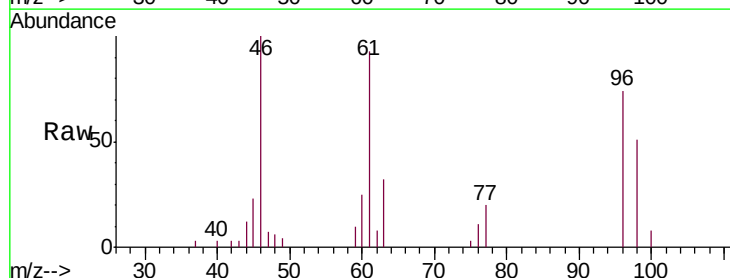
Tgt Ion: 96 Resp: 7236

Ion Ratio Lower Upper

96 100

61 126.3 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036897.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036897.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036897.D (-1032) (-)

4.71

6000

5000

4000

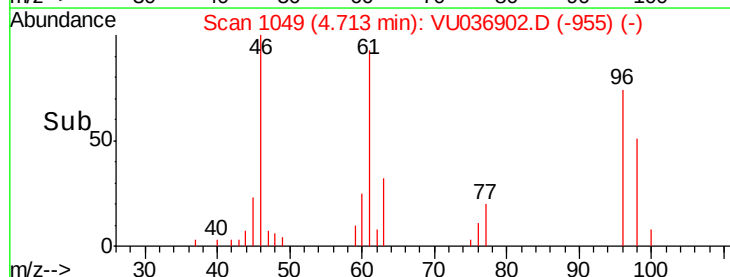
3000

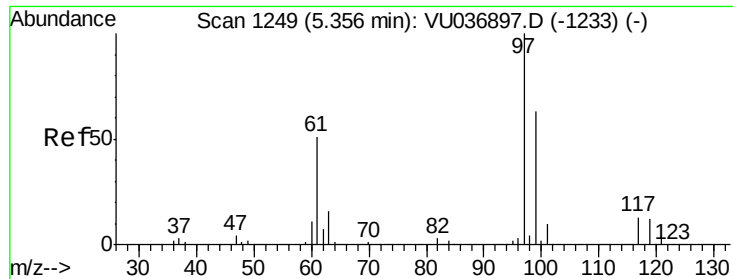
2000

1000

0

Time--> 4.65 4.70 4.75

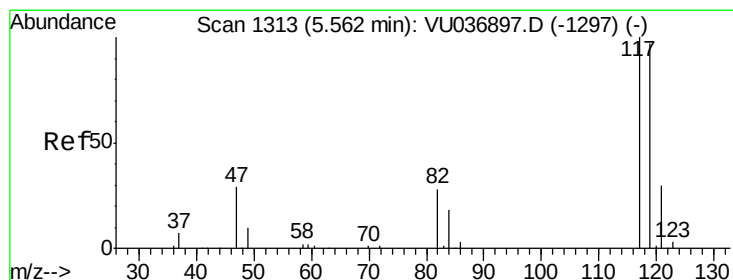
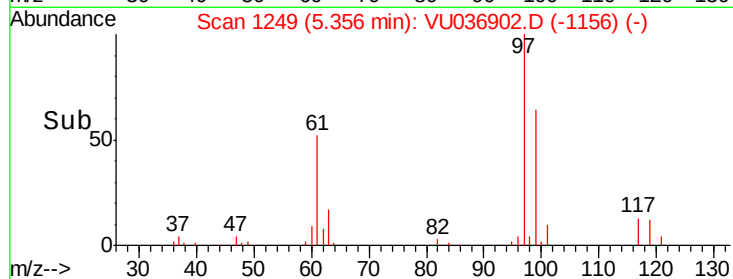
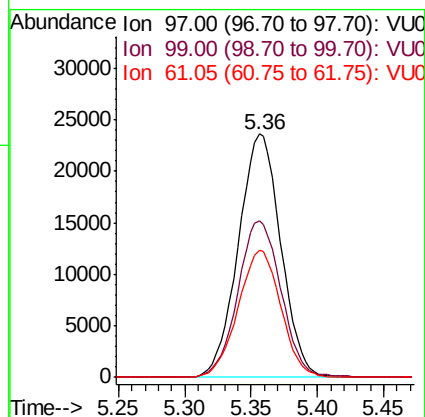
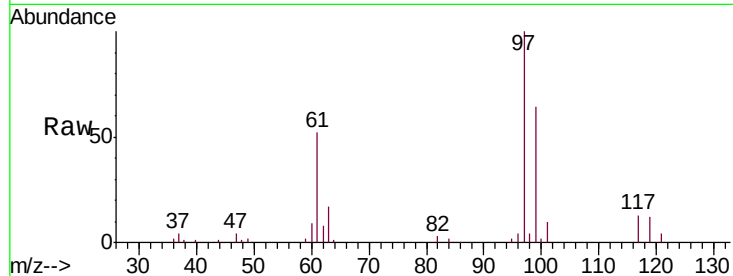




#30
 1,1,1-Trichloroethane
 Concen: 25.958 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

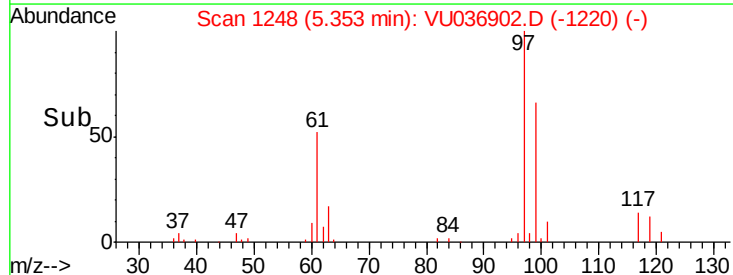
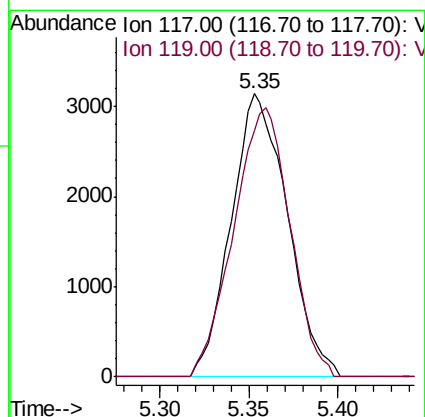
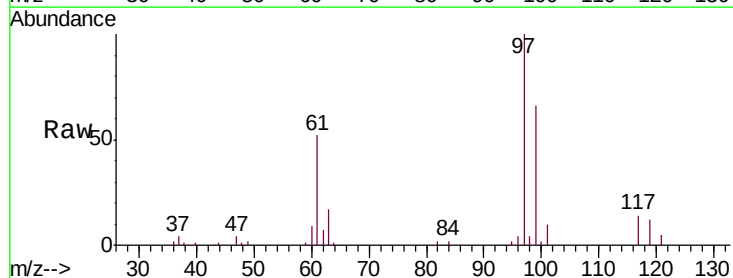
Instrument :
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 ClientSampleId :
 C0AR2RE

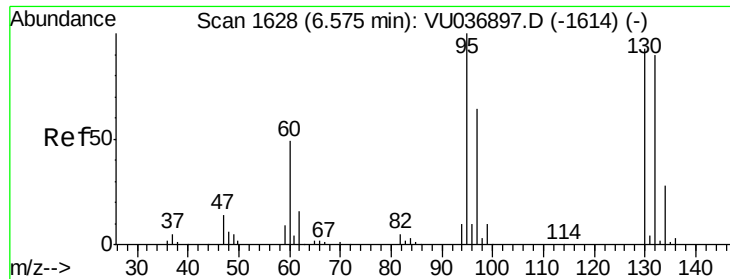
Tgt Ion: 97 Resp: 52444
 Ion Ratio Lower Upper
 97 100
 99 65.6 50.4 75.6
 61 52.6 40.3 60.5



#31
 Carbon tetrachloride
 Concen: 4.346 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

Tgt Ion: 117 Resp: 6882
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.2 115.8





#34

Trichloroethene

Concen: 260.746 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036902.D

Acq: 25 Feb 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

C0AR2RE

Tgt Ion: 95 Resp: 381509

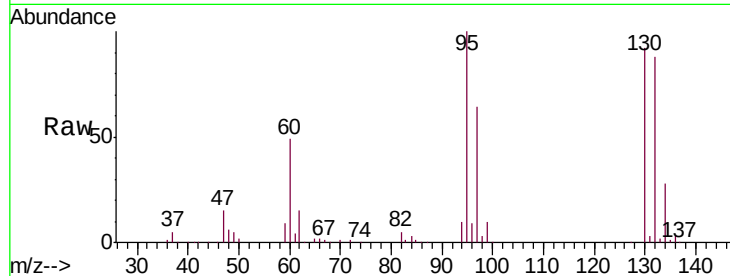
Ion Ratio Lower Upper

95 100

97 64.1 44.1 81.9

132 87.5 60.6 112.6

130 92.4 64.9 120.5

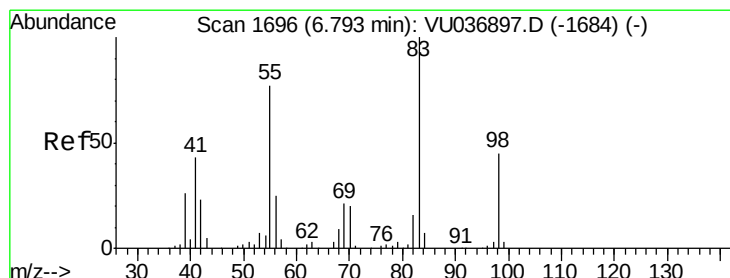
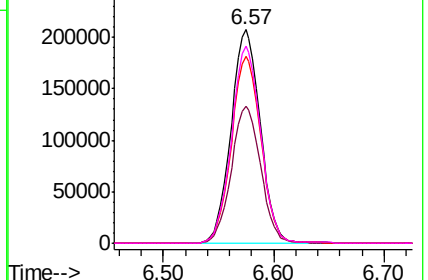
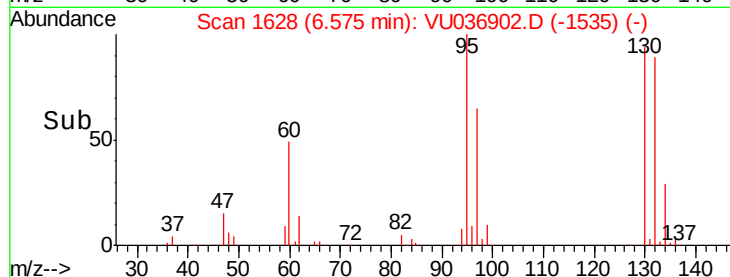


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.460 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU036902.D

Acq: 25 Feb 2020 12:59

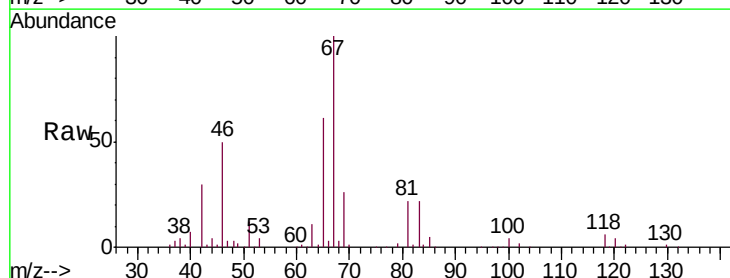
Tgt Ion: 83 Resp: 26534

Ion Ratio Lower Upper

83 100

55 0.0 62.6 93.8#

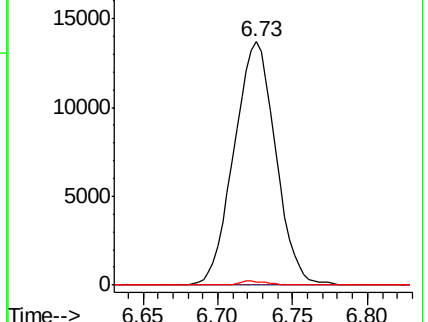
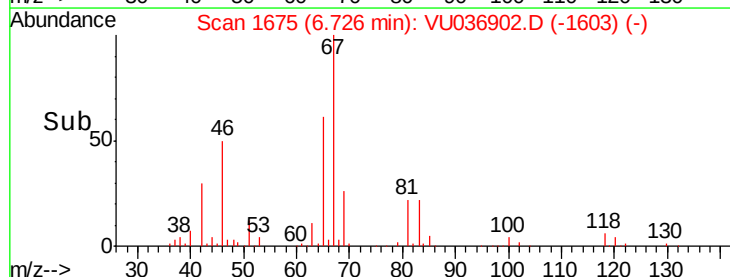
98 1.1 35.1 52.7#

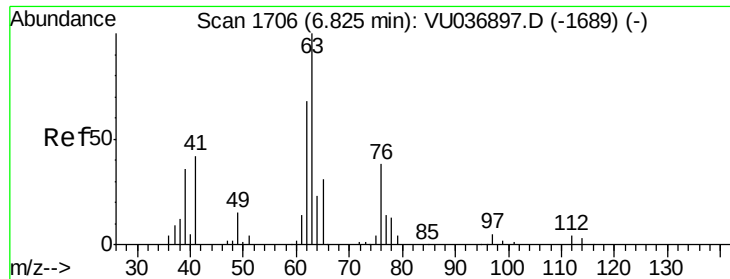


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

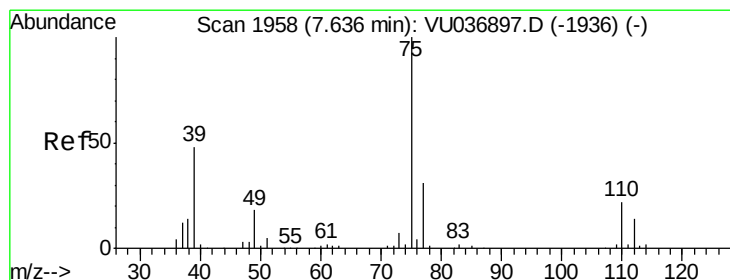
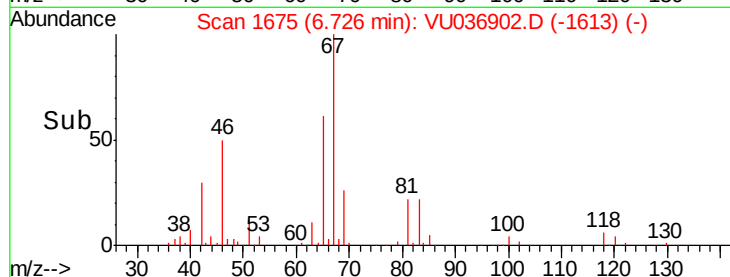
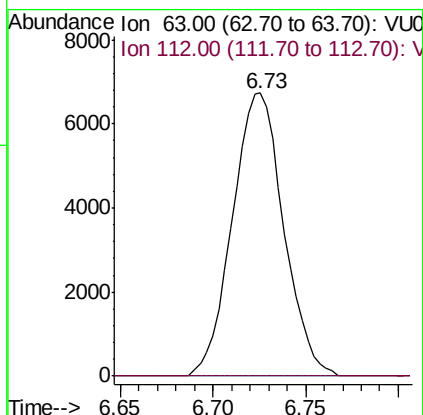
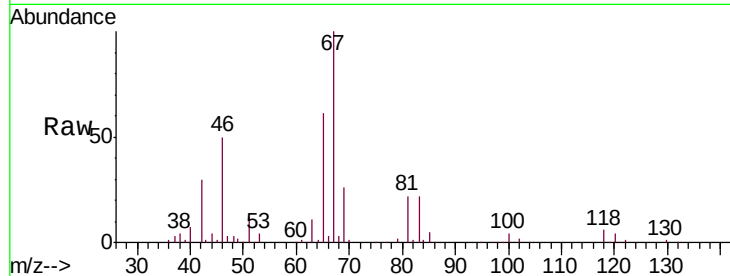




#37
 1,2-Dichloropropane
 Concen: 8.047 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

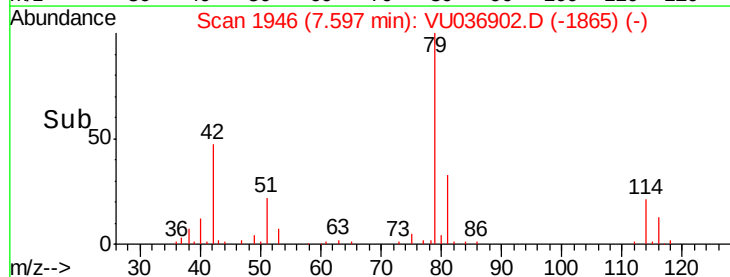
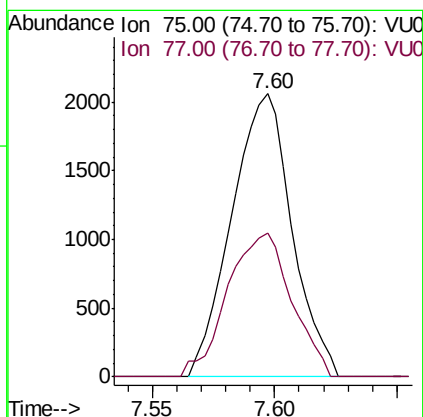
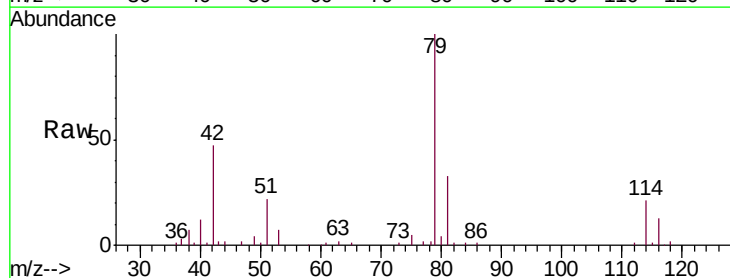
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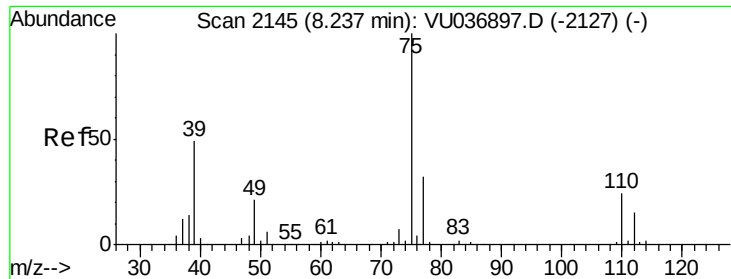
Tgt Ion: 63 Resp: 12898
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.429 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

Tgt Ion: 75 Resp: 3529
 Ion Ratio Lower Upper
 75 100
 77 50.6 22.0 41.0#

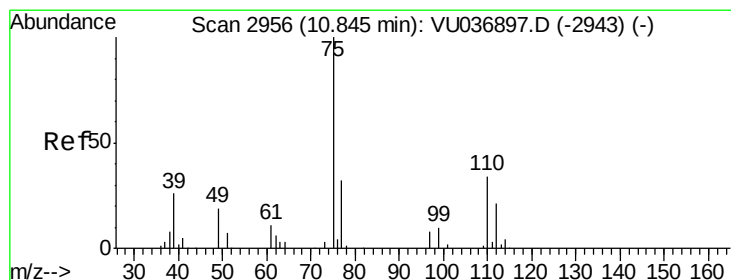
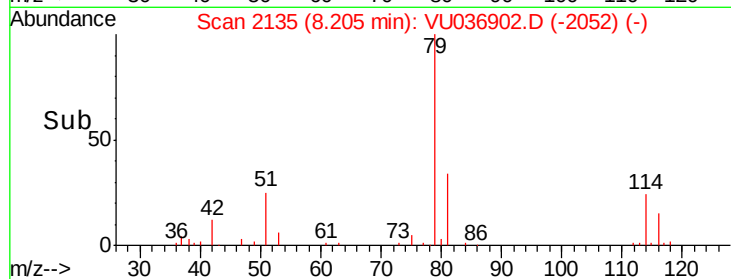
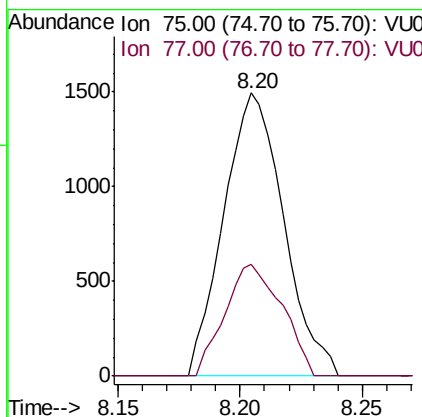
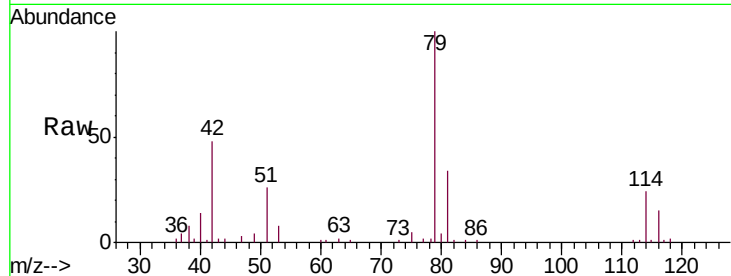




#44
 trans-1,3-Dichloropropene
 Concen: 1.193 ug/L
 RT: 8.20 min Scan# 2135
 Delta R.T. -0.03 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR2RE

Tgt Ion: 75 Resp: 2555
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.6 40.2



#59
 1,2,3-Trichloropropane
 Concen: 5.035 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.98 min
 Lab File: VU036902.D
 Acq: 25 Feb 2020 12:59

Tgt Ion: 75 Resp: 10383
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.2 39.2

