

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036892.D
 Acq On : 24 Feb 2020 18:45
 Operator : JC/MD
 Sample : L1608-15 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 25 03:22:00 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	275609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	257158	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	97406	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105857	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.48%
7) Chloroethane-d5	1.93	69	90425	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.59	63	137045	35.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.72%
21) 2-Butanone-d5	4.67	46	156605	100.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.87%
24) Chloroform-d	5.11	84	166997	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
26) 1,2-Dichloroethane-d4	5.74	65	117328	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
32) Benzene-d6	5.76	84	369819	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.73	67	120254	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.82%
41) Toluene-d8	7.93	98	331943	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	8.20	79	52633	47.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.02%
47) 2-Hexanone-d5	8.66	63	114968	97.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162413	47.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.62%
64) 1,2-Dichlorobenzene-d4	12.21	152	97408	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%

Target Compounds

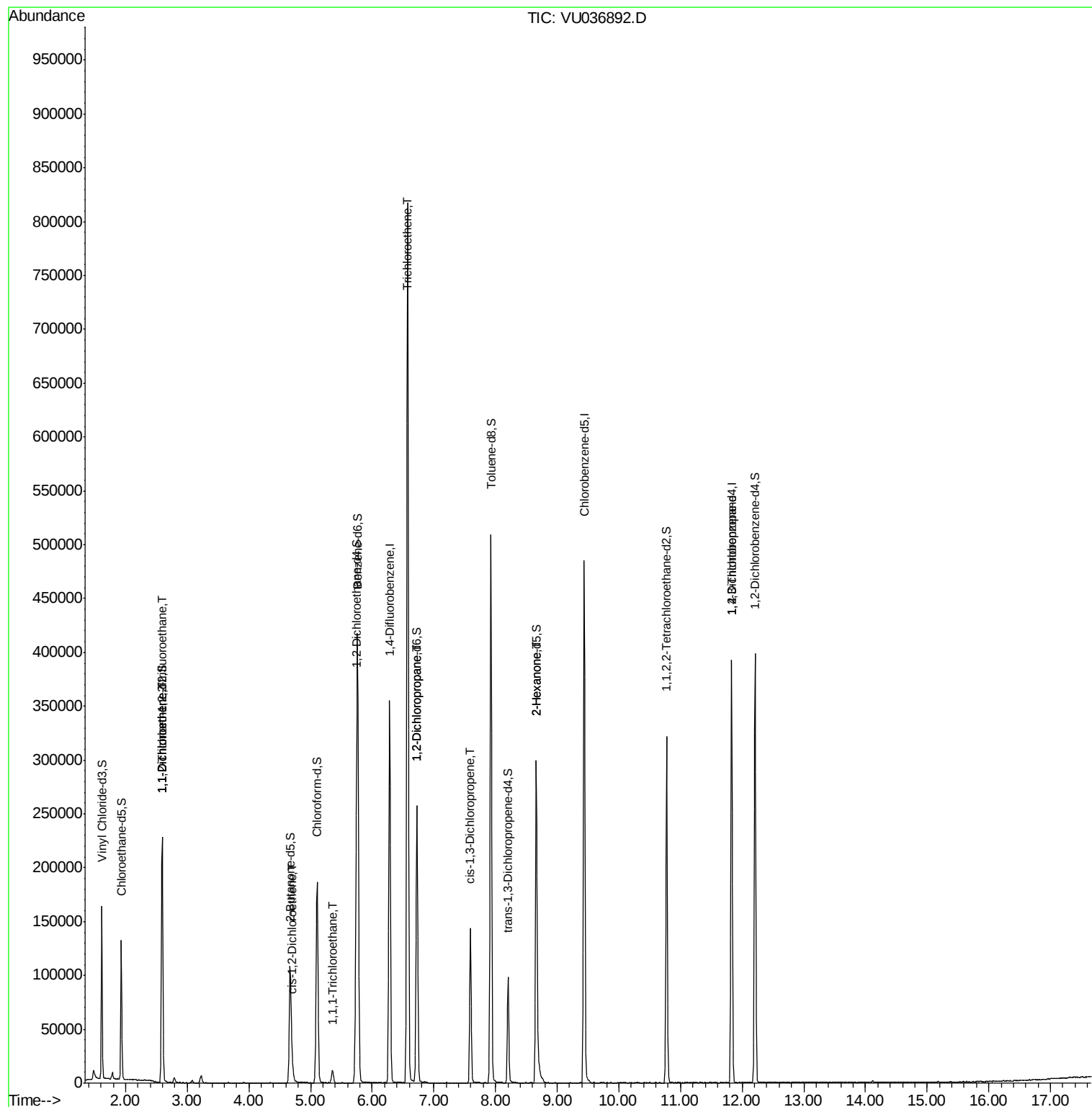
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1711	0.972 ug/L #	41
12) 1,1-Dichloroethene	2.60	96	1572	0.883 ug/L #	1
20) cis-1,2-Dichloroethene	4.70	96	4567	2.136 ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	8437	3.060 ug/L	96
34) Trichloroethene	6.57	95	277602	139.027 ug/L	98
37) 1,2-Dichloropropane	6.72	63	13524	6.183 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3372	1.001 ug/L #	68
48) 2-Hexanone	8.66	43	13953	5.425 ug/L #	70
59) 1,2,3-Trichloropropane	11.83	75	14399	5.117 ug/L	95

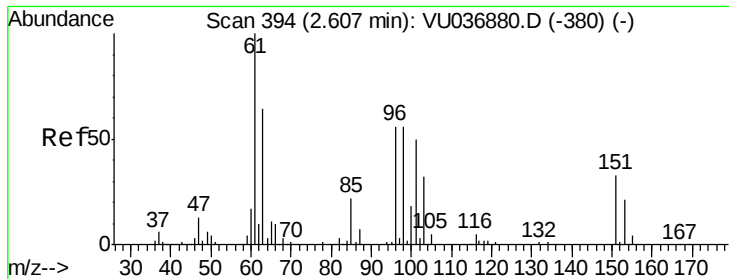
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 25 03:18:14 2020
Response via : Initial Calibration





#10

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

Concen: 0.972 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

Instrument :

MSVOA_U

ClientSampled :

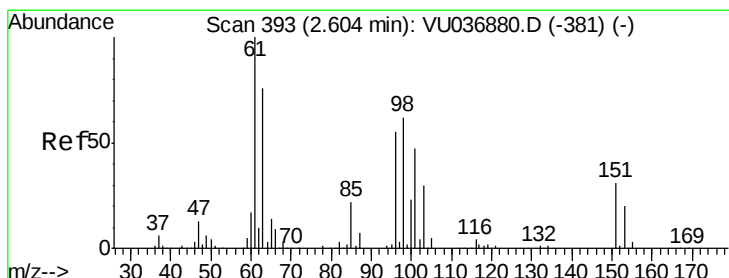
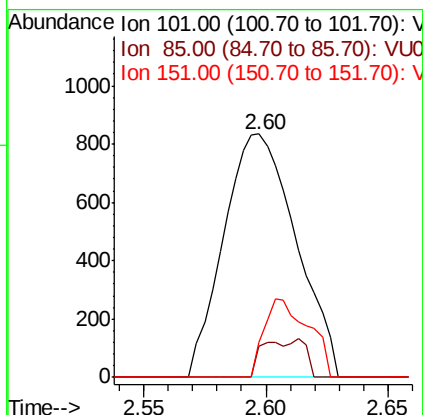
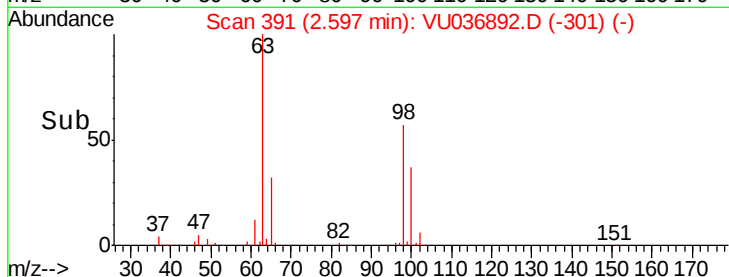
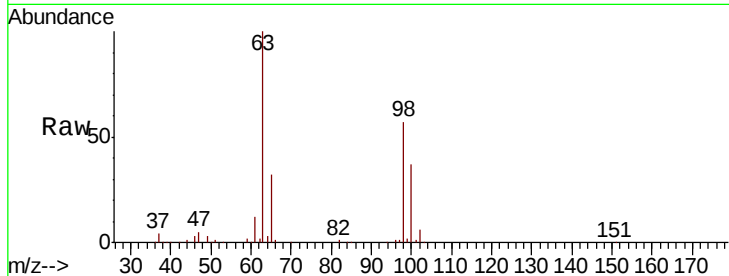
Tot Ion:101 Resp: 1711

Ion Ratio Lower Upper

101 100

85 5.1 36.4 54.6#

151 19.6 52.4 78.6#



#12

1,1-Dichloroethene

Concen: 0.883 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

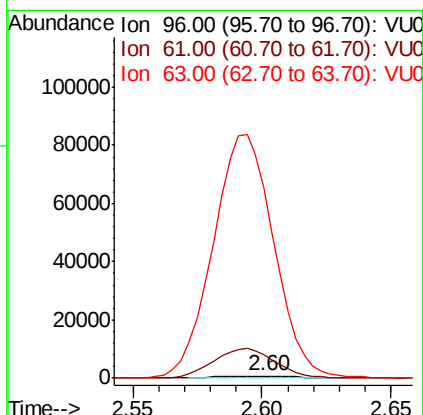
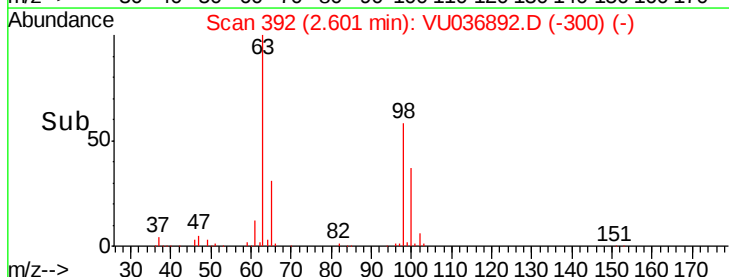
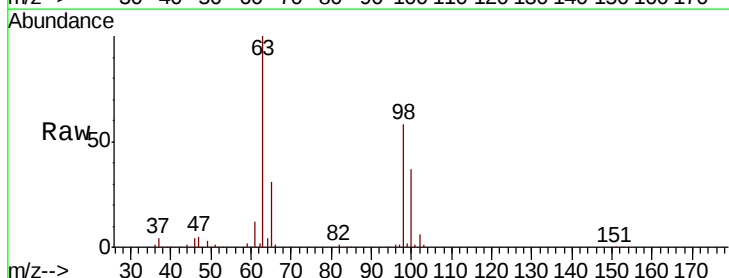
Tgt Ion: 96 Resp: 1572

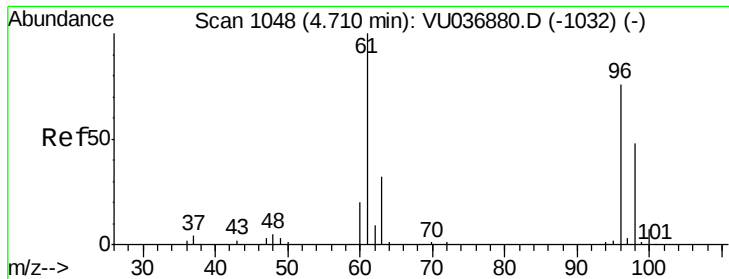
Ion Ratio Lower Upper

96 100

61 1008.4 127.5 236.7#

63 8119.7 101.4 188.2#





#20

cis-1,2-Dichloroethene

Concen: 2.136 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

Instrument :
MSVOA_U
ClientSampleId :

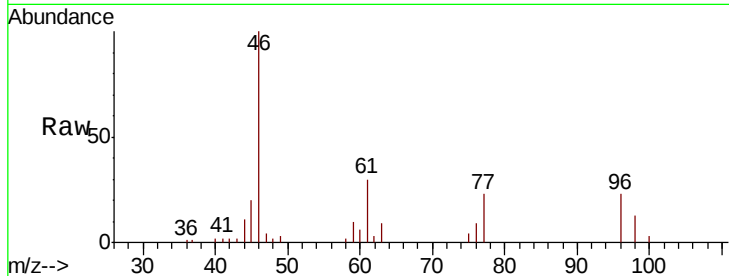
Tot Ion: 96 Resp: 4567

Ion Ratio Lower Upper

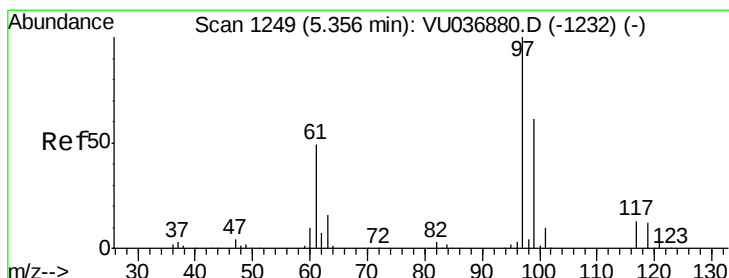
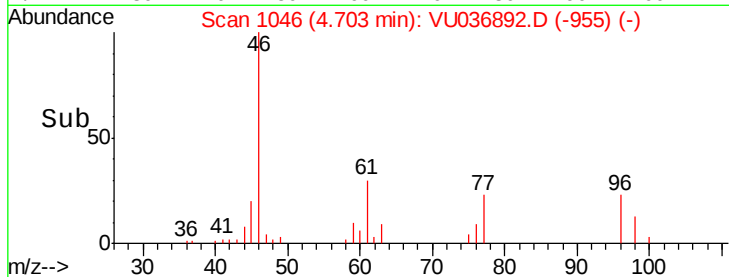
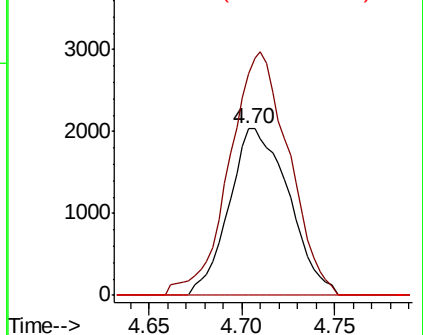
96 100

61 133.3 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: 3.060 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

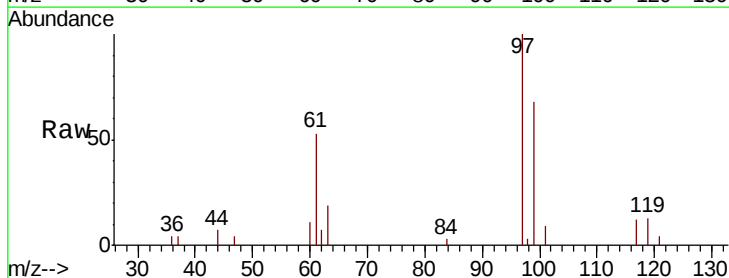
Tgt Ion: 97 Resp: 8437

Ion Ratio Lower Upper

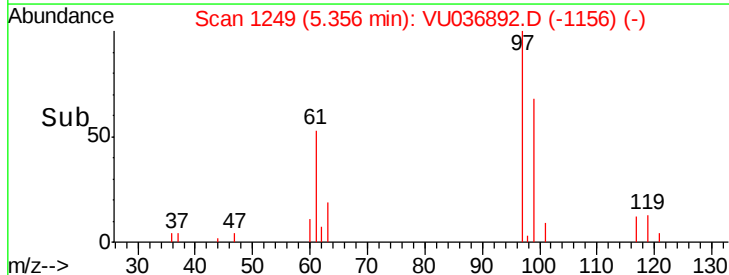
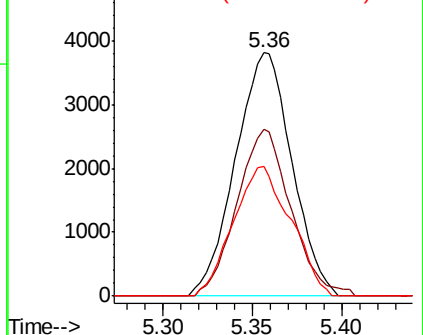
97 100

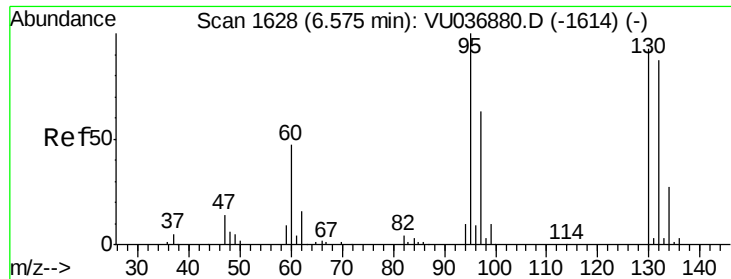
99 65.2 50.4 75.6

61 54.2 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: 139.027 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 277602

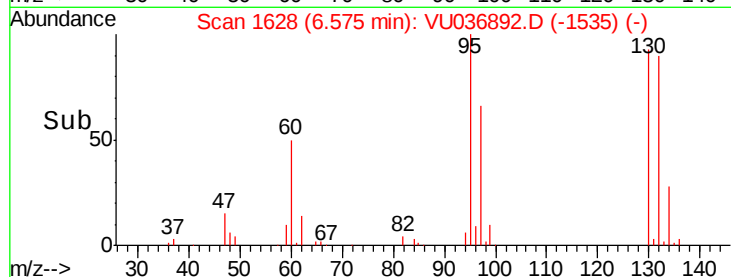
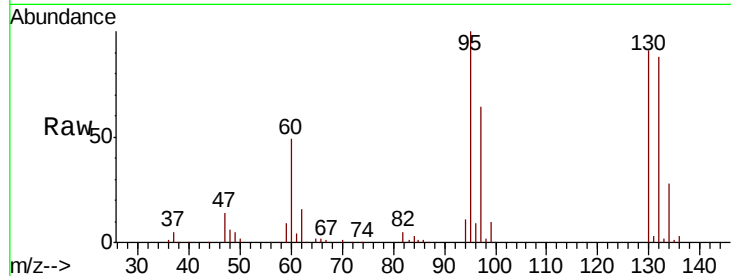
Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 88.1 60.6 112.6

130 91.0 64.9 120.5

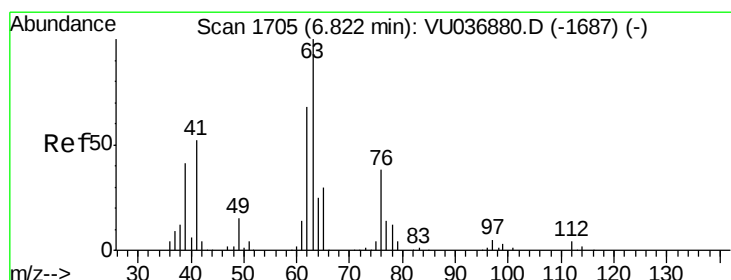
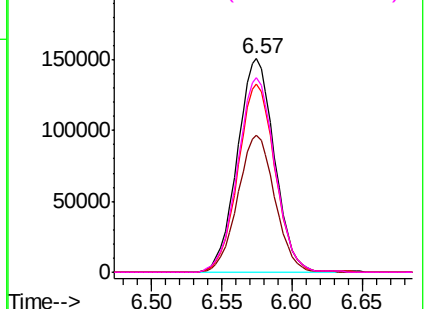


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.183 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU036892.D

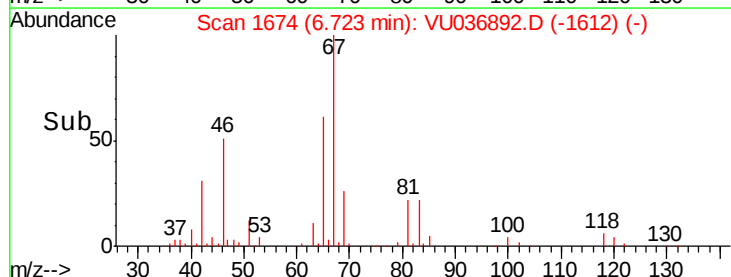
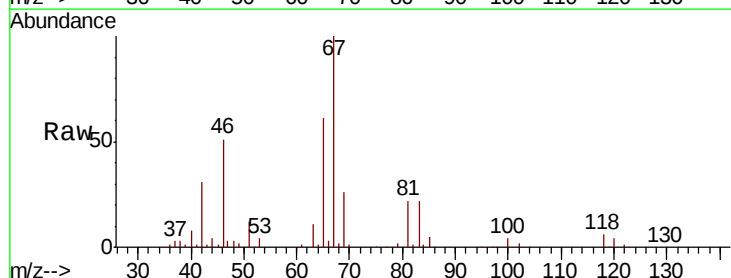
Acq: 24 Feb 2020 18:45

Tgt Ion: 63 Resp: 13524

Ion Ratio Lower Upper

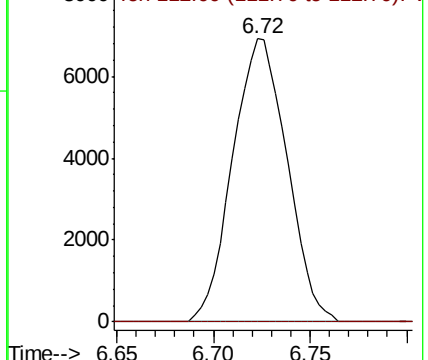
63 100

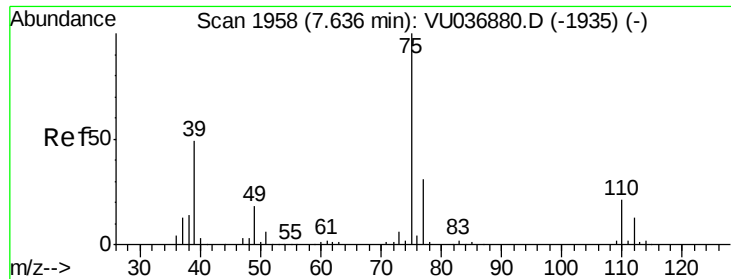
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

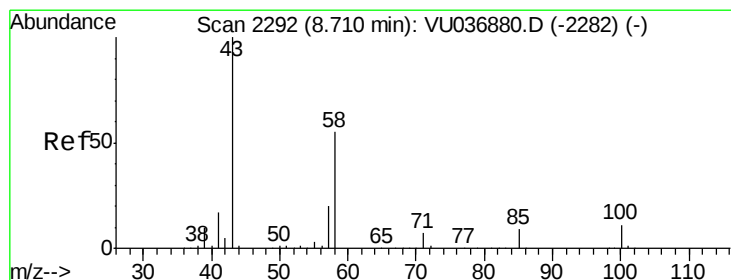
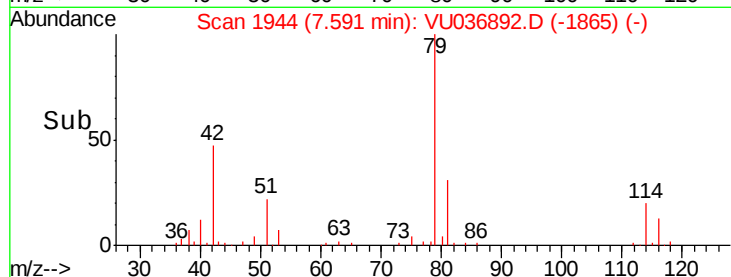
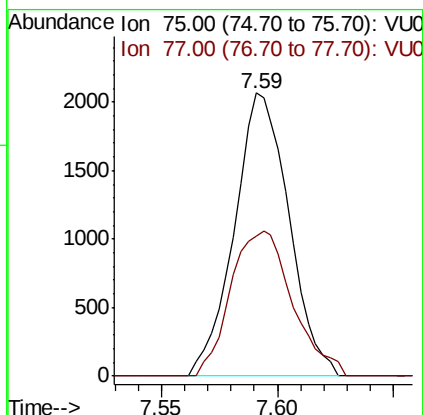
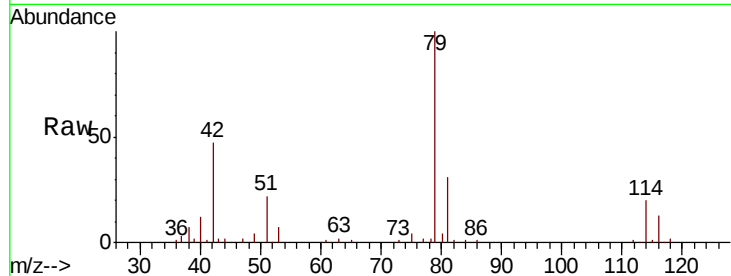




#39
 cis-1,3-Dichloropropene
 Concen: 1.001 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU036892.D
 Acq: 24 Feb 2020 18:45

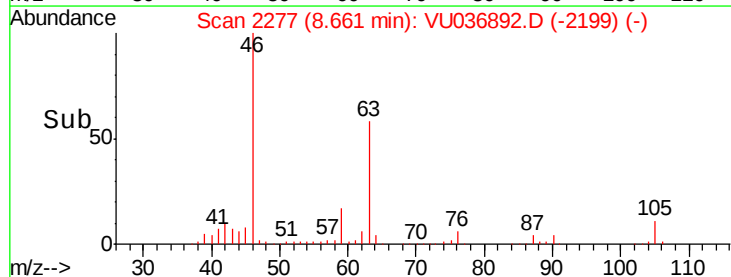
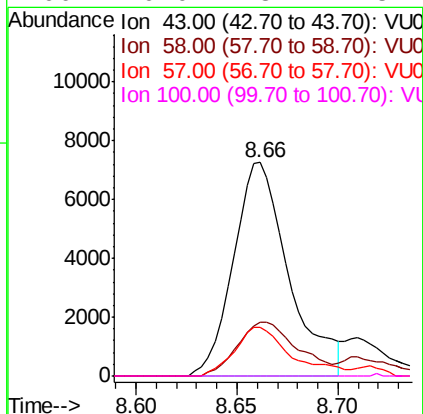
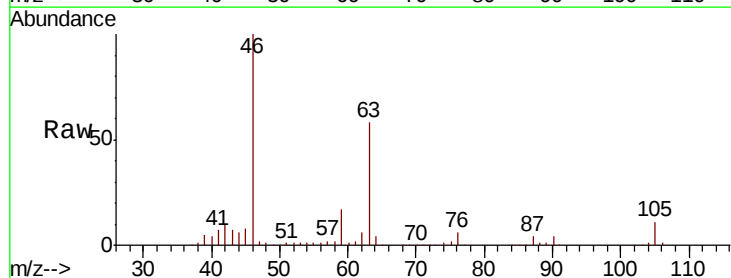
Instrument :
 MSVOA_U
 ClientSampleId :

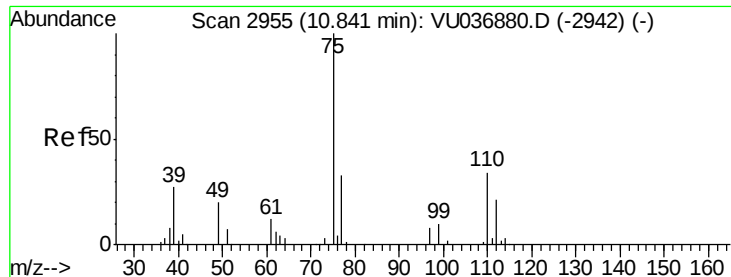
Tot Ion: 75 Resp: 3372
 Ion Ratio Lower Upper
 75 100
 77 49.3 22.0 41.0#



#48
 2-Hexanone
 Concen: 5.425 ug/L
 RT: 8.66 min Scan# 2277
 Delta R.T. -0.05 min
 Lab File: VU036892.D
 Acq: 24 Feb 2020 18:45

Tgt Ion: 43 Resp: 13953
 Ion Ratio Lower Upper
 43 100
 58 27.4 43.5 65.3#
 57 23.4 15.1 22.7#
 100 0.0 8.7 13.1#





#59

1,2,3-Trichloropropane

Concen: 5.117 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU036892.D

Acq: 24 Feb 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14399

Ion Ratio Lower Upper

75 100

77 35.3 26.2 39.2

