

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038683.D
 Acq On : 08 Jun 2020 21:48
 Operator : SY/MD
 Sample : L2896-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETW44

Quant Time: Jun 09 06:14:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 06:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	560351	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	543151	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	247697	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	193708	61.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.74%
7) Chloroethane-d5	1.93	69	149625	61.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.22%
11) 1,1-Dichloroethene-d2	2.59	63	293221	42.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.94%
21) 2-Butanone-d5	4.66	46	350249	115.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.00%
24) Chloroform-d	5.10	84	364736	54.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.08%
26) 1,2-Dichloroethane-d4	5.74	65	247833	55.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.80%
32) Benzene-d6	5.76	84	771082	58.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.86%
36) 1,2-Dichloropropane-d6	6.72	67	230851	57.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.50%
41) Toluene-d8	7.92	98	666839	56.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.80%
43) trans-1,3-Dichloropropene-	8.20	79	111630	54.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.98%
47) 2-Hexanone-d5	8.65	63	261123	121.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	325866	54.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.36%
64) 1,2-Dichlorobenzene-d4	12.20	152	260926	60.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.34%#

Target Compounds

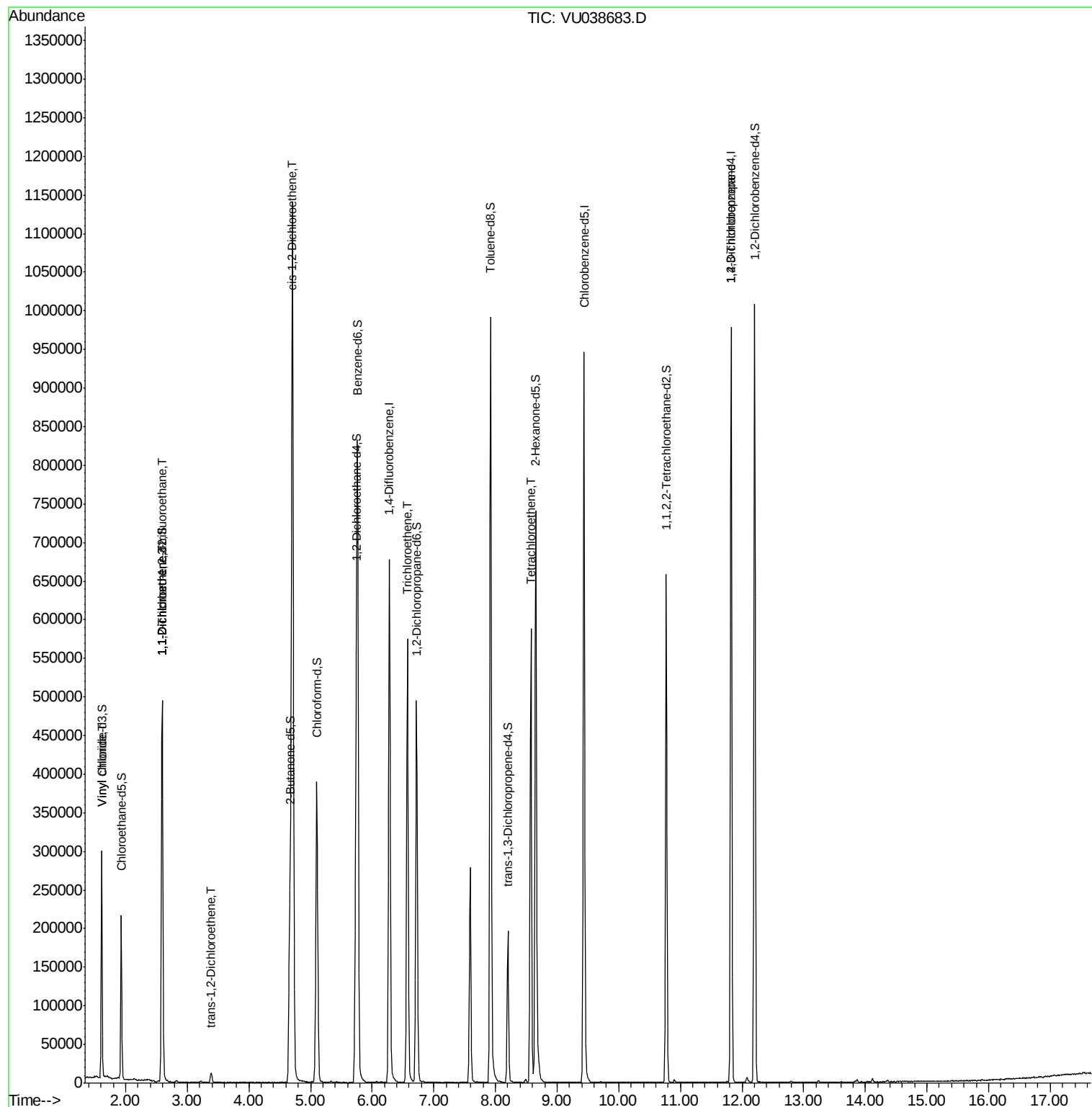
					Ovalue
5) Vinyl chloride	1.62	62	8383	1.870 ug/L #	15
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2837	0.788 ug/L #	21
12) 1,1-Dichloroethene	2.59	96	2931	0.826 ug/L #	1
17) trans-1,2-Dichloroethene	3.38	96	5093	1.312 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	577490	134.600 ug/L	98
34) Trichloroethene	6.57	95	193239	47.107 ug/L	100
46) Tetrachloroethene	8.57	164	132100	44.636 ug/L	98
59) 1,2,3-Trichloropropane	11.82	75	32434	5.504 ug/L	91

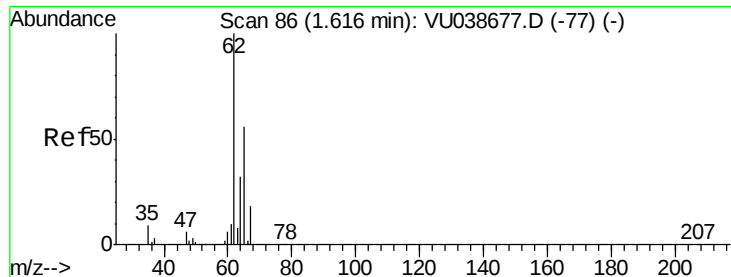
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.870 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038683.D

Acq: 08 Jun 2020 21:48

Instrument :

MSVOA_U

ClientSampleId :

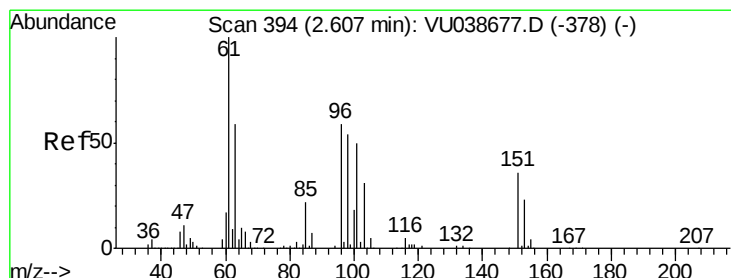
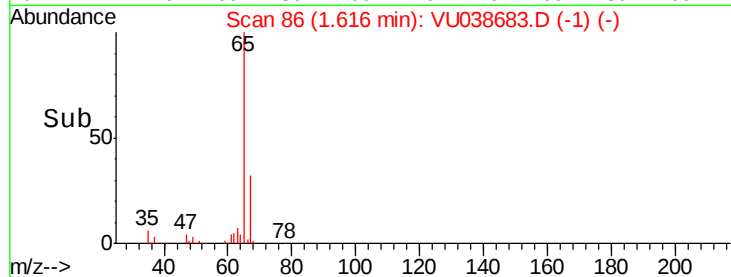
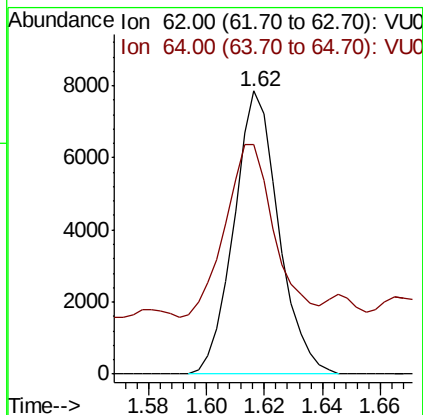
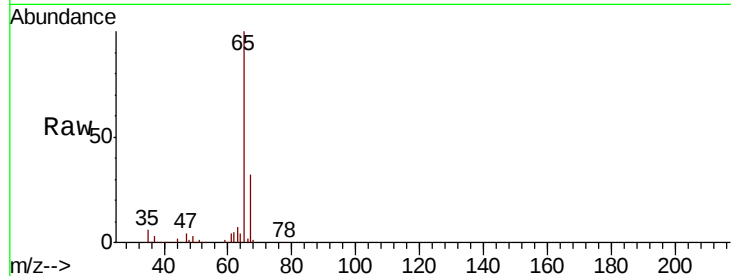
ETW44

Tot Ion: 62 Resp: 8383

Ion Ratio Lower Upper

62 100

64 80.9 23.0 42.8#



#10

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

Concen: 0.788 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038683.D

Acq: 08 Jun 2020 21:48

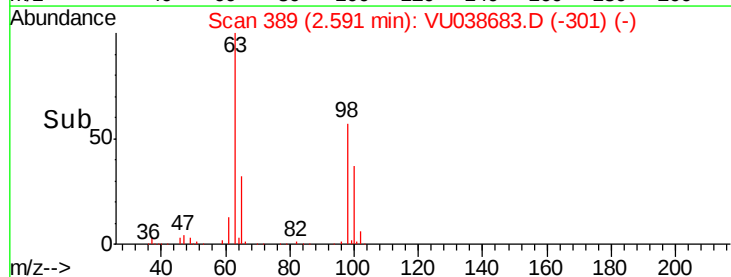
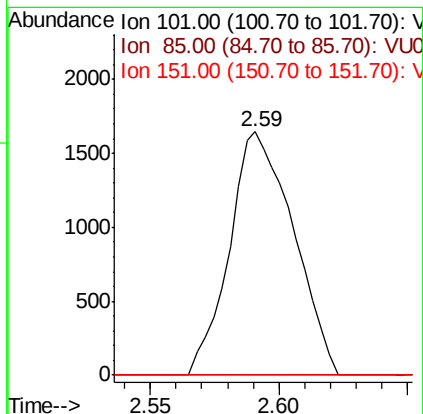
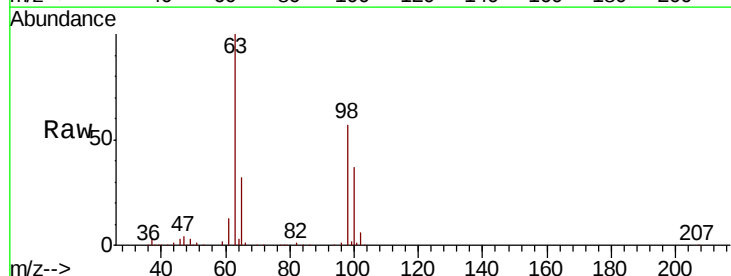
Tgt Ion: 101 Resp: 2837

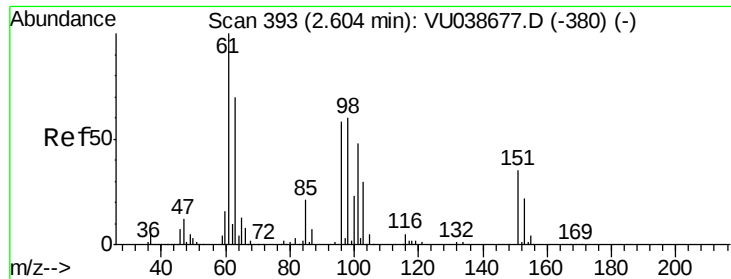
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 57.4 86.0#





#12

1,1-Dichloroethene

Concen: 0.826 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038683.D

Acq: 08 Jun 2020 21:48

Instrument :

MSVOA_U

ClientSampleId :

ETW44

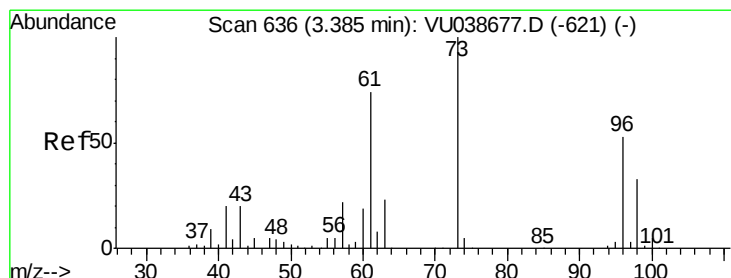
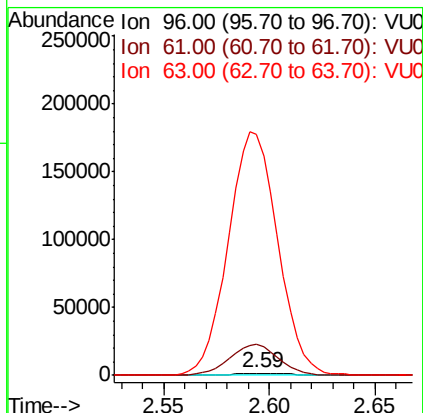
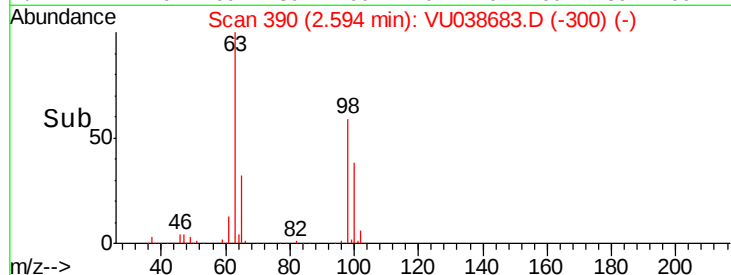
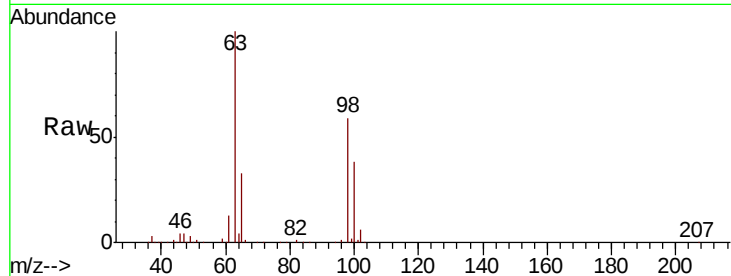
Tot Ion: 96 Resp: 2931

Ion Ratio Lower Upper

96 100

61 1639.7 120.0 223.0#

63 12582.4 75.8 140.8#



#17

trans-1,2-Dichloroethene

Concen: 1.312 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038683.D

Acq: 08 Jun 2020 21:48

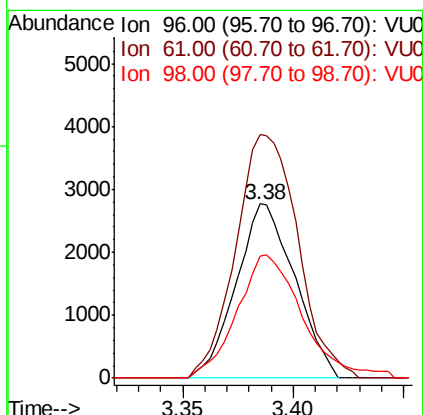
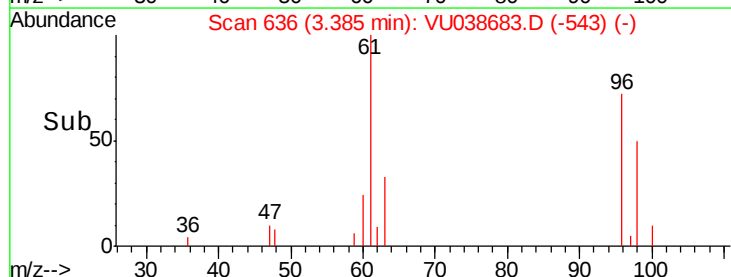
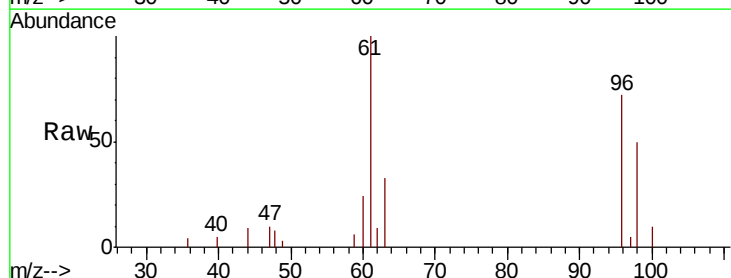
Tgt Ion: 96 Resp: 5093

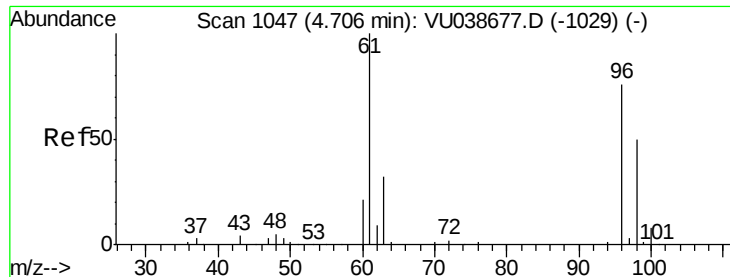
Ion Ratio Lower Upper

96 100

61 139.8 98.2 182.4

98 70.1 44.3 82.3

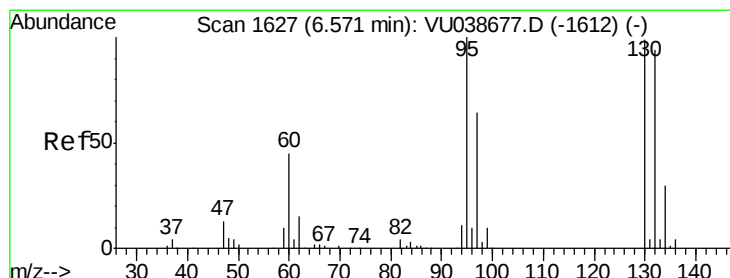
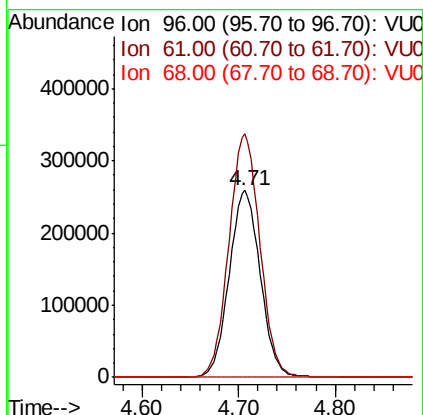
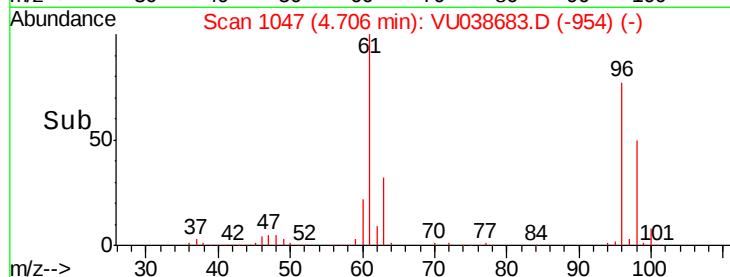
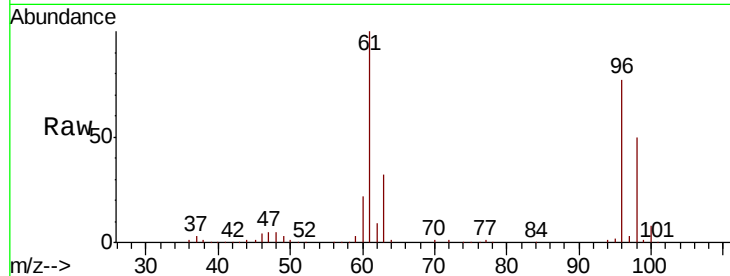




#20
 cis-1,2-Dichloroethene
 Concen: 134.600 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038683.D
 Acq: 08 Jun 2020 21:48

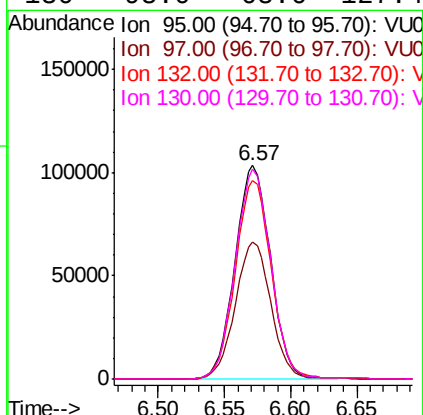
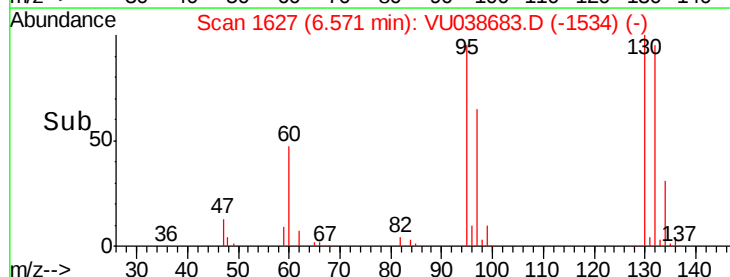
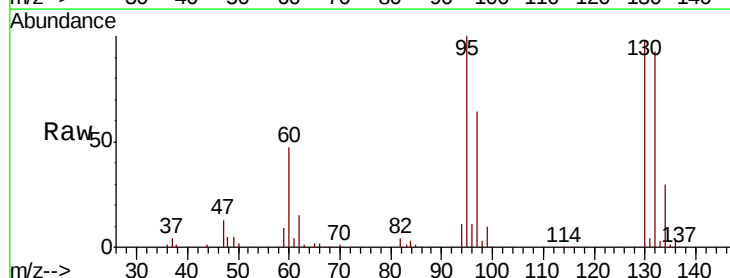
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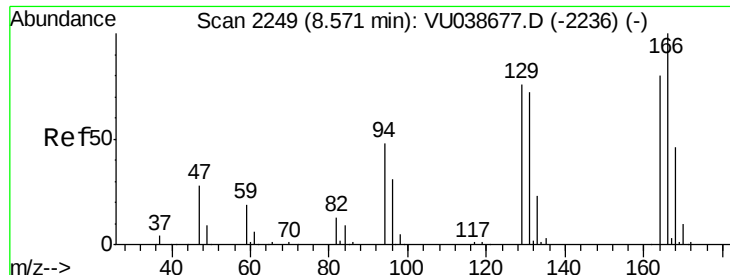
Tot Ion: 96 Resp: 577490
 Ion Ratio Lower Upper
 96 100
 61 130.3 89.5 166.1
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 47.107 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038683.D
 Acq: 08 Jun 2020 21:48

Tgt Ion: 95 Resp: 193239
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.4 82.4
 132 93.1 64.9 120.5
 130 98.0 68.6 127.4





#46

Tetrachloroethene

Concen: 44.636 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038683.D

Acq: 08 Jun 2020 21:48

Instrument :

MSVOA_U

ClientSampled :

ETW44

Tot Ion:164 Resp: 132100

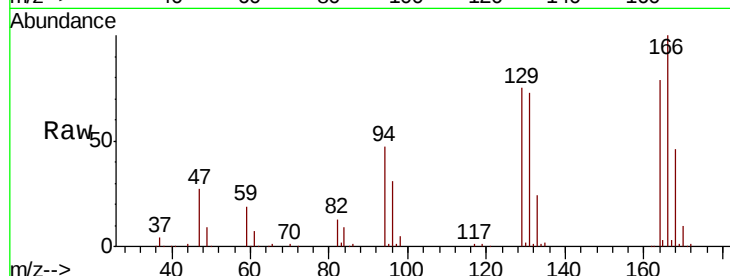
Ion Ratio Lower Upper

164 100

129 93.9 67.2 124.8

131 91.7 65.5 121.6

166 125.9 90.4 168.0

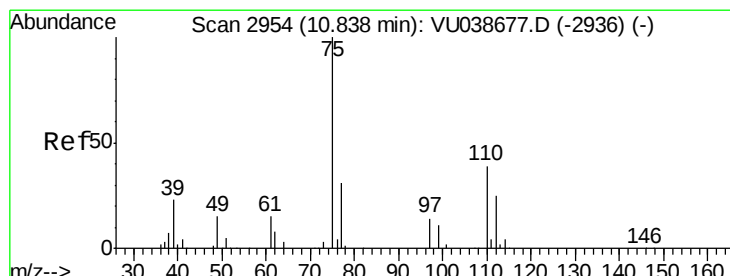
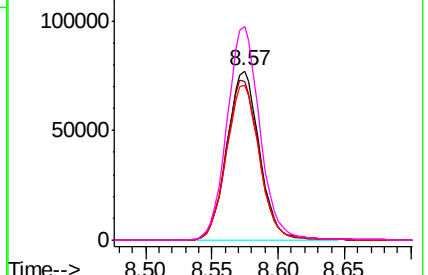
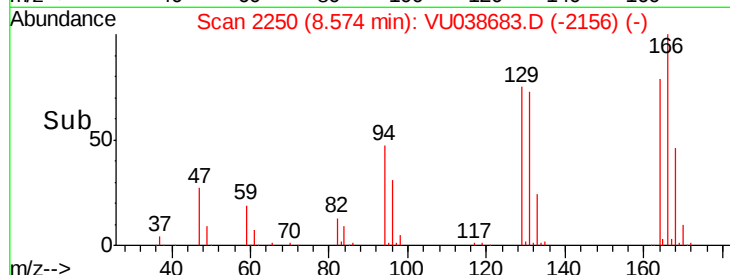


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.504 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038683.D

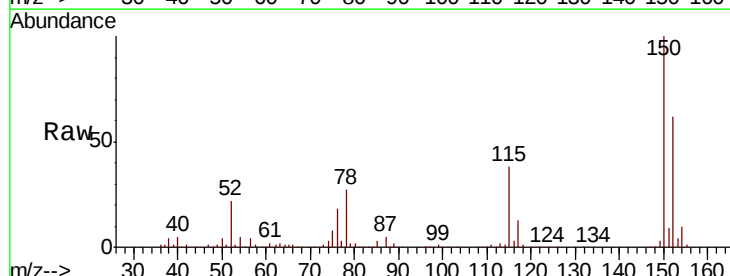
Acq: 08 Jun 2020 21:48

Tgt Ion: 75 Resp: 32434

Ion Ratio Lower Upper

75 100

77 36.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

