

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039323.D
 Acq On : 07 Jul 2020 18:47
 Operator : SY/MD
 Sample : L3193-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4285

Quant Time: Jul 08 02:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	106524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47505	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38187	6.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.93	69	36599	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.58	63	58301	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.66	46	181880	64.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.76%
24) Chloroform-d	5.09	84	78006	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.60%
26) 1,2-Dichloroethane-d4	5.72	65	50940	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.40%
32) Benzene-d6	5.75	84	159109	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.60%#
36) 1,2-Dichloropropane-d6	6.71	67	54683	6.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.80%
41) Toluene-d8	7.91	98	141331	6.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.80%#
43) trans-1,3-Dichloropropene-	8.19	79	22877	6.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.00%
46) 2-Hexanone-d5	8.64	63	138299	61.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.36%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49310	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	54130	6.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.60%#

Target Compounds

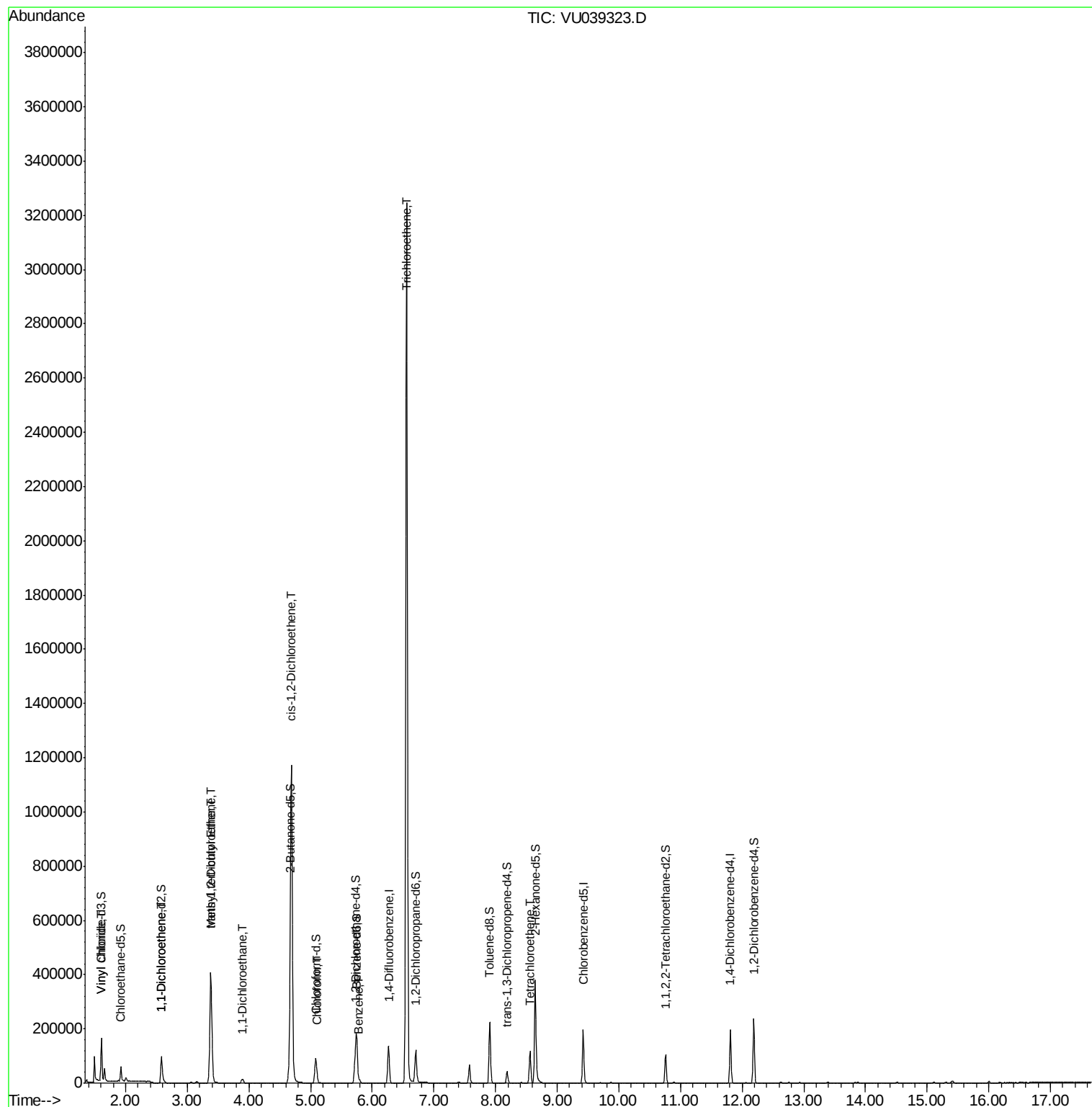
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	46268	5.327	ug/L	90
12) 1,1-Dichloroethene	2.59	96	2877	0.454	ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	419808	21.030	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	20413	2.911	ug/L	97
19) 1,1-Dichloroethane	3.89	63	17587	1.282	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	553900	70.433	ug/L	95
25) Chloroform	5.11	83	2589	0.187	ug/L	95
33) Benzene	5.79	78	10661	0.349	ug/L	100
34) Trichloroethene	6.56	95	1029845	130.581	ug/L	98
47) Tetrachloroethene	8.56	164	23325	4.252	ug/L	98

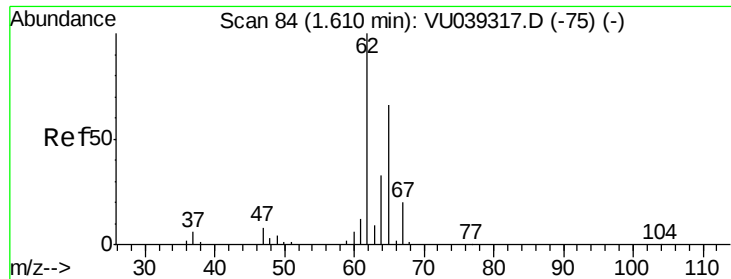
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.327 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

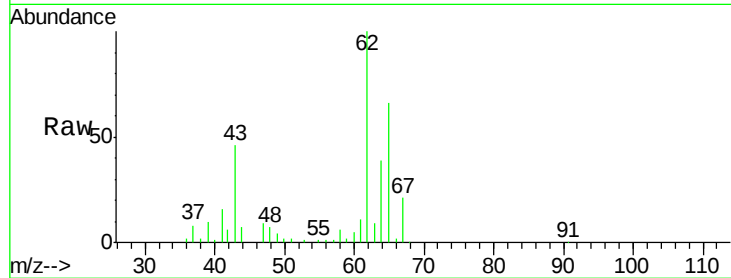
H4285

Tot Ion: 62 Resp: 46268

Ion Ratio Lower Upper

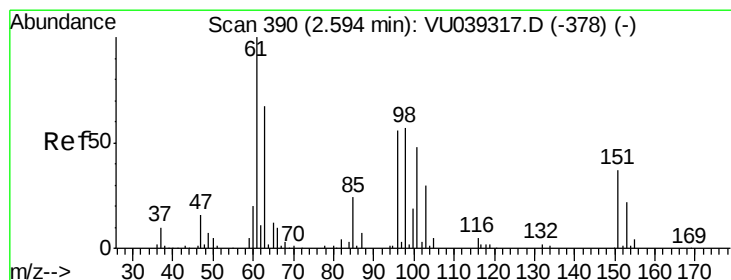
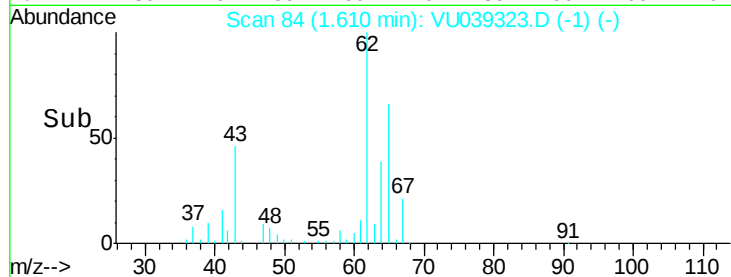
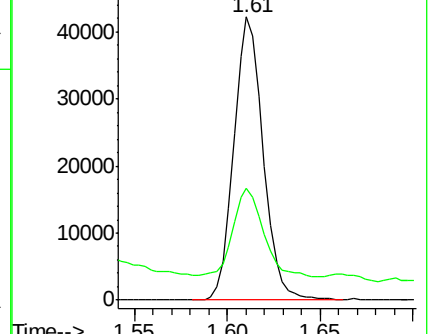
62 100

64 39.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.454 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

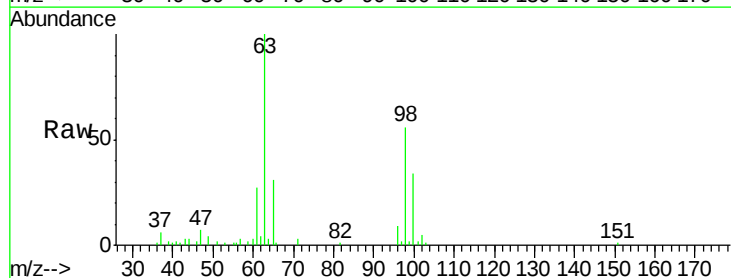
Tgt Ion: 96 Resp: 2877

Ion Ratio Lower Upper

96 100

61 305.3 125.4 232.8#

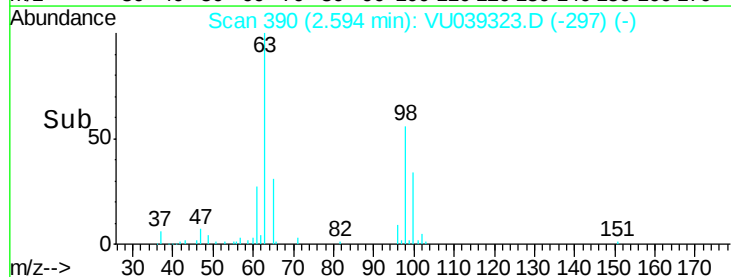
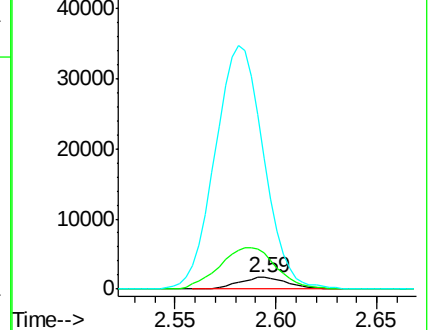
63 1122.2 92.7 172.3#

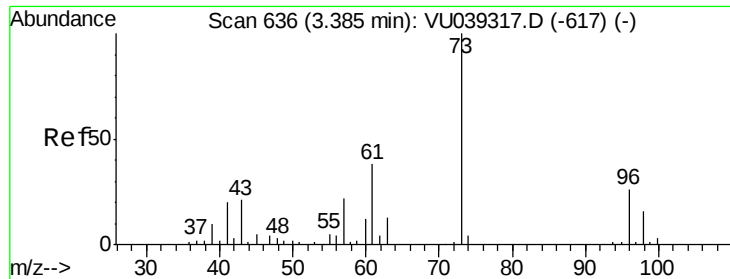


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

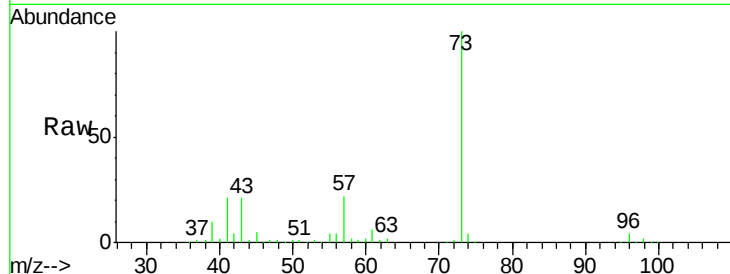




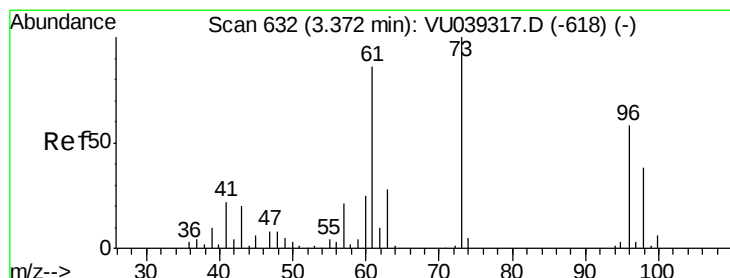
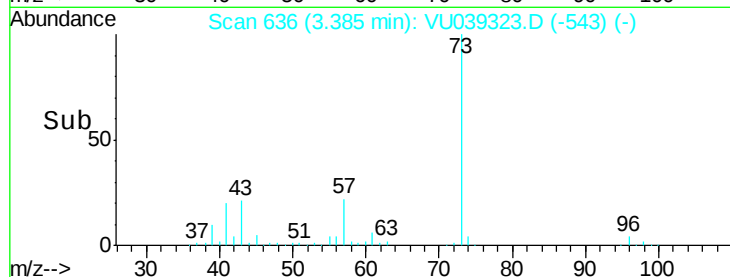
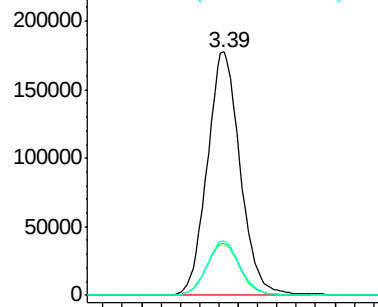
#17
Methvl tert-butvl Ether
Concen: 21.030 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

Instrument :
MSVOA_U
ClientSampleId :
H4285

Tot Ion: 73 Resp: 419808
Ion Ratio Lower Upper
73 100
43 21.9 18.6 28.0
57 22.7 17.9 26.9

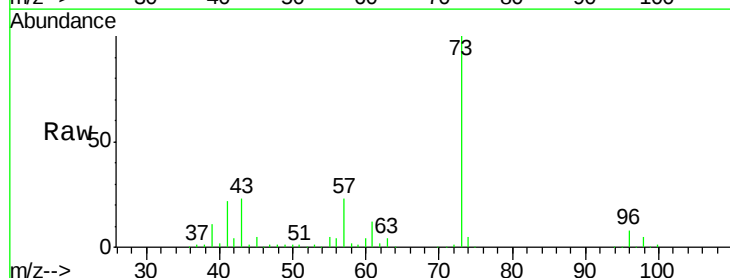


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

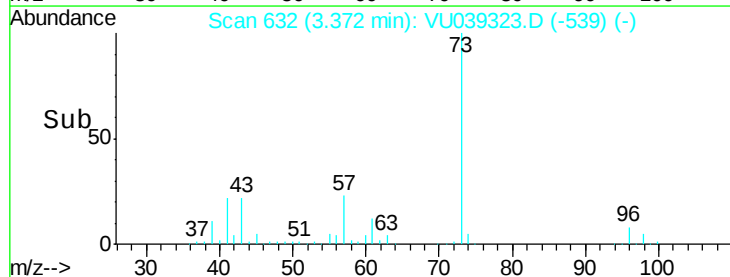
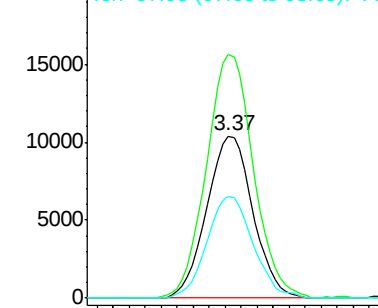


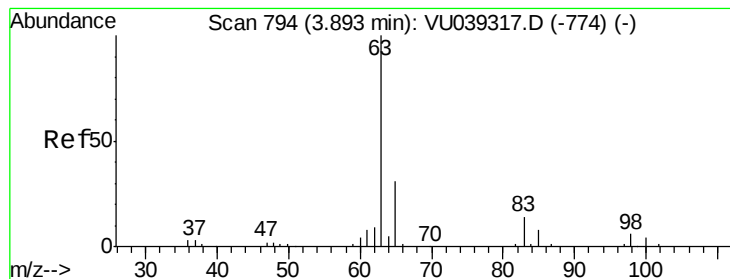
#18
trans-1,2-Dichloroethene
Concen: 2.911 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

Tgt Ion: 96 Resp: 20413
Ion Ratio Lower Upper
96 100
61 150.5 102.1 189.5
98 62.6 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 1.282 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

H4285

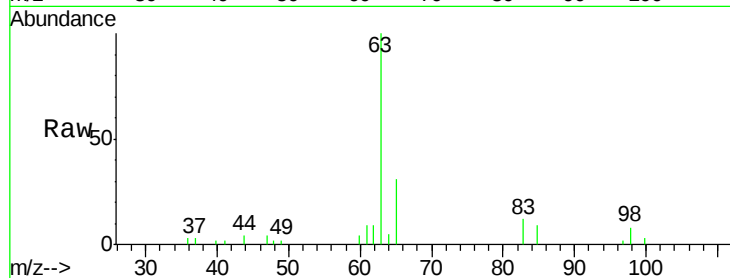
Tot Ion: 63 Resp: 17587

Ion Ratio Lower Upper

63 100

65 31.2 23.0 42.6

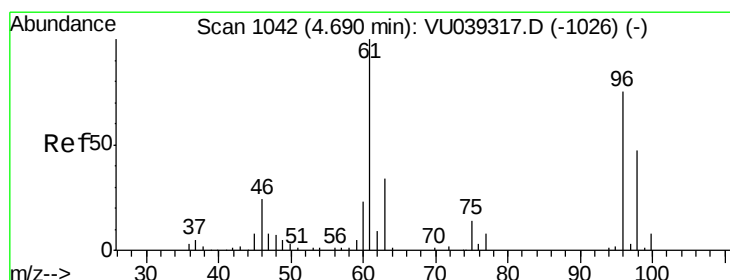
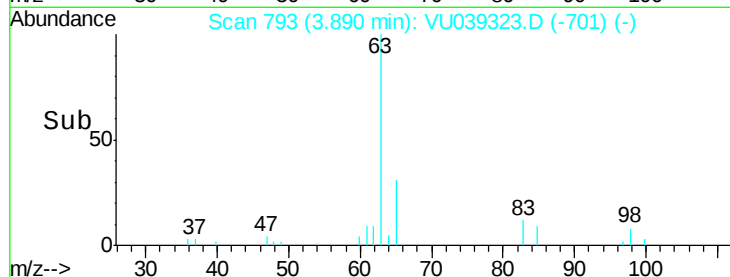
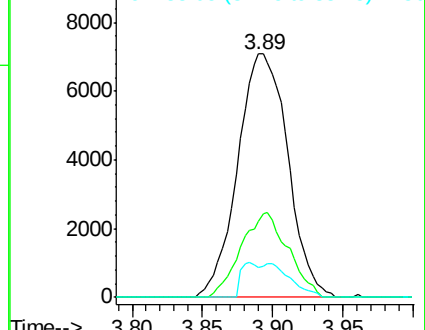
83 12.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039323.D (-701) (-)

Ion 65.10 (64.80 to 65.80): VU039323.D (-701) (-)

Ion 83.05 (82.75 to 83.75): VU039323.D (-701) (-)



#22

cis-1,2-Dichloroethene

Concen: 70.433 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

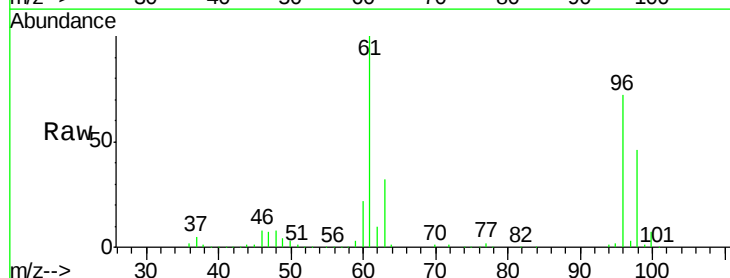
Tgt Ion: 96 Resp: 553900

Ion Ratio Lower Upper

96 100

61 138.7 92.8 172.4

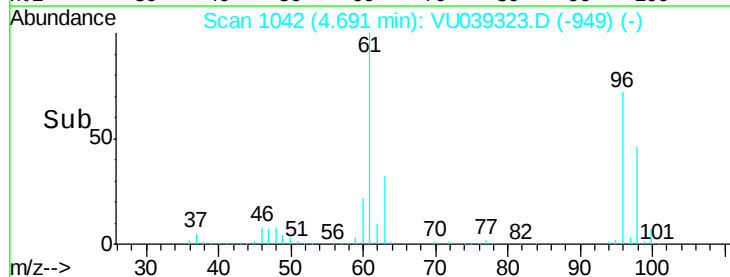
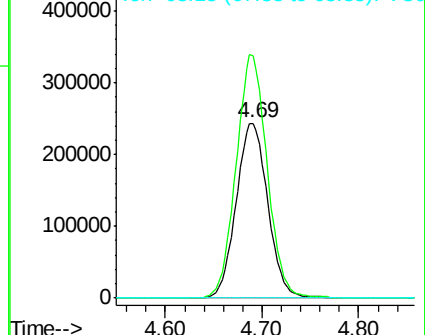
68 0.0 0.0 0.0

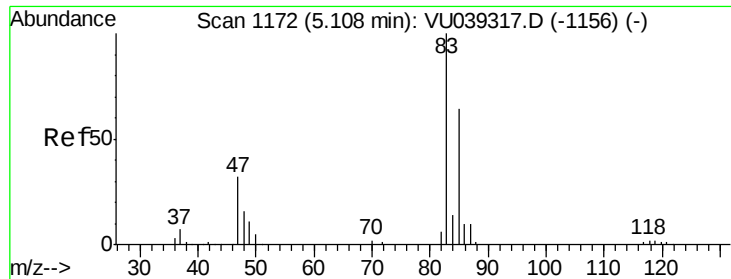


Abundance Ion 96.00 (95.70 to 96.70): VU039323.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039323.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039323.D (-949) (-)

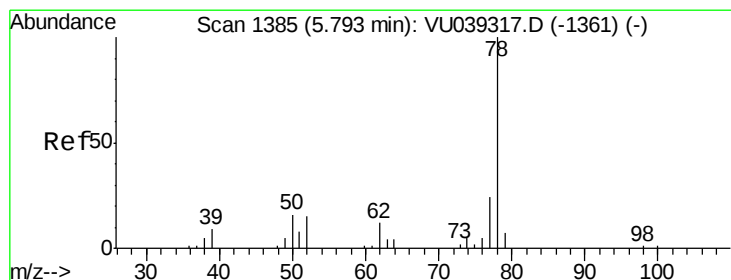
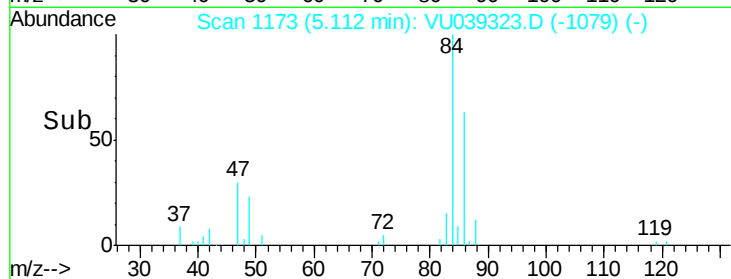
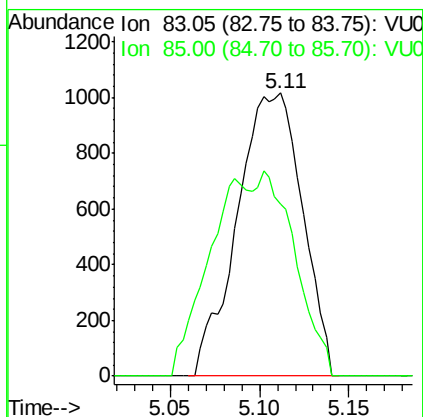
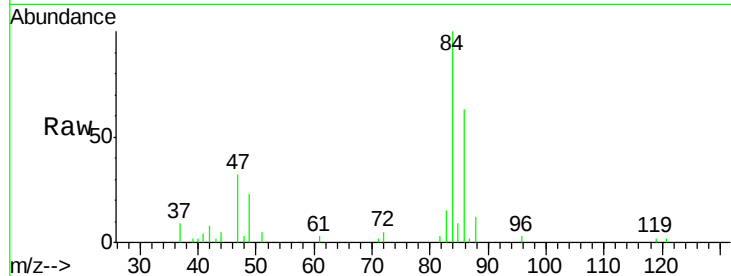




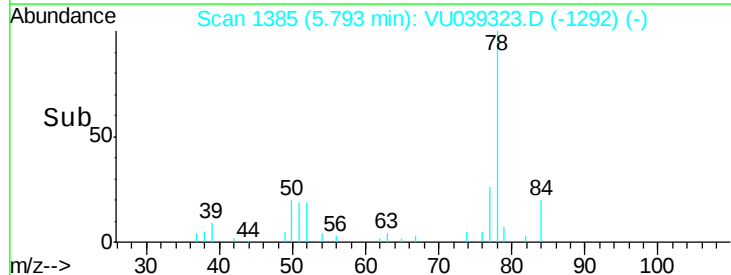
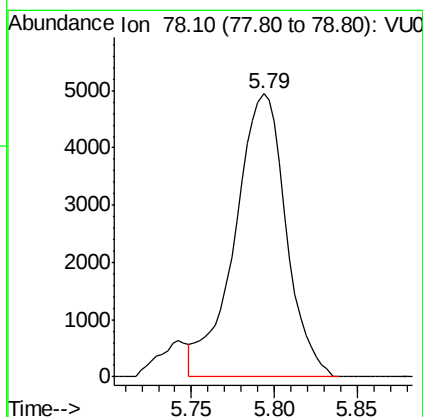
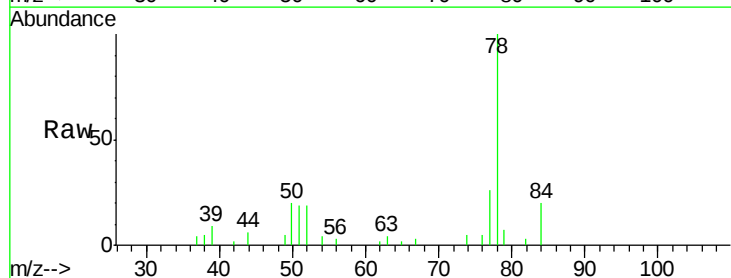
#25
Chloroform
Concen: 0.187 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

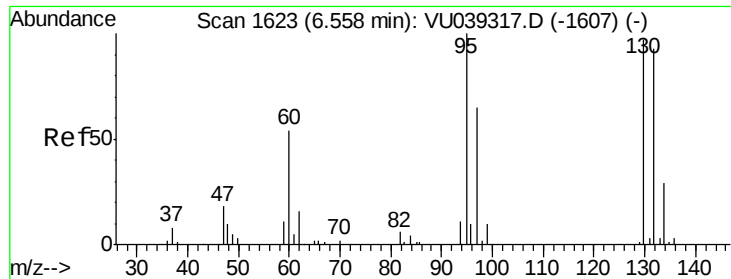
Instrument :
MSVOA_U
ClientSampleId :
H4285

Tot Ion: 83 Resp: 2589
Ion Ratio Lower Upper
83 100
85 60.6 44.9 83.5



#33
Benzene
Concen: 0.349 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47
Tgt Ion: 78 Resp: 10661





#34

Trichloroethene

Concen: 130.581 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

H4285

Tot Ion: 95 Resp: 1029845

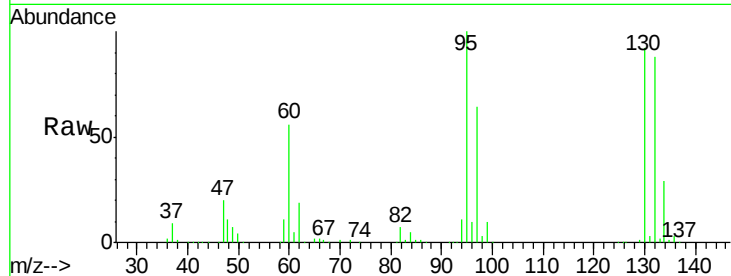
Ion Ratio Lower Upper

95 100

97 64.0 46.3 85.9

132 88.4 64.0 118.8

130 92.1 64.3 119.5

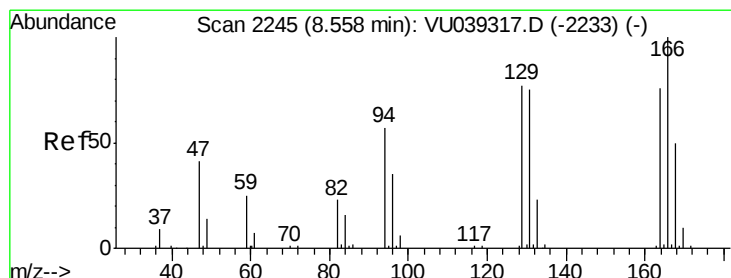
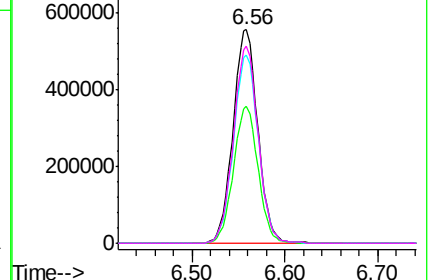
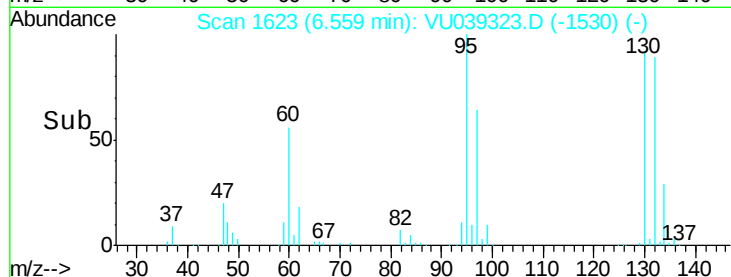


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 4.252 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Tgt Ion: 164 Resp: 23325

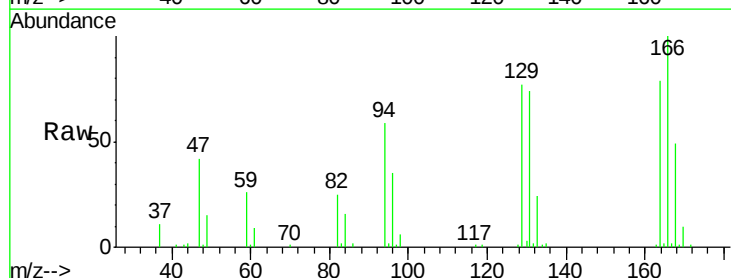
Ion Ratio Lower Upper

164 100

129 97.8 68.6 127.4

131 94.3 66.4 123.4

166 126.9 85.9 159.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

