

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039078.D
 Acq On : 24 Jun 2020 22:23
 Operator : SY/MD
 Sample : L3109-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F58

Quant Time: Jun 25 02:36:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 02:33:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	251773	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	108508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101896	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.93	69	89971	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.59	63	149914	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	4.67	46	417186	62.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.40%
24) Chloroform-d	5.10	84	205603	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.74	65	127640	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.76	84	393040	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.72	67	133161	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.92	98	310016	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.20	79	53636	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.66	63	335334	64.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120851	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	120972	5.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.60%

Target Compounds

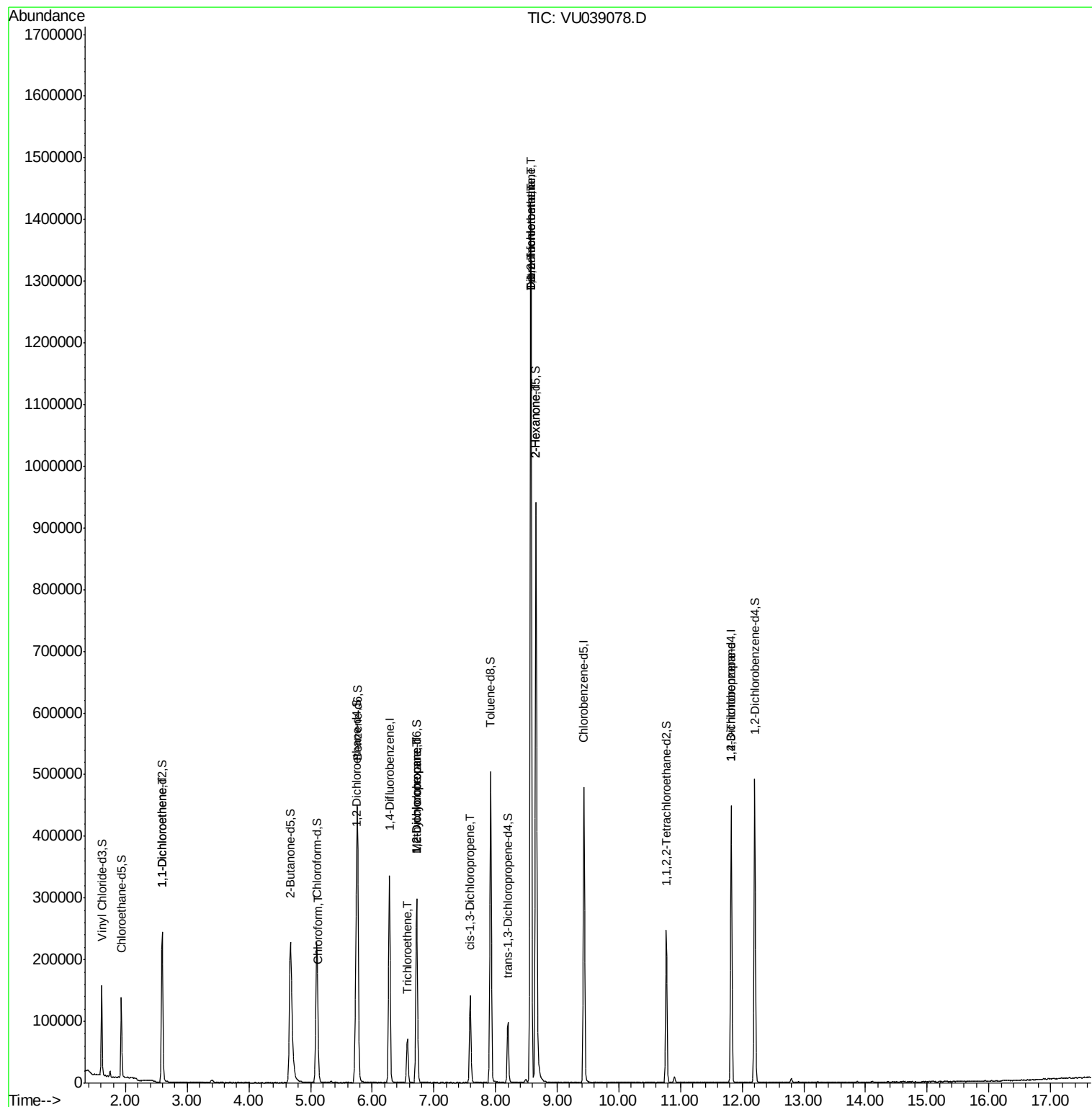
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1156	0.066	ug/L #	1
25) Chloroform	5.13	83	10671	0.286	ug/L	96
34) Trichloroethene	6.57	95	23502	1.238	ug/L	95
35) Methylcyclohexane	6.72	83	32013	1.136	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14630	0.688	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3672	0.125	ug/L #	71
45) 1,1,2-Trichloroethane	8.57	97	2630	0.166	ug/L #	1
47) Tetrachloroethene	8.57	164	295512	21.591	ug/L	95
48) 2-Hexanone	8.66	43	40273	3.460	ug/L #	69
49) Dibromochloromethane	8.57	129	290407	16.894	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15251	0.951	ug/L	90

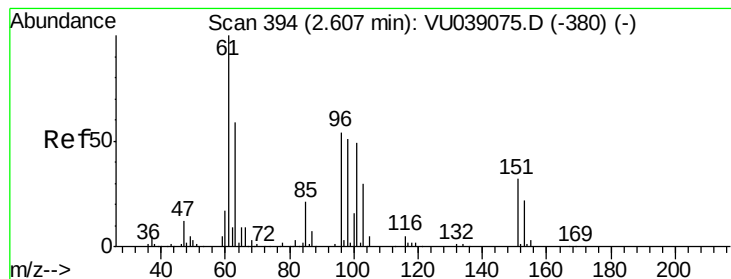
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU039078.D

Acq: 24 Jun 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

F9F58

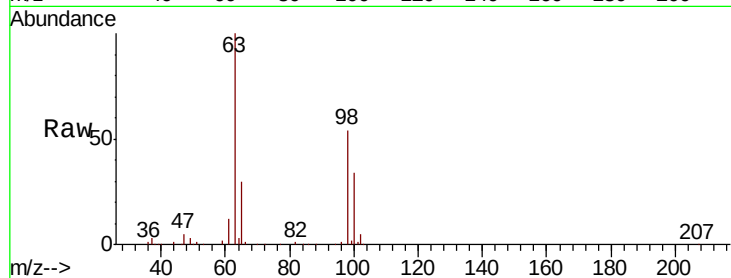
Tot Ion: 96 Resp: 1156

Ion Ratio Lower Upper

96 100

61 1408.3 125.1 232.3#

63 11336.8 82.3 152.8#

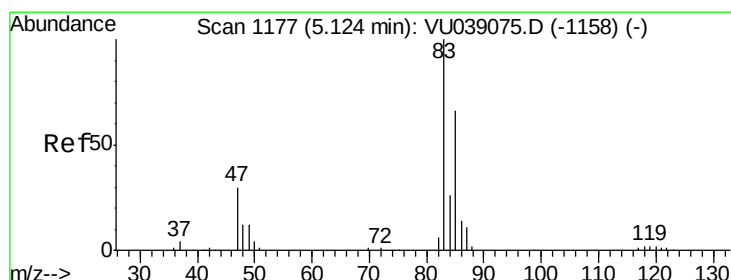
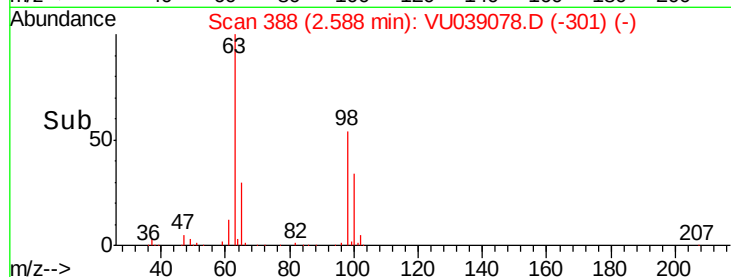
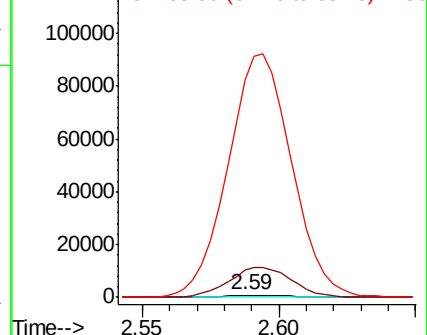


Abundance

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



#25

Chloroform

Concen: 0.286 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU039078.D

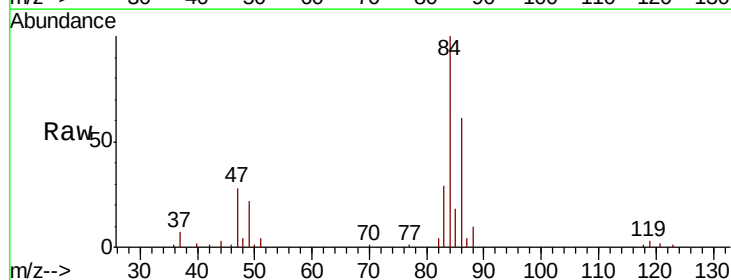
Acq: 24 Jun 2020 22:23

Tgt Ion: 83 Resp: 10671

Ion Ratio Lower Upper

83 100

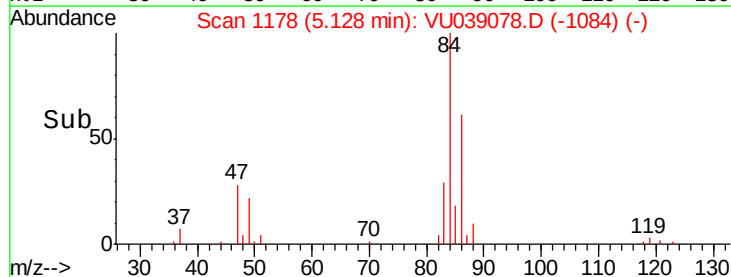
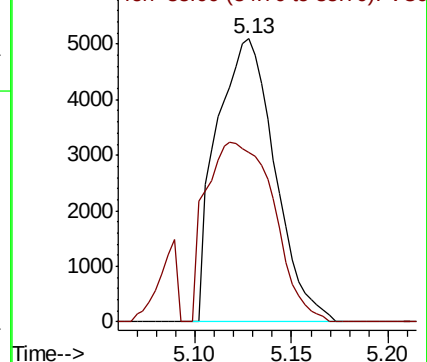
85 59.7 43.8 81.4

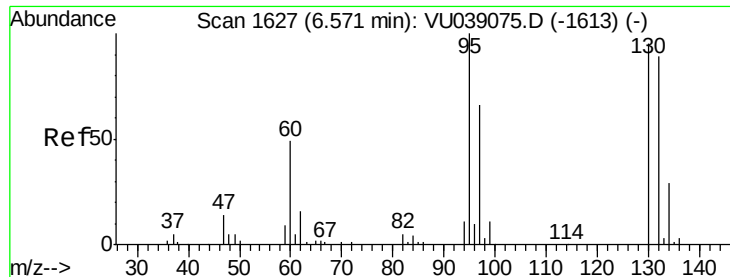


Abundance

Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 1.238 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039078.D

Acq: 24 Jun 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

F9F58

Tot Ion: 95 Resp: 23502

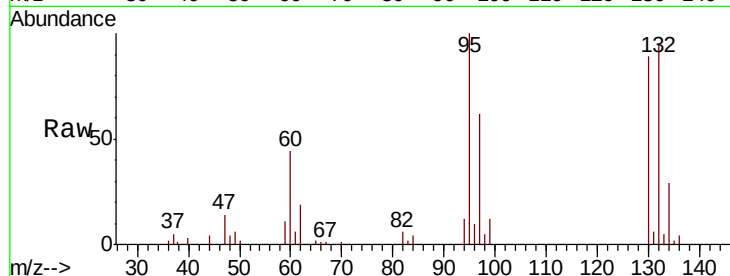
Ion Ratio Lower Upper

95 100

97 61.8 45.1 83.7

132 95.1 65.1 120.9

130 88.9 68.6 127.4

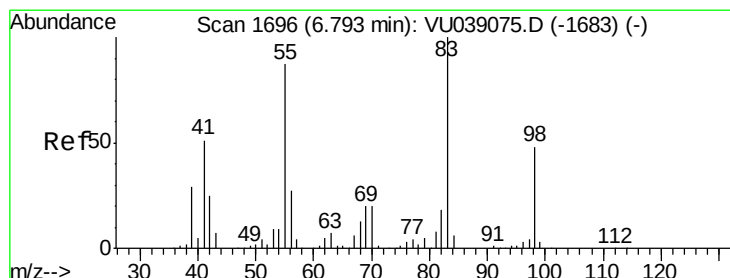
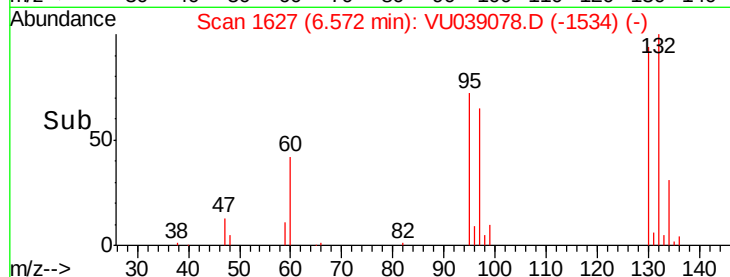
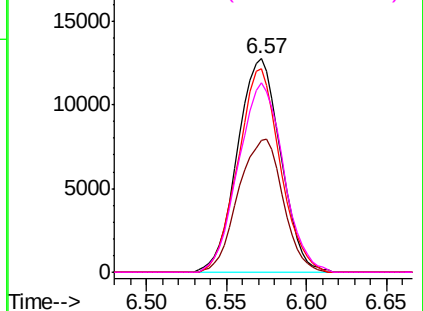


Abundance Ion 95.00 (94.70 to 95.70): VU039078.D (-1613) (-)

Ion 96.95 (96.65 to 97.65): VU039078.D (-1613) (-)

Ion 131.95 (131.65 to 132.65): VU039078.D (-1613) (-)

Ion 129.95 (129.65 to 130.65): VU039078.D (-1613) (-)



#35

Methylcyclohexane

Concen: 1.136 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039078.D

Acq: 24 Jun 2020 22:23

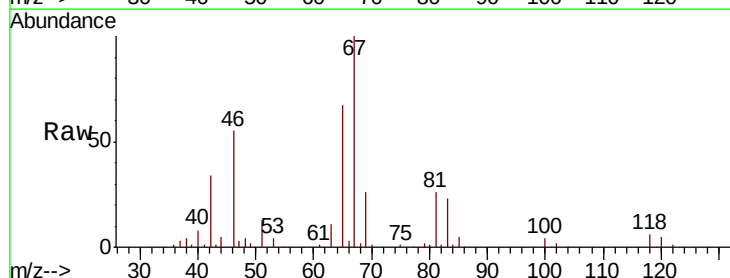
Tgt Ion: 83 Resp: 32013

Ion Ratio Lower Upper

83 100

55 0.4 65.5 98.3#

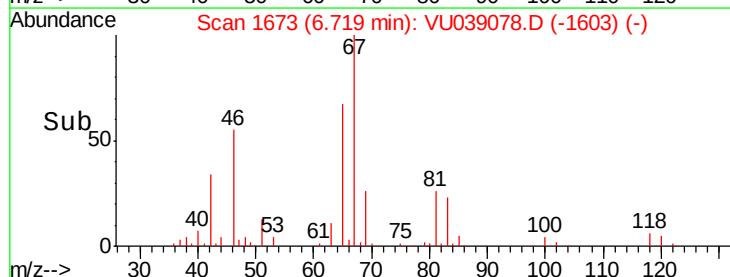
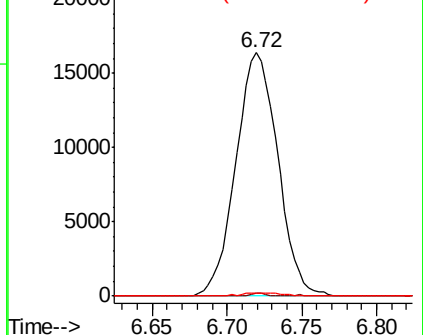
98 1.3 36.5 54.7#

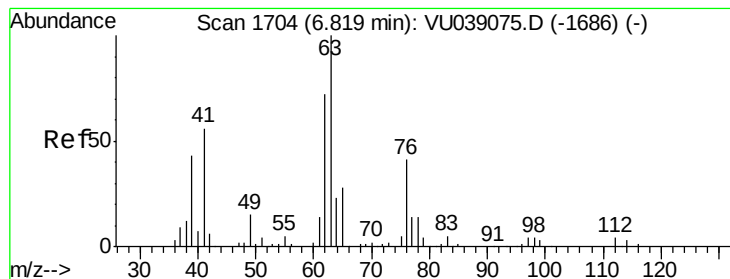


Abundance Ion 83.15 (82.85 to 83.85): VU039078.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU039078.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU039078.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 0.688 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039078.D

Acq: 24 Jun 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

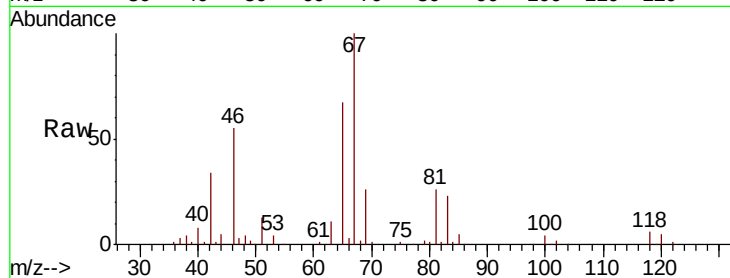
F9F58

Tot Ion: 63 Resp: 14630

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039075.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039075.D (-1686) (-)

6.72

8000

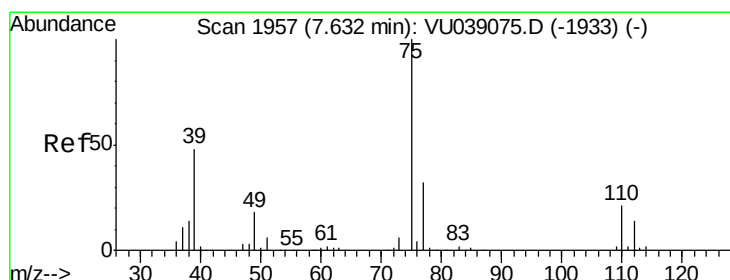
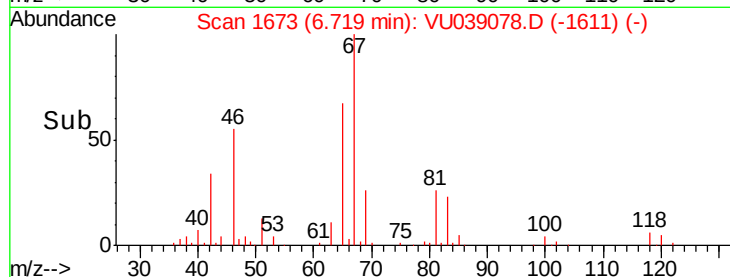
6000

4000

2000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039078.D

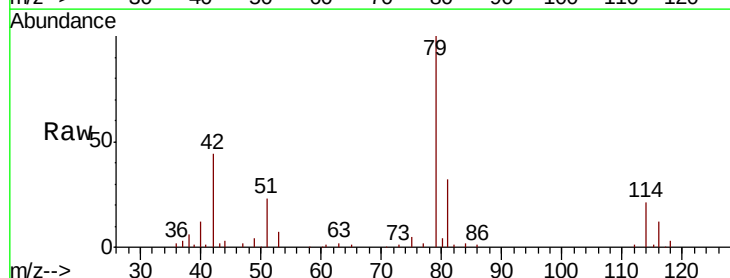
Acq: 24 Jun 2020 22:23

Tgt Ion: 75 Resp: 3672

Ion Ratio Lower Upper

75 100

77 46.7 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039075.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU039075.D (-1933) (-)

7.59

2500

2000

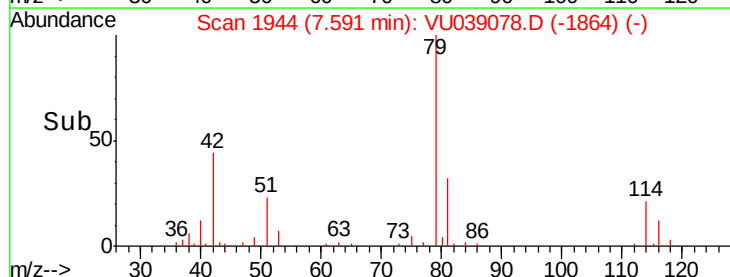
1500

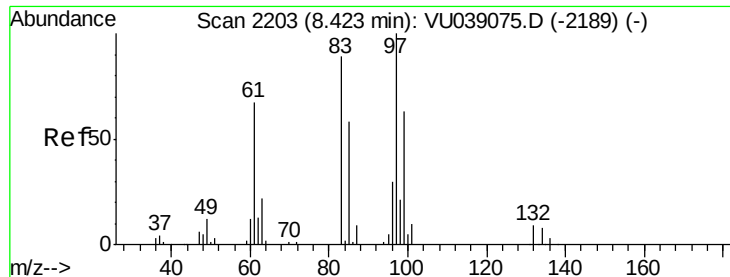
1000

500

0

Time-->

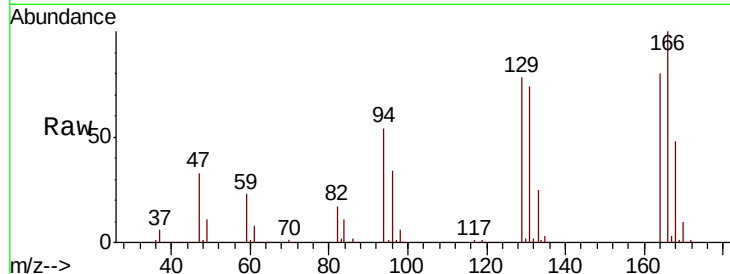




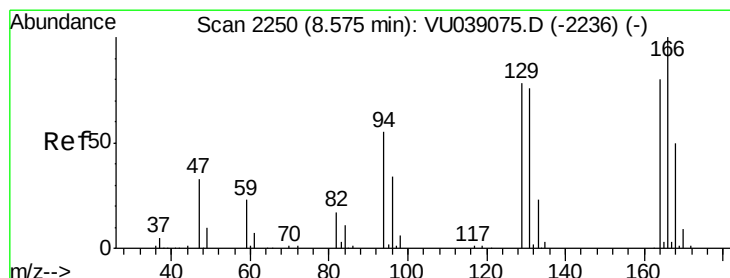
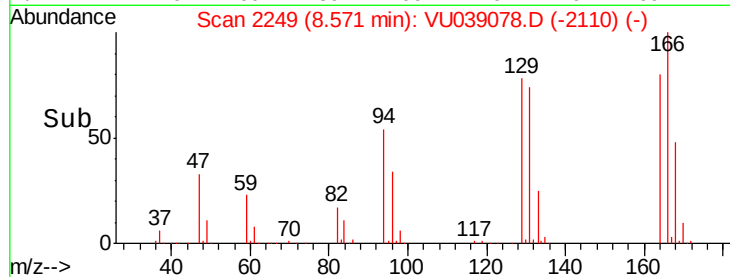
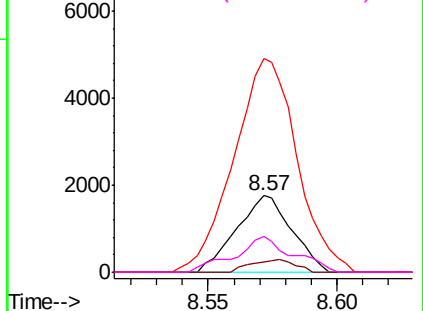
#45
 1,1,2-Trichloroethane
 Concen: 0.166 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.15 min
 Lab File: VU039078.D
 Acq: 24 Jun 2020 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F58

Tot Ion:	97	Resp:	2630
Ion	Ratio	Lower	Upper
97	100		
99	12.7	45.4	84.4#
83	279.3	64.4	119.6#
85	46.2	41.7	77.5

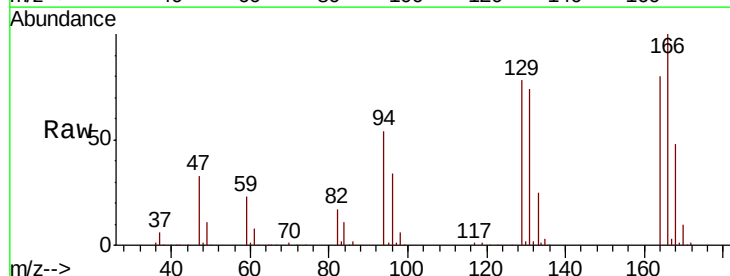


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

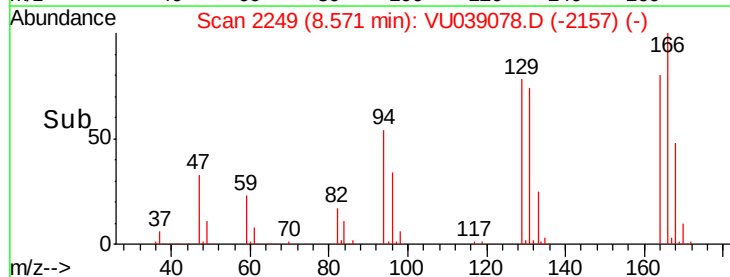
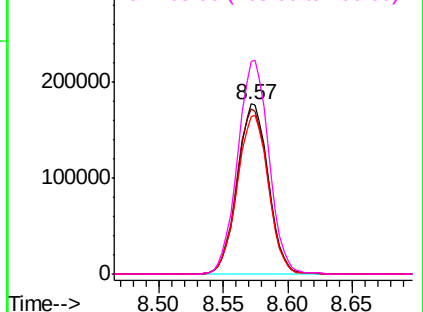


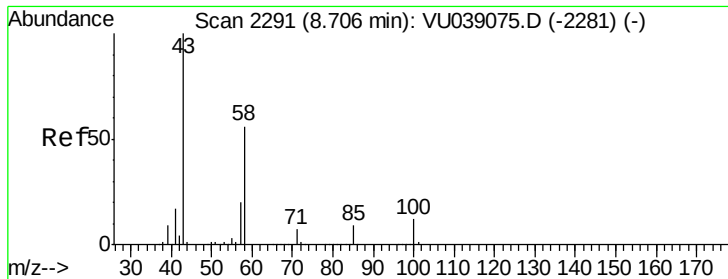
#47
 Tetrachloroethene
 Concen: 21.591 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU039078.D
 Acq: 24 Jun 2020 22:23

Tgt Ion:	164	Resp:	295512
Ion	Ratio	Lower	Upper
164	100		
129	97.3	71.3	132.5
131	92.5	68.3	126.8
166	124.9	90.8	168.6



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

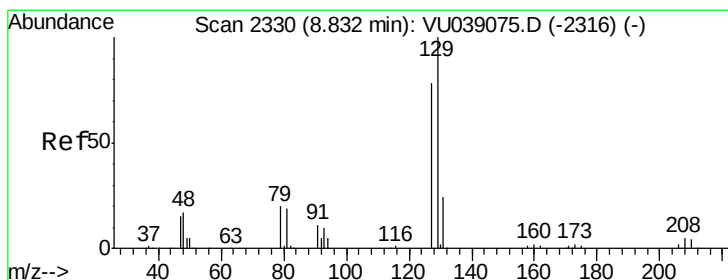
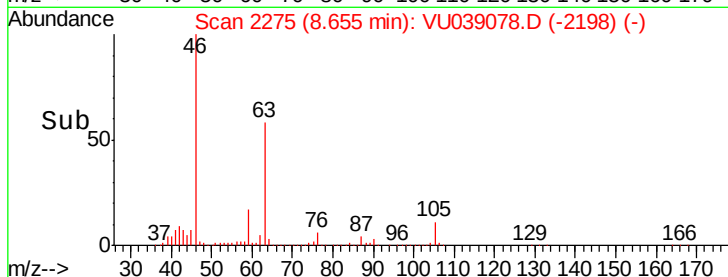
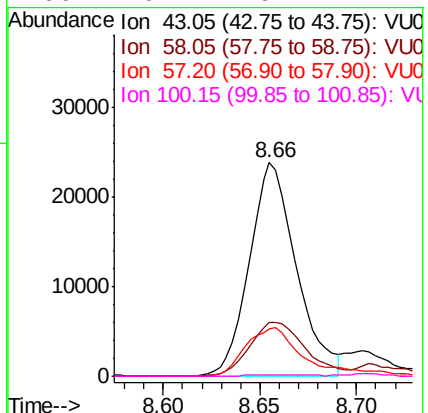
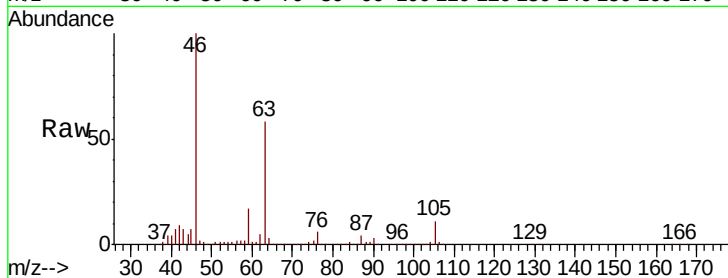




#48
2-Hexanone
Concen: 3.460 ug/L
RT: 8.66 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU039078.D
Acq: 24 Jun 2020 22:23

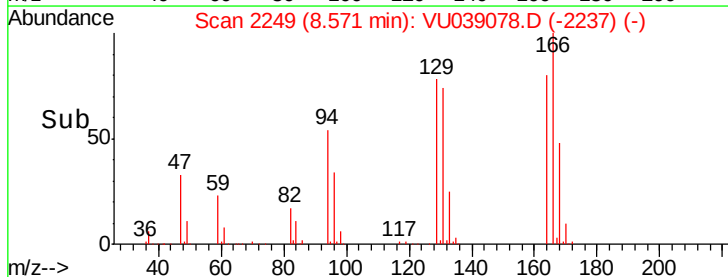
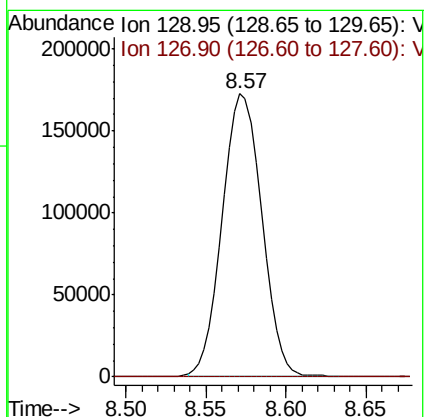
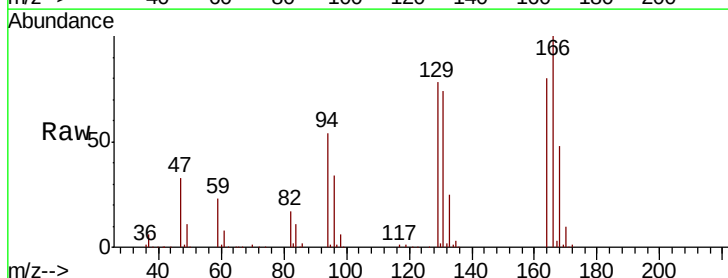
Instrument :
MSVOA_U
ClientSampleId :
F9F58

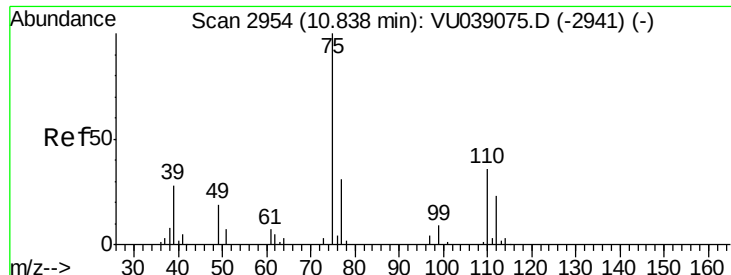
Tot Ion: 43 Resp: 40273
Ion Ratio Lower Upper
43 100
58 30.2 44.0 66.0#
57 28.8 15.0 22.6#
100 0.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 16.894 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU039078.D
Acq: 24 Jun 2020 22:23

Tgt Ion: 129 Resp: 290407
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#





#59

1,2,3-Trichloropropane

Concen: 0.951 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039078.D

Acq: 24 Jun 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

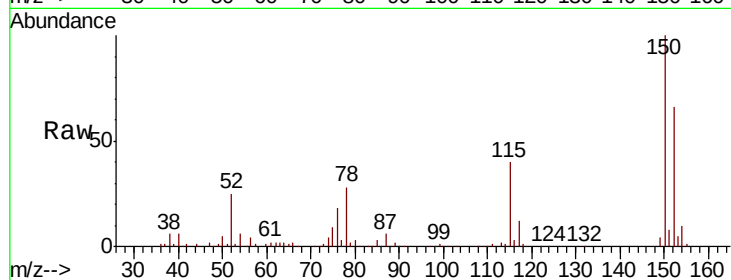
F9F58

Tot Ion: 75 Resp: 15251

Ion Ratio Lower Upper

75 100

77 38.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

