

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037792.D
 Acq On : 17 Apr 2020 23:51
 Operator : JC/MD
 Sample : L2319-04
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:23:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 05:19:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275366	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	262818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80867	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.93	69	76309	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.59	63	110072	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.66	46	312053	54.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.06%
24) Chloroform-d	5.10	84	159916	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.74	65	94864	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.76	84	327954	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.72	67	112495	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.92	98	291966	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.20	79	45926	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.65	63	261507	49.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87258	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	107423	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

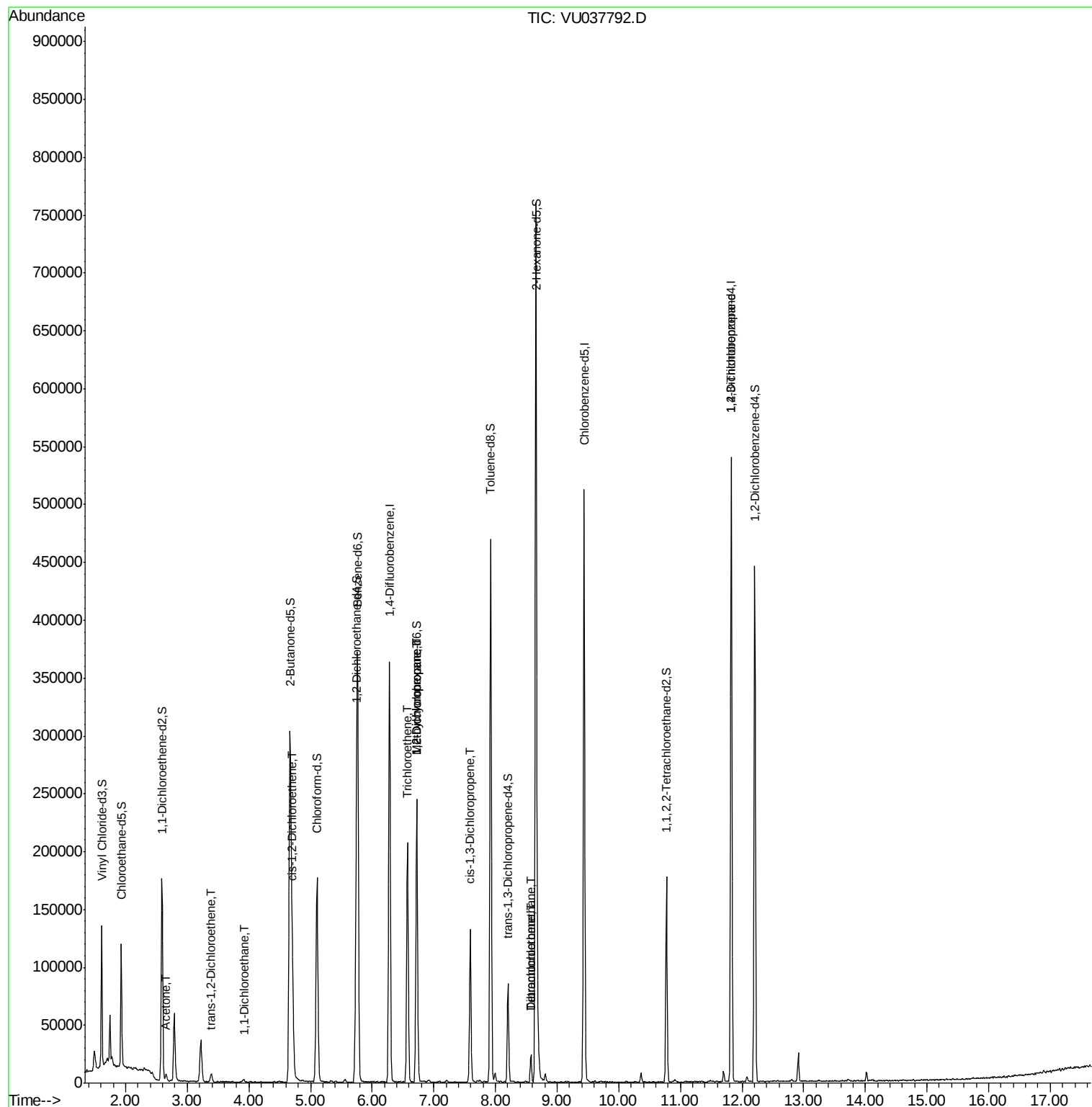
					Ovalue
13) Acetone	2.66	43	6927	1.836	ug/L 93
18) trans-1,2-Dichloroethene	3.39	96	2492	0.121	ug/L 94
19) 1,1-Dichloroethane	3.91	63	3215	0.081	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	38022	1.708	ug/L 93
34) Trichloroethene	6.57	95	70148	3.287	ug/L 97
35) Methylcyclohexane	6.72	83	24224	0.648	ug/L # 17
37) 1,2-Dichloropropane	6.72	63	11971	0.520	ug/L # 87
39) cis-1,3-Dichloropropene	7.59	75	3103	0.086	ug/L 90
47) Tetrachloroethene	8.57	164	4829	0.315	ug/L 89
49) Dibromochloromethane	8.58	129	4903	0.276	ug/L # 11
59) 1,2,3-Trichloropropane	11.83	75	17978	1.193	ug/L 92

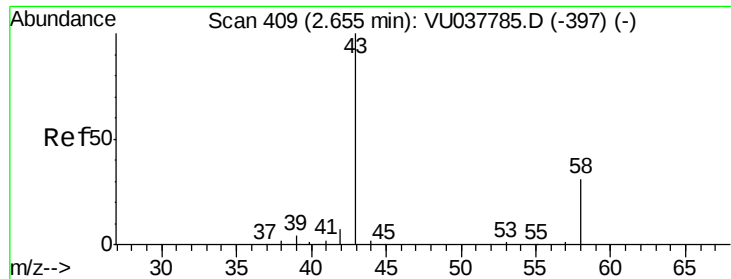
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 18 05:23:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
Quant Title : TRACE VOA SOM01.0
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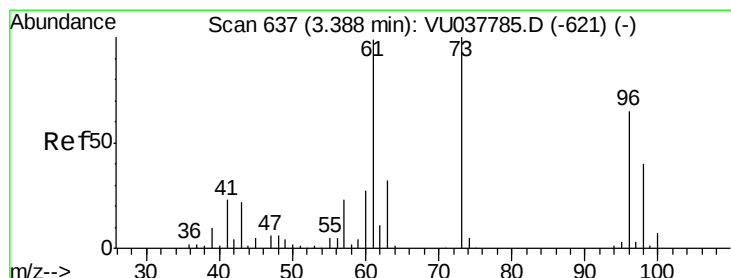
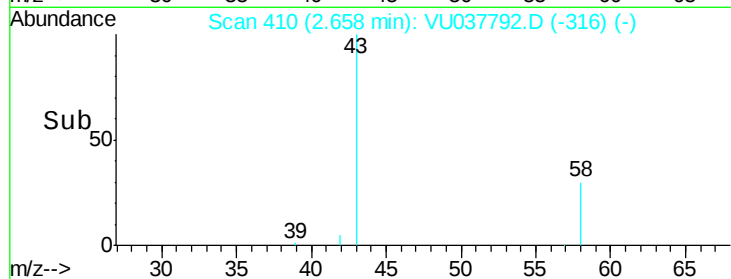
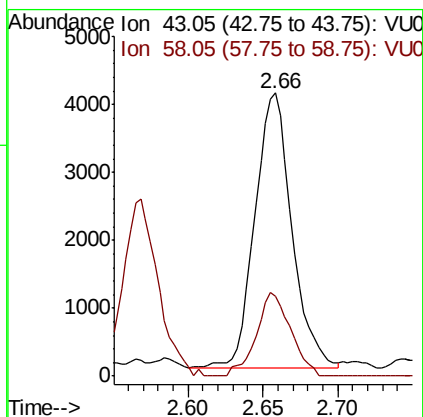
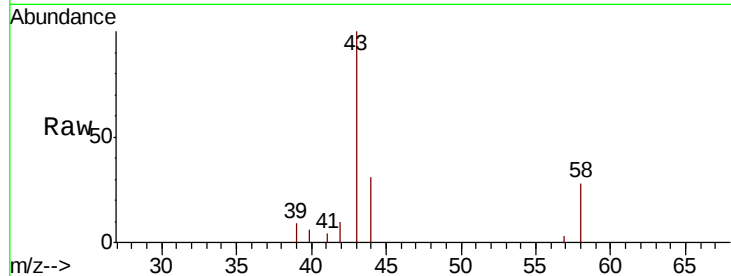




#13
Acetone
Concen: 1.836 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU037792.D
Acq: 17 Apr 2020 23:51

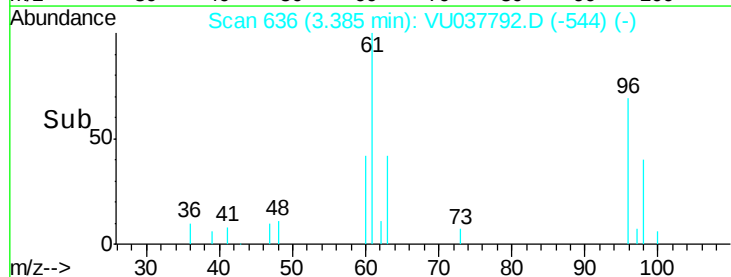
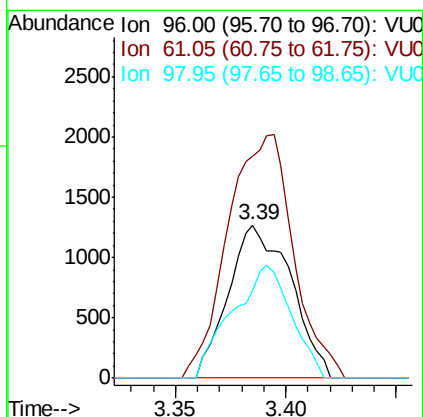
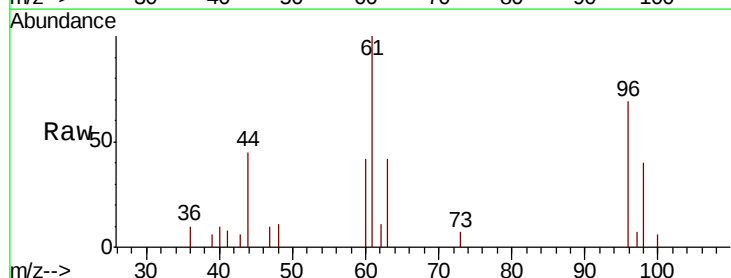
Instrument :
MSVOA_U
ClientSampled :

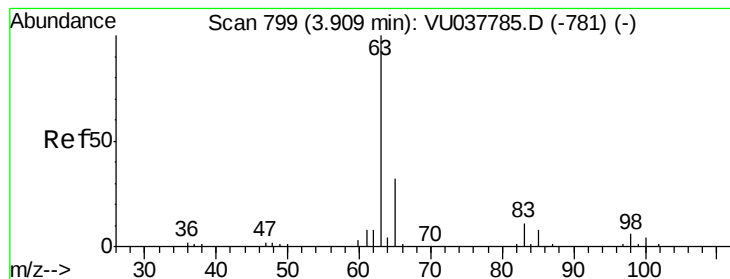
Tot Ion: 43 Resp: 6927
Ion Ratio Lower Upper
43 100
58 28.3 0.0 64.8



#18
trans-1,2-Dichloroethene
Concen: 0.121 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037792.D
Acq: 17 Apr 2020 23:51

Tgt Ion: 96 Resp: 2492
Ion Ratio Lower Upper
96 100
61 145.3 106.7 198.3
98 57.4 44.3 82.3





#19

1,1-Dichloroethane

Concen: 0.081 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

Instrument :

MSVOA_U

ClientSampleId :

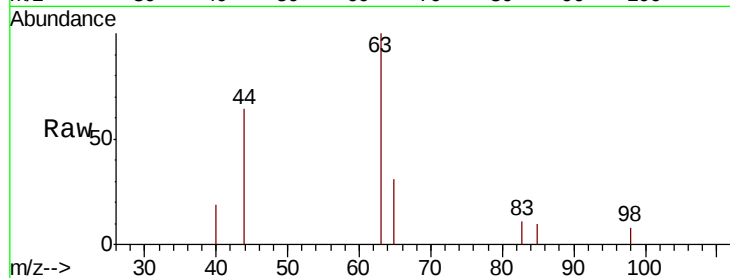
Tot Ion: 63 Resp: 3215

Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.2

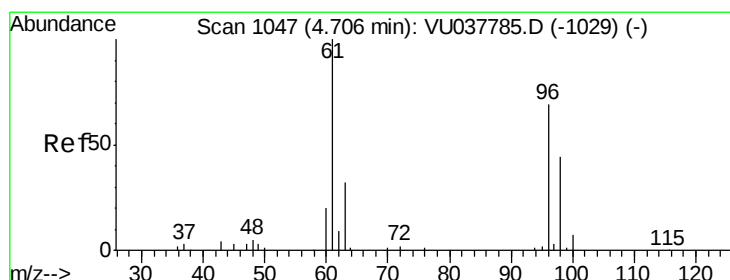
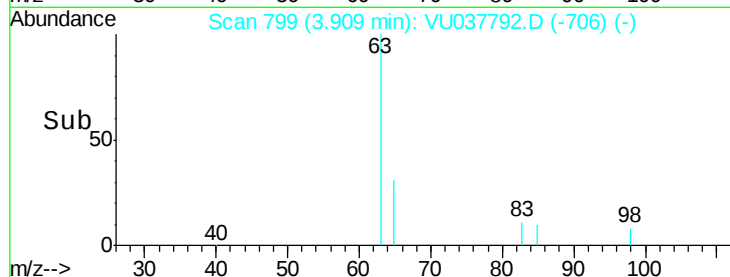
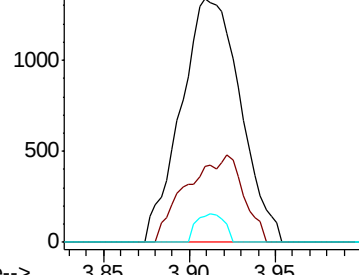
83 10.8 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037792.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU037792.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU037792.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.708 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

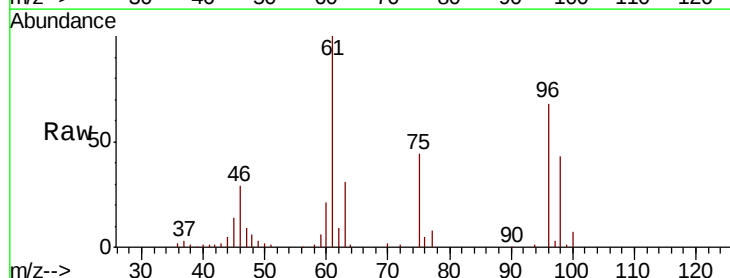
Tgt Ion: 96 Resp: 38022

Ion Ratio Lower Upper

96 100

61 147.4 97.0 180.2

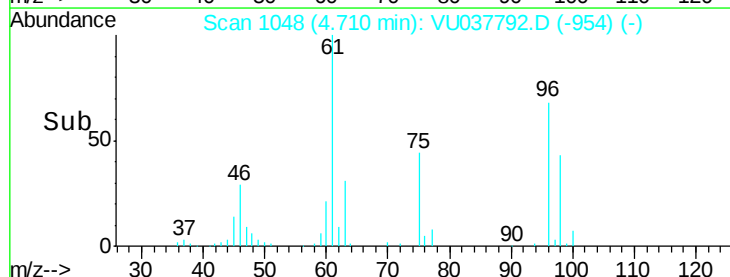
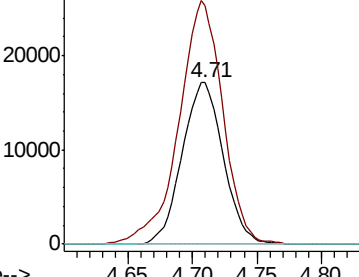
68 0.0 0.0 0.0

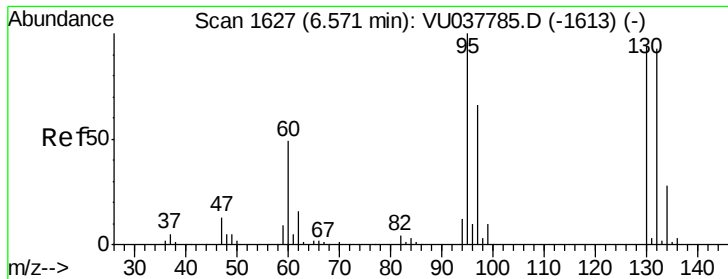


Abundance Ion 96.00 (95.70 to 96.70): VU037792.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037792.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037792.D (-954) (-)





#34

Trichloroethene

Concen: 3.287 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 70148

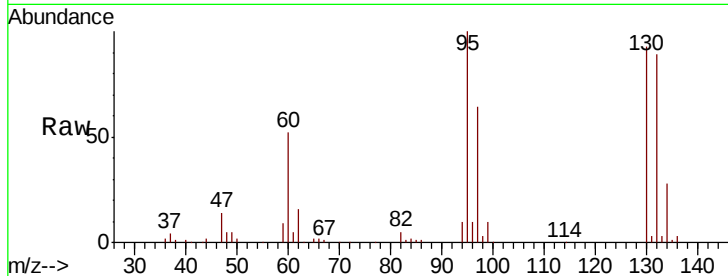
Ion Ratio Lower Upper

95 100

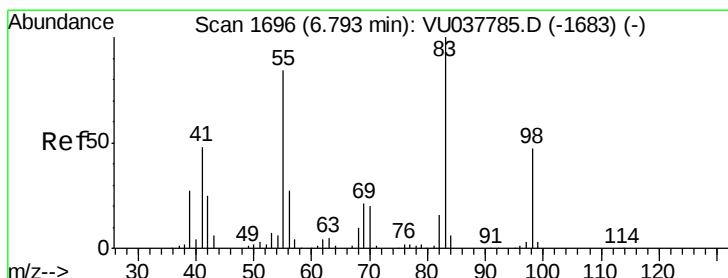
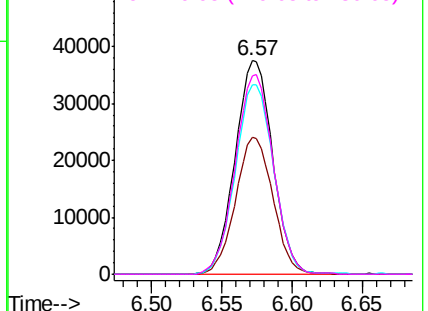
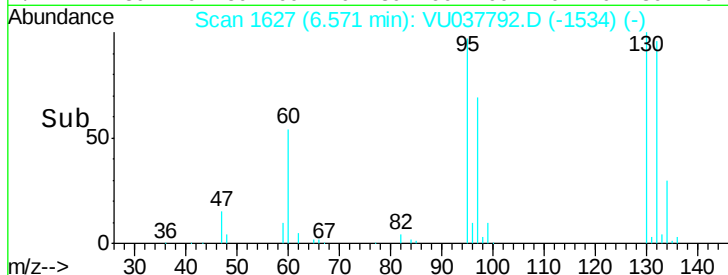
97 64.0 45.4 84.2

132 88.9 63.7 118.3

130 93.1 68.7 127.5



Abundance Ion 95.00 (94.70 to 95.70): VU037792.D (-1534) (-)



#35

Methylcyclohexane

Concen: 0.648 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

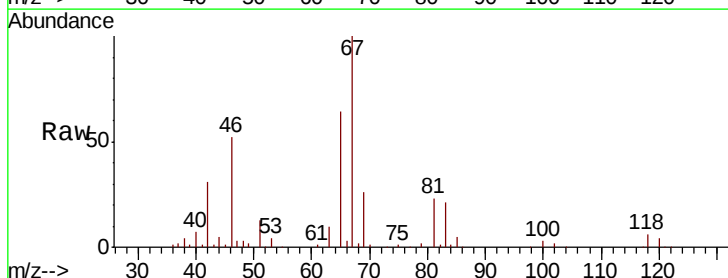
Tgt Ion: 83 Resp: 24224

Ion Ratio Lower Upper

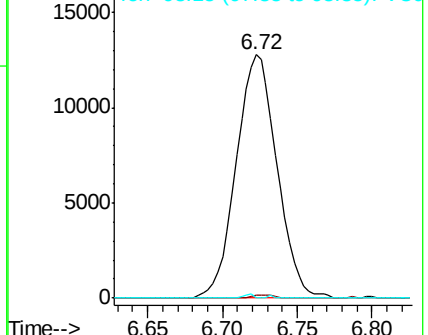
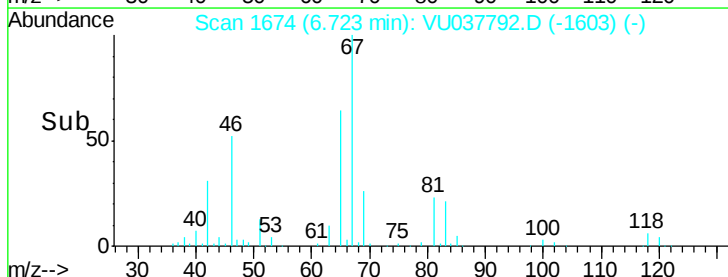
83 100

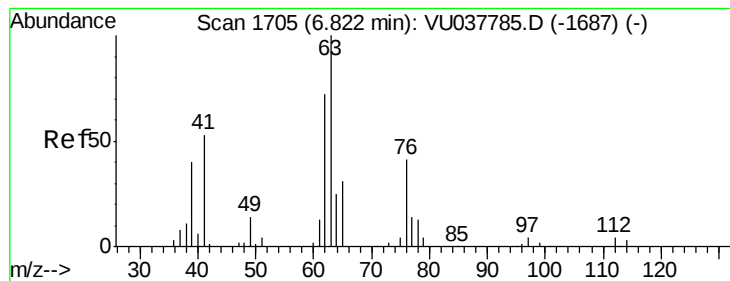
55 0.6 65.5 98.3#

98 0.4 38.2 57.4#



Abundance Ion 83.15 (82.85 to 83.85): VU037792.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

Instrument :

MSVOA_U

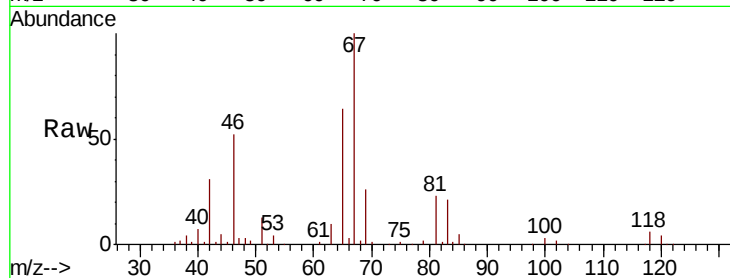
ClientSampleId :

Tot Ion: 63 Resp: 11971

Ion Ratio Lower Upper

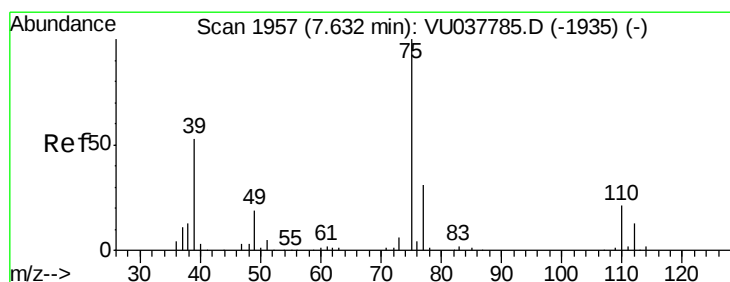
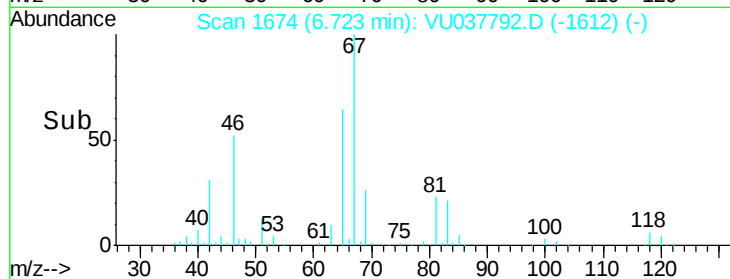
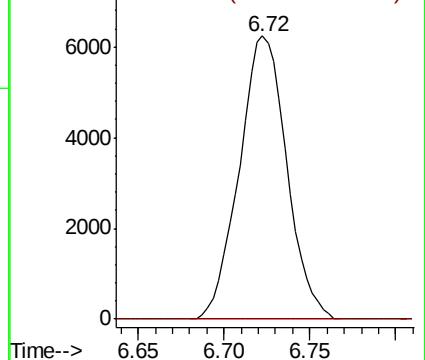
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VU037792.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037792.D (-1612) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU037792.D

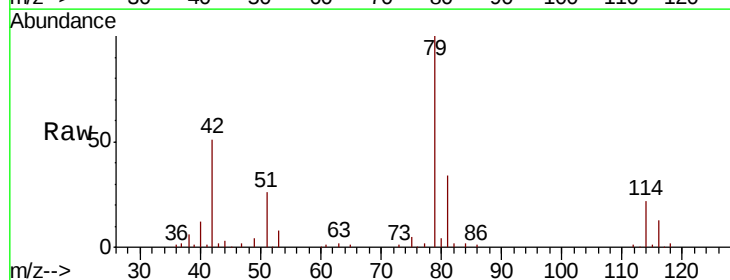
Acq: 17 Apr 2020 23:51

Tgt Ion: 75 Resp: 3103

Ion Ratio Lower Upper

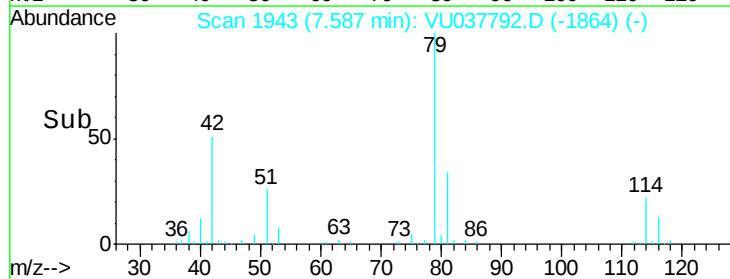
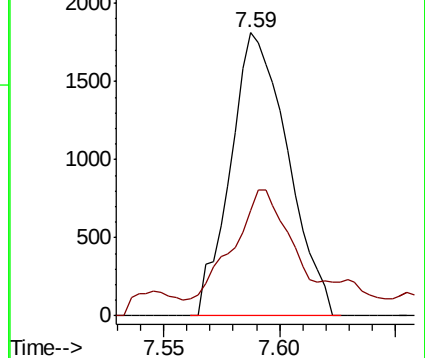
75 100

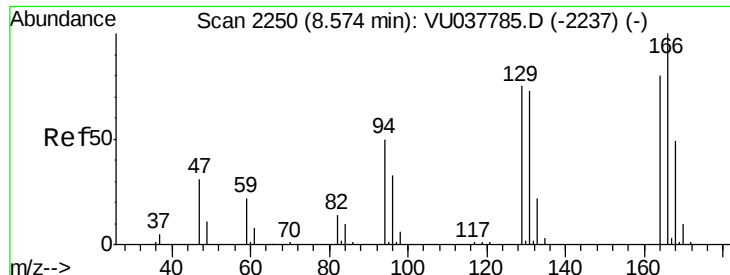
77 37.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU037792.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU037792.D (-1864) (-)





#47

Tetrachloroethene

Concen: 0.315 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:164 Resp: 4829

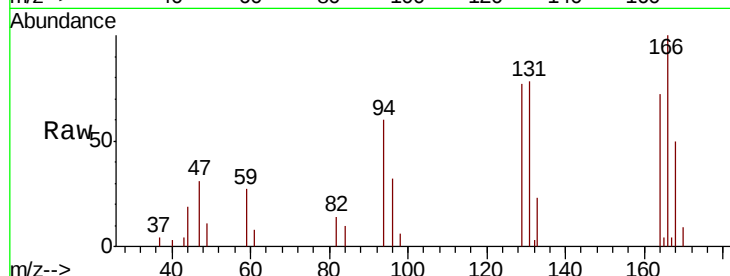
Ion Ratio Lower Upper

164 100

129 106.7 68.1 126.5

131 109.0 65.9 122.5

166 139.0 89.7 166.7

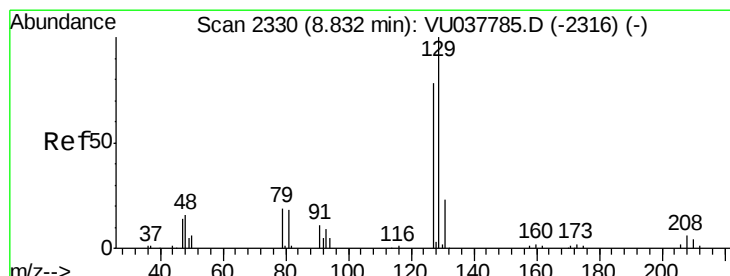
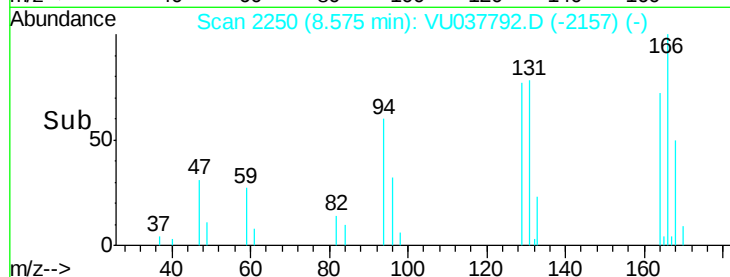
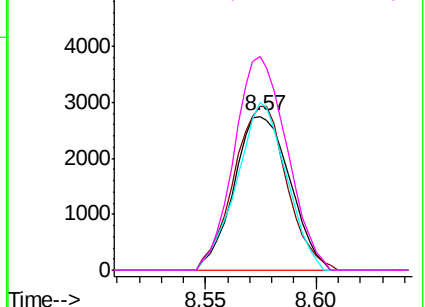


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.276 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU037792.D

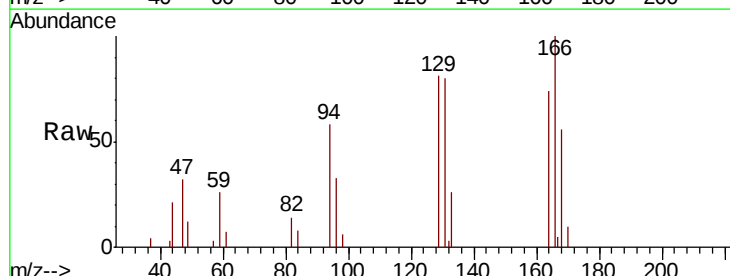
Acq: 17 Apr 2020 23:51

Tgt Ion:129 Resp: 4903

Ion Ratio Lower Upper

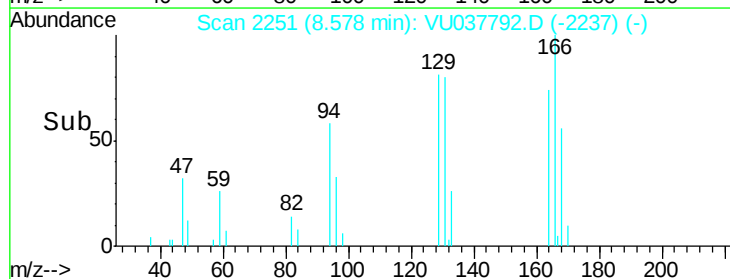
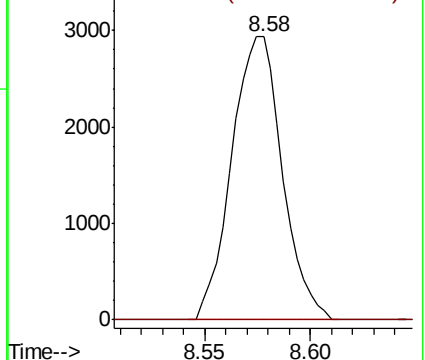
129 100

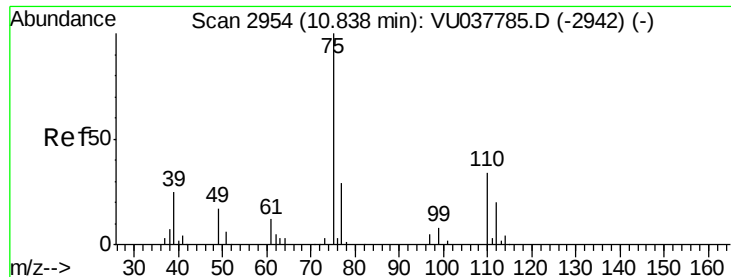
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.193 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037792.D

Acq: 17 Apr 2020 23:51

Instrument :

MSVOA_U

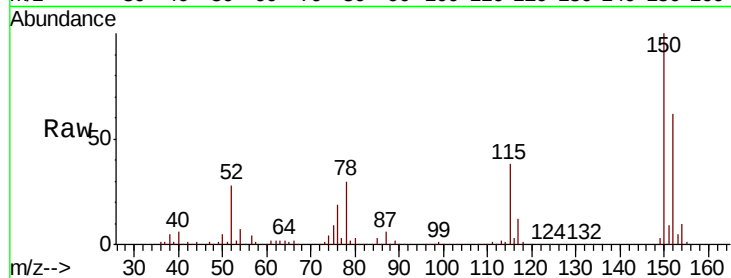
ClientSampleId :

Tot Ion: 75 Resp: 17978

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

