

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040779.D
 Acq On : 17 Oct 2020 22:23
 Operator : SY/MD
 Sample : L4447-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ55

Quant Time: Oct 19 04:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117037	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121422	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51130	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31100	3.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.20%
7) Chloroethane-d5	1.93	69	31326	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	53136	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.66	46	169410	54.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	5.08	84	80854	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.72	65	51465	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.75	84	139924	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.70	67	50872	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	104648	3.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.40%
43) trans-1,3-Dichloropropene-	8.19	79	17593	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.64	63	116388	49.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46125	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45537	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

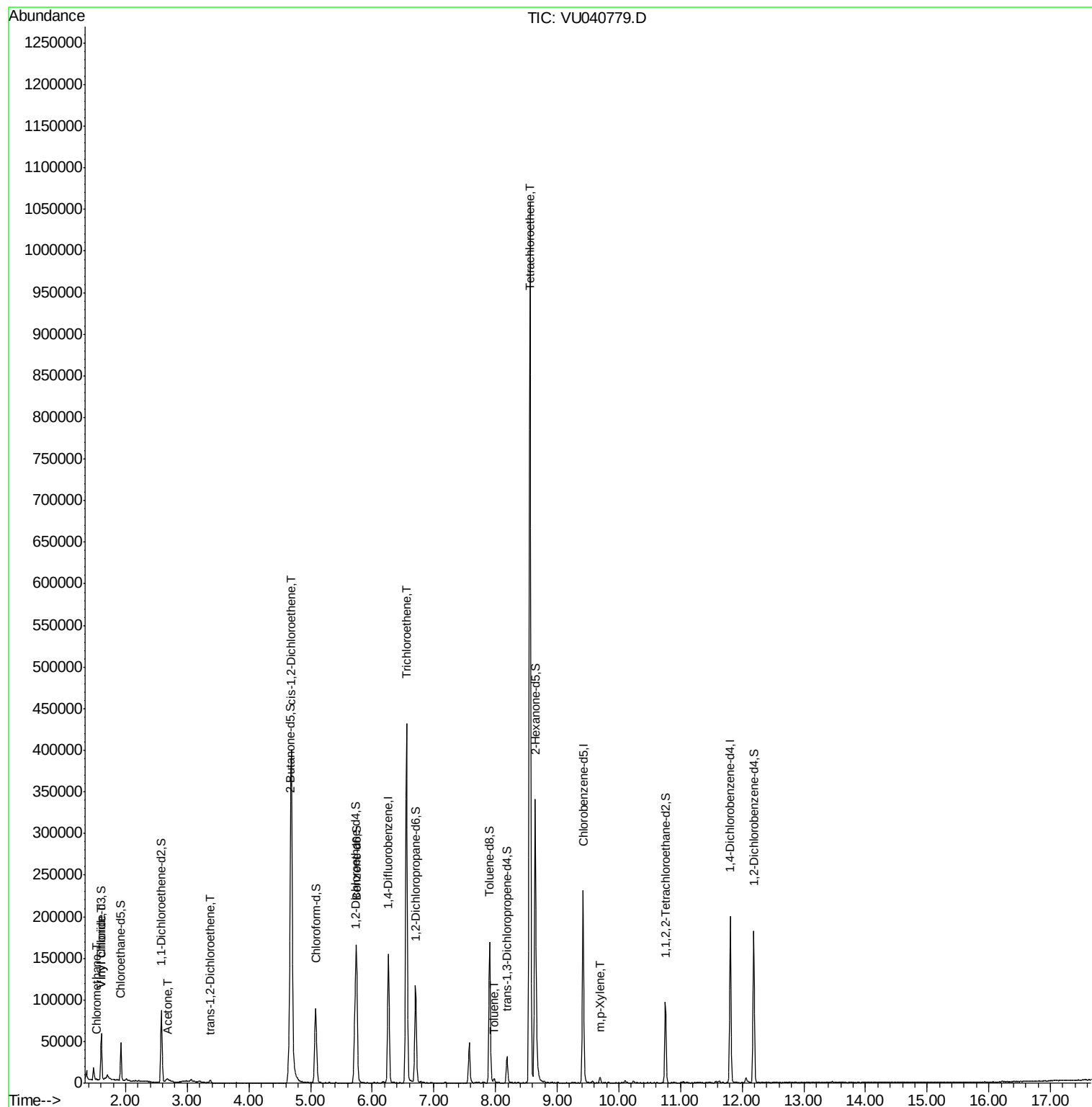
					Ovalue
3) Chloromethane	1.53	50	1521	0.153 ug/L	98
5) Vinyl chloride	1.61	62	3981	0.381 ug/L #	20
13) Acetone	2.68	43	11325	4.708 ug/L	68
18) trans-1,2-Dichloroethene	3.37	96	1191	0.136 ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	178152	18.899 ug/L	96
34) Trichloroethene	6.56	95	142453	14.088 ug/L	98
42) Toluene	7.98	91	3491	0.088 ug/L	98
47) Tetrachloroethene	8.56	164	218300	30.260 ug/L	95
53) m,p-Xylene	9.69	106	2018	0.129 ug/L	91

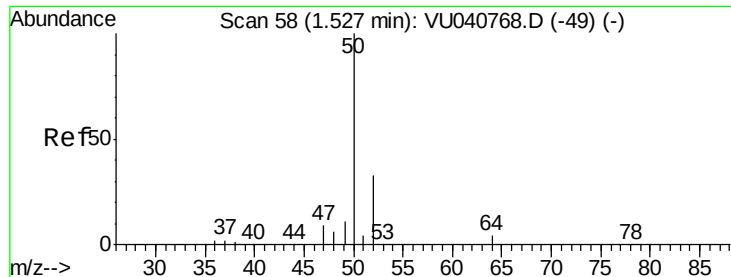
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Instrument :

MSVOA_U

ClientSampled :

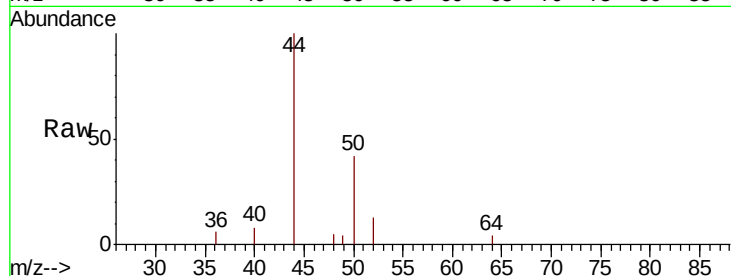
ETZ55

Tot Ion: 50 Resp: 1521

Ion Ratio Lower Upper

50 100

52 32.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1500

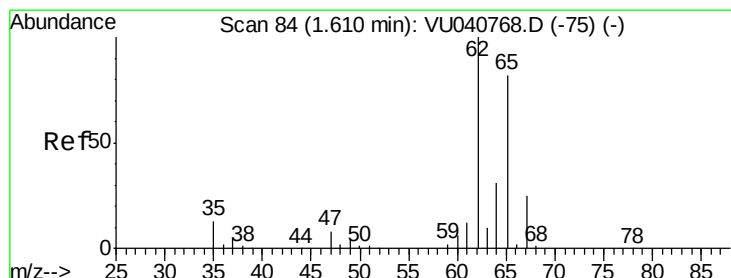
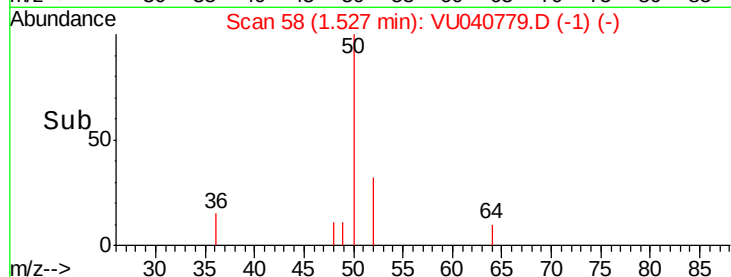
1000

500

0

1.50 1.52 1.54 1.56

Time-->



#5

Vinyl chloride

Concen: 0.381 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040779.D

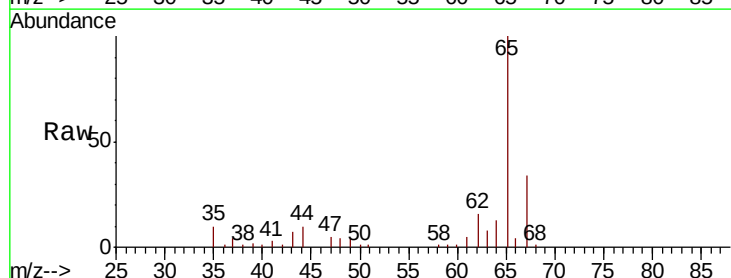
Acq: 17 Oct 2020 22:23

Tgt Ion: 62 Resp: 3981

Ion Ratio Lower Upper

62 100

64 79.6 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

4000

3000

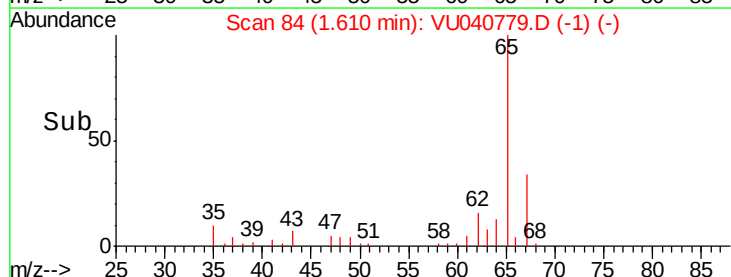
2000

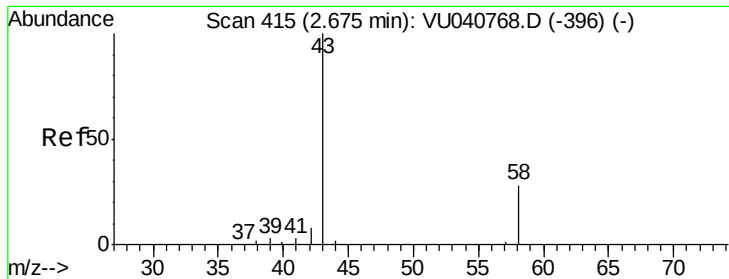
1000

0

1.58 1.60 1.62 1.64

Time-->





#13

Acetone

Concen: 4.708 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

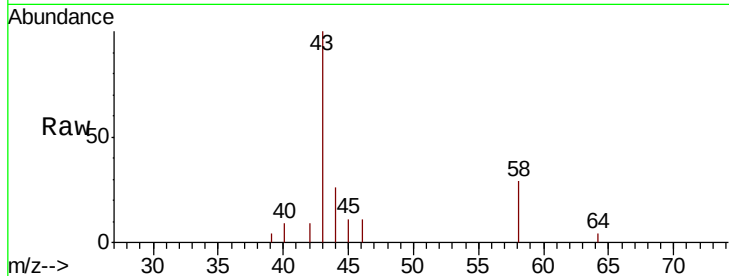
ETZ55

Tot Ion: 43 Resp: 11325

Ion Ratio Lower Upper

43 100

58 13.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040768.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040768.D (-396) (-)

2.68

2500

2000

1500

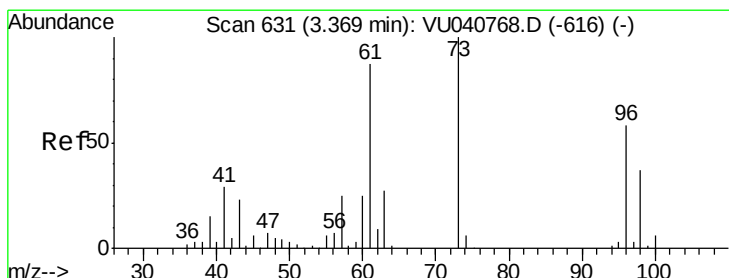
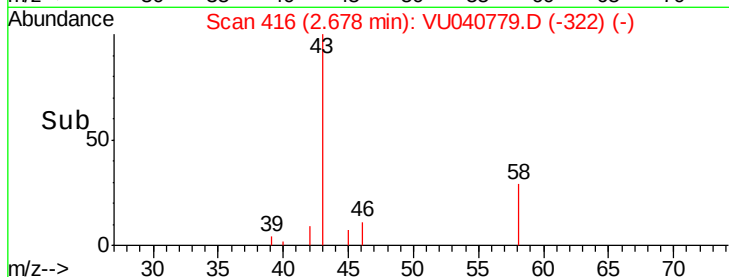
1000

500

0

2.60 2.70 2.80

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

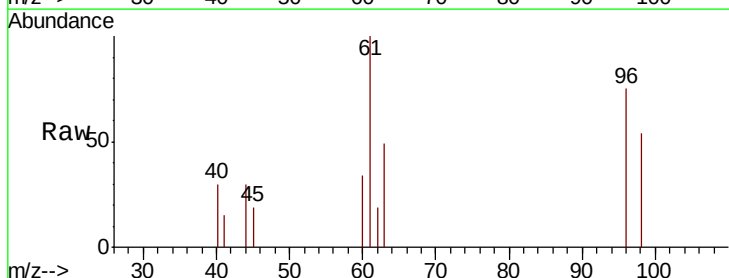
Tgt Ion: 96 Resp: 1191

Ion Ratio Lower Upper

96 100

61 133.7 105.9 196.7

98 72.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU040768.D (-616) (-)

Ion 61.05 (60.75 to 61.75): VU040768.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU040768.D (-616) (-)

3.37

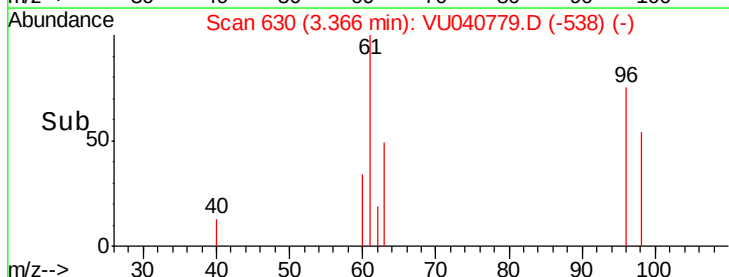
1000

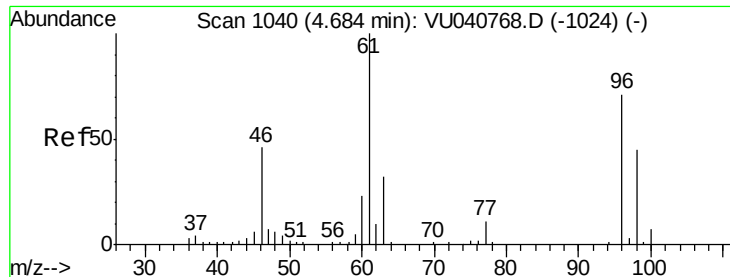
500

0

3.35 3.40

Time-->





#22

cis-1,2-Dichloroethene

Concen: 18.899 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Instrument :
MSVOA_U
ClientSampled :
ETZ55

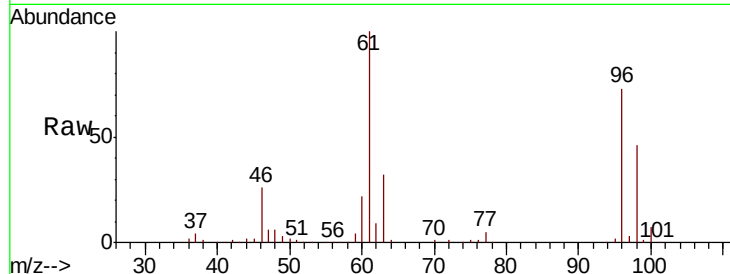
Tot Ion: 96 Resp: 178152

Ion Ratio Lower Upper

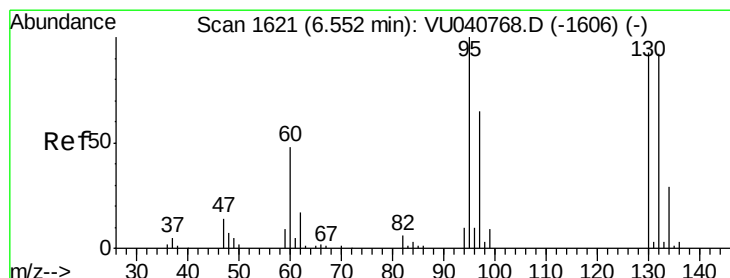
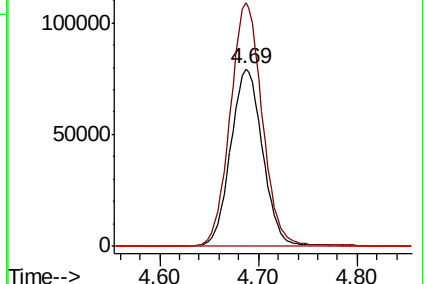
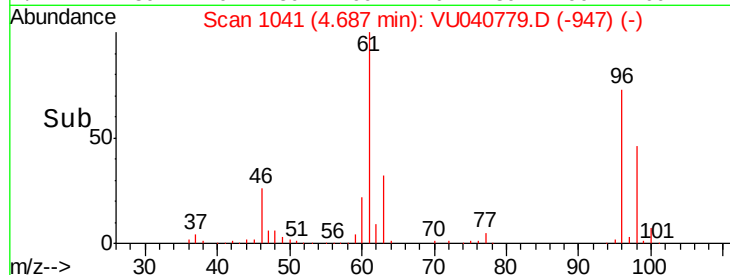
96 100

61 137.5 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 14.088 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Tgt Ion: 95 Resp: 142453

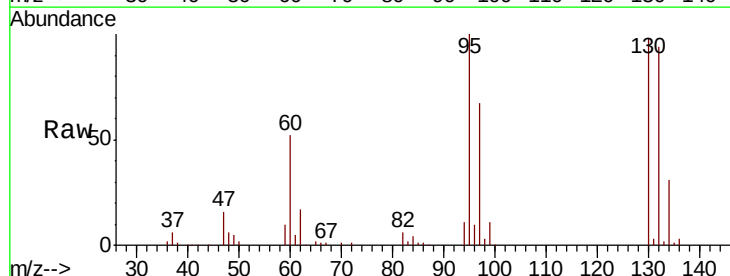
Ion Ratio Lower Upper

95 100

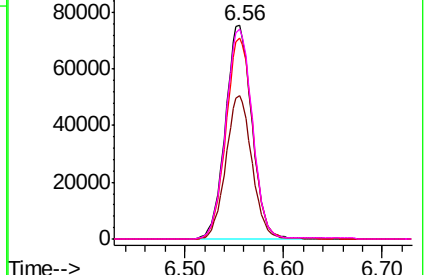
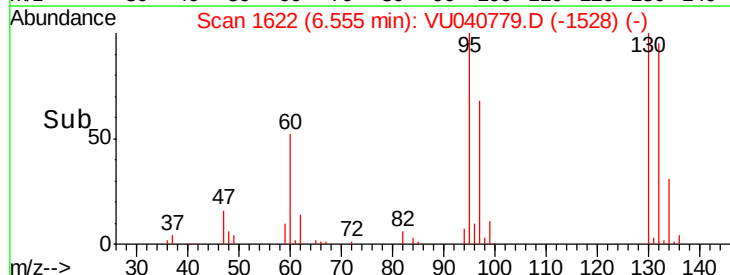
97 67.3 45.5 84.5

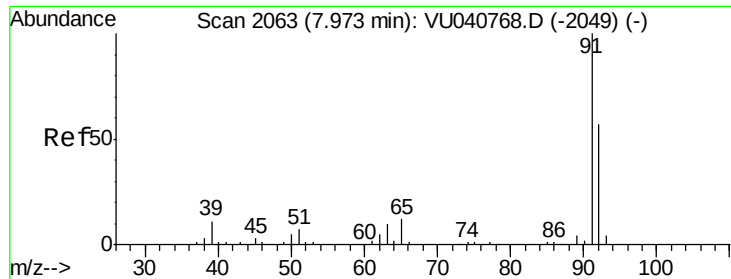
132 93.9 67.5 125.4

130 98.3 69.9 129.9



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





#42

Toluene

Concen: 0.088 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Instrument :

MSVOA_U

ClientSampleId :

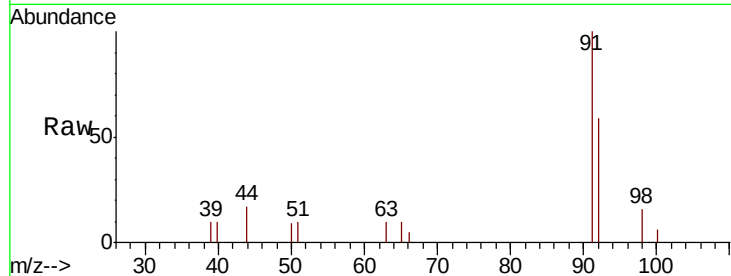
ETZ55

Tot Ion: 91 Resp: 3491

Ion Ratio Lower Upper

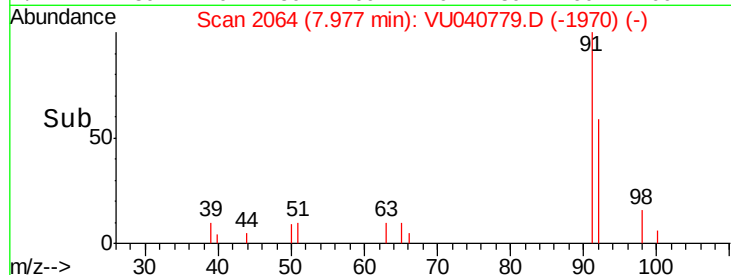
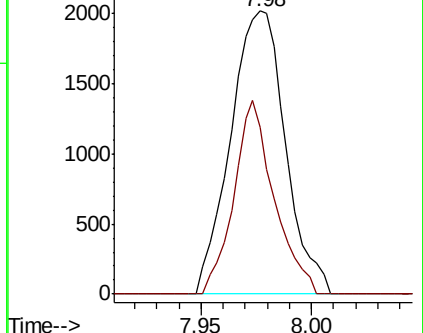
91 100

92 58.7 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040779.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040779.D (-1970) (-)



#47

Tetrachloroethene

Concen: 30.260 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

Tgt Ion: 164 Resp: 218300

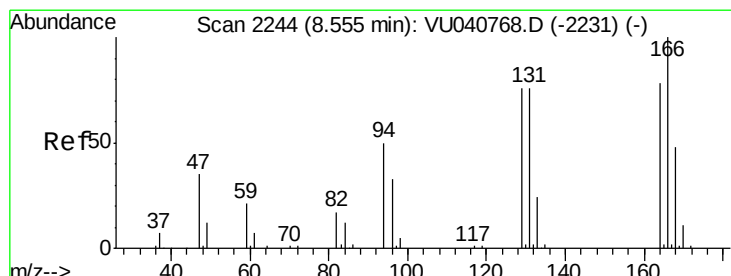
Ion Ratio Lower Upper

164 100

129 99.5 68.8 127.8

131 97.2 66.7 123.9

166 130.3 83.9 155.7

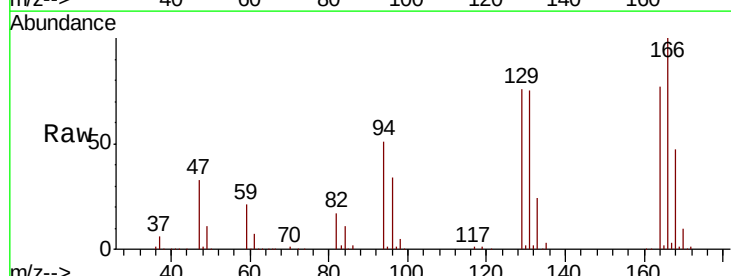
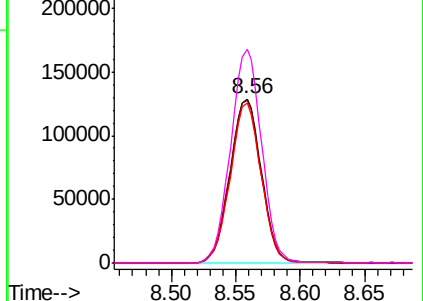


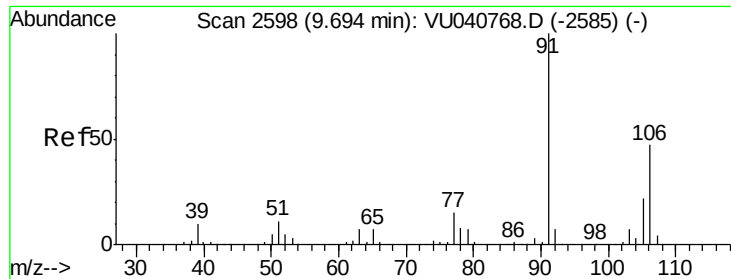
Abundance Ion 163.90 (163.60 to 164.60): VU040779.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040779.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040779.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040779.D (-2151) (-)





#53

m,p-Xylene

Concen: 0.129 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040779.D

Acq: 17 Oct 2020 22:23

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ClientSampleId :

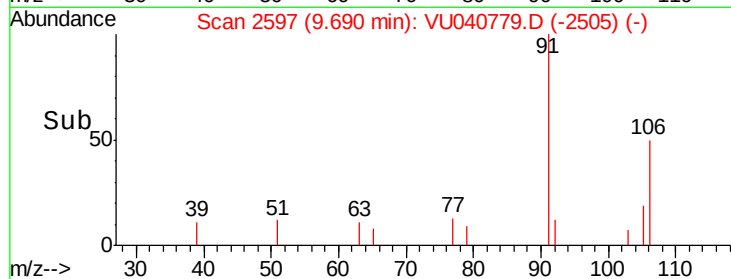
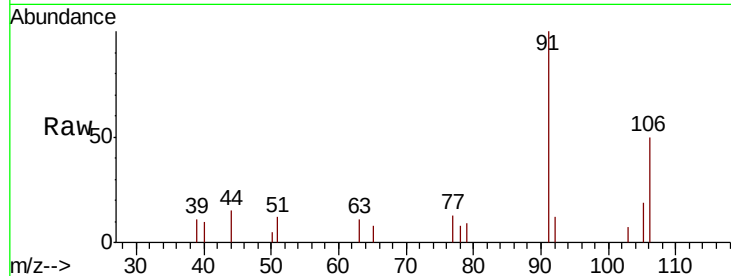
ETZ55

Tot Ion:106 Resp: 2018

Ion Ratio Lower Upper

106 100

91 198.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

