

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040780.D
 Acq On : 17 Oct 2020 22:46
 Operator : SY/MD
 Sample : L4447-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ56

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:04:48 PM

Quant Time: Oct 19 04:55:25 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	130674	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126732	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151085	13.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	279.00%#
7) Chloroethane-d5	1.92	69	35220	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.59	63	103944	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.70	46	201963	58.29	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.58%
24) Chloroform-d	5.09	84	85941	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.72	65	54107	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	151010	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	54439	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	113138	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	8.19	79	19273	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.64	63	117718	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50247	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	47571	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.60	62	12693893	1088.652	ug/L #	74
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2401	0.221	ug/L #	76
12) 1,1-Dichloroethene	2.60	96	84519	9.065	ug/L #	86
14) Carbon disulfide	2.82	76	65835	2.522	ug/L #	95
17) Methyl tert-butyl Ether	3.38	73	8860	0.336	ug/L #	86
18) trans-1,2-Dichloroethene	3.38	96	401916	41.180	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	30701277m	2916.938	ug/L	
30) Cyclohexane	5.40	56	2176	0.139	ug/L #	93
33) Benzene	5.79	78	2370	0.058	ug/L	100
34) Trichloroethene	6.55	95	17127	1.623	ug/L	95
42) Toluene	7.97	91	7289	0.176	ug/L	88
47) Tetrachloroethene	8.56	164	7144	0.949	ug/L	92
52) Ethylbenzene	9.57	91	2002	0.045	ug/L	92
53) m,p-Xylene	9.69	106	2182	0.133	ug/L	89
65) 1,2-Dichlorobenzene	12.21	146	1053	0.063	ug/L #	84

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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

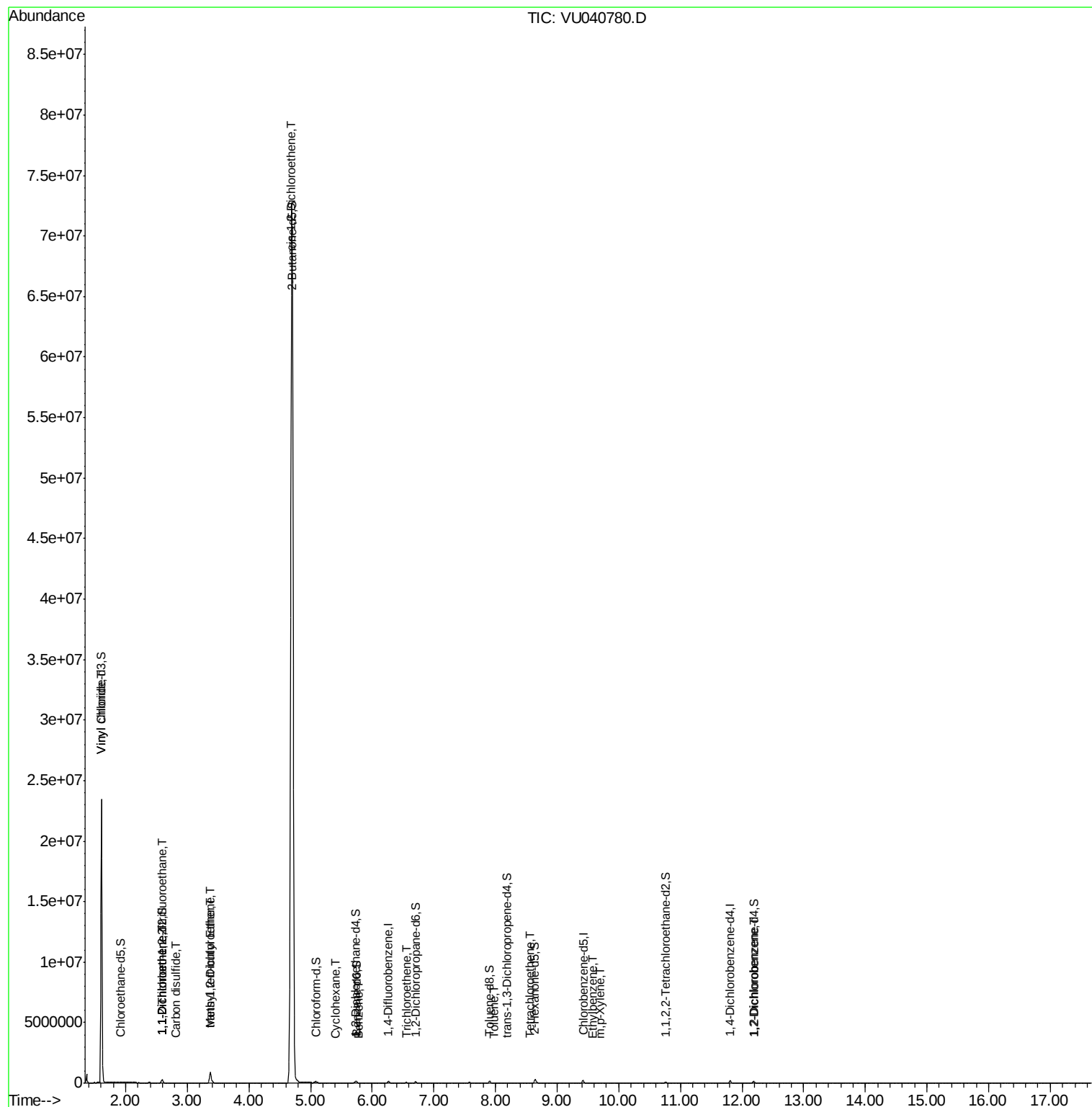
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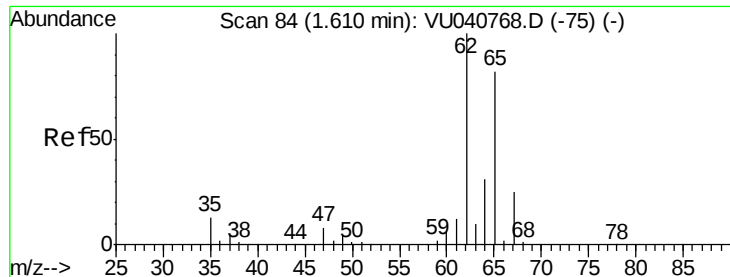
Instrument :
MSVOA_U
ClientSampleId :
ETZ56

Manual Integrations
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1088.652 ug/L

RT: 1.60 min Scan# 82

Delta R.T. -0.01 min

Lab File: VU040780.D

Acq: 17 Oct 2020 22:46

Instrument :

MSVOA_U

ClientSampleId :

ETZ56

Tot Ion: 62 Resp: 12693893

Ion Ratio Lower Upper

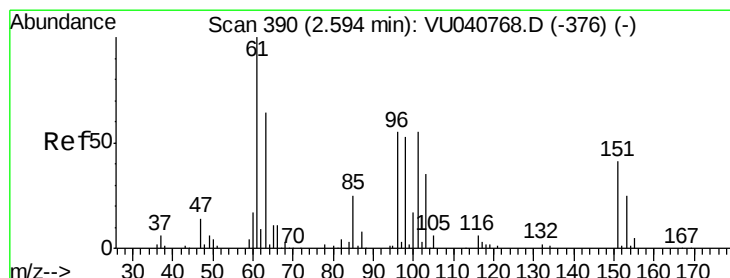
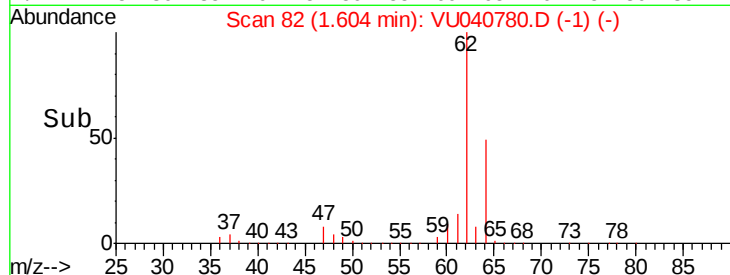
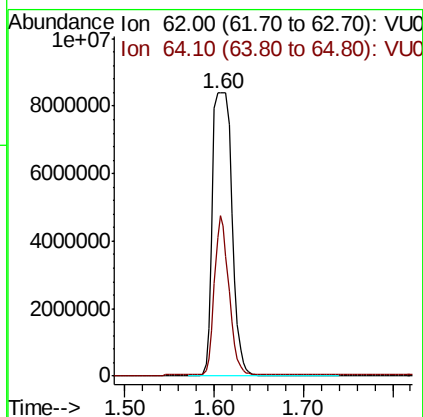
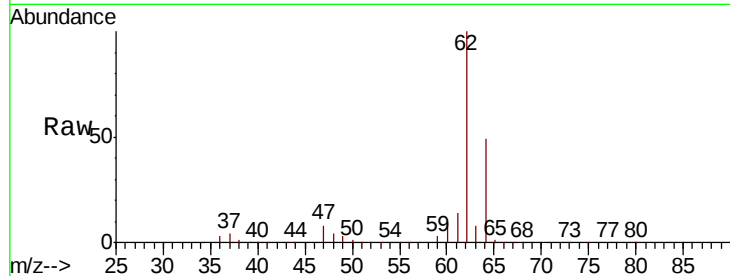
62 100

64 49.0 23.7 44.1#

Manual Integrations
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#10

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

Concen: 0.221 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040780.D

Acq: 17 Oct 2020 22:46

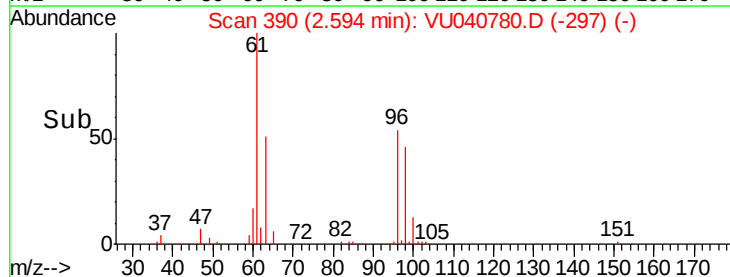
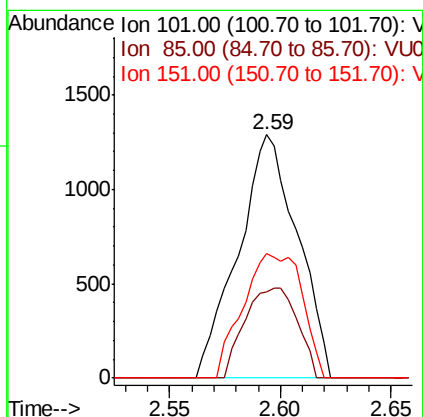
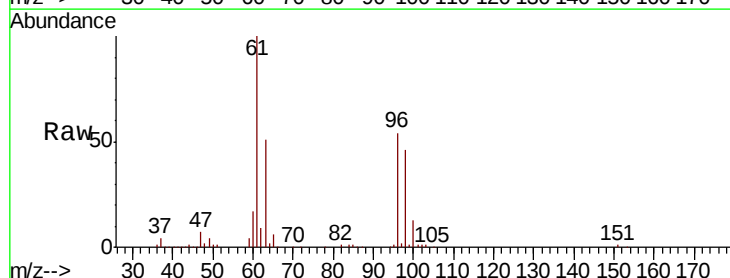
Tgt Ion: 101 Resp: 2401

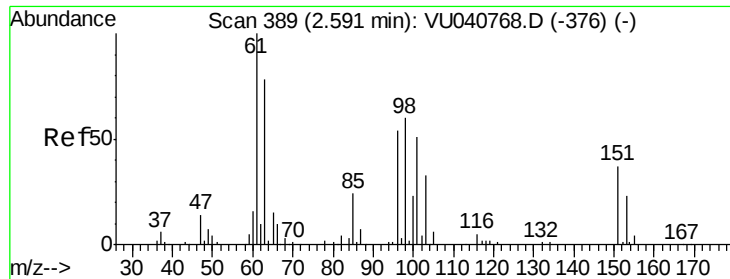
Ion Ratio Lower Upper

101 100

85 32.9 36.7 55.1#

151 50.9 58.0 87.0#





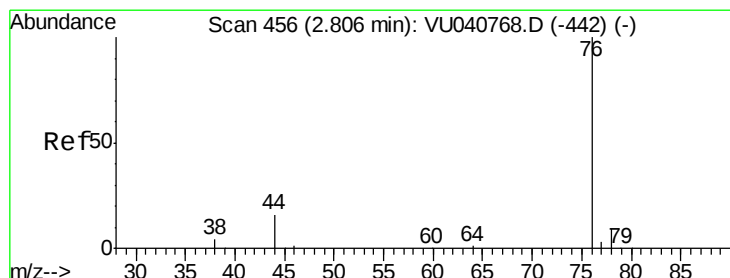
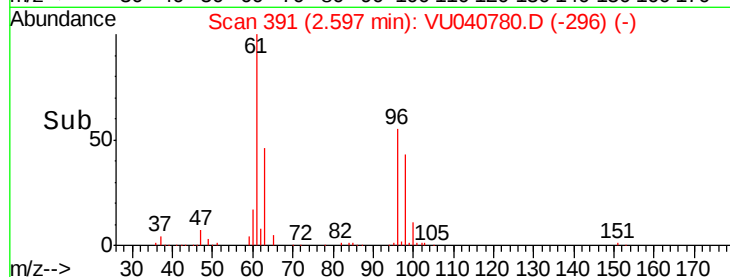
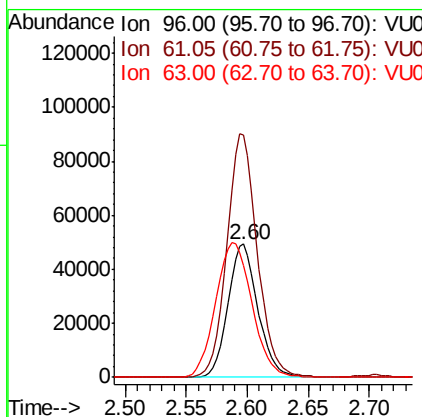
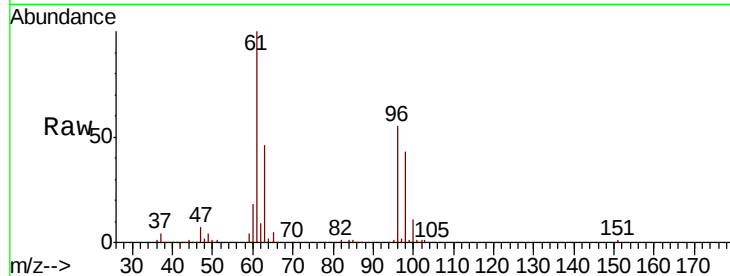
#12
 1,1-Dichloroethene
 Concen: 9.065 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VU040780.D
 Acq: 17 Oct 2020 22:46

Instrument :
 MSVOA_U
 ClientSampled :
 ETZ56

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.1	128.8	239.2
63	84.0	84.6	157.2#

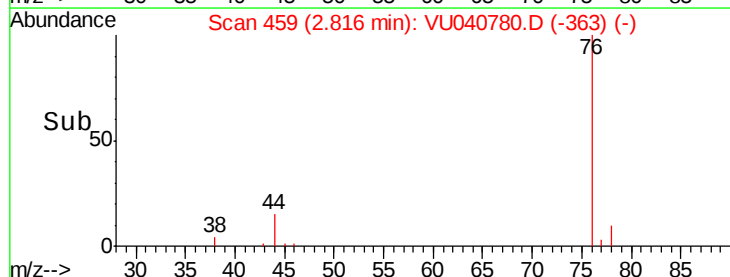
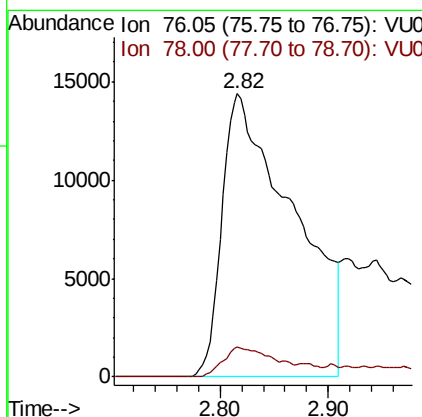
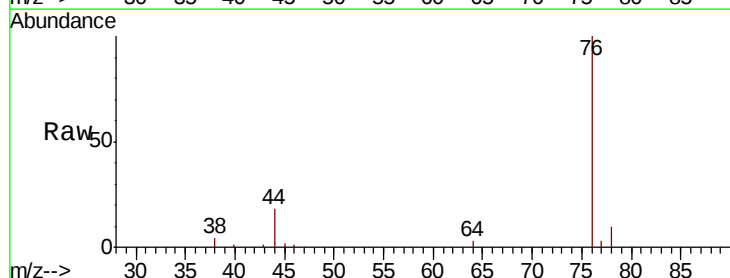
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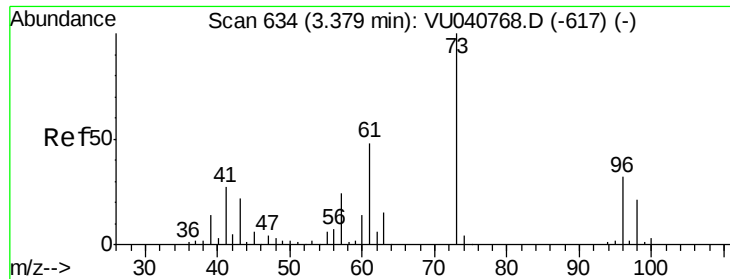
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#14
 Carbon disulfide
 Concen: 2.522 ug/L
 RT: 2.82 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: VU040780.D
 Acq: 17 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.8	10.2#





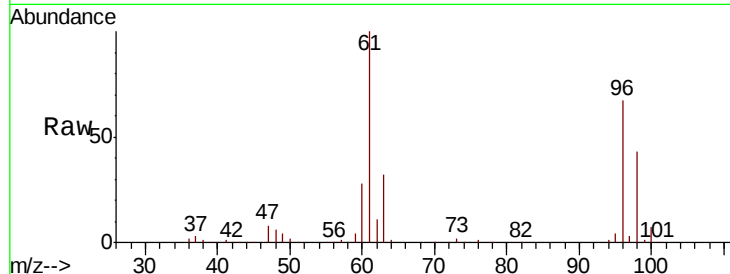
#17
Methvl tert-butvl Ether
Concen: 0.336 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040780.D
Acq: 17 Oct 2020 22:46

Instrument :
MSVOA_U
ClientSampleId :
ETZ56

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.1	18.2	27.4
57	34.0	18.6	28.0

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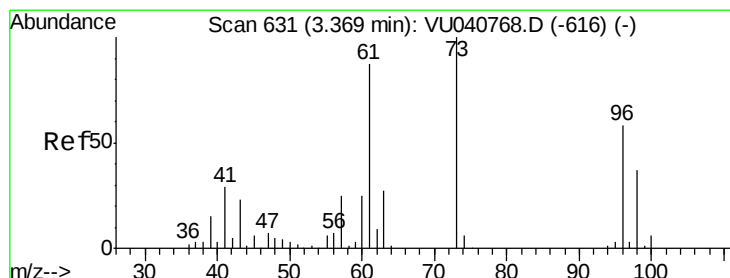
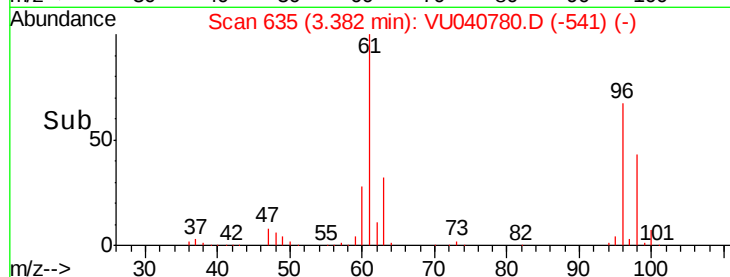
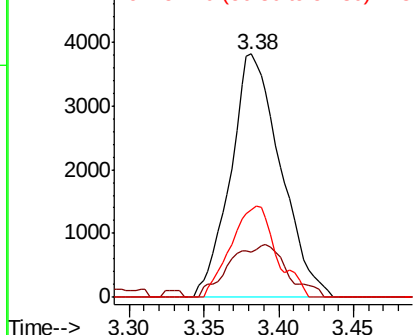


Abundance

Ion 73.10 (72.80 to 73.80): VU040780.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU040780.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU040780.D (-617) (-)



#18
trans-1,2-Dichloroethene
Concen: 41.180 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040780.D
Acq: 17 Oct 2020 22:46

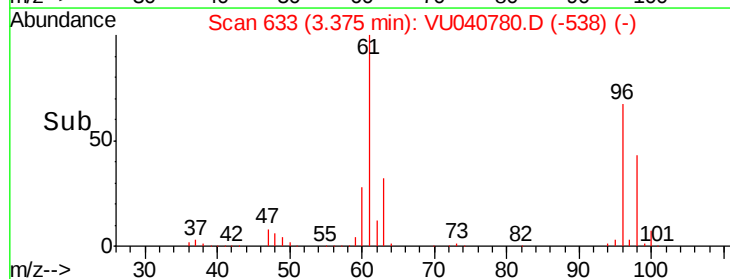
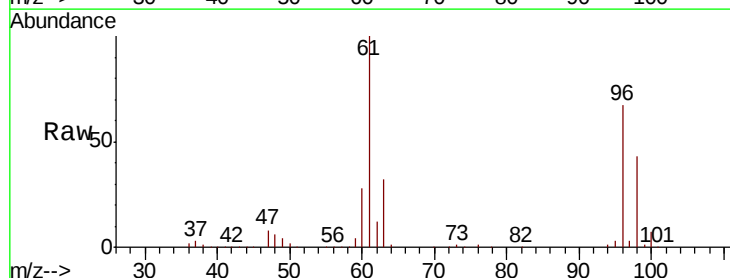
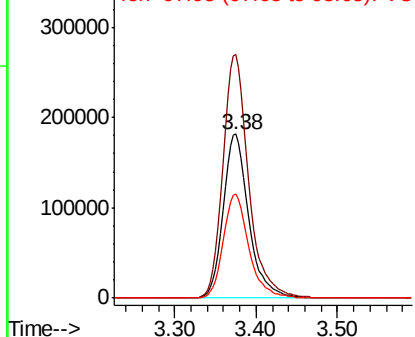
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	105.9	196.7
98	63.1	43.8	81.3

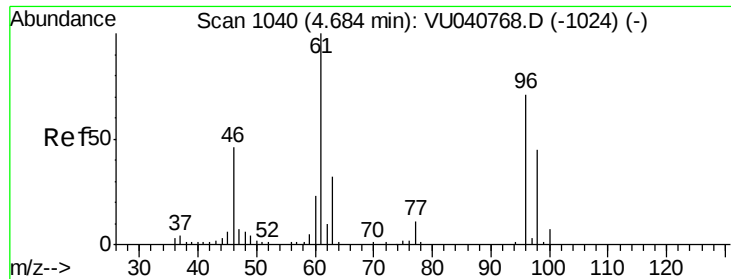
Abundance

Ion 96.00 (95.70 to 96.70): VU040780.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040780.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040780.D (-538) (-)





#22

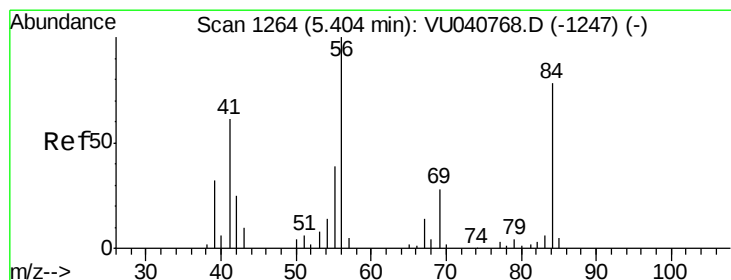
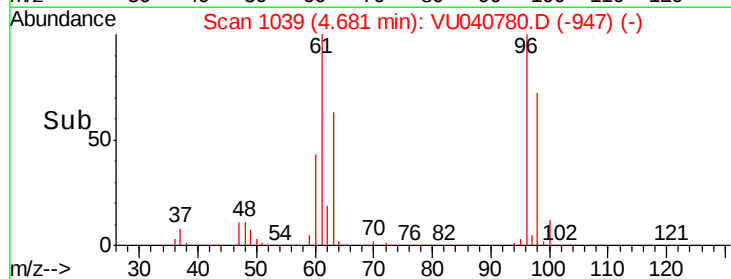
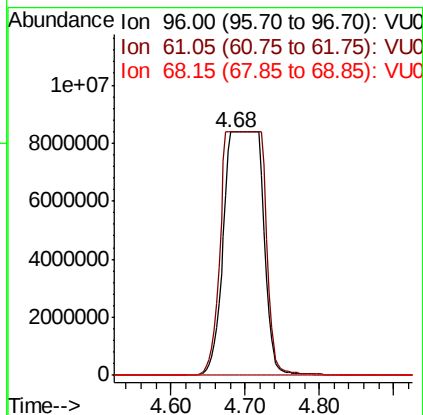
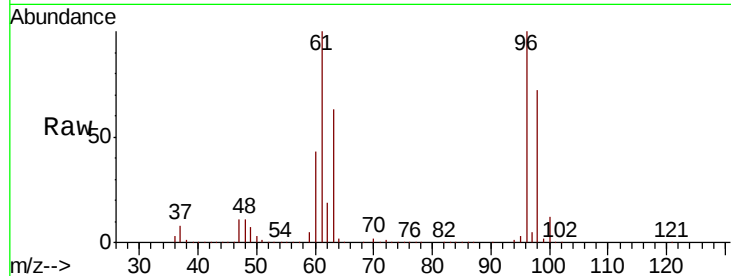
cis-1,2-Dichloroethene
 Concen: 2916.938 ug/L m
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040780.D
 Acq: 17 Oct 2020 22:46

Instrument :
 MSVOA_U
 ClientSampled :
 ETZ56

Tot Ion: 96 Resp: 30701277
 Ion Ratio Lower Upper
 96 100
 61 100.0 99.8 185.4
 68 0.0 0.0 0.0#

Manual Integrations
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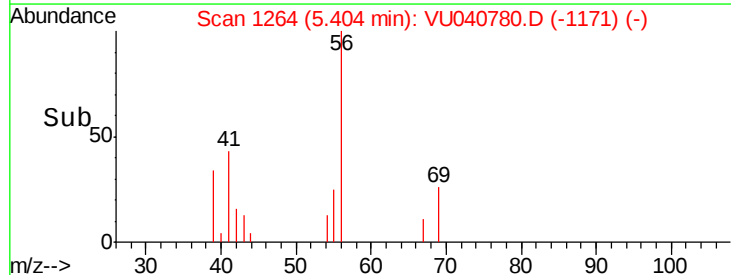
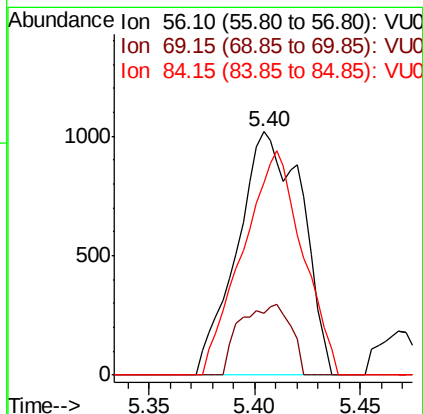
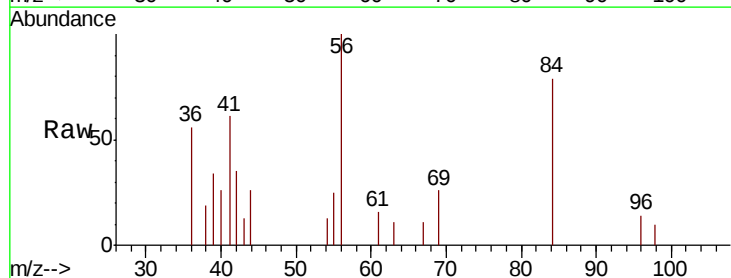
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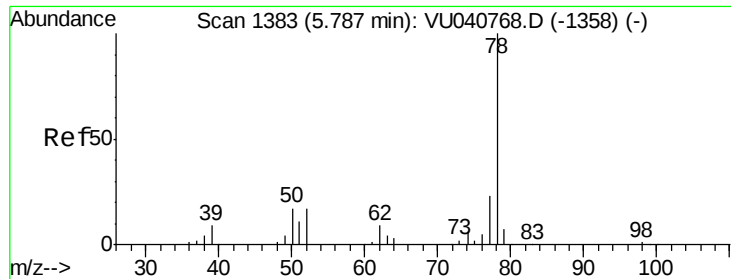


#30

Cyclohexane
 Concen: 0.139 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040780.D
 Acq: 17 Oct 2020 22:46

Tgt Ion: 56 Resp: 2176
 Ion Ratio Lower Upper
 56 100
 69 22.6 23.8 35.8#
 84 84.6 64.0 96.0





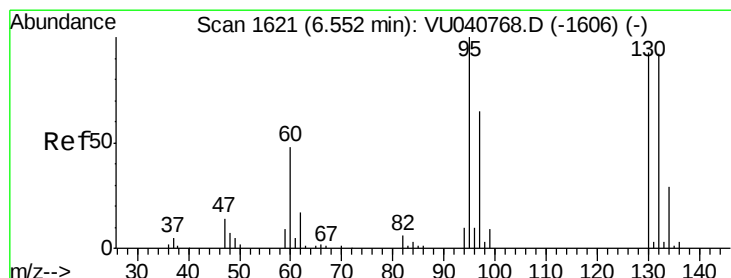
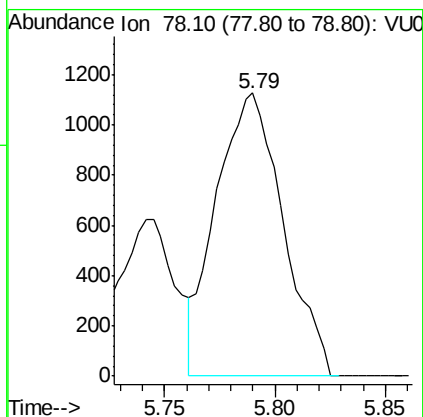
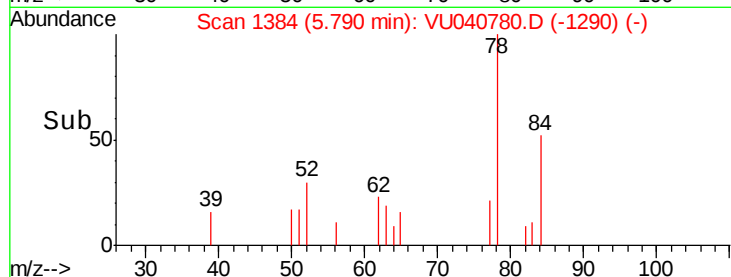
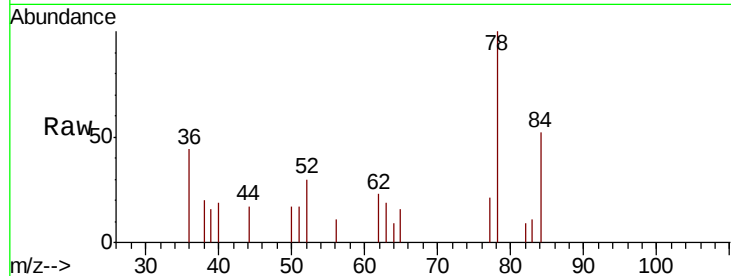
#33
Benzene
Concen: 0.058 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040780.D
Acq: 17 Oct 2020 22:46

Instrument :
MSVOA_U
ClientSampled :
ETZ56

Tgt Ion: 78 Resp: 2370

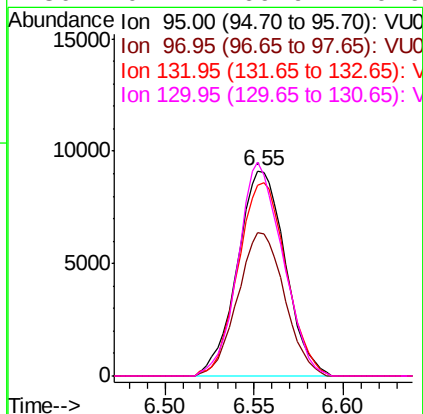
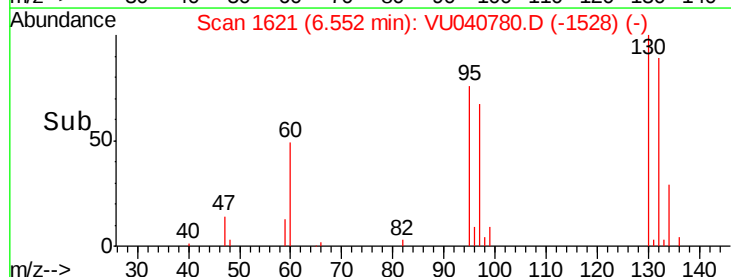
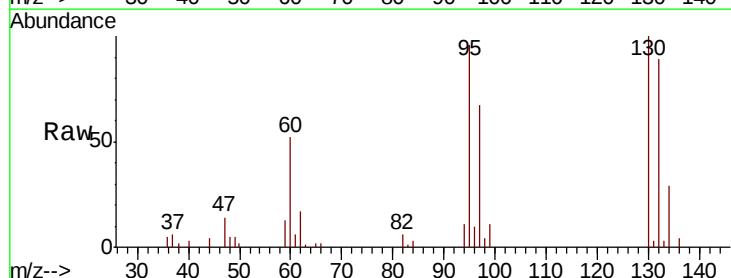
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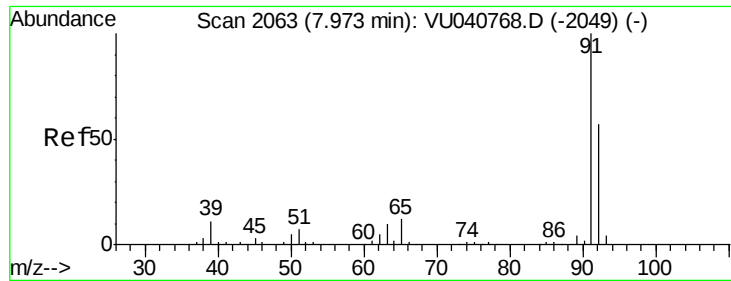
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#34
Trichloroethene
Concen: 1.623 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040780.D
Acq: 17 Oct 2020 22:46

Tgt Ion: 95 Resp: 17127
Ion Ratio Lower Upper
95 100
97 69.8 45.5 84.5
132 92.8 67.5 125.4
130 104.2 69.9 129.9





#42

Toluene

Concen: 0.176 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040780.D

Acq: 17 Oct 2020 22:46

Instrument :

MSVOA_U

ClientSampled :

ETZ56

Tot Ion: 91 Resp: 7289

Ion Ratio Lower Upper

91 100

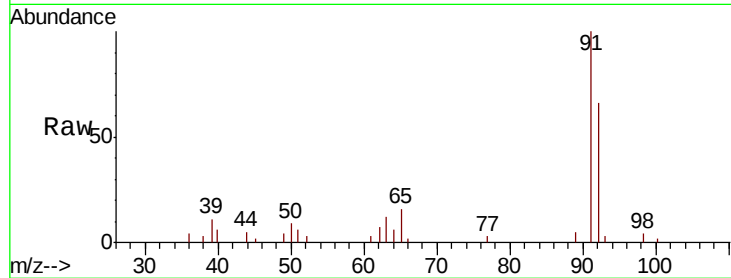
92 66.4 40.2 74.6

Manual Integrations

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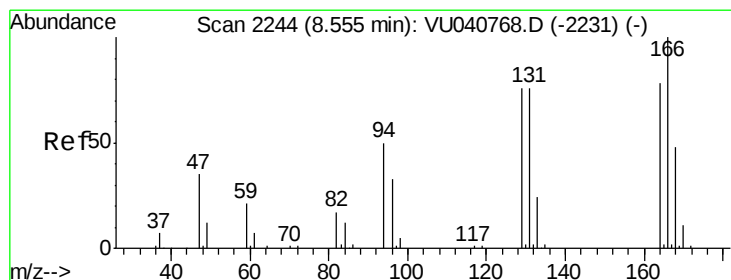
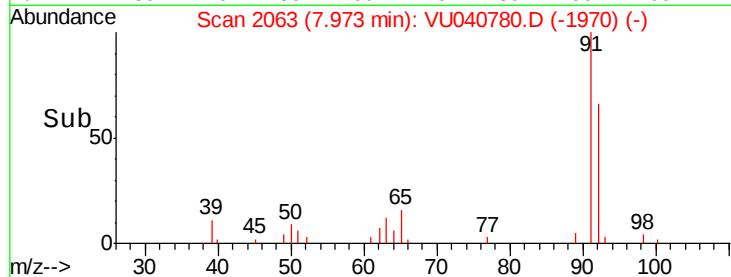
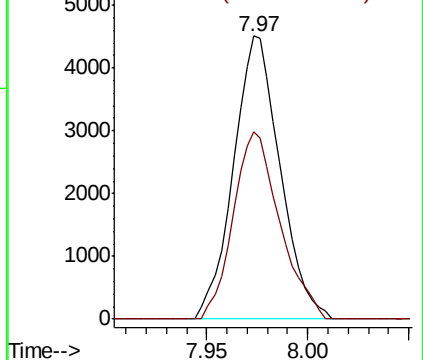
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Abundance Ion 91.15 (90.85 to 91.85): VU040780.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040780.D (-2049) (-)



#47

Tetrachloroethene

Concen: 0.949 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040780.D

Acq: 17 Oct 2020 22:46

Tgt Ion: 164 Resp: 7144

Ion Ratio Lower Upper

164 100

129 100.8 68.8 127.8

131 102.2 66.7 123.9

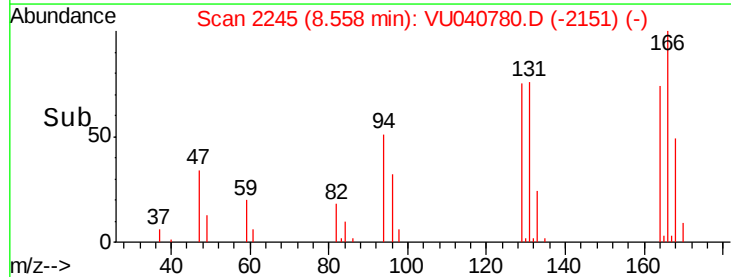
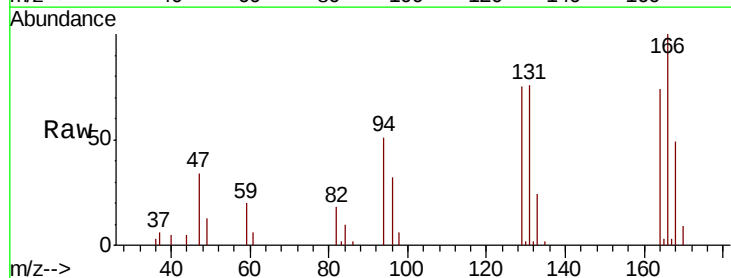
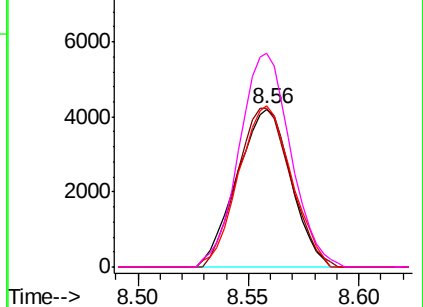
166 135.3 83.9 155.7

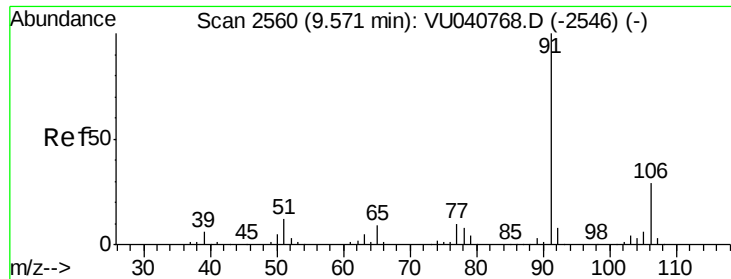
Abundance Ion 163.90 (163.60 to 164.60): VU040780.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040780.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040780.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040780.D (-2231) (-)





#52

Ethylbenzene

Concen: 0.045 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040780.D

Acq: 17 Oct 2020 22:46

Tot Ion: 91 Resp: 2002

Ion Ratio Lower Upper

91 100

106 33.7 20.7 38.5

Instrument :

MSVOA_U

ClientSampled :

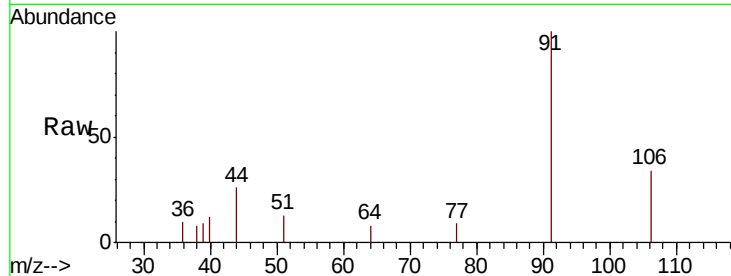
ETZ56

Manual Integrations

APPROVED

MMDadoda

10/26/2020 4:04:48 PM



Abundance Ion 91.15 (90.85 to 91.85): VU040780.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040780.D (-2546) (-)

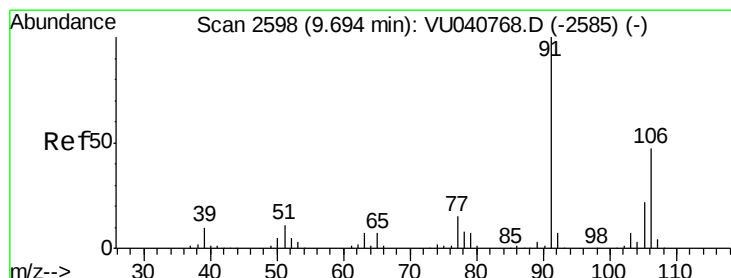
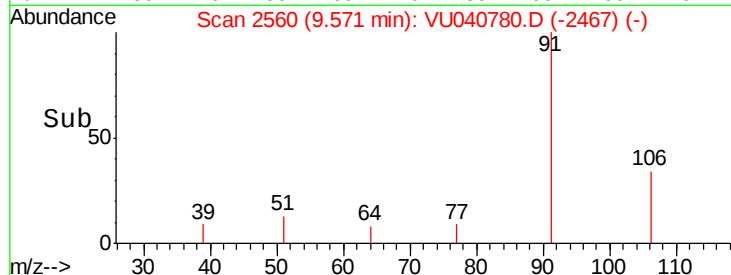
1500

1000

500

0

9.52 9.54 9.56 9.58 9.60



#53

m,p-Xylene

Concen: 0.133 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040780.D

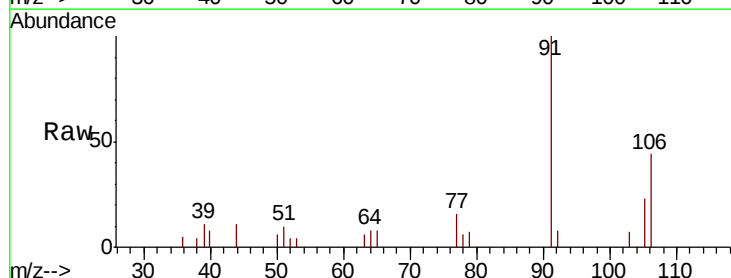
Acq: 17 Oct 2020 22:46

Tgt Ion: 106 Resp: 2182

Ion Ratio Lower Upper

106 100

91 228.8 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040780.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU040780.D (-2598) (-)

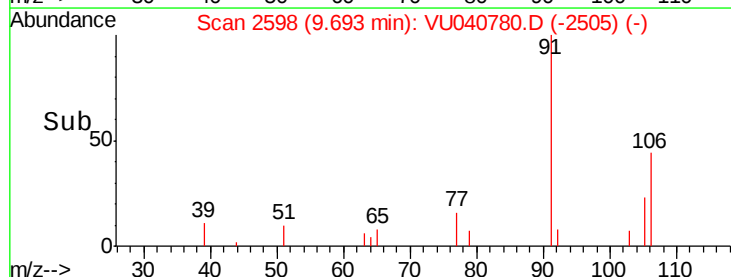
3000

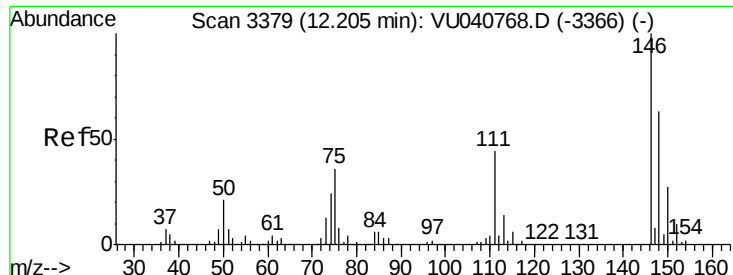
2000

1000

0

9.65 9.70





#65
 1,2-Dichlorobenzene
 Concen: 0.063 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040780.D
 Acq: 17 Oct 2020 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ56

Tot Ion:	146	Resp:	1053
Ion Ratio	Lower	Upper	
146	100		
111	46.2	34.4	51.6
148	44.6	50.0	75.0

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:04:48 PM

