

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040786.D
 Acq On : 18 Oct 2020 01:04
 Operator : SY/MD
 Sample : L4354-18
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:12:16 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	115740	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123009	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31577	3.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.80%
7) Chloroethane-d5	1.93	69	32597	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.58	63	54715	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.66	46	180313	58.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.50%
24) Chloroform-d	5.08	84	79939	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.72	65	52792	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.75	84	140477	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	51313	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.91	98	108187	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloropropene-	8.19	79	18019	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.64	63	115764	48.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50032	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47511	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1599	0.163 ug/L #	71
5) Vinyl chloride	1.61	62	11615	1.125 ug/L #	1
8) Chloroethane	1.96	64	1341	0.204 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	465	0.048 ug/L #	46
12) 1,1-Dichloroethene	2.58	96	541	0.066 ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	1886	0.081 ug/L #	66
18) trans-1,2-Dichloroethene	3.37	96	1037	0.120 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	54852	5.884 ug/L	91
25) Chloroform	5.11	83	2826	0.155 ug/L	92
27) 1,2-Dichloroethane	5.75	62	755	0.058 ug/L #	77
35) Methylcyclohexane	6.70	83	11710	0.806 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5662	0.514 ug/L #	87
44) trans-1,3-Dichloropropene	8.18	75	785	0.057 ug/L #	50
48) 2-Hexanone	8.64	43	16836	2.576 ug/L #	72
52) Ethylbenzene	9.57	91	1904	0.044 ug/L	96
53) m,p-Xylene	9.69	106	2823	0.178 ug/L	85
59) 1,2,3-Trichloropropane	11.81	75	6434	0.795 ug/L	90

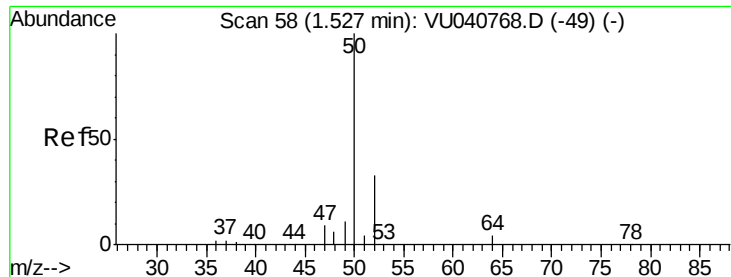
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101720\
Data File : VU040786.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3

Chloromethane

Concen: 0.163 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040786.D

Acq: 18 Oct 2020 01:04

Instrument :

MSVOA_U

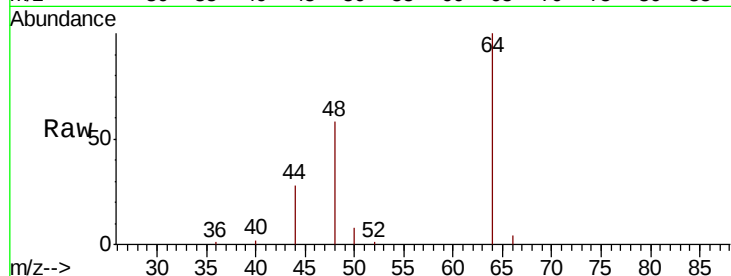
ClientSampled :

Tot Ion: 50 Resp: 1599

Ion Ratio Lower Upper

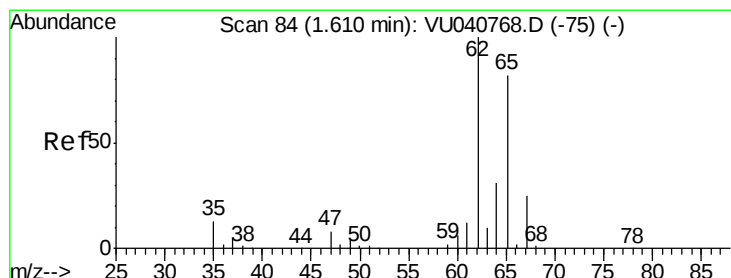
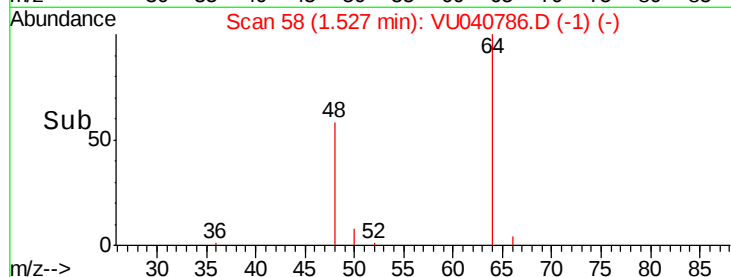
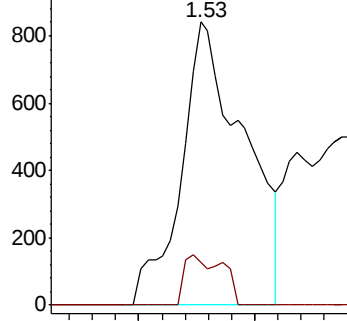
50 100

52 15.1 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 1.125 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040786.D

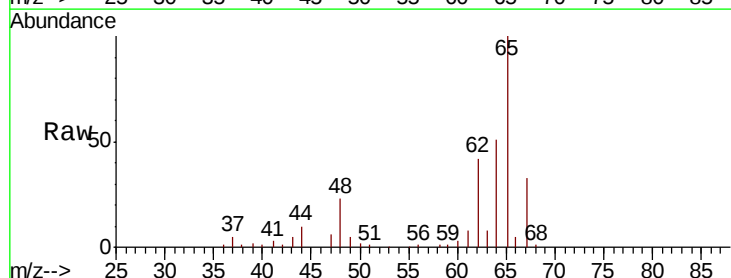
Acq: 18 Oct 2020 01:04

Tgt Ion: 62 Resp: 11615

Ion Ratio Lower Upper

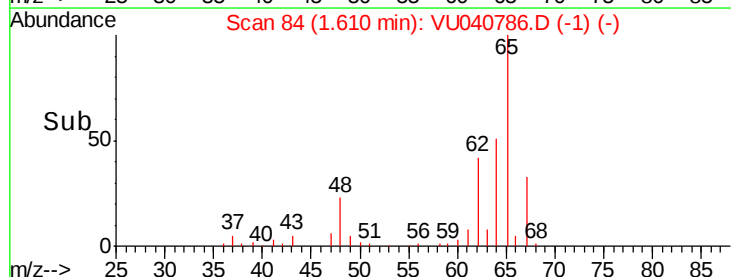
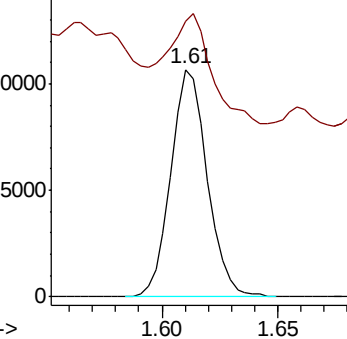
62 100

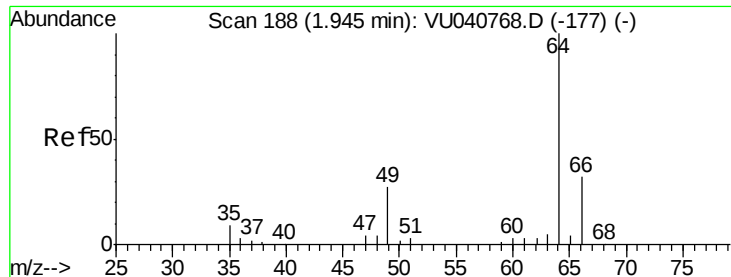
64 121.6 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

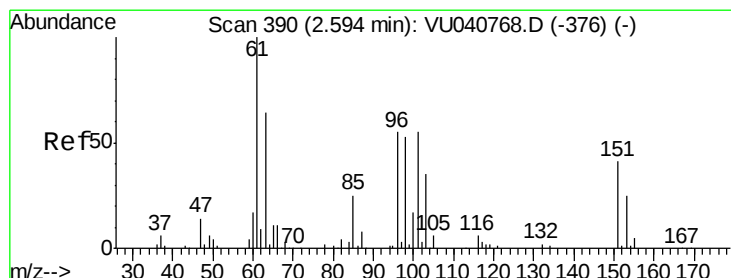
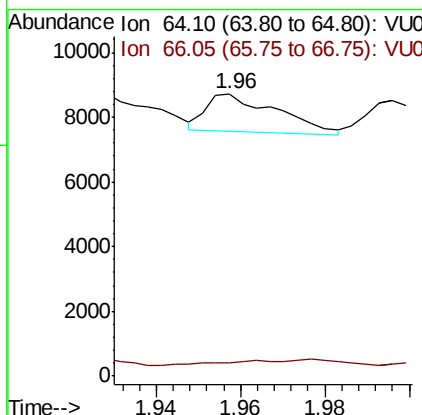
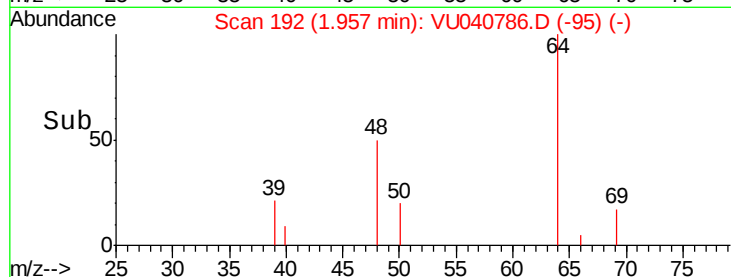
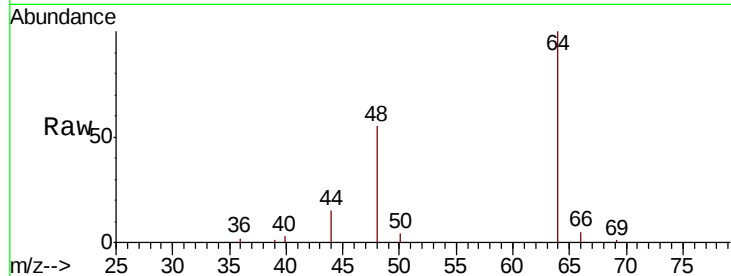




#8
Chloroethane
Concen: 0.204 ug/L
RT: 1.96 min Scan# 192
Delta R.T. 0.01 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

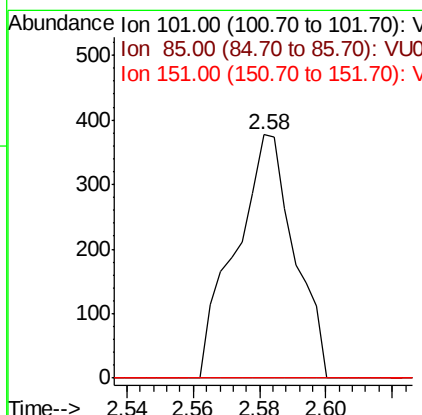
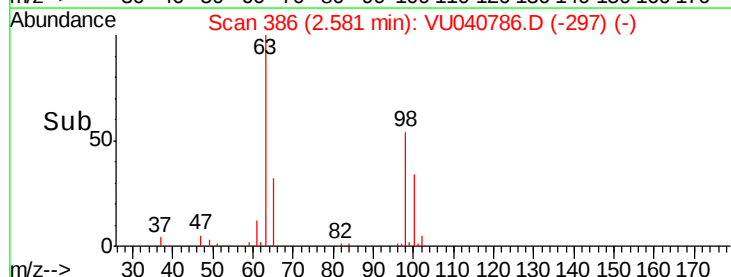
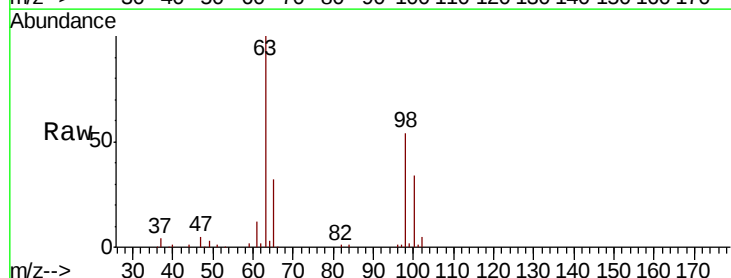
Instrument :
MSVOA_U
ClientSampled :

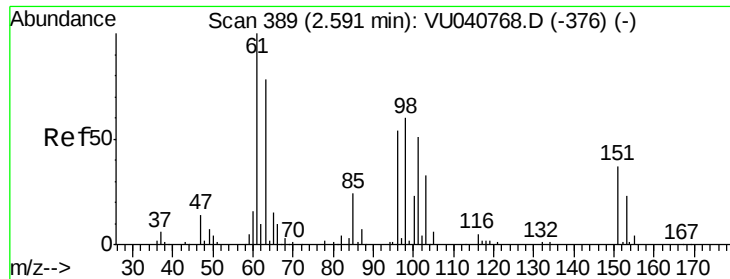
Tot Ion: 64 Resp: 1341
Ion Ratio Lower Upper
64 100
66 4.7 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.048 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

Tgt Ion:101 Resp: 465
Ion Ratio Lower Upper
101 100
85 47.7 36.7 55.1
151 0.0 58.0 87.0#

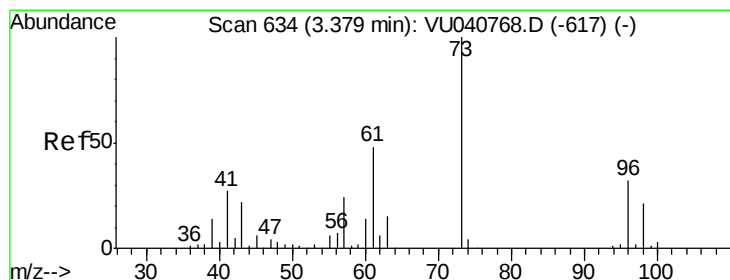
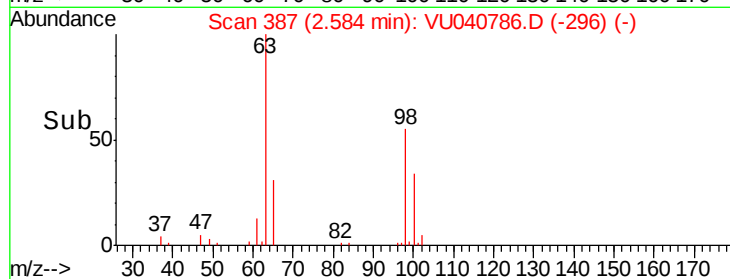
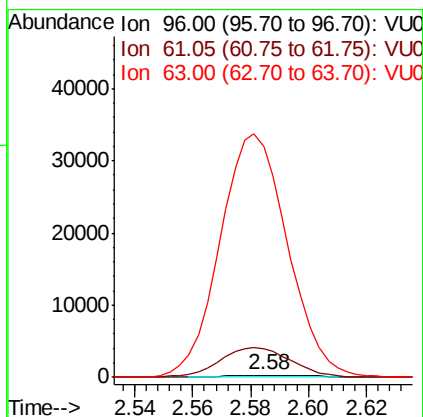
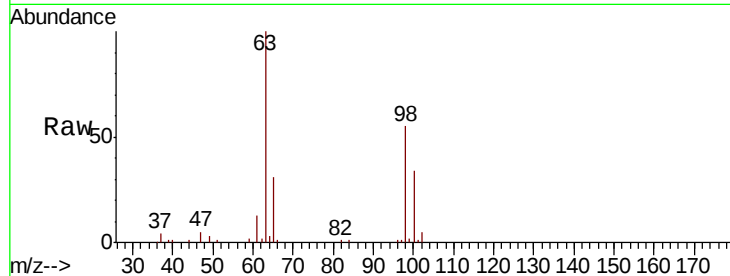




#12
 1,1-Dichloroethene
 Concen: 0.066 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU040786.D
 Acq: 18 Oct 2020 01:04

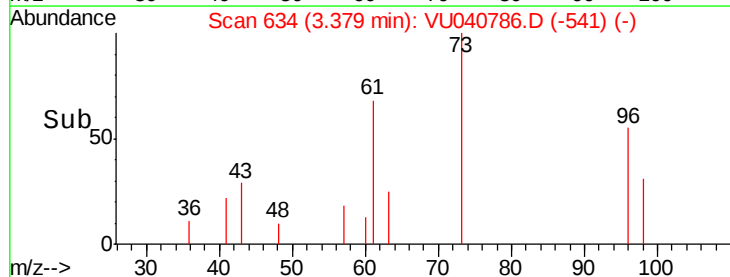
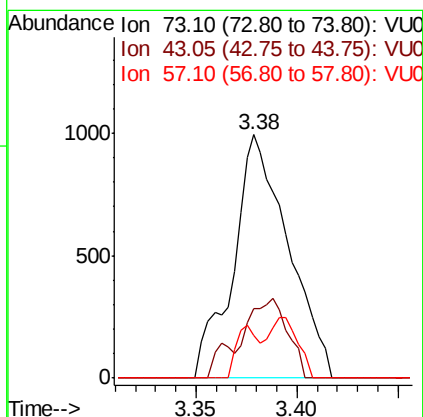
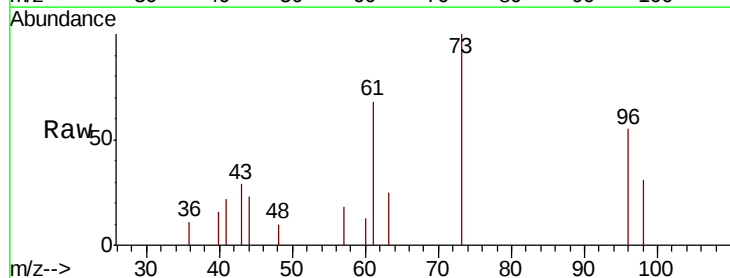
Instrument :
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 ClientSampleId :

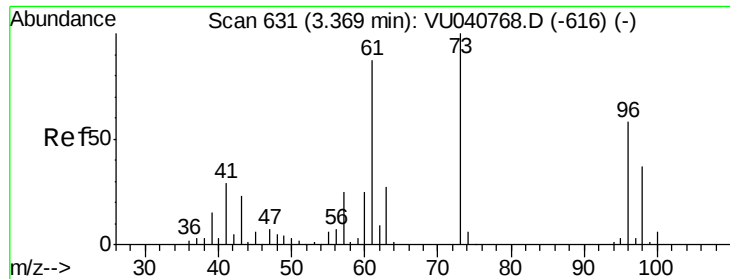
Tot Ion: 96 Resp: 541
 Ion Ratio Lower Upper
 96 100
 61 1291.4 128.8 239.2#
 63 10233.9 84.6 157.2#



#17
 Methyl tert-butyl Ether
 Concen: 0.081 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU040786.D
 Acq: 18 Oct 2020 01:04

Tgt Ion: 73 Resp: 1886
 Ion Ratio Lower Upper
 73 100
 43 4.8 18.2 27.4#
 57 8.6 18.6 28.0#

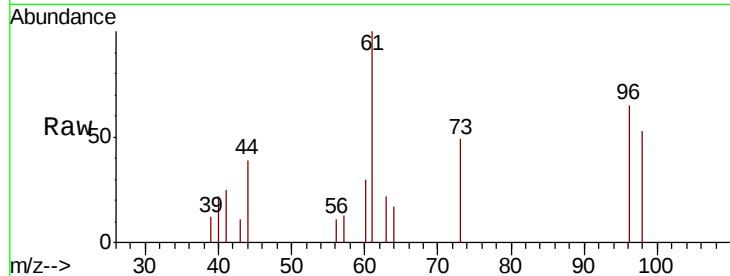




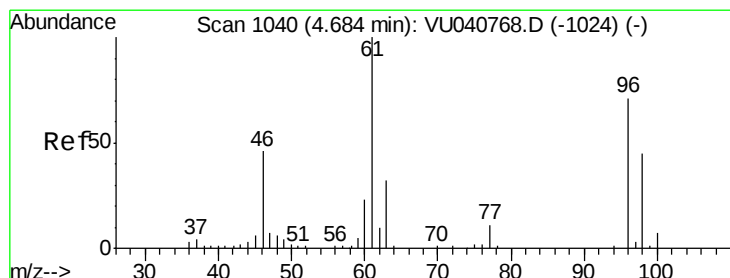
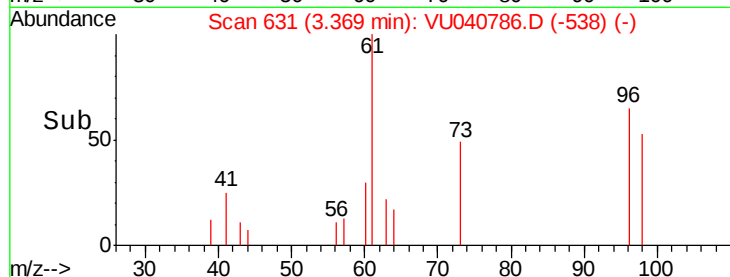
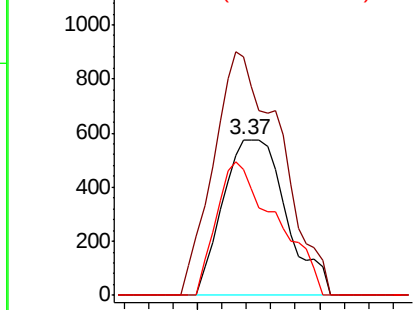
#18
 trans-1,2-Dichloroethene
 Concen: 0.120 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040786.D
 Acq: 18 Oct 2020 01:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 1037
 Ion Ratio Lower Upper
 96 100
 61 153.3 105.9 196.7
 98 80.7 43.8 81.3

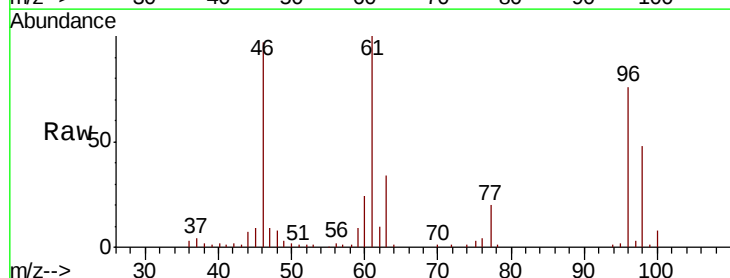


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

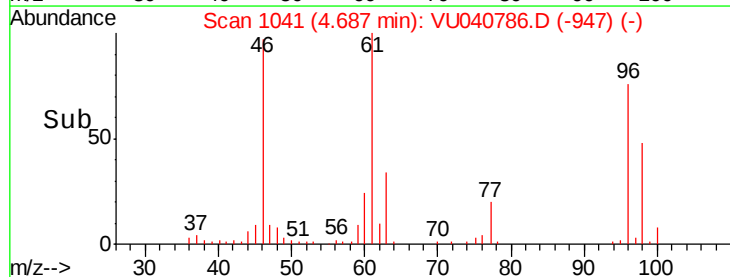
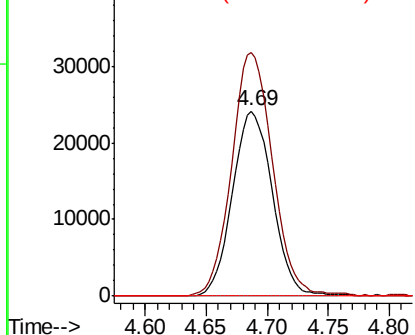


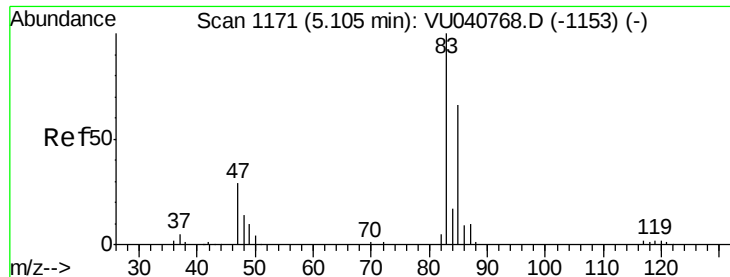
#22
 cis-1,2-Dichloroethene
 Concen: 5.884 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040786.D
 Acq: 18 Oct 2020 01:04

Tgt Ion: 96 Resp: 54852
 Ion Ratio Lower Upper
 96 100
 61 131.5 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

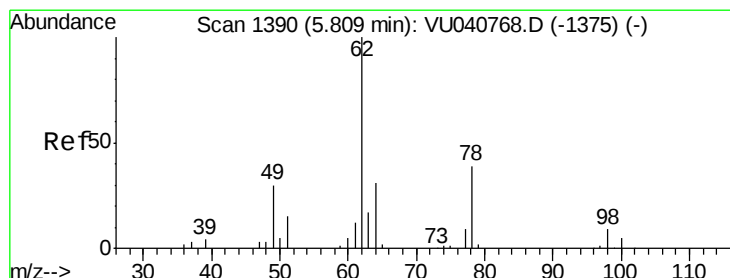
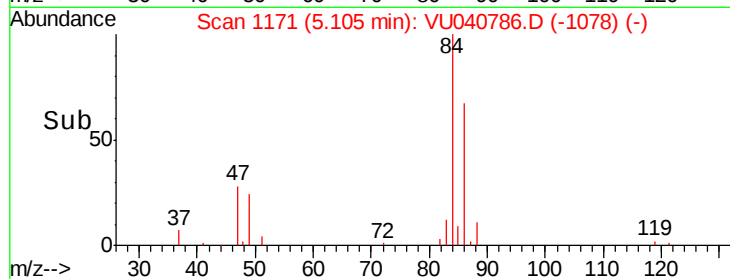
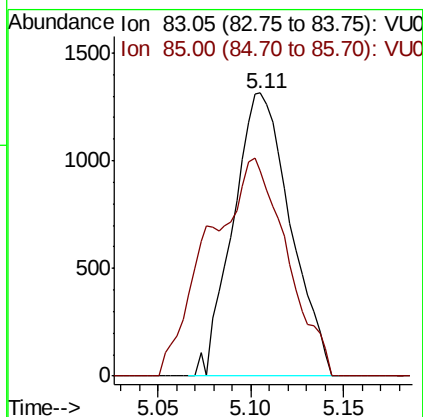
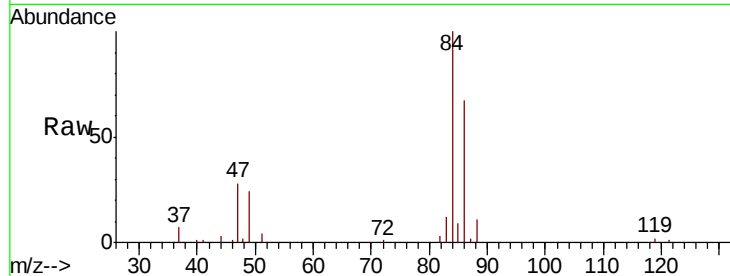




#25
Chloroform
Concen: 0.155 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

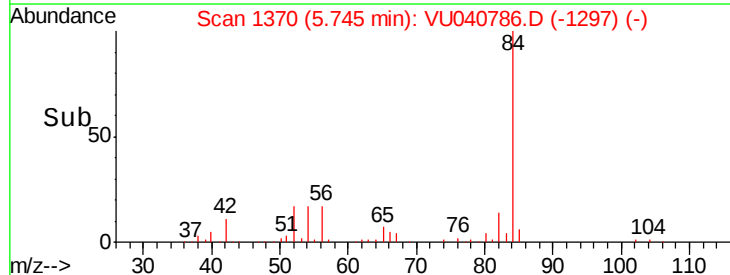
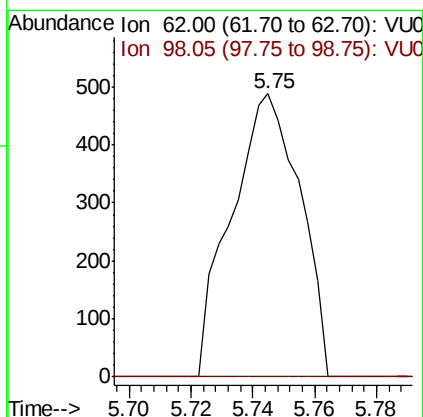
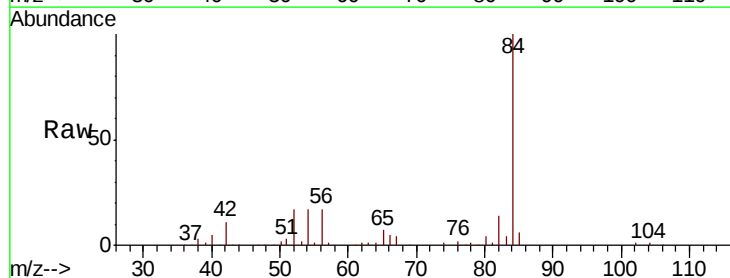
Instrument :
MSVOA_U
ClientSampleId :

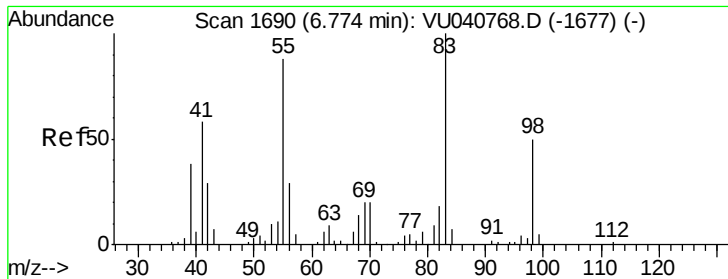
Tot Ion: 83 Resp: 2826
Ion Ratio Lower Upper
83 100
85 72.6 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.058 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

Tgt Ion: 62 Resp: 755
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

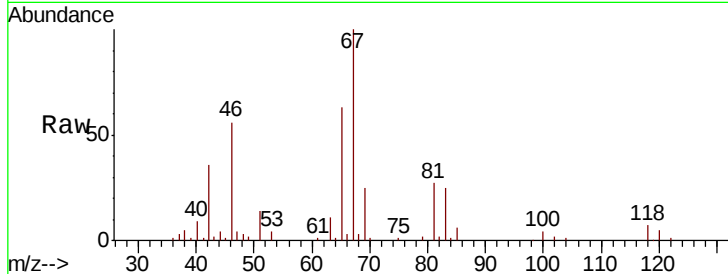




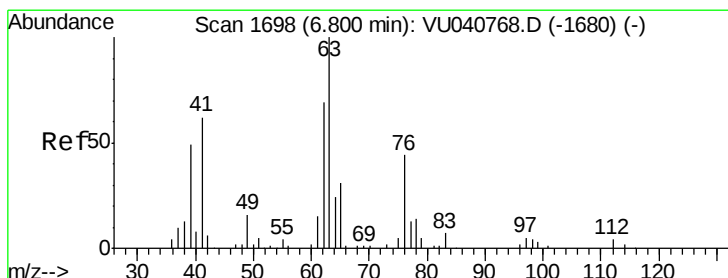
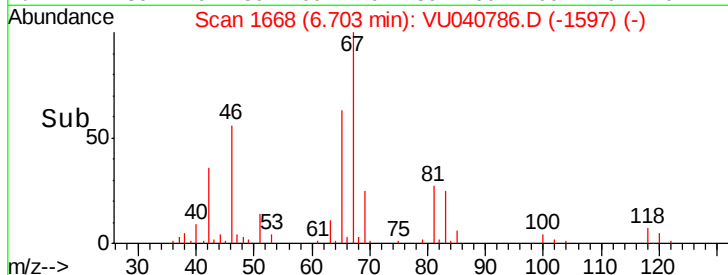
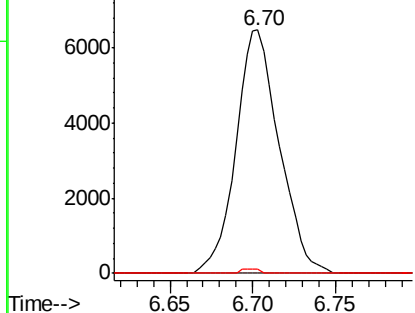
#35
Methvlcvclohexane
Concen: 0.806 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11710
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.8 38.4 57.6#

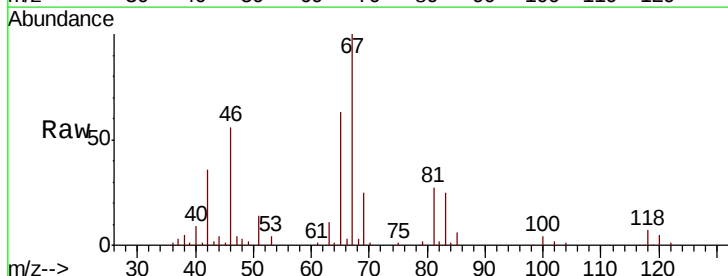


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

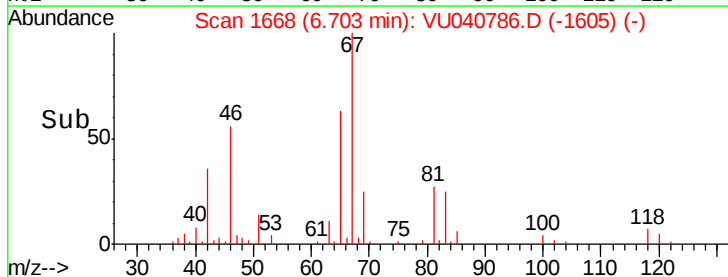
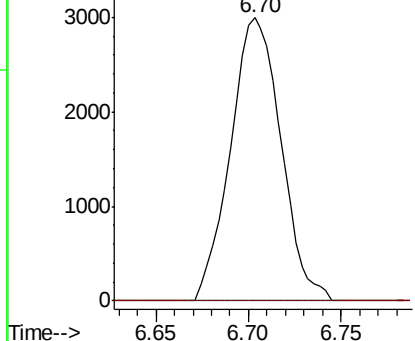


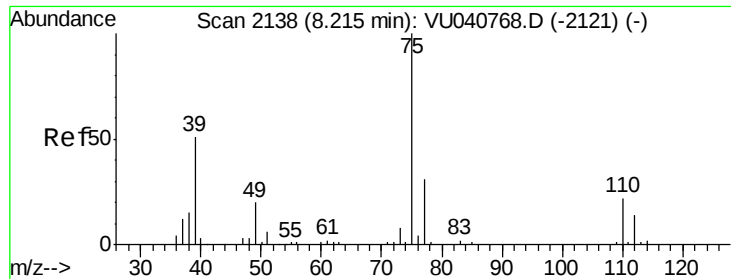
#37
1,2-Dichloropropane
Concen: 0.514 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

Tgt Ion: 63 Resp: 5662
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

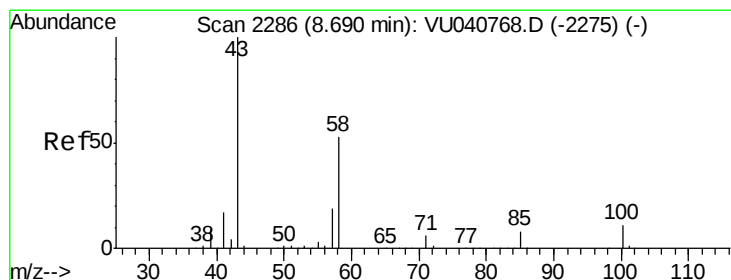
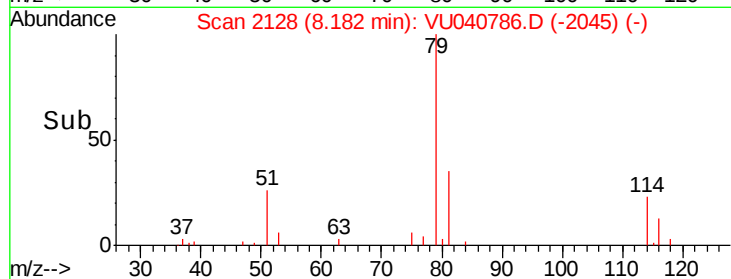
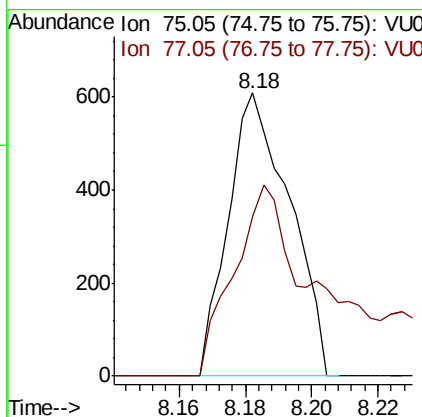
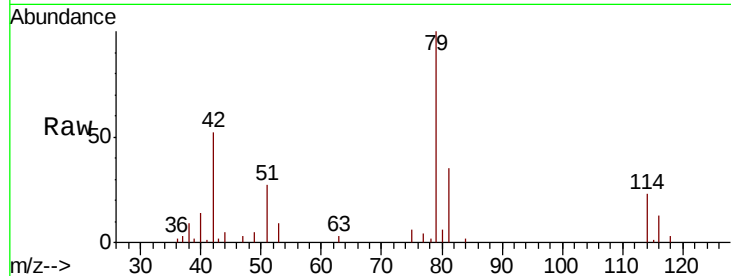




#44
trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

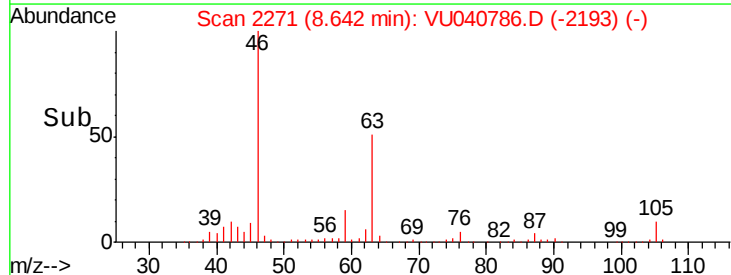
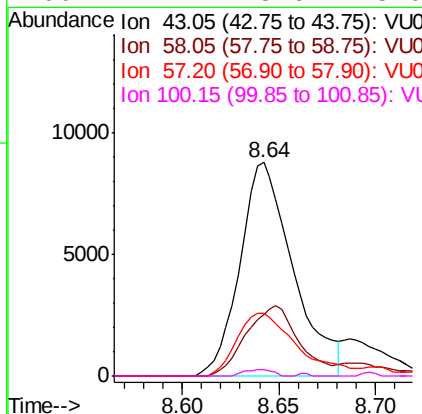
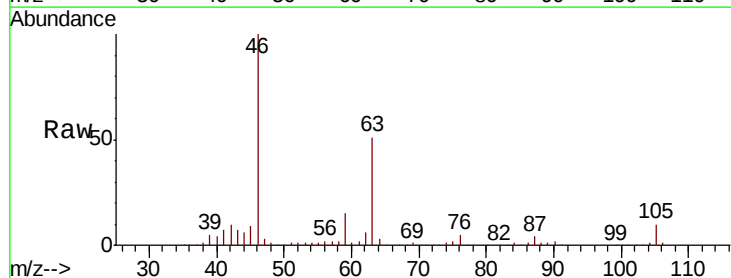
Instrument :
MSVOA_U
ClientSampleId :

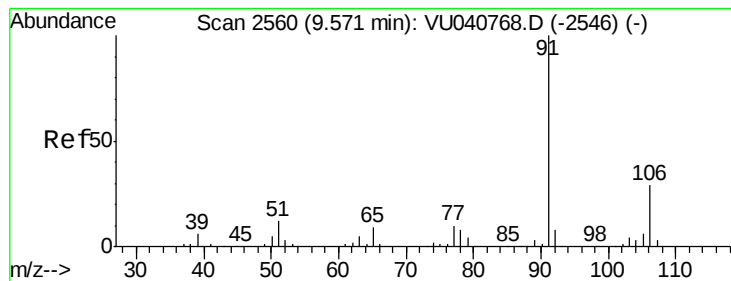
Tot Ion: 75 Resp: 785
Ion Ratio Lower Upper
75 100
77 56.1 20.4 38.0#



#48
2-Hexanone
Concen: 2.576 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040786.D
Acq: 18 Oct 2020 01:04

Tgt Ion: 43 Resp: 16836
Ion Ratio Lower Upper
43 100
58 32.4 41.0 61.6#
57 33.5 14.4 21.6#
100 1.7 8.6 13.0#





#52

Ethylbenzene

Concen: 0.044 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040786.D

Acq: 18 Oct 2020 01:04

Instrument :

MSVOA_U

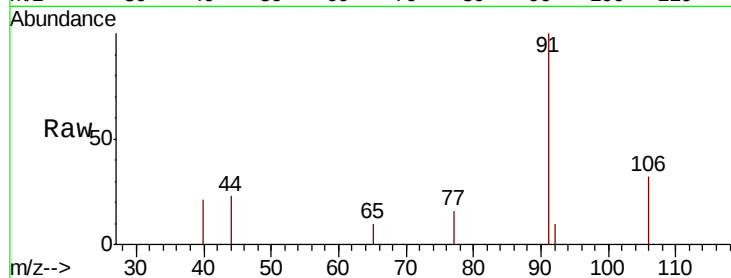
ClientSampled :

Tot Ion: 91 Resp: 1904

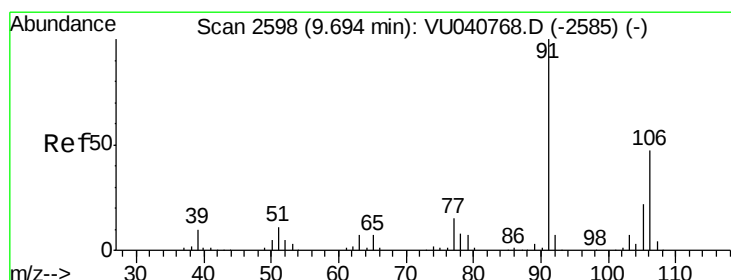
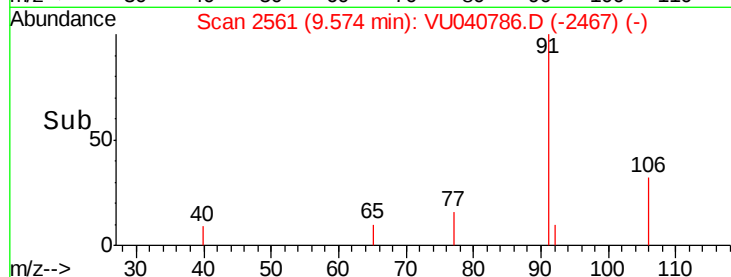
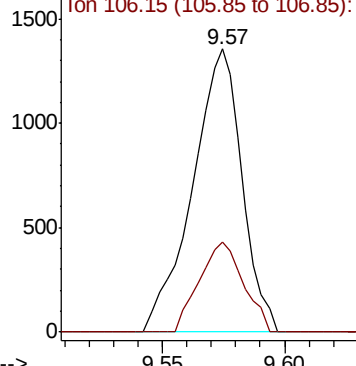
Ion Ratio Lower Upper

91 100

106 31.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040786.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.178 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040786.D

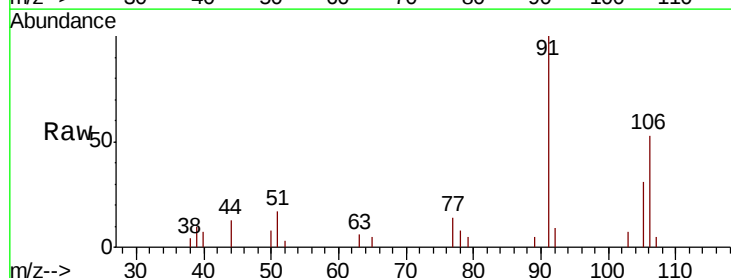
Acq: 18 Oct 2020 01:04

Tgt Ion: 106 Resp: 2823

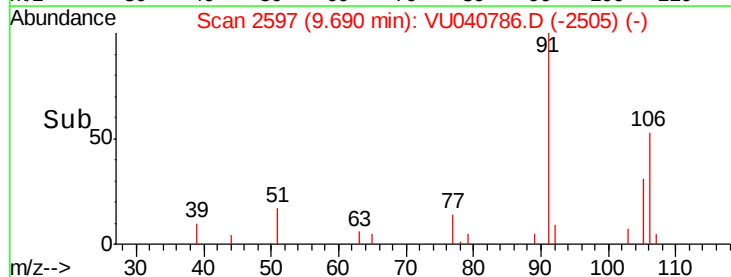
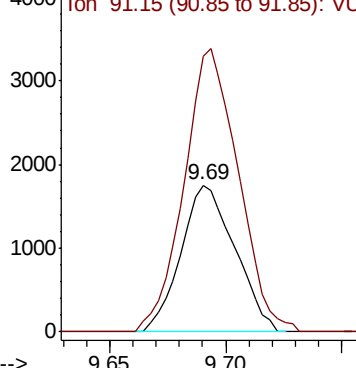
Ion Ratio Lower Upper

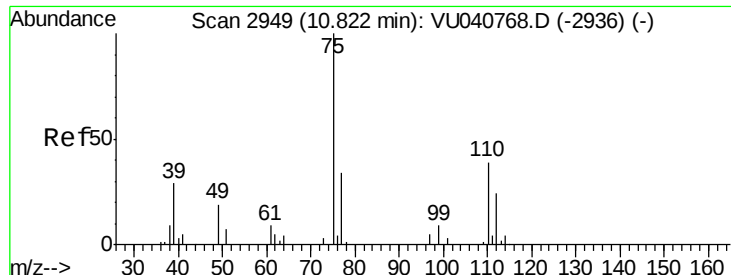
106 100

91 188.0 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040786.D (-2598) (-)





#59

1,2,3-Trichloropropane

Concen: 0.795 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040786.D

Acq: 18 Oct 2020 01:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6434

Ion Ratio Lower Upper

75 100

77 38.4 26.4 39.6

