

Data File : VU028772.D
Acq On : 18 Dec 2018 16:10
Operator : MD/SY
Sample : J6471-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9H20

Quant Time: Dec 19 00:42:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 00:38:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187019	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	174301	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78054	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.38%
7) Chloroethane-d5	1.67	69	61213	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.50%
11) 1,1-Dichloroethene-d2	2.27	63	98795	32.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.16%
21) 2-Butanone-d5	4.17	46	118551	84.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.52%
24) Chloroform-d	4.65	84	119544	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.50%
26) 1,2-Dichloroethane-d4	5.31	65	76989	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.48%
32) Benzene-d6	5.34	84	268396	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.50%
36) 1,2-Dichloropropane-d6	6.33	67	92697	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.57	98	234668	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%
43) trans-1,3-Dichloropropene-	7.85	79	39252	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.31	63	92526	97.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	122161	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	83425	55.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.30%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	2020	0.843 ug/L	98
8) Chloroethane	1.40	64	1039	0.875 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	870	0.669 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	742	0.602 ug/L #	1
13) Acetone	2.32	43	9015	5.749 ug/L	92
22) 2-Butanone	4.28	43	4244	2.292 ug/L	92
27) 1,2-Dichloroethane	5.34	62	1253	0.544 ug/L #	76
35) Methylcyclohexane	6.33	83	19526	7.669 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8832	4.752 ug/L #	91
39) cis-1,3-Dichloropropene	7.23	75	2079	0.788 ug/L #	74
42) Toluene	7.64	91	9960	1.577 ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	1328	0.546 ug/L	90
53) m,p-Xylene	9.37	106	3417	1.350 ug/L	98
54) o-xylene	9.78	106	1372	0.552 ug/L	87
59) 1,2,3-Trichloropropane	11.48	75	9119	4.342 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121818\
Quantitation Report (Not Reviewed)

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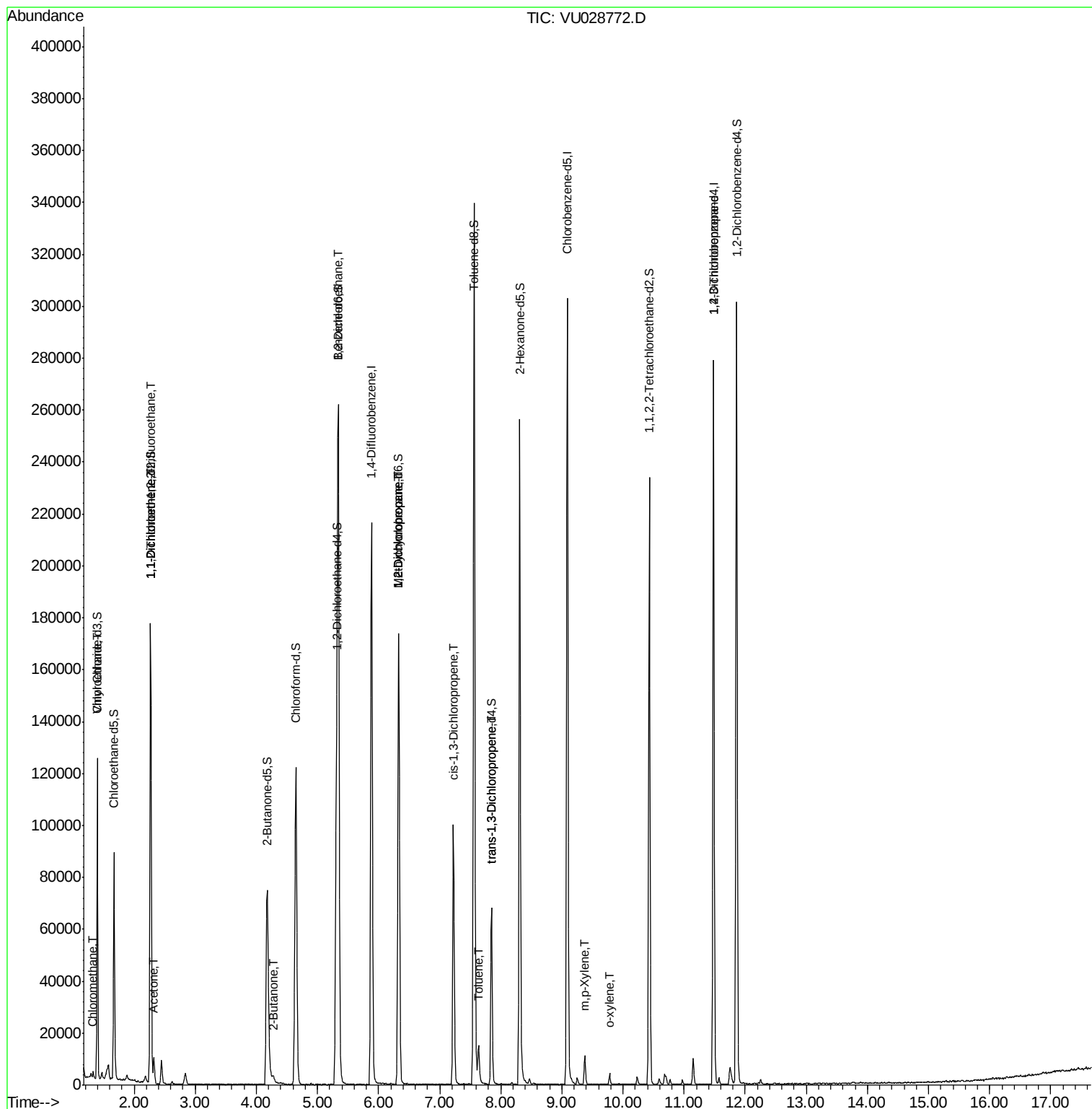
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

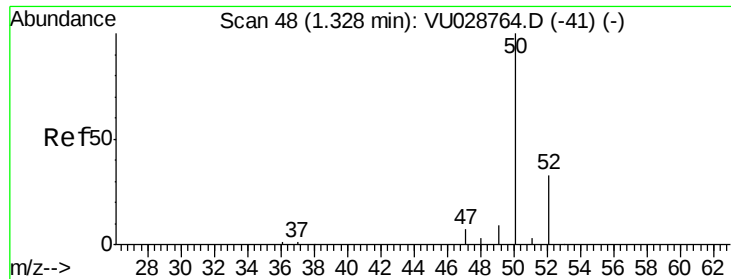
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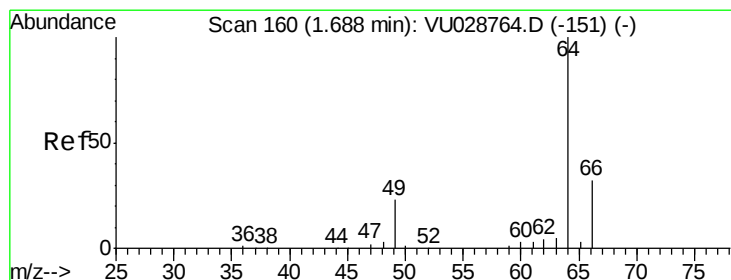
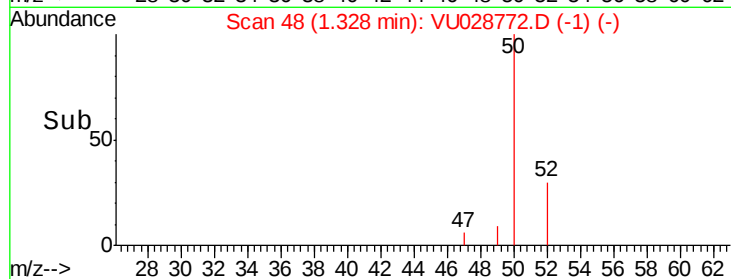
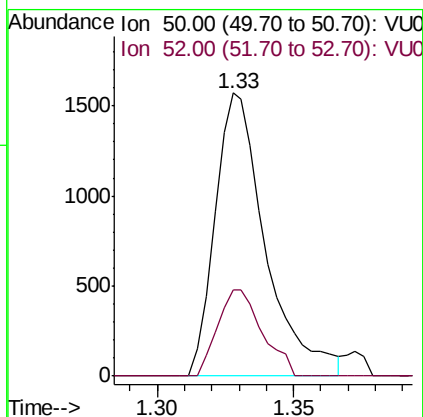
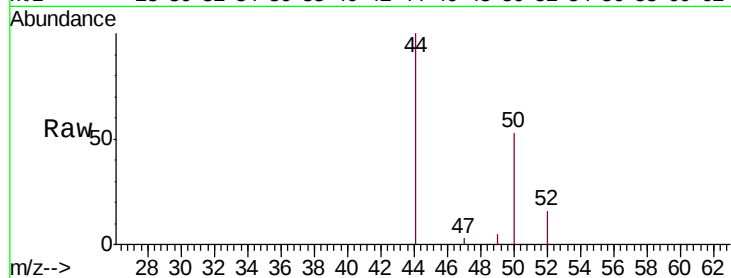




#3
Chloromethane
Concen: 0.843 ug/L
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028772.D
Acq: 18 Dec 2018 16:10

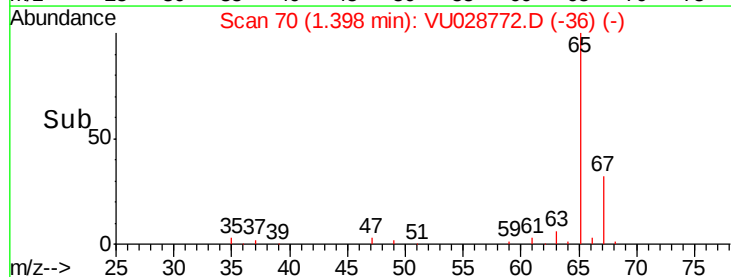
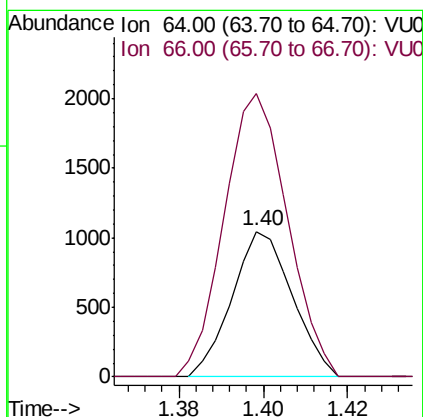
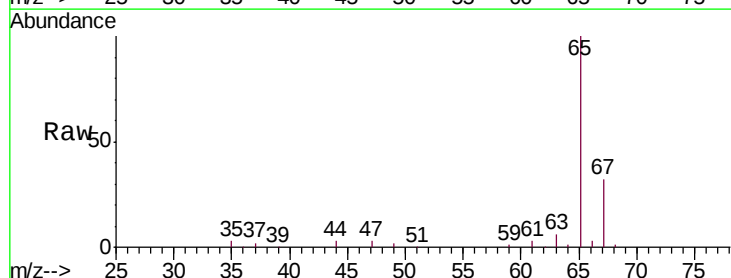
Instrument :
MSVOA_U
ClientSampleId :
F9H20

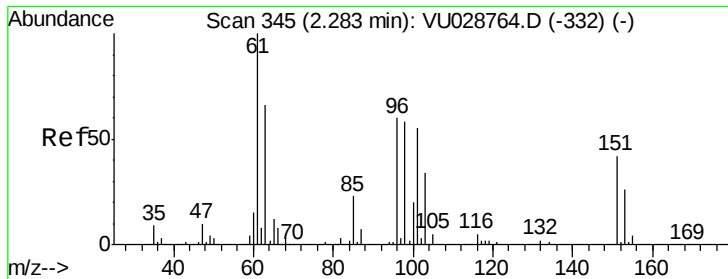
Tgt Ion: 50 Resp: 2020
Ion Ratio Lower Upper
50 100
52 30.3 22.0 41.0



#8
Chloroethane
Concen: 0.875 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028772.D
Acq: 18 Dec 2018 16:10

Tgt Ion: 64 Resp: 1039
Ion Ratio Lower Upper
64 100
66 194.7 22.4 41.6#





#10

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

Concen: 0.669 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

F9H20

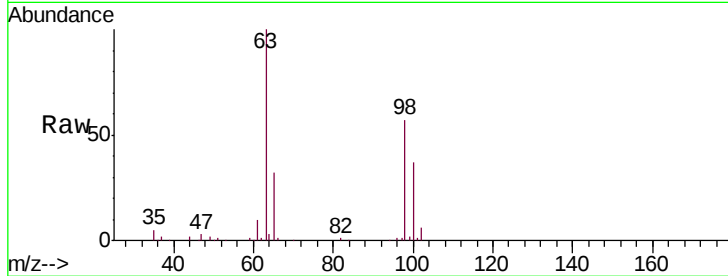
Tgt Ion:101 Resp: 870

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 55.8 83.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.27

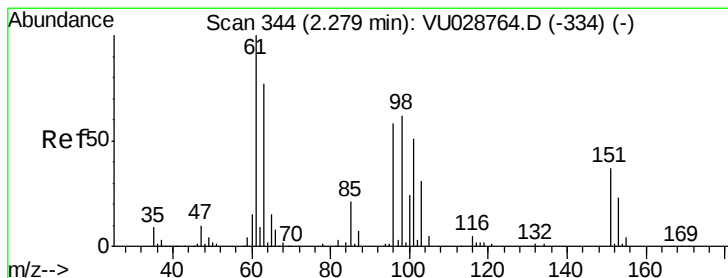
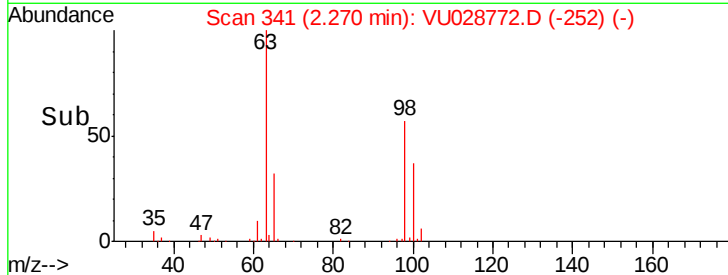
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.602 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

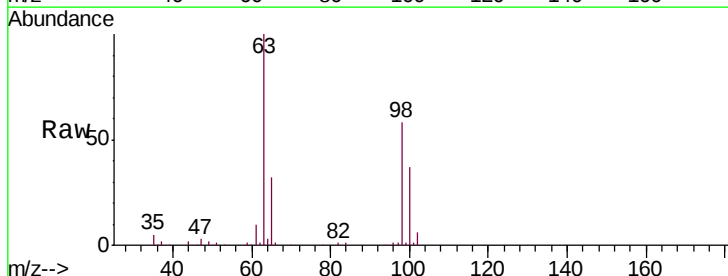
Tgt Ion: 96 Resp: 742

Ion Ratio Lower Upper

96 100

61 1228.9 143.2 266.0#

63 11903.9 130.1 241.7#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

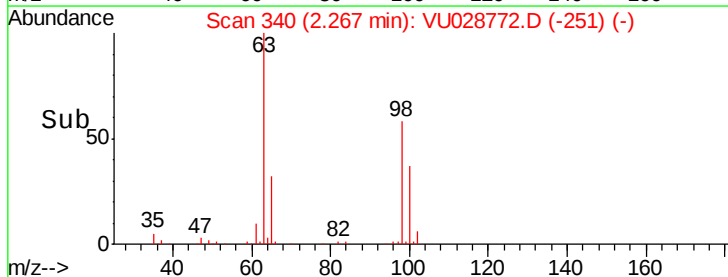
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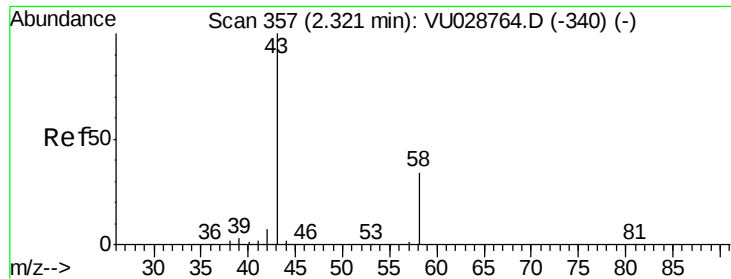
40000

20000

0

Time-->





#13

Acetone

Concen: 5.749 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

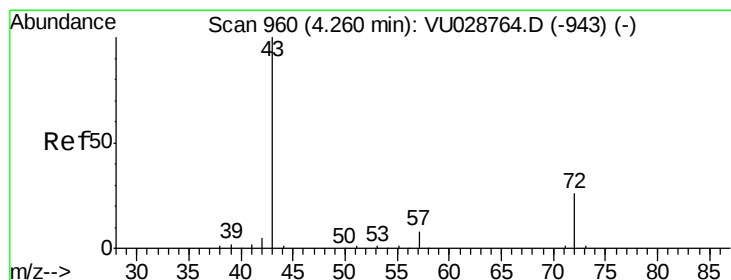
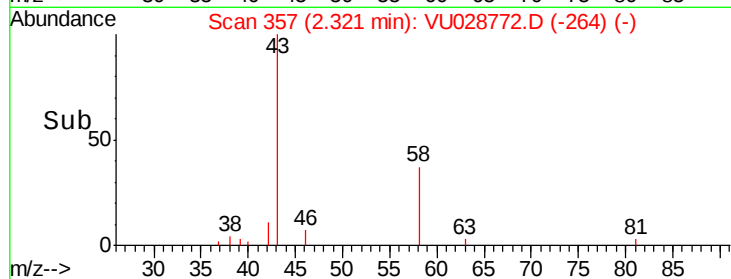
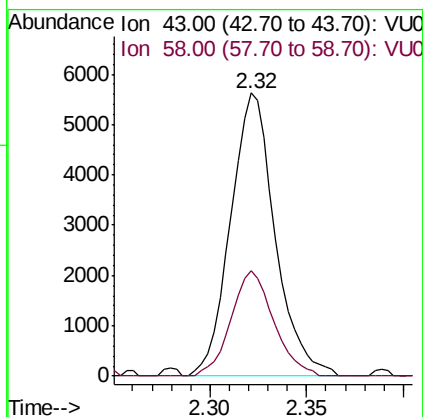
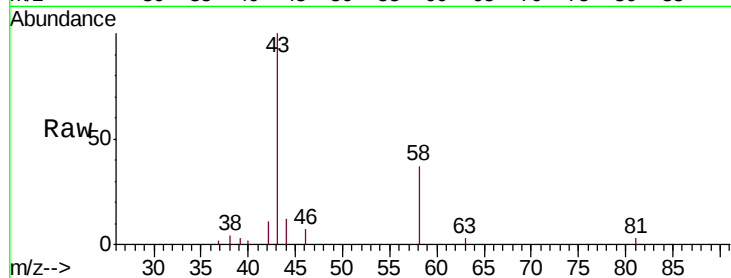
F9H20

Tgt Ion: 43 Resp: 9015

Ion Ratio Lower Upper

43 100

58 35.6 0.0 62.0



#22

2-Butanone

Concen: 2.292 ug/L

RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

Lab File: VU028772.D

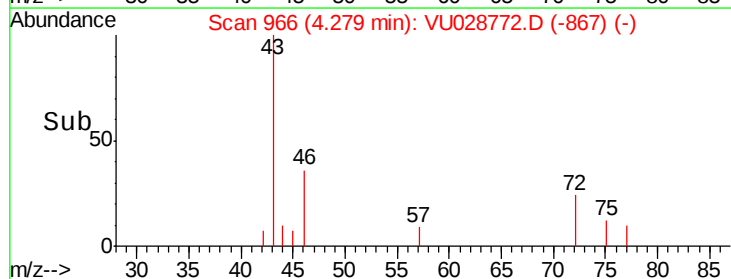
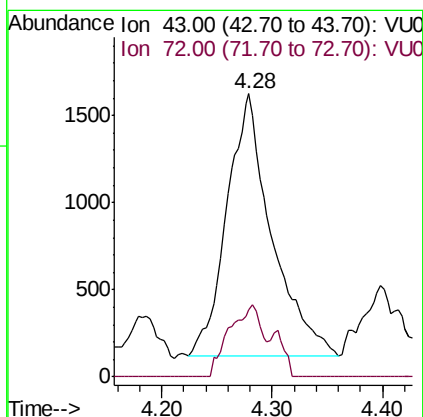
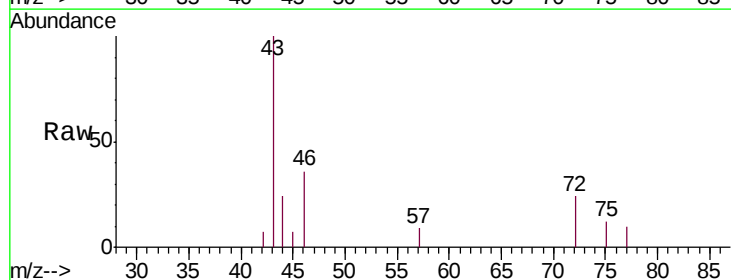
Acq: 18 Dec 2018 16:10

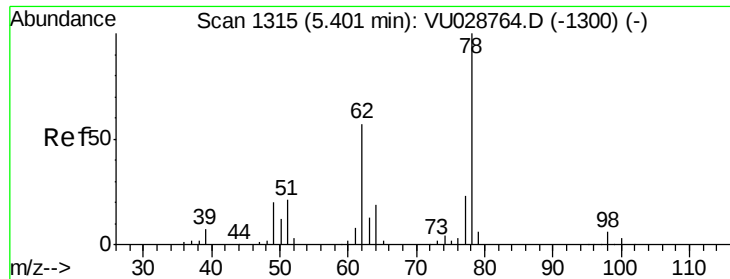
Tgt Ion: 43 Resp: 4244

Ion Ratio Lower Upper

43 100

72 19.9 11.9 35.5

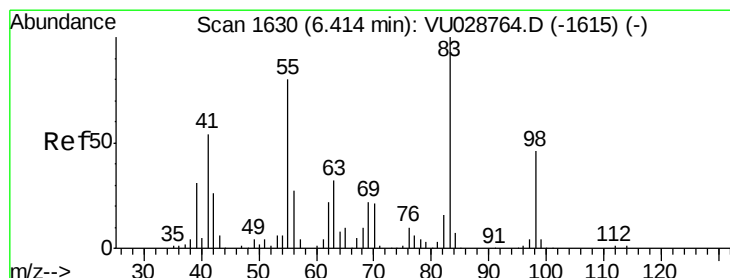
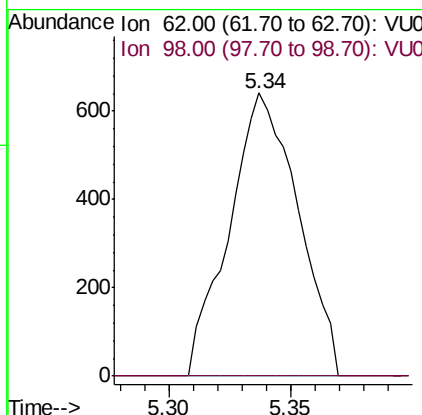
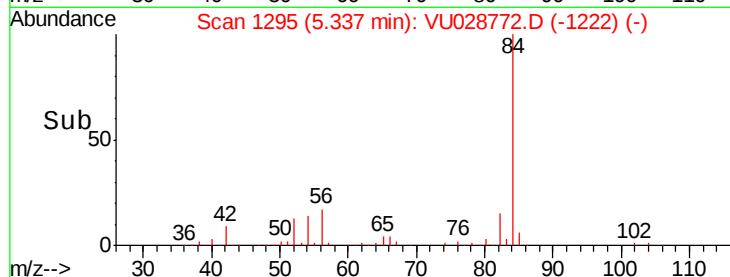
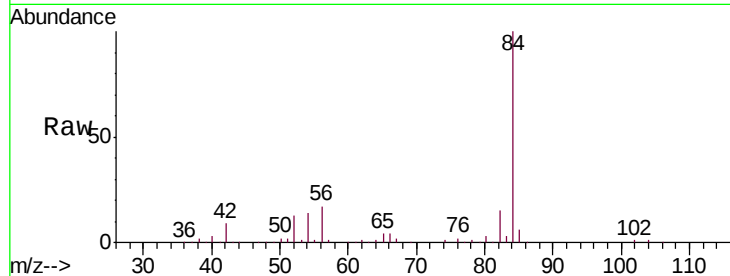




#27
 1,2-Dichloroethane
 Concen: 0.544 ug/L
 RT: 5.34 min Scan# 1295
 Delta R.T. -0.06 min
 Lab File: VU028772.D
 Acq: 18 Dec 2018 16:10

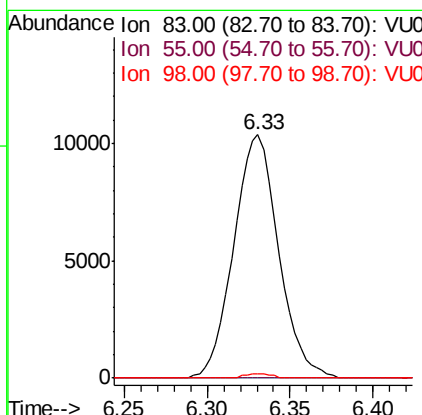
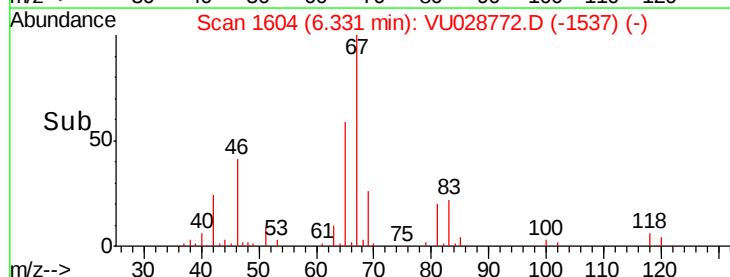
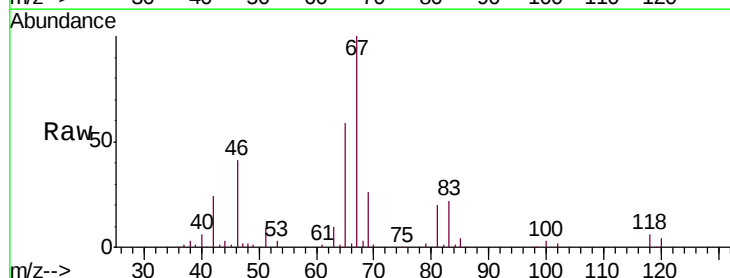
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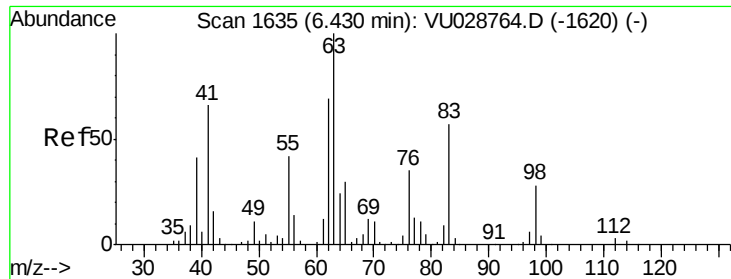
Tgt Ion: 62 Resp: 1253
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 7.669 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.08 min
 Lab File: VU028772.D
 Acq: 18 Dec 2018 16:10

Tgt Ion: 83 Resp: 19526
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.1 105.1#
 98 1.0 34.4 51.6#

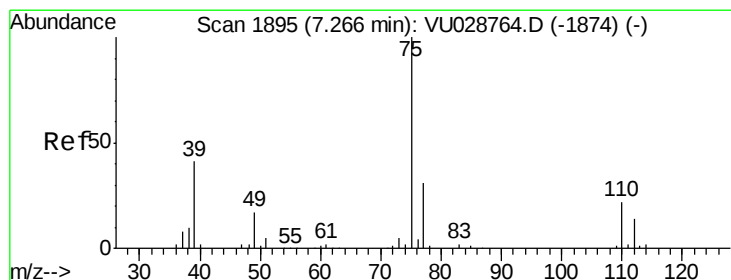
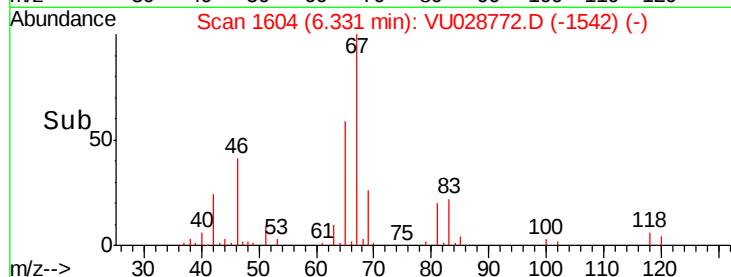
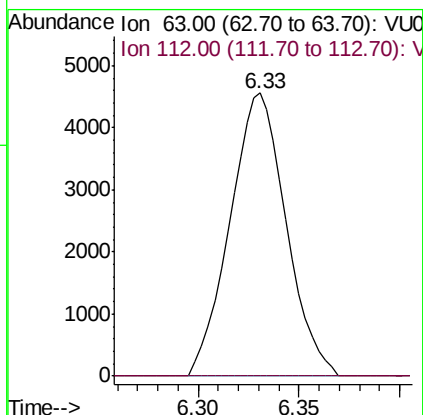
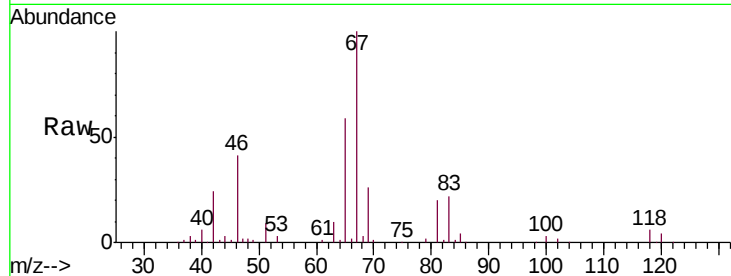




#37
 1,2-Dichloropropane
 Concen: 4.752 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028772.D
 Acq: 18 Dec 2018 16:10

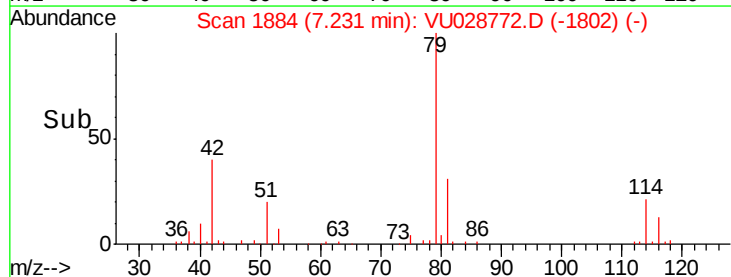
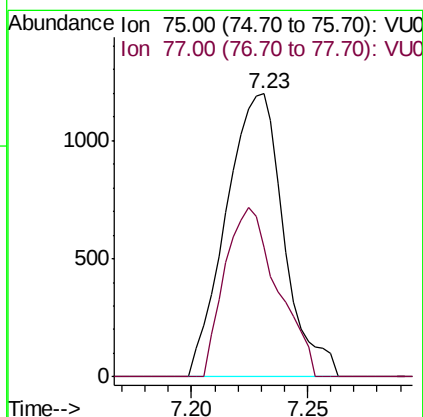
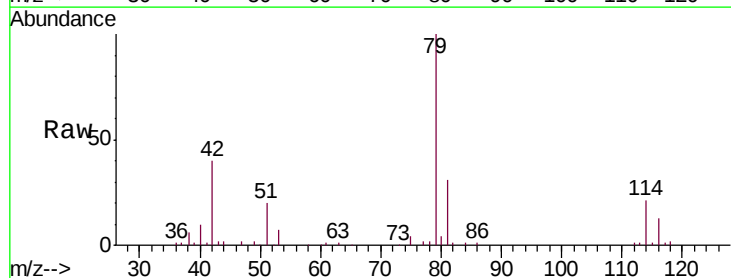
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 F9H20

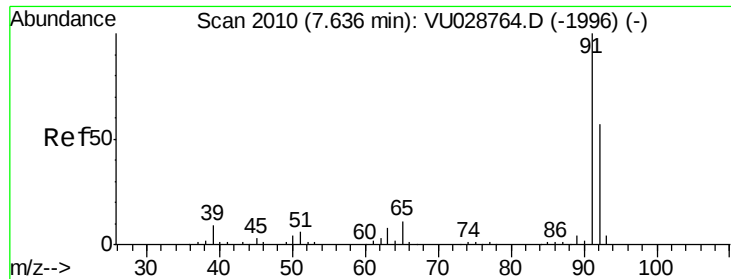
Tgt Ion: 63 Resp: 8832
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.4 3.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.788 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028772.D
 Acq: 18 Dec 2018 16:10

Tgt Ion: 75 Resp: 2079
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.8 40.6#





#42

Toluene

Concen: 1.577 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

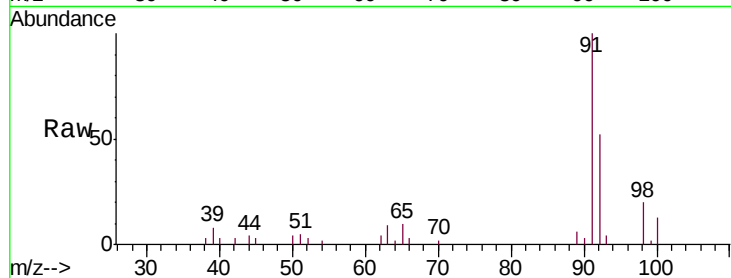
F9H20

Tgt Ion: 91 Resp: 9960

Ion Ratio Lower Upper

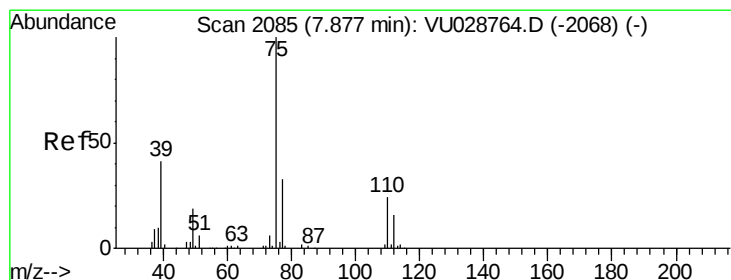
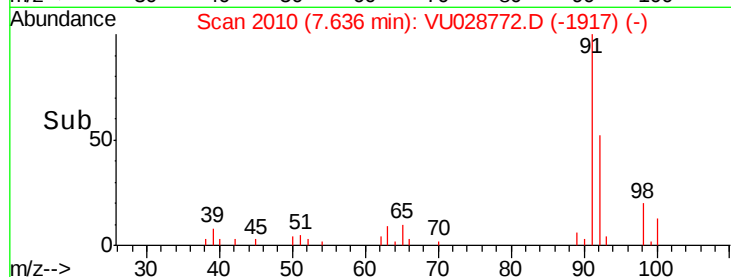
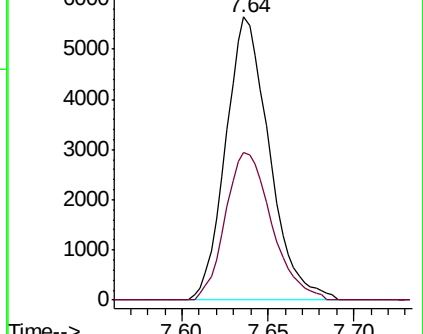
91 100

92 52.1 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.546 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028772.D

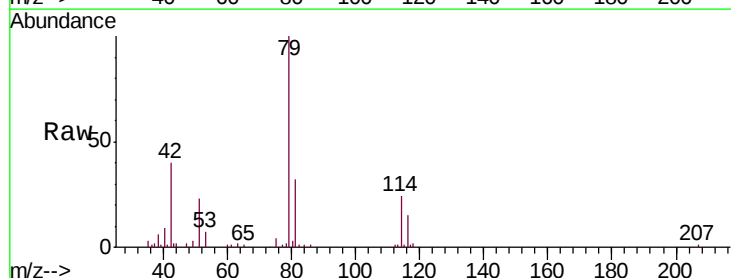
Acq: 18 Dec 2018 16:10

Tgt Ion: 75 Resp: 1328

Ion Ratio Lower Upper

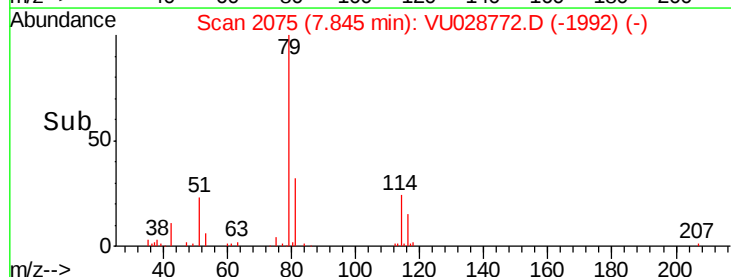
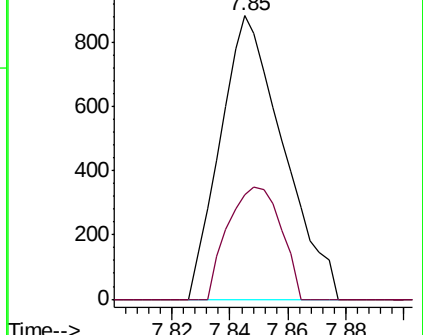
75 100

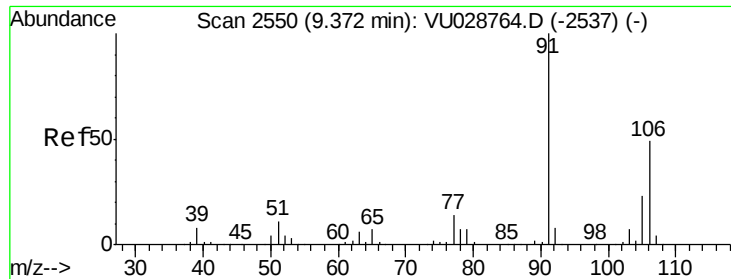
77 36.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#53

m,p-Xylene

Concen: 1.350 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

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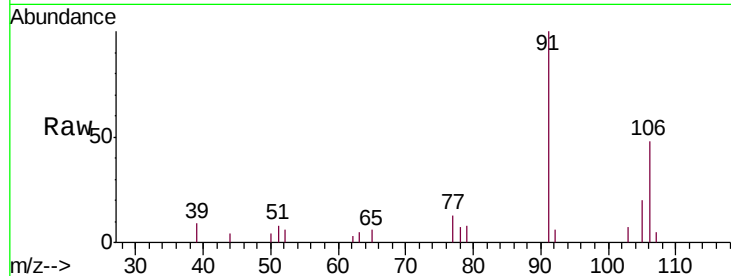
F9H20

Tgt Ion:106 Resp: 3417

Ion Ratio Lower Upper

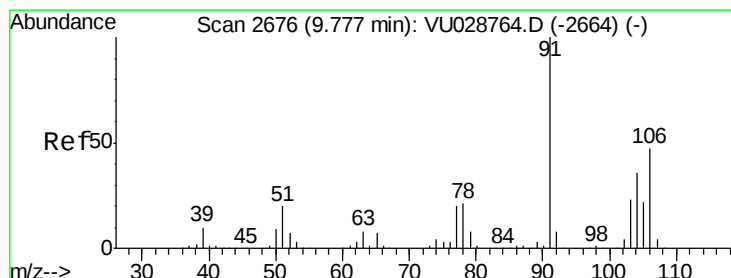
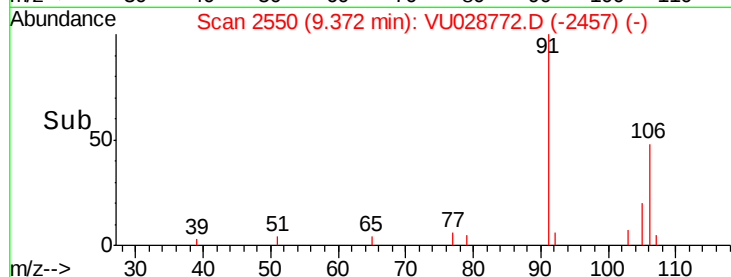
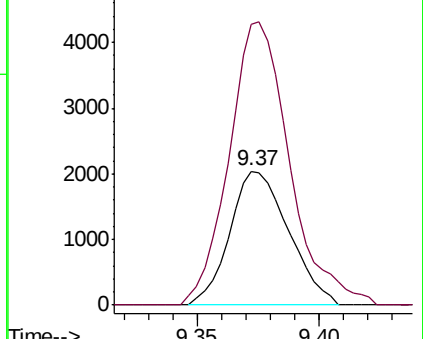
106 100

91 209.7 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 0.552 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028772.D

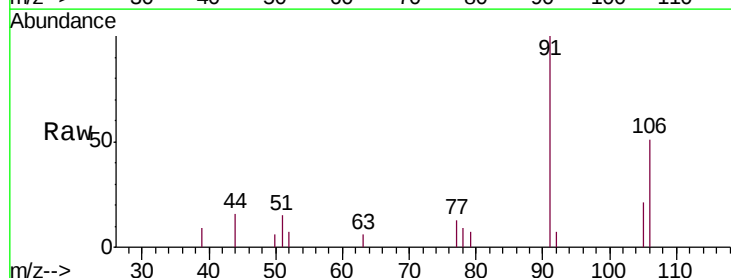
Acq: 18 Dec 2018 16:10

Tgt Ion:106 Resp: 1372

Ion Ratio Lower Upper

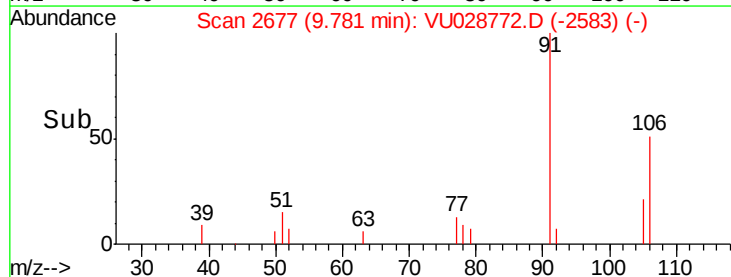
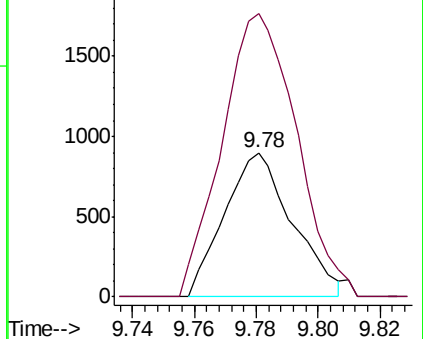
106 100

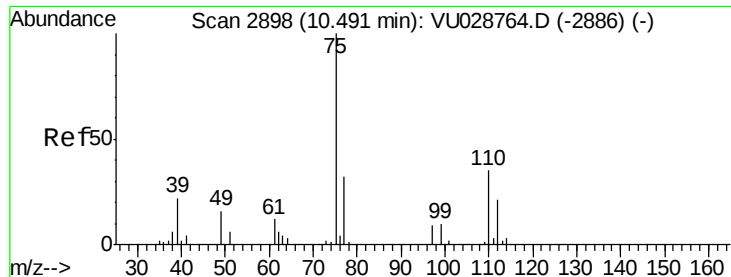
91 196.0 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.342 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028772.D

Acq: 18 Dec 2018 16:10

Instrument :

MSVOA_U

ClientSampleId :

F9H20

Tgt Ion: 75 Resp: 9119

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.2

