

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040605.D
 Acq On : 10 Oct 2020 00:10
 Operator : SY/MD
 Sample : L4352-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETYZ1

Quant Time: Oct 10 06:06:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131451	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133240	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56209	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	47655	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.92	69	39685	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.58	63	72361	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	181384	52.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.08%
24) Chloroform-d	5.08	84	94437	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	58183	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.75	84	173006	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	58708	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.91	98	138429	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	8.19	79	22131	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	127779	49.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51250	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55841	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2973	0.267 ug/L	91
8) Chloroethane	2.09	64	975	0.131 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	732	0.067 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	631	0.067 ug/L #	1
13) Acetone	2.67	43	1772	0.656 ug/L	75
27) 1,2-Dichloroethane	5.81	62	810	0.055 ug/L #	77
35) Methylcyclohexane	6.70	83	13941	0.886 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7084	0.594 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1654	0.101 ug/L #	48
44) trans-1,3-Dichloropropene	8.19	75	1066	0.071 ug/L #	66
48) 2-Hexanone	8.64	43	19683	2.780 ug/L #	70
52) Ethylbenzene	9.57	91	4706	0.100 ug/L	93
53) m,p-Xylene	9.69	106	7806	0.454 ug/L	94
54) o-Xylene	10.10	106	1869	0.113 ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	8142	0.929 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 05:58:50 2020
Response via : Initial Calibration

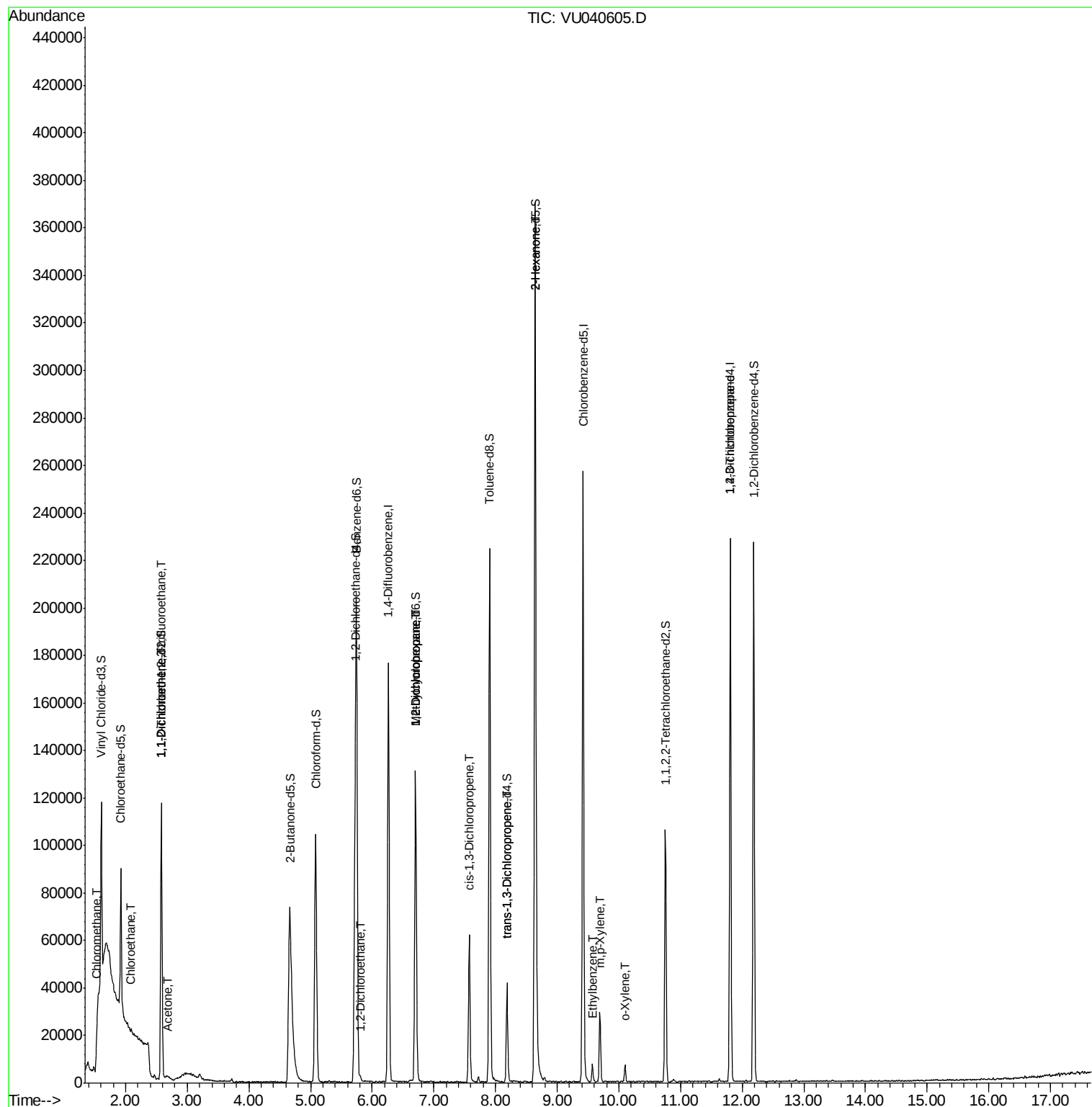
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

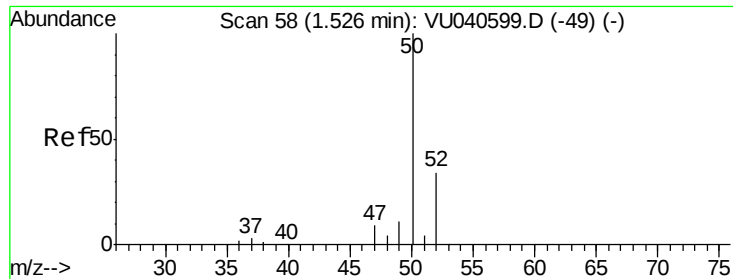
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.267 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

Instrument :

MSVOA_U

ClientSampleId :

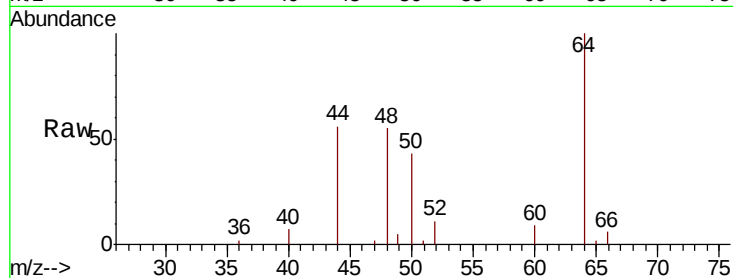
ETYZ1

Tot Ion: 50 Resp: 2973

Ion Ratio Lower Upper

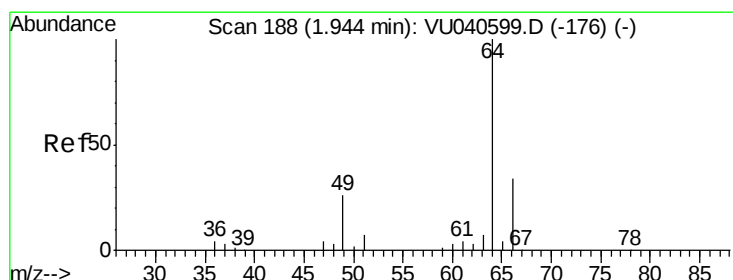
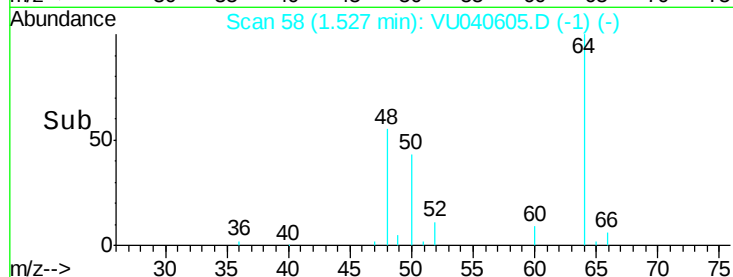
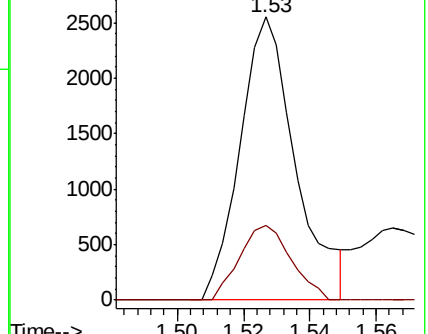
50 100

52 26.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040599.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040599.D (-49) (-)



#8

Chloroethane

Concen: 0.131 ug/L

RT: 2.09 min Scan# 233

Delta R.T. 0.14 min

Lab File: VU040605.D

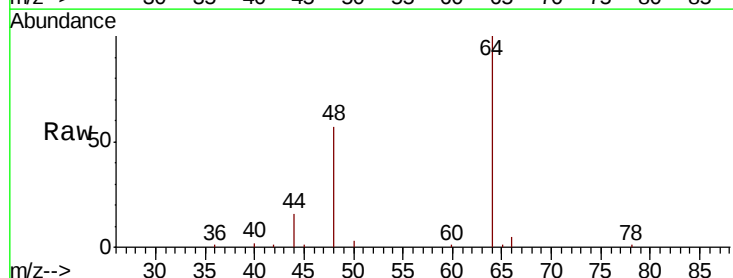
Acq: 10 Oct 2020 00:10

Tgt Ion: 64 Resp: 975

Ion Ratio Lower Upper

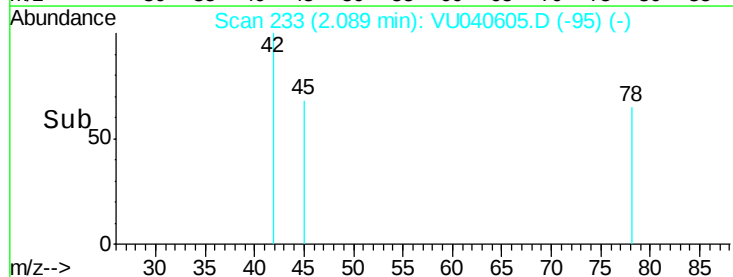
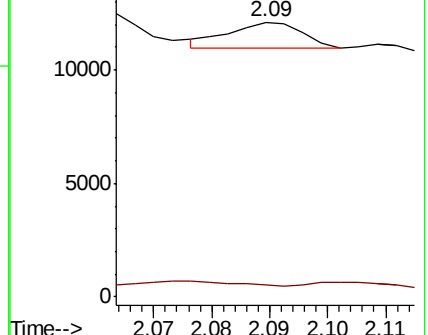
64 100

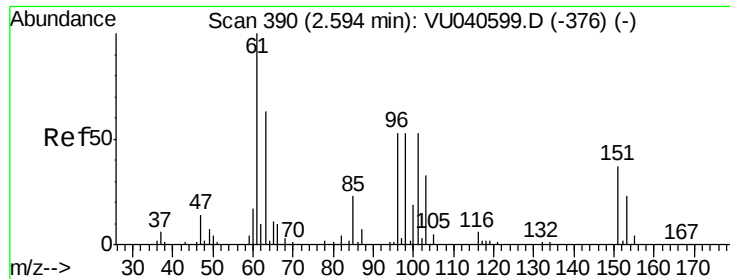
66 4.6 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040599.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040599.D (-176) (-)





#10

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

Concen: 0.067 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

Instrument :

MSVOA_U

ClientSampleId :

ETYZ1

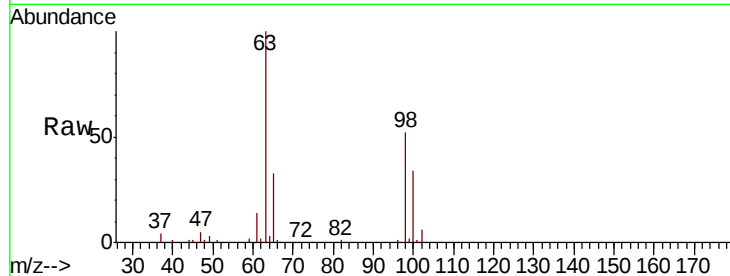
Tot Ion:101 Resp: 732

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

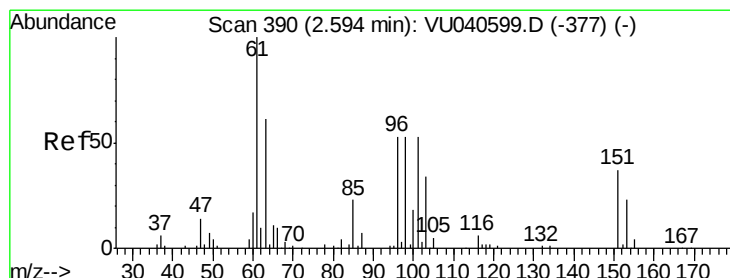
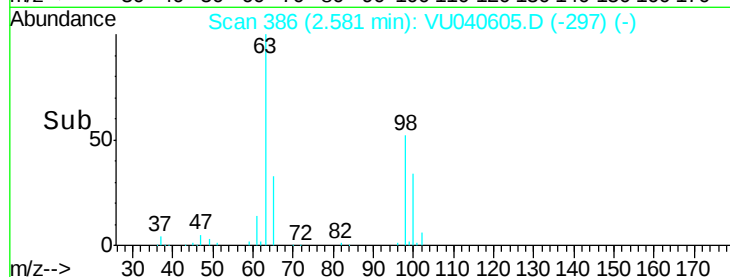
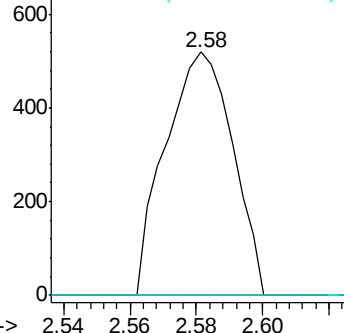
151 0.0 58.0 87.0#



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



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

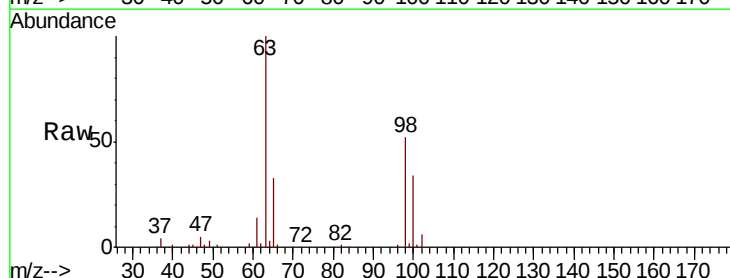
Tgt Ion: 96 Resp: 631

Ion Ratio Lower Upper

96 100

61 1597.9 128.8 239.2#

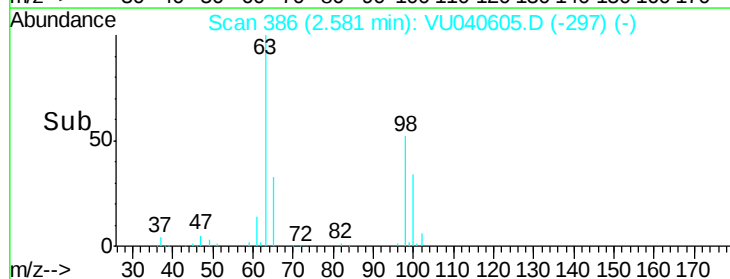
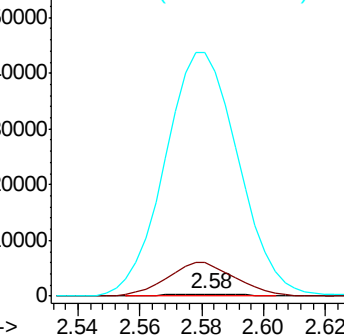
63 11683.4 84.6 157.2#

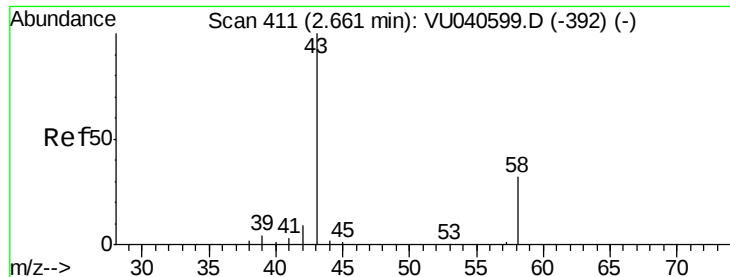


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.656 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

Instrument :

MSVOA_U

ClientSampled :

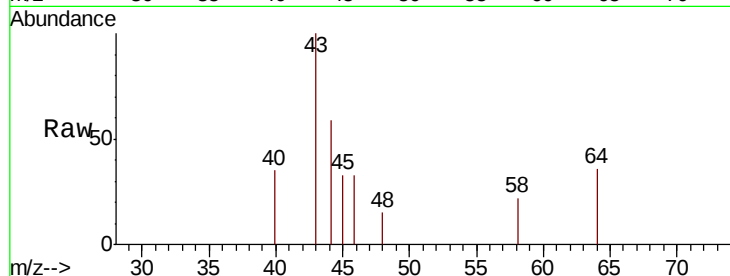
ETYZ1

Tot Ion: 43 Resp: 1772

Ion Ratio Lower Upper

43 100

58 16.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

800

600

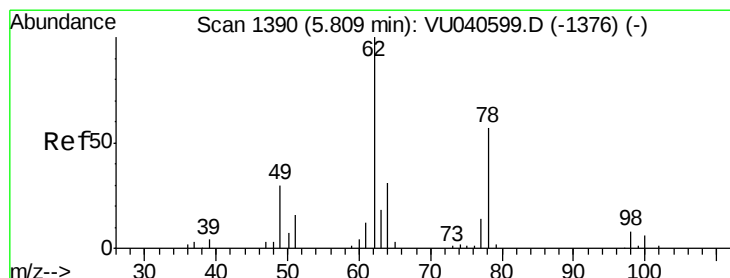
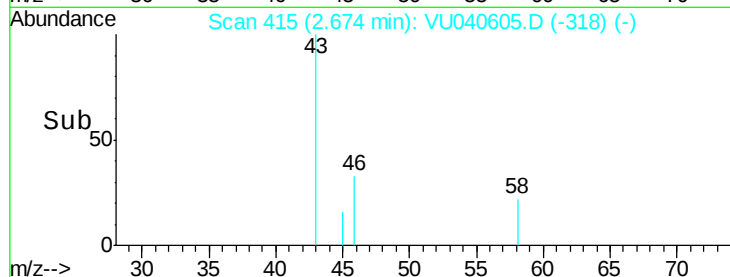
400

200

0

2.60 2.65 2.70

Time-->



#27

1,2-Dichloroethane

Concen: 0.055 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040605.D

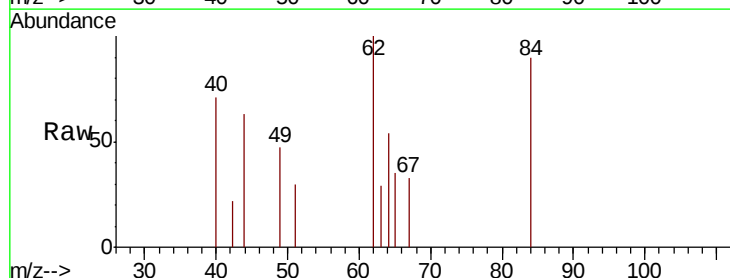
Acq: 10 Oct 2020 00:10

Tgt Ion: 62 Resp: 810

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.81

500

400

300

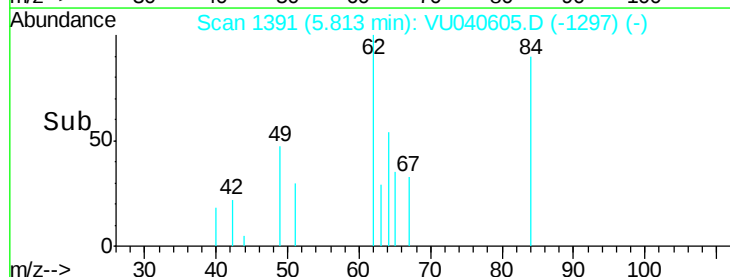
200

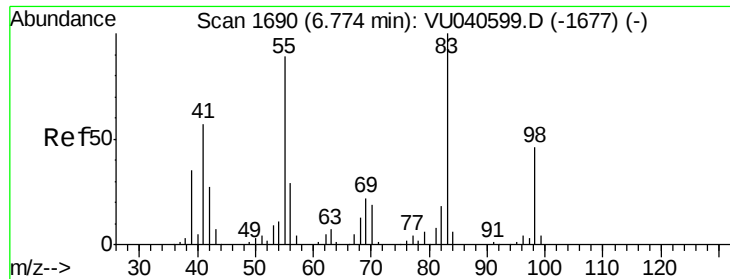
100

0

5.80 5.85

Time-->

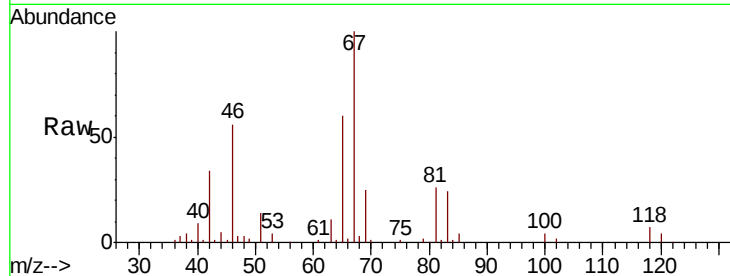




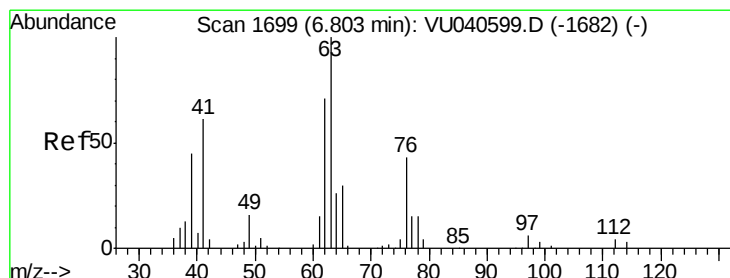
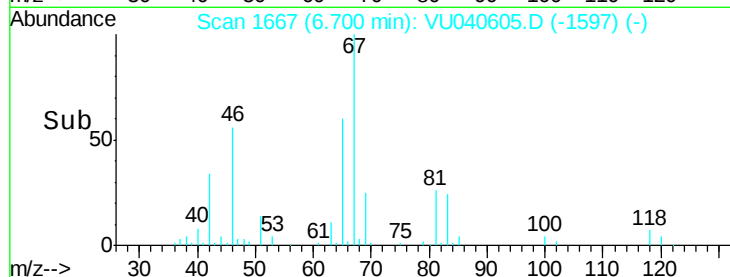
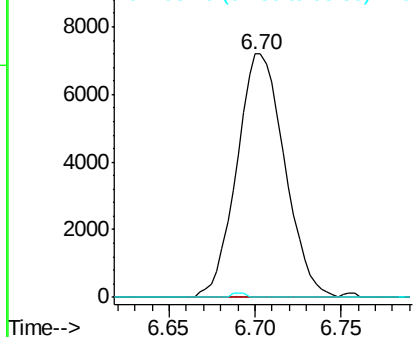
#35
Methvlcvclohexane
Concen: 0.886 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040605.D
Acq: 10 Oct 2020 00:10

Instrument :
MSVOA_U
ClientSampleId :
ETYZ1

Tot Ion: 83 Resp: 13941
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.5 38.4 57.6#

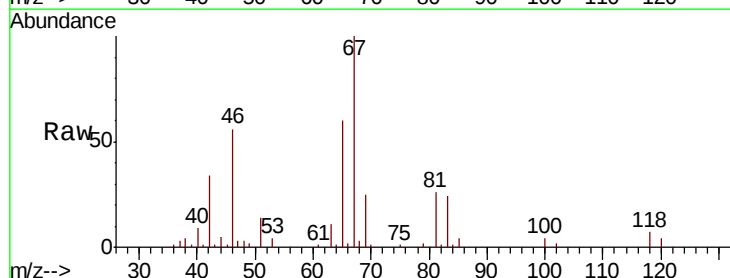


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

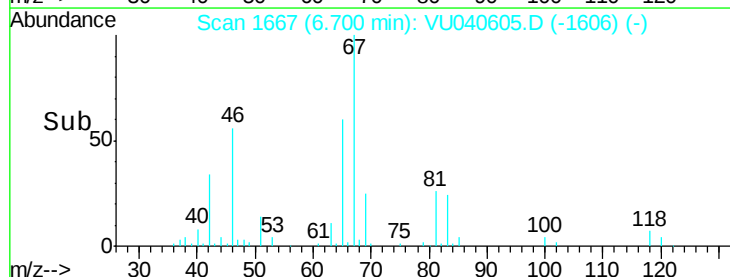
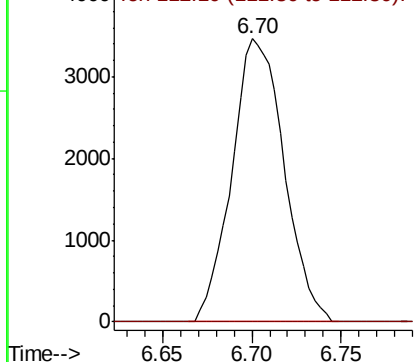


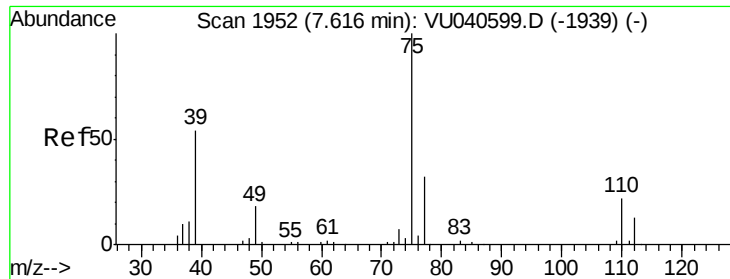
#37
1,2-Dichloropropane
Concen: 0.594 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040605.D
Acq: 10 Oct 2020 00:10

Tgt Ion: 63 Resp: 7084
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





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

Instrument :

MSVOA_U

ClientSampleId :

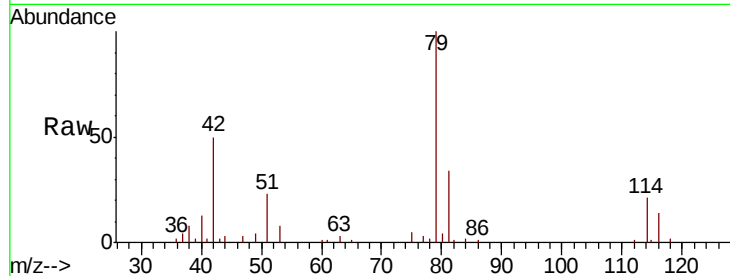
ETYZ1

Tot Ion: 75 Resp: 1654

Ion Ratio Lower Upper

75 100

77 56.9 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

1000

800

600

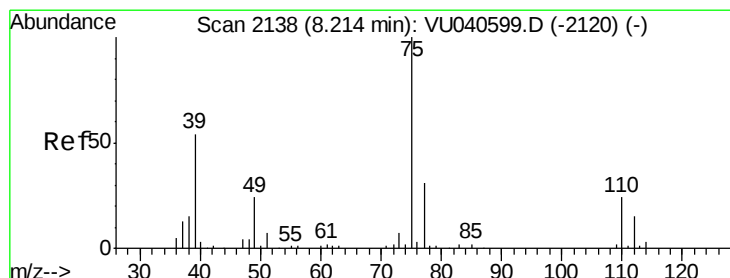
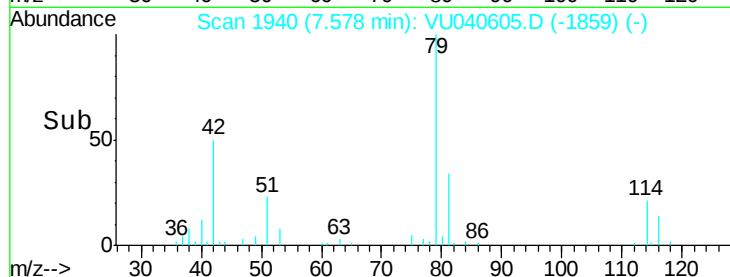
400

200

0

7.55 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040605.D

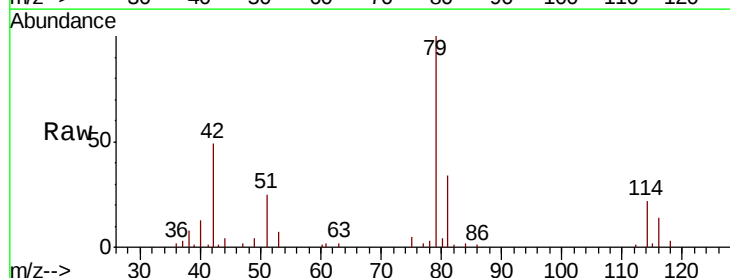
Acq: 10 Oct 2020 00:10

Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

77 47.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

600

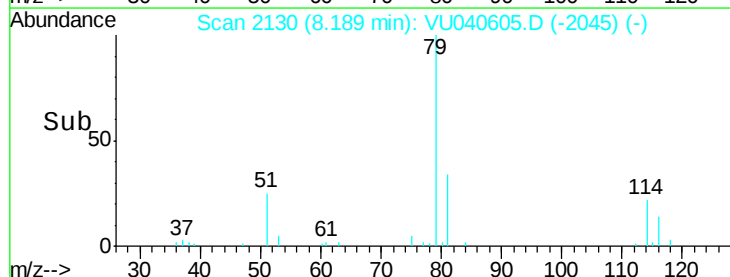
400

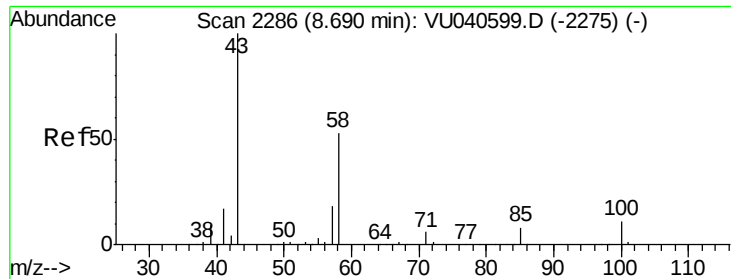
200

0

8.15 8.20

Time-->

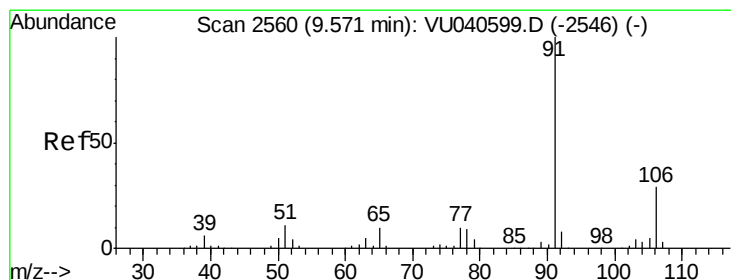
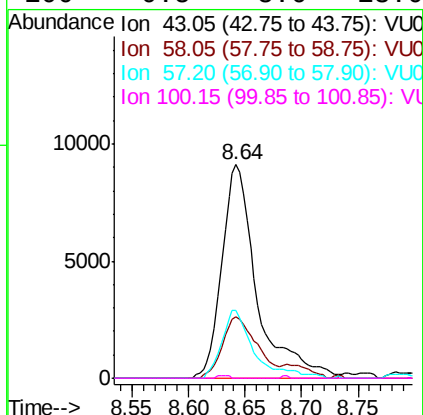
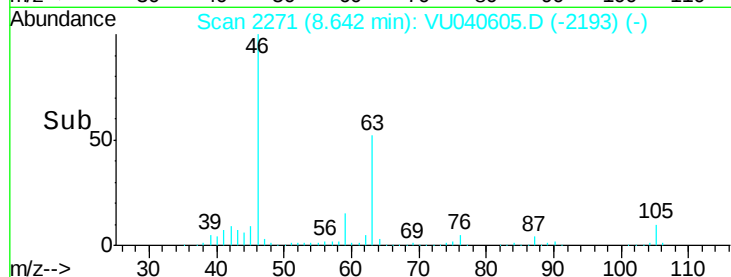
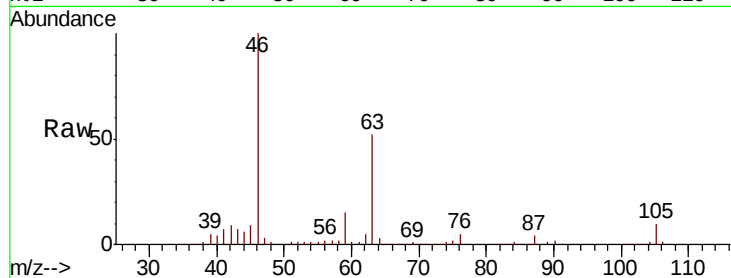




#48
2-Hexanone
Concen: 2.780 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040605.D
Acq: 10 Oct 2020 00:10

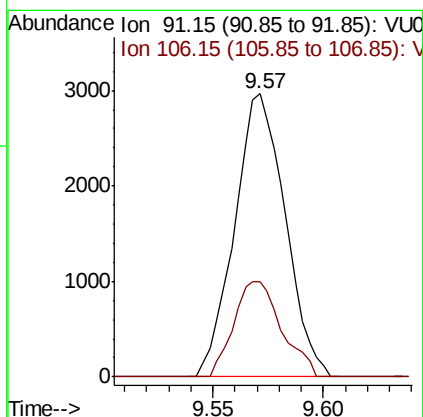
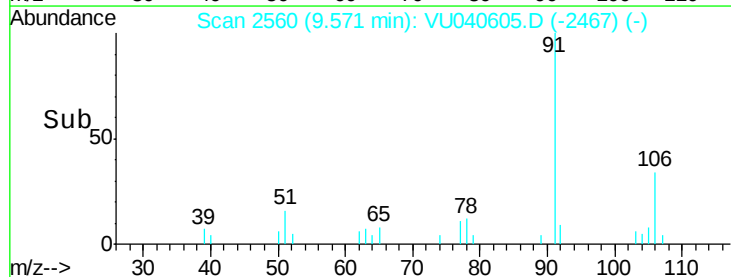
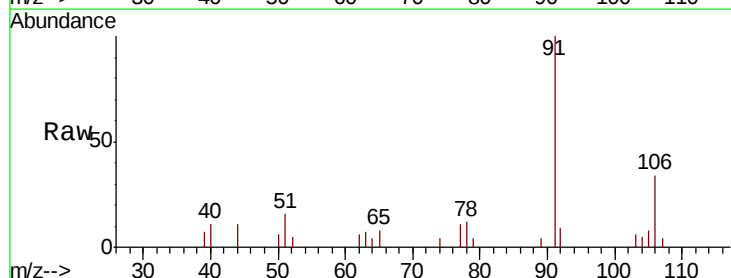
Instrument :
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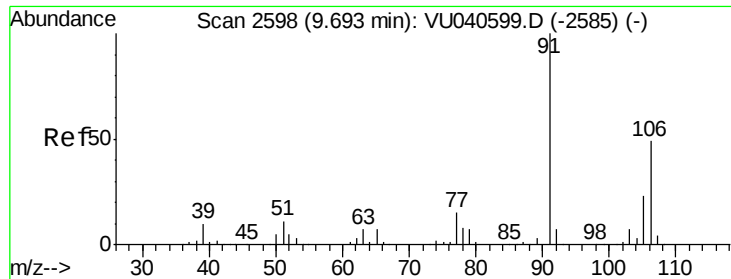
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.2	41.0	61.6#
57	28.5	14.4	21.6#
100	0.5	8.6	13.0#



#52
Ethylbenzene
Concen: 0.100 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040605.D
Acq: 10 Oct 2020 00:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.5	20.7	38.5





#53

m,p-Xylene

Concen: 0.454 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

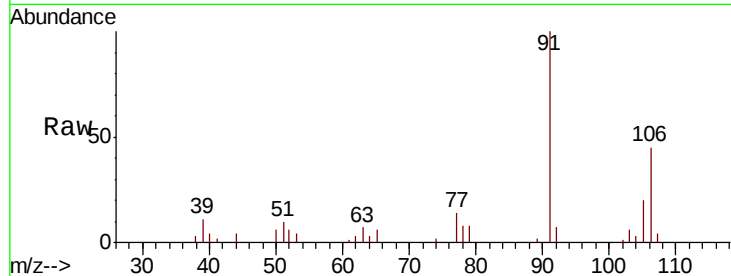
Instrument :
MSVOA_U
ClientSampleId :
ETYZ1

Tot Ion:106 Resp: 7806

Ion Ratio Lower Upper

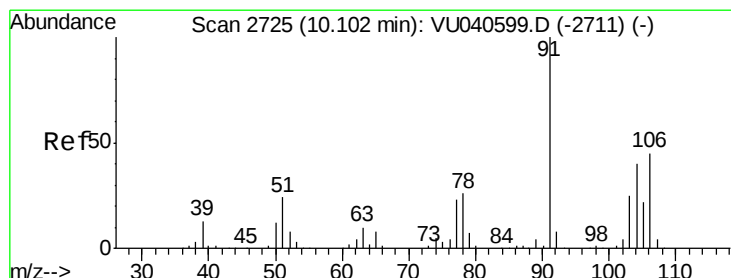
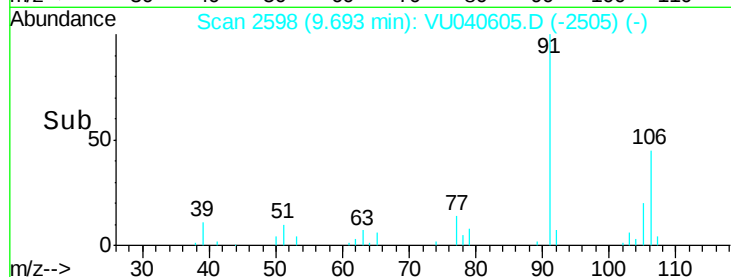
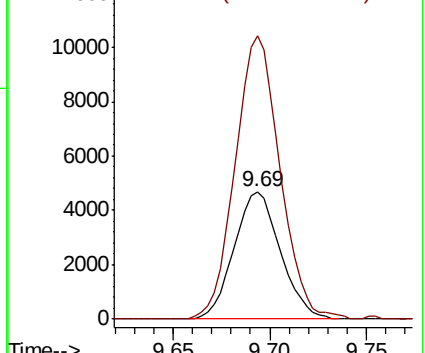
106 100

91 221.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.113 ug/L

RT: 10.10 min Scan# 2723

Delta R.T. -0.01 min

Lab File: VU040605.D

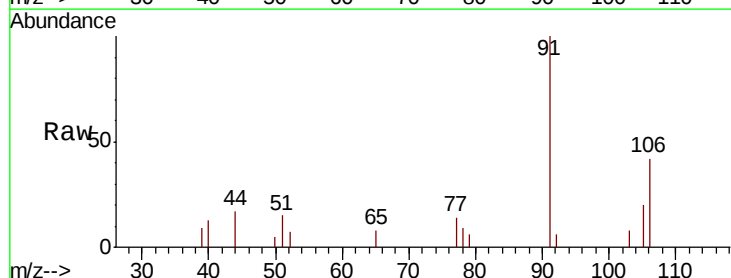
Acq: 10 Oct 2020 00:10

Tgt Ion:106 Resp: 1869

Ion Ratio Lower Upper

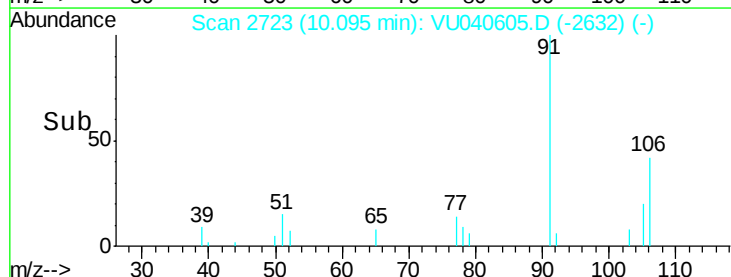
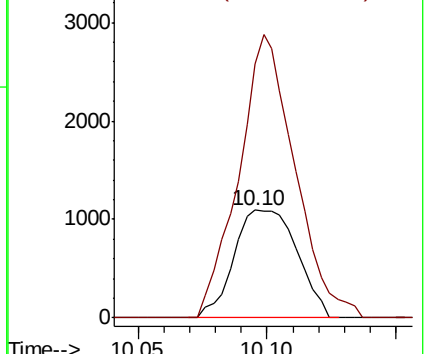
106 100

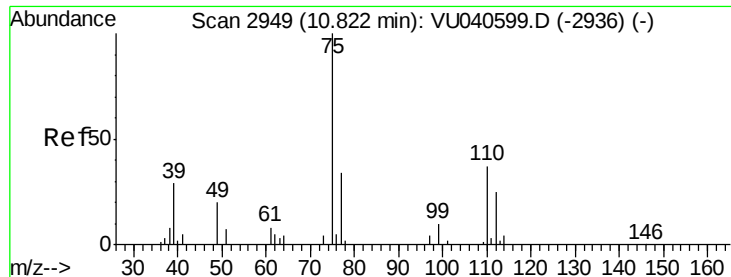
91 235.9 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.929 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040605.D

Acq: 10 Oct 2020 00:10

Instrument :

MSVOA_U

ClientSampleId :

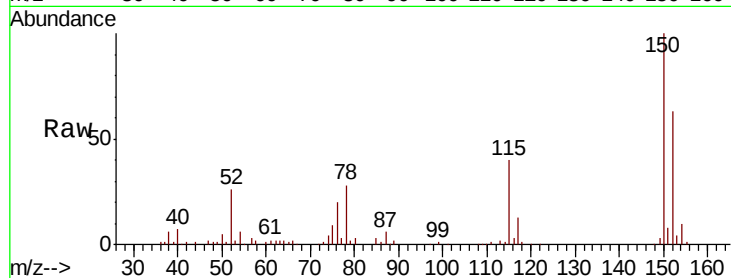
ETYZ1

Tot Ion: 75 Resp: 8142

Ion Ratio Lower Upper

75 100

77 35.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

