

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040603.D
 Acq On : 09 Oct 2020 23:24
 Operator : SY/MD
 Sample : L4352-17MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ09MSD

Quant Time: Oct 10 06:06:22 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	136904	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136113	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49556	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.92	69	42060	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.58	63	100354	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.66	46	197942	54.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.06%
24) Chloroform-d	5.08	84	97013	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	60470	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.75	84	179448	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	62205	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.91	98	145919	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	24668	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	142596	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53753	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	59572	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	512	0.044 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	631	0.055 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	43918	4.496 ug/L	94
25) Chloroform	5.11	83	2035	0.094 ug/L	89
27) 1,2-Dichloroethane	5.79	62	1925	0.126 ug/L #	77
33) Benzene	5.79	78	199033	4.551 ug/L	100
34) Trichloroethene	6.56	95	49583	4.374 ug/L	97
35) Methylcyclohexane	6.70	83	14416	0.897 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6812	0.559 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1991	0.120 ug/L #	75
42) Toluene	7.98	91	197040	4.422 ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	1278	0.083 ug/L #	69
51) Chlorobenzene	9.45	112	136827	4.662 ug/L	98
53) m,p-Xylene	9.69	106	2566	0.146 ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	7828	0.875 ug/L #	82

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

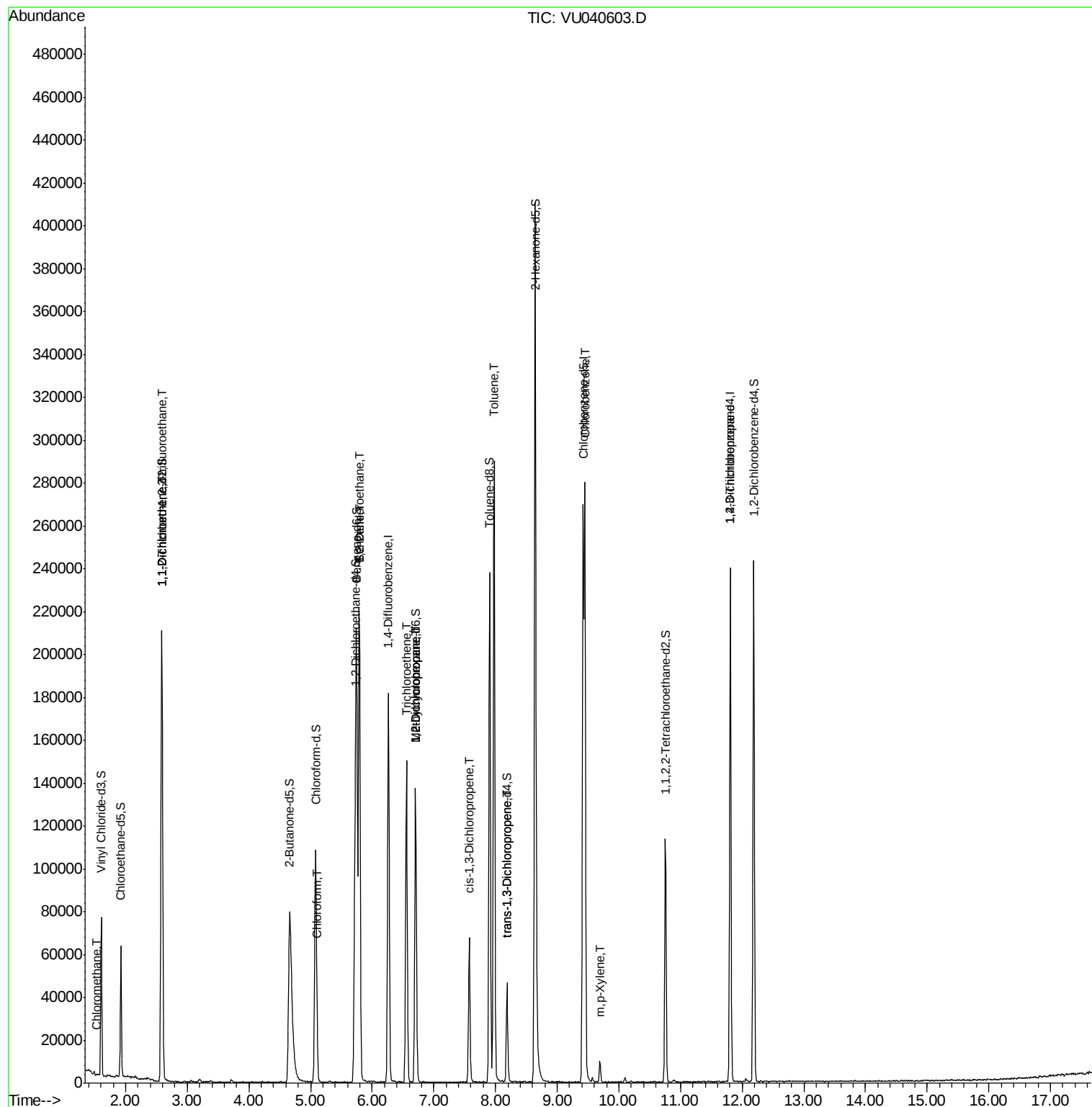
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

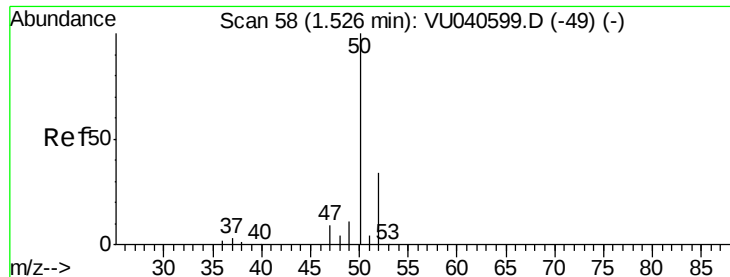
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#3

Chloromethane

Concen: 0.044 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

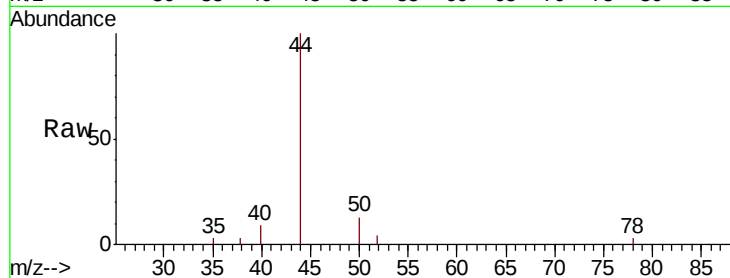
ETZ09MSD

Tot Ion: 50 Resp: 512

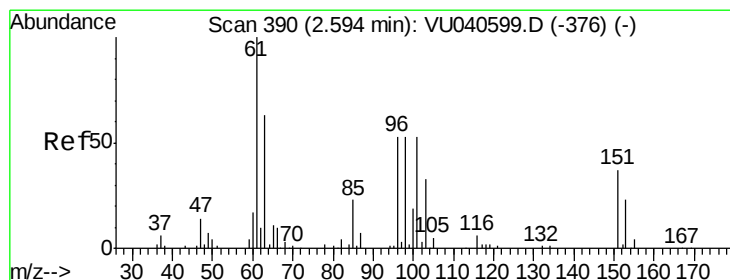
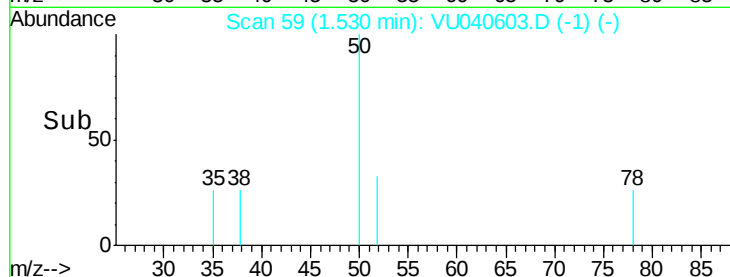
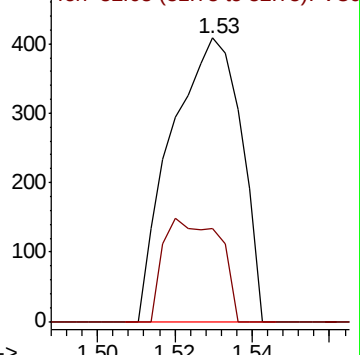
Ion Ratio Lower Upper

50 100

52 32.8 21.9 40.7



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



#10

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

Concen: 0.055 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

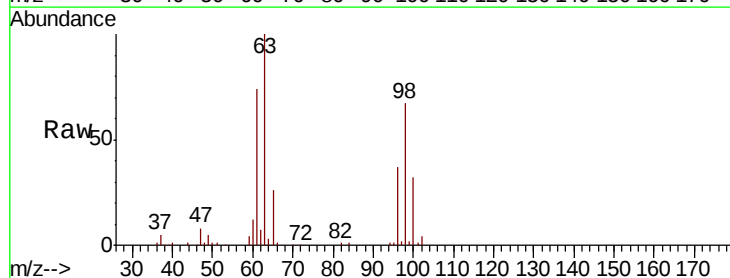
Tgt Ion: 101 Resp: 631

Ion Ratio Lower Upper

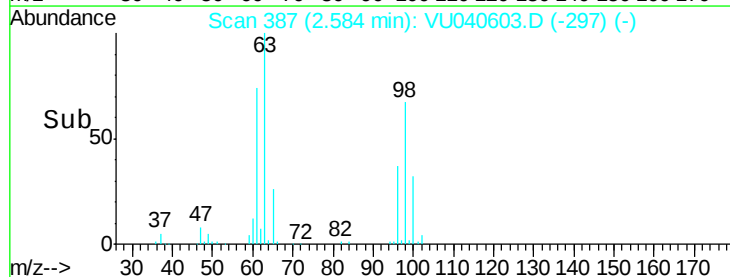
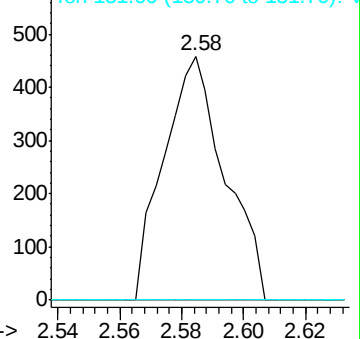
101 100

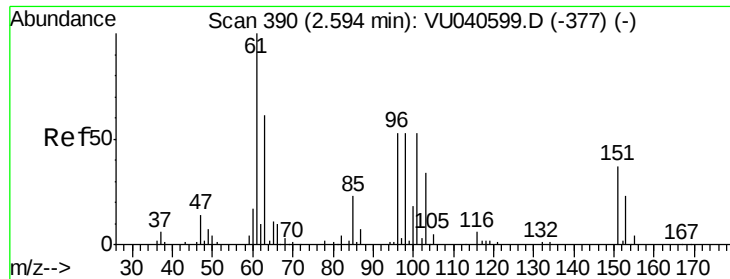
85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040599.D (-376) (-)





#12

1,1-Dichloroethene

Concen: 4.496 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ09MSD

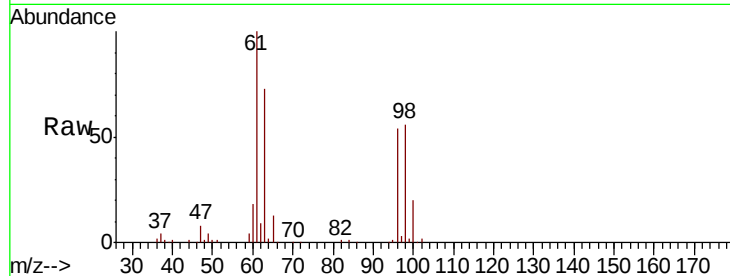
Tot Ion: 96 Resp: 43918

Ion Ratio Lower Upper

96 100

61 185.9 128.8 239.2

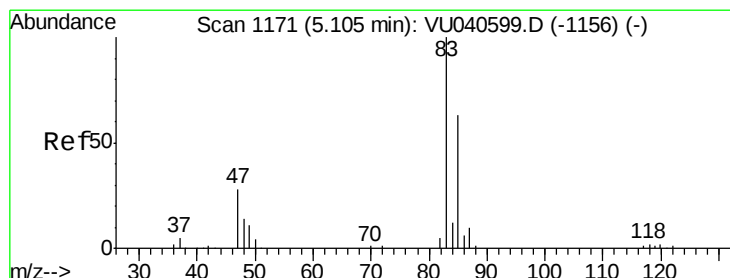
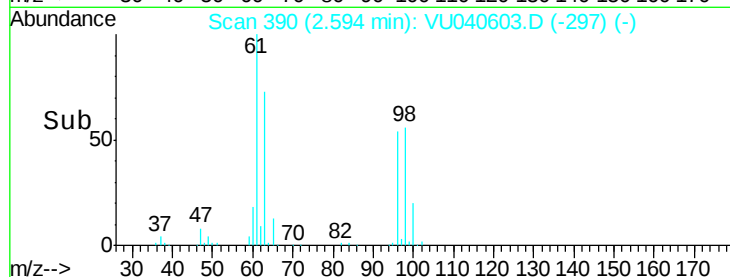
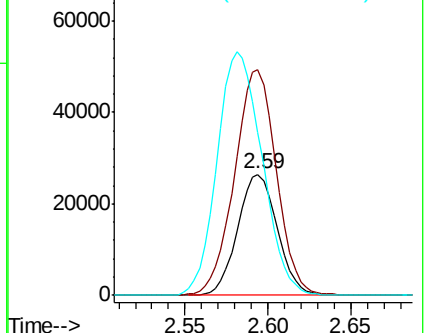
63 134.8 84.6 157.2



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



#25

Chloroform

Concen: 0.094 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU040603.D

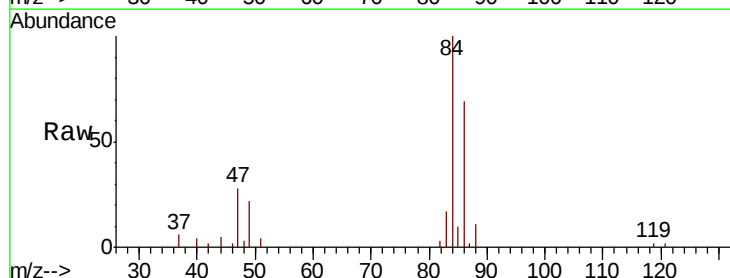
Acq: 09 Oct 2020 23:24

Tgt Ion: 83 Resp: 2035

Ion Ratio Lower Upper

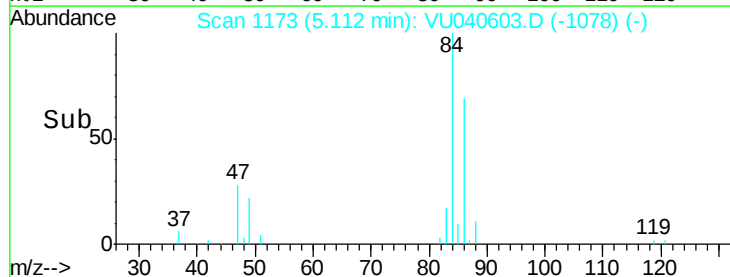
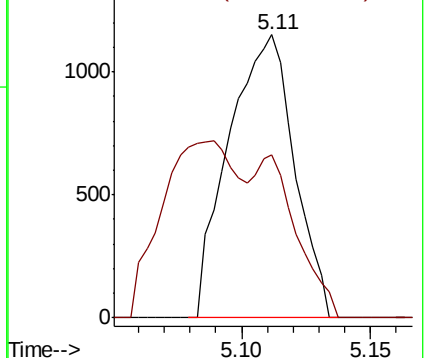
83 100

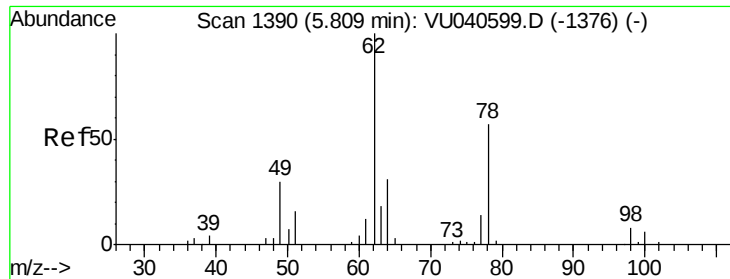
85 57.7 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.126 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.02 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

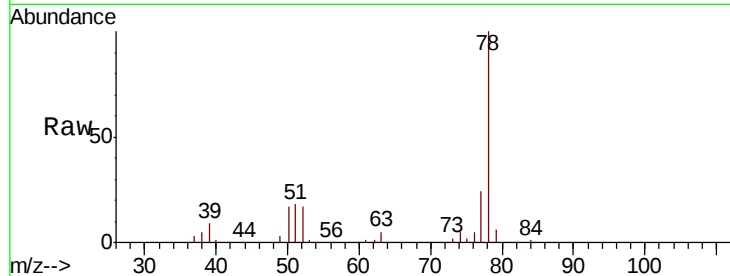
ETZ09MSD

Tot Ion: 62 Resp: 1925

Ion Ratio Lower Upper

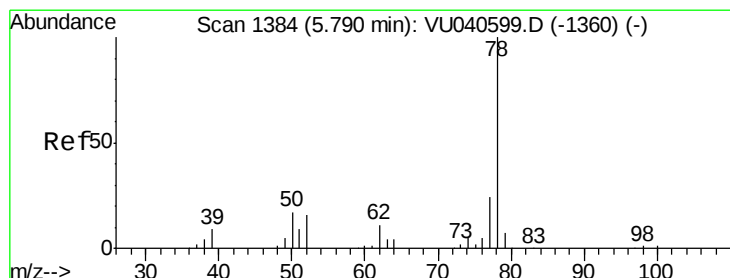
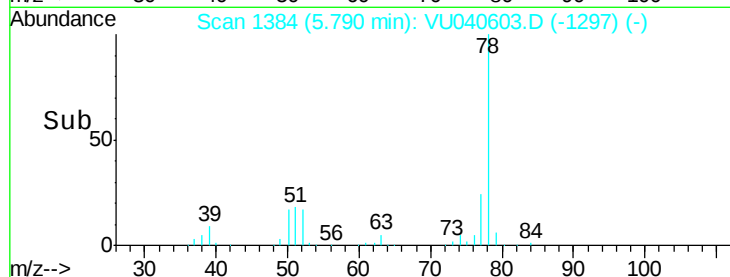
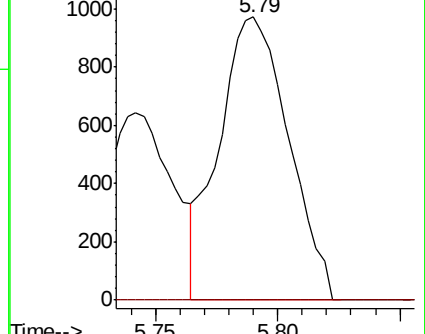
62 100

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



#33

Benzene

Concen: 4.551 ug/L

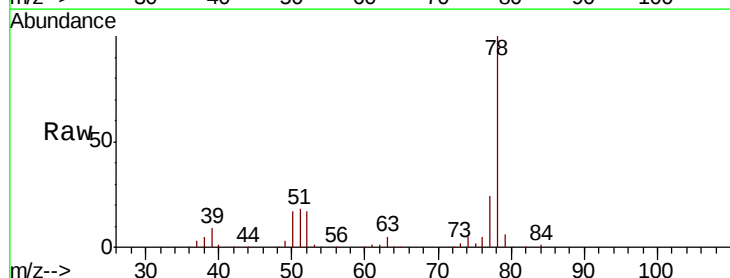
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040603.D

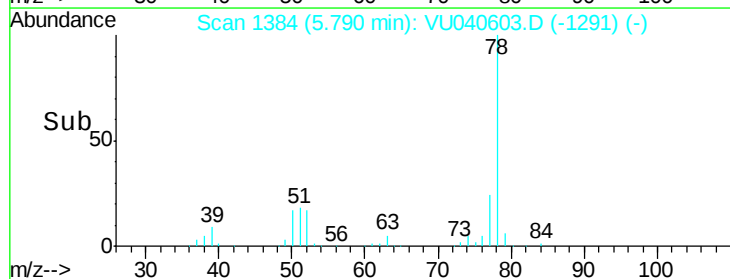
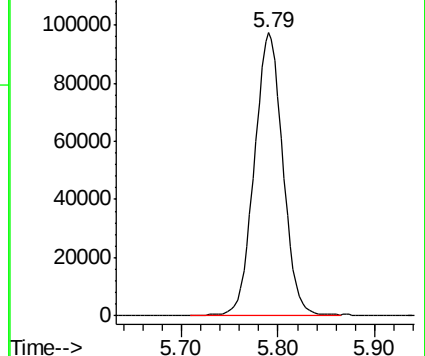
Acq: 09 Oct 2020 23:24

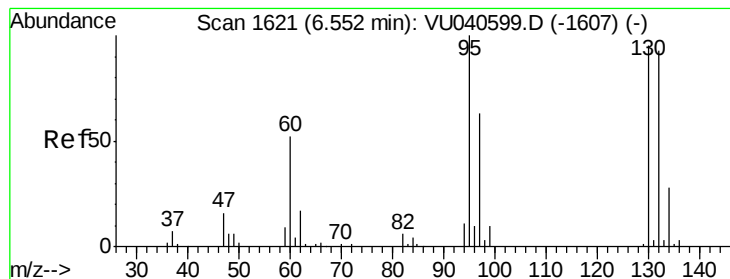
Tgt Ion: 78 Resp: 199033



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 98.05 (97.75 to 98.75): VU0





#34

Trichloroethene

Concen: 4.374 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ09MSD

Tot Ion: 95 Resp: 49583

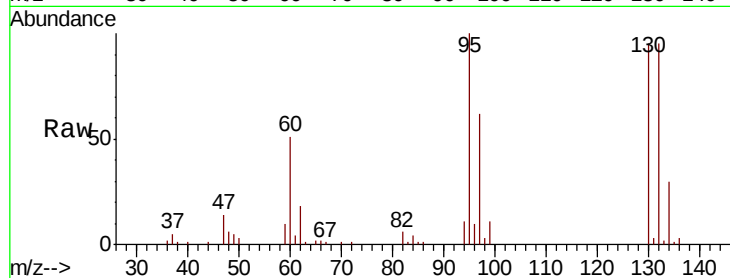
Ion Ratio Lower Upper

95 100

97 62.2 45.5 84.5

132 94.8 67.5 125.4

130 95.3 69.9 129.9



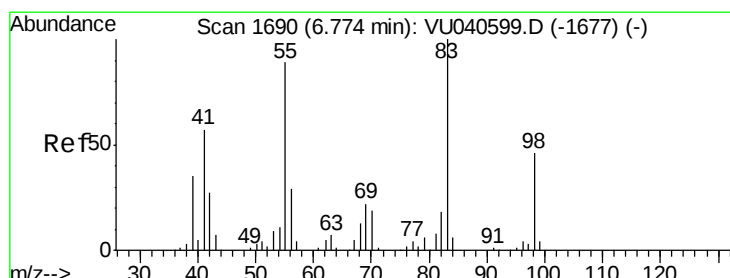
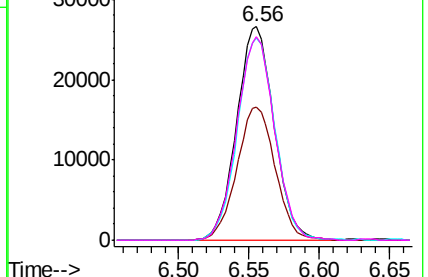
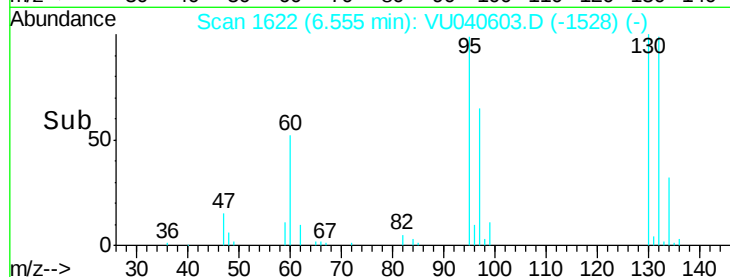
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 0.897 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

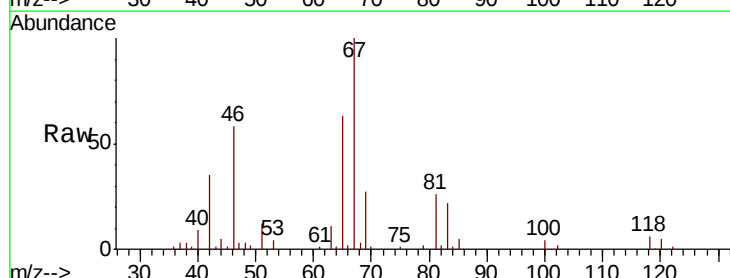
Tgt Ion: 83 Resp: 14416

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

98 0.4 38.4 57.6#

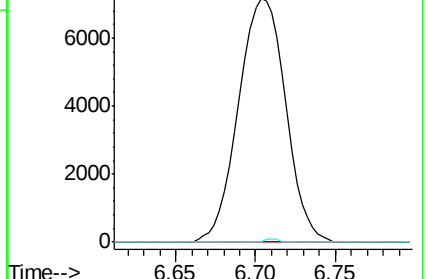
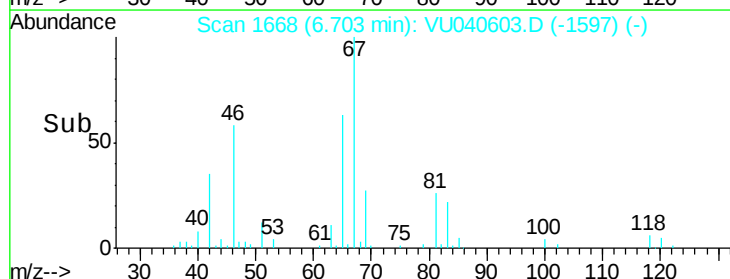


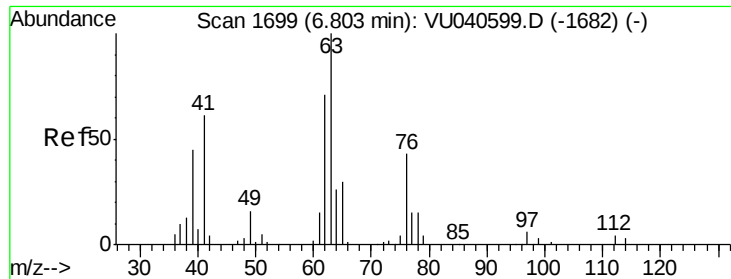
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->

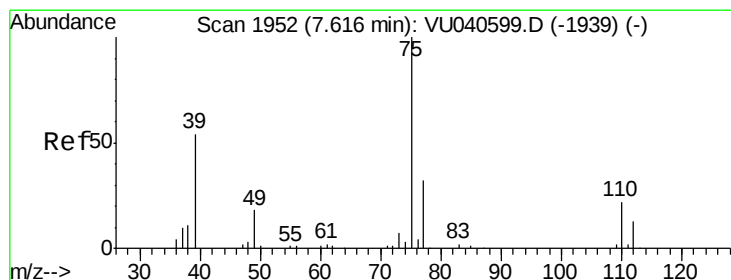
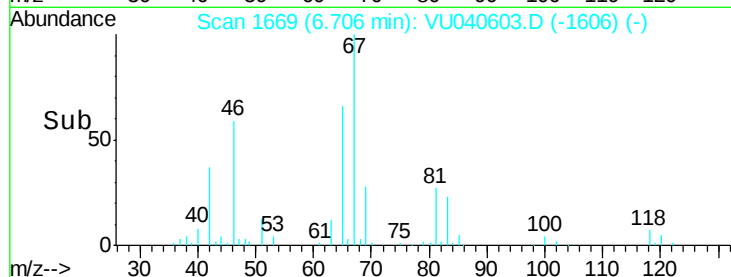
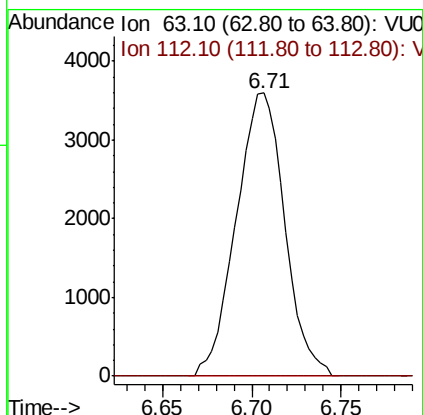
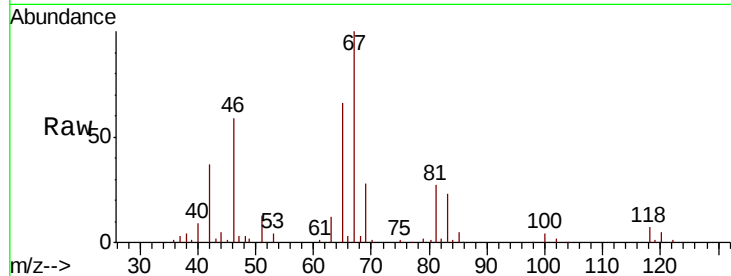




#37
 1,2-Dichloropropane
 Concen: 0.559 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040603.D
 Acq: 09 Oct 2020 23:24

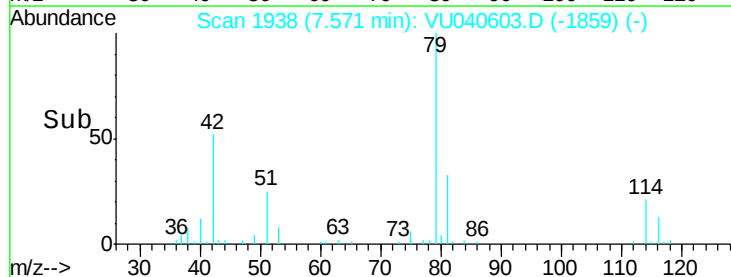
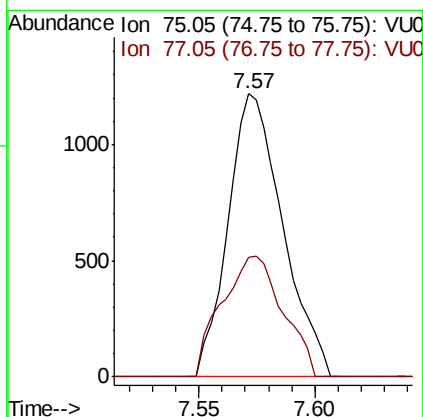
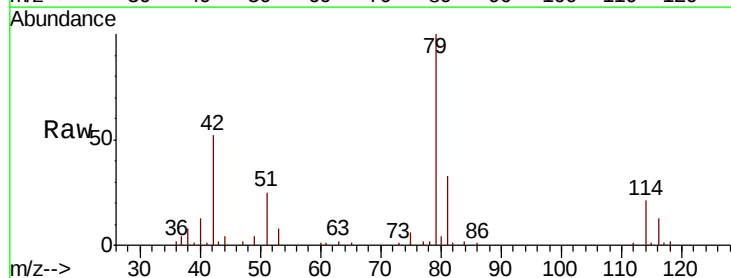
Instrument :
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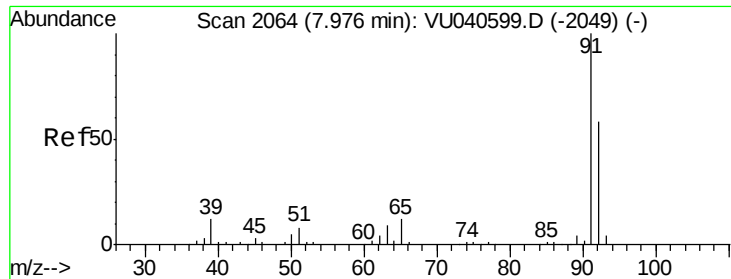
Tot Ion: 63 Resp: 6812
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040603.D
 Acq: 09 Oct 2020 23:24

Tgt Ion: 75 Resp: 1991
 Ion Ratio Lower Upper
 75 100
 77 42.4 20.5 38.1#





#42

Toluene

Concen: 4.422 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

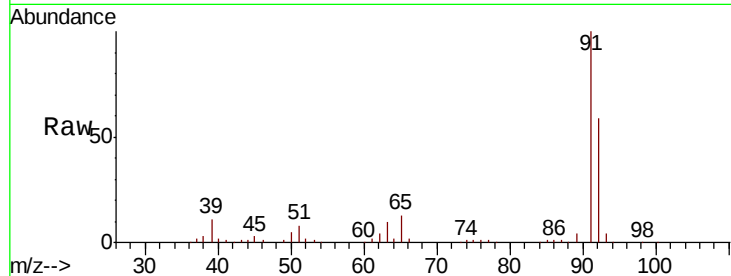
ETZ09MSD

Tot Ion: 91 Resp: 197040

Ion Ratio Lower Upper

91 100

92 59.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040599.D (-2049) (-)

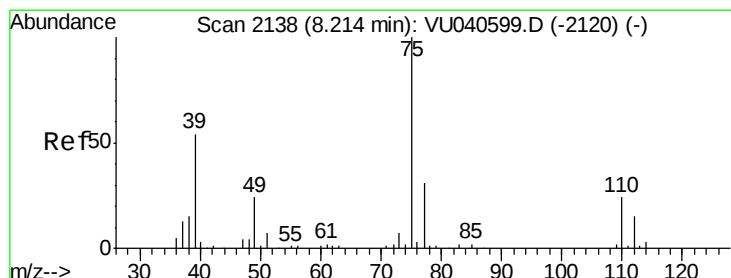
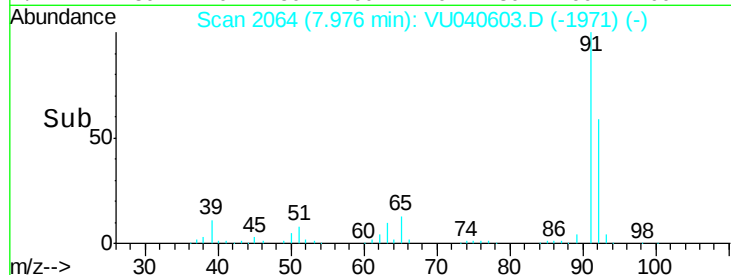
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040603.D

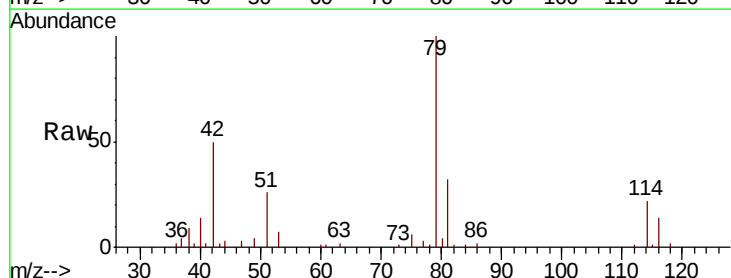
Acq: 09 Oct 2020 23:24

Tgt Ion: 75 Resp: 1278

Ion Ratio Lower Upper

75 100

77 45.6 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040599.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040599.D (-2120) (-)

8.18

1000

800

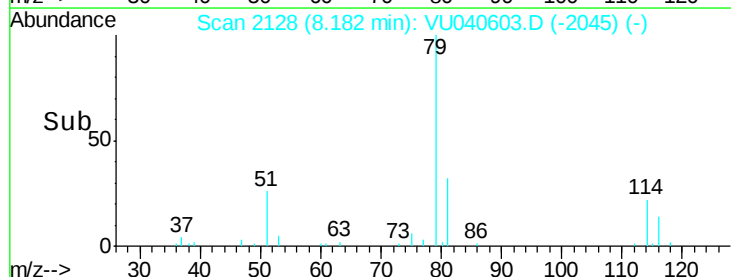
600

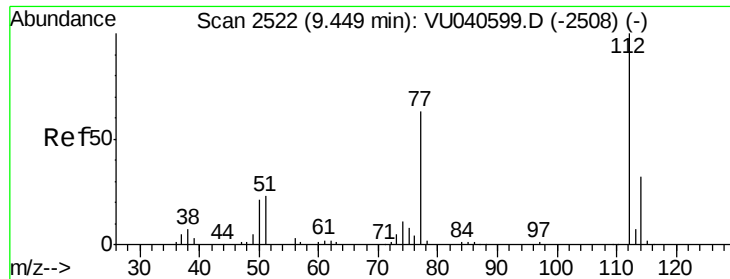
400

200

0

Time-->





#51

Chlorobenzene

Concen: 4.662 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ09MSD

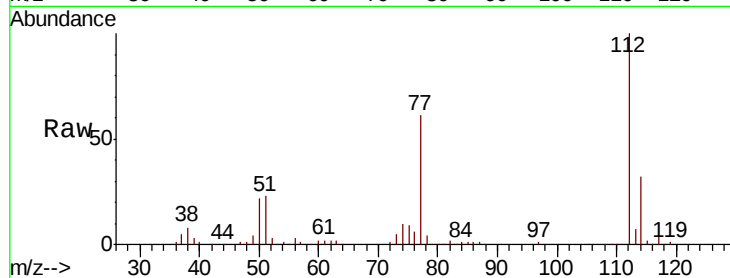
Tot Ion:112 Resp: 136827

Ion Ratio Lower Upper

112 100

114 32.4 23.1 42.9

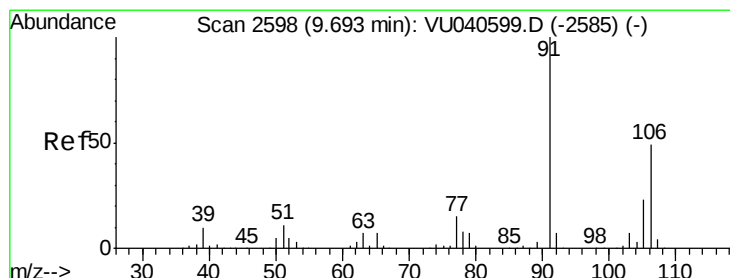
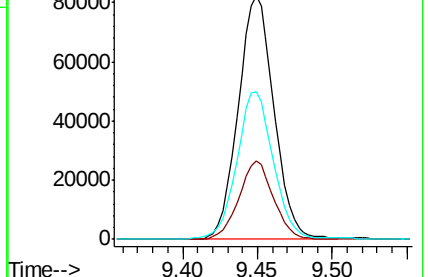
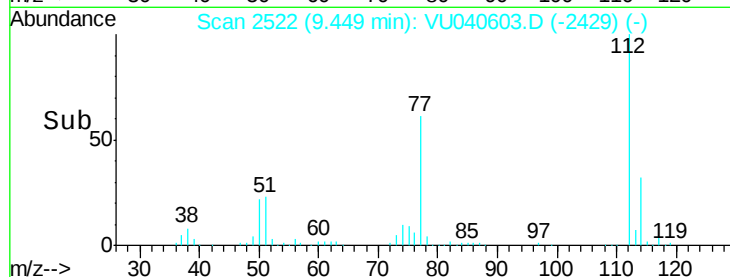
77 60.6 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#53

m,p-Xylene

Concen: 0.146 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040603.D

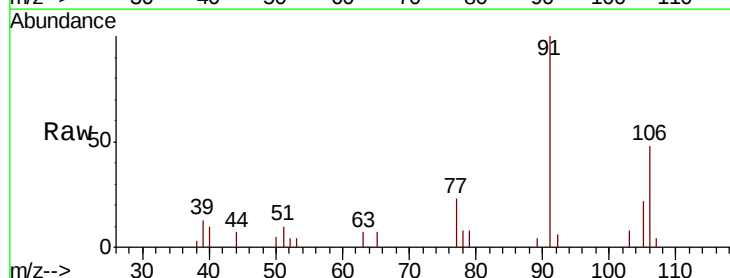
Acq: 09 Oct 2020 23:24

Tgt Ion:106 Resp: 2566

Ion Ratio Lower Upper

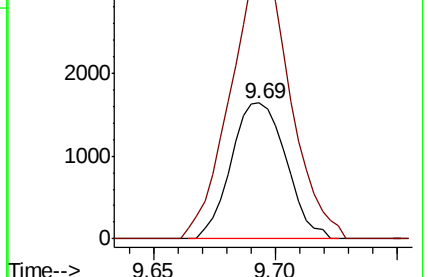
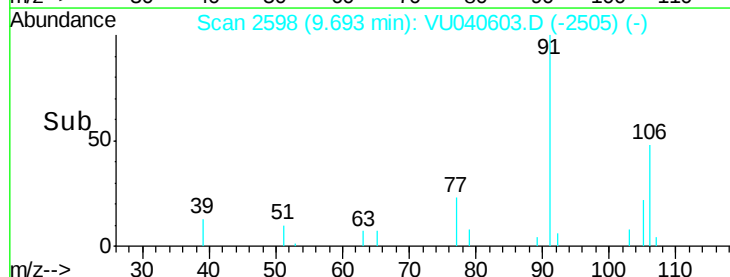
106 100

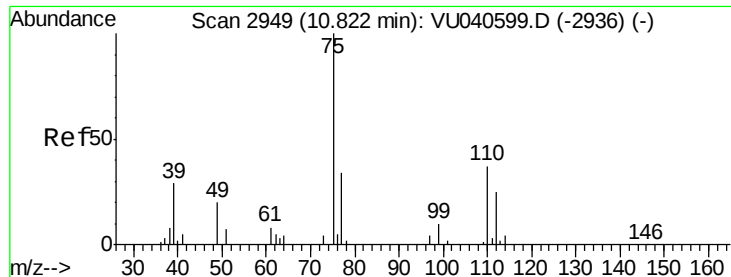
91 208.4 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU





#59

1,2,3-Trichloropropane

Concen: 0.875 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040603.D

Acq: 09 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

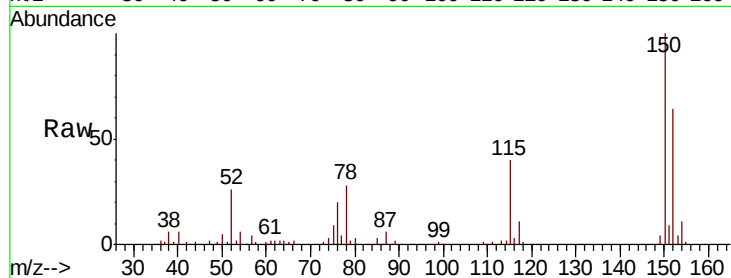
ETZ09MSD

Tot Ion: 75 Resp: 7828

Ion Ratio Lower Upper

75 100

77 43.3 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

