

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090220\
 Data File : VU040023.D
 Acq On : 02 Sep 2020 14:17
 Operator : SY/MD
 Sample : L3891-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:21:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104032	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103368	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46179	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33916	5.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.40%
7) Chloroethane-d5	1.92	69	30266	6.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	128.00%
11) 1,1-Dichloroethene-d2	2.58	63	58668	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.65	46	155786	68.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.14%#
24) Chloroform-d	5.08	84	80199	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.80%
26) 1,2-Dichloroethane-d4	5.72	65	53634	6.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	131.00%#
32) Benzene-d6	5.74	84	151897	6.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.80%#
36) 1,2-Dichloropropane-d6	6.70	67	50577	6.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.20%
41) Toluene-d8	7.90	98	130596	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.80%
43) trans-1,3-Dichloropropene-	8.19	79	20618	5.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.80%
46) 2-Hexanone-d5	8.64	63	117605	67.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.88%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46045	6.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	51156	6.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	137.00%#

Target Compounds

					Ovalue
13) Acetone	2.65	43	7575	3.602	ug/L 100
14) Carbon disulfide	2.81	76	57481	2.227	ug/L 96
15) Methyl Acetate	3.06	43	885	0.168	ug/L # 65
30) Cyclohexane	5.40	56	1922	0.122	ug/L # 65
33) Benzene	5.79	78	4189	0.113	ug/L 100
34) Trichloroethene	6.55	95	7810	0.787	ug/L 95
35) Methylcyclohexane	6.77	83	3050	0.201	ug/L 90
37) 1,2-Dichloropropane	6.70	63	6428	0.642	ug/L # 88
39) cis-1,3-Dichloropropene	7.56	75	1577	0.107	ug/L # 71
42) Toluene	7.97	91	9945	0.261	ug/L 94
47) Tetrachloroethene	8.56	164	5297	0.813	ug/L 95
49) Dibromochloromethane	8.56	129	5318	0.607	ug/L # 11
52) Ethylbenzene	9.57	91	3679	0.085	ug/L 92
53) m,p-Xylene	9.70	106	1605	0.104	ug/L 62
59) 1,2,3-Trichloropropane	11.81	75	7784	1.049	ug/L 94

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 03 01:16:12 2020
Response via : Initial Calibration

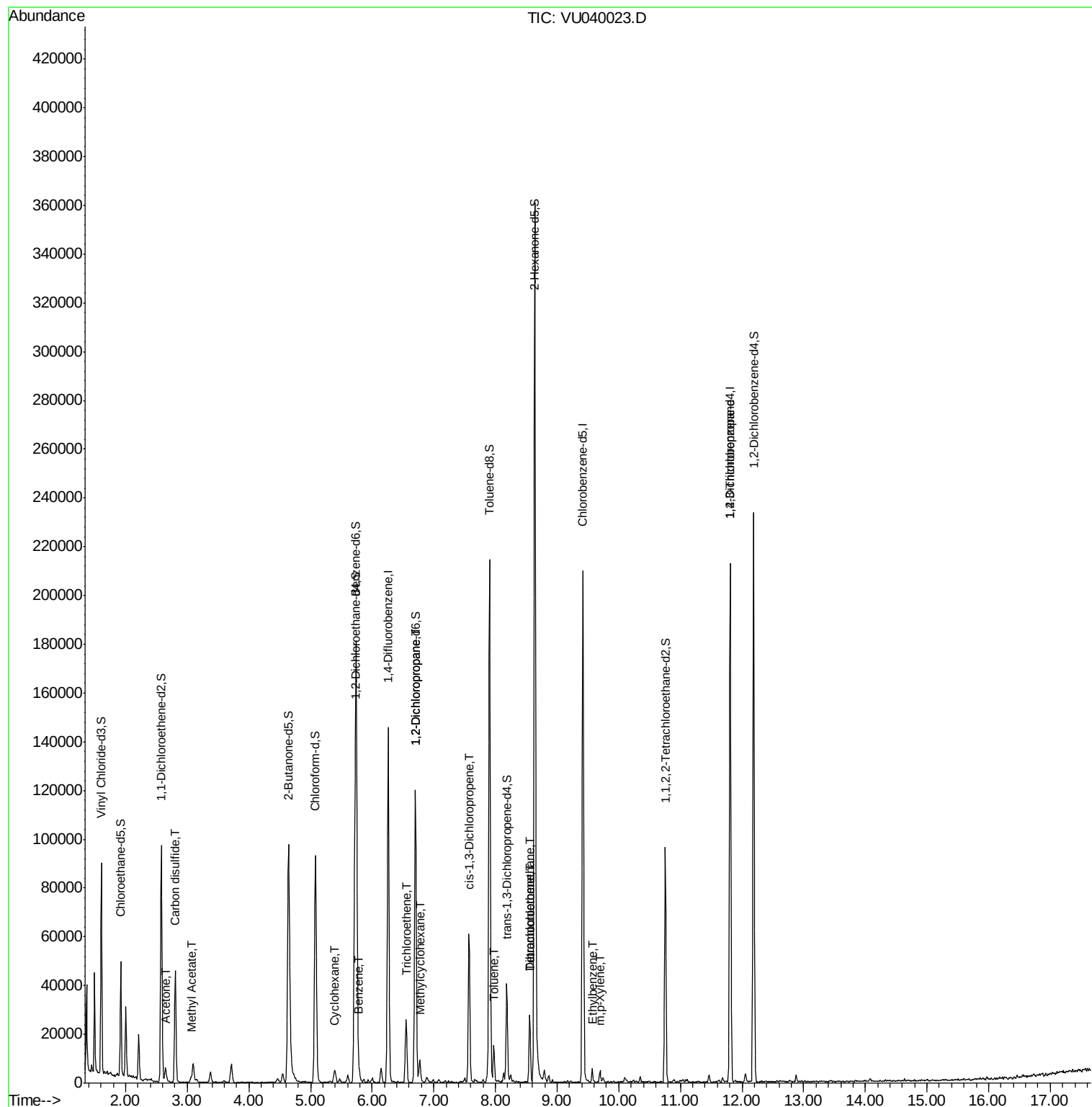
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

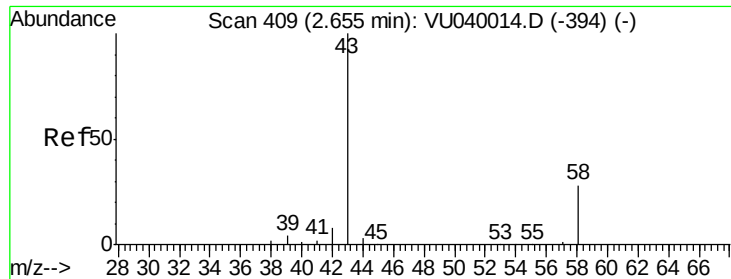
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 3.602 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

Instrument :

MSVOA_U

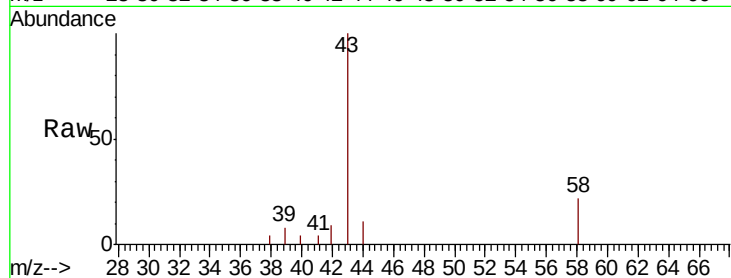
ClientSampled :

Tot Ion: 43 Resp: 7575

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040014.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU040014.D (-394) (-)

2.65

4000

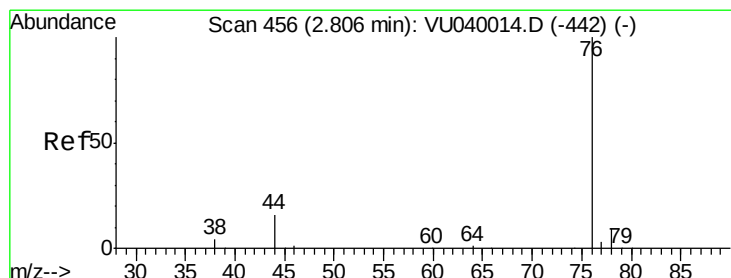
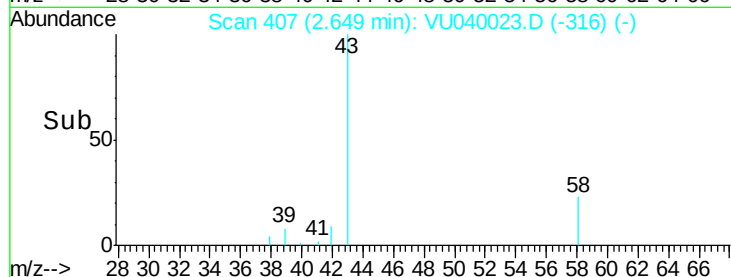
3000

2000

1000

0

Time-->



#14

Carbon disulfide

Concen: 2.227 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040023.D

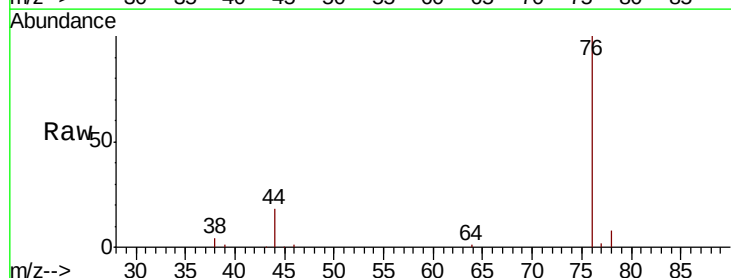
Acq: 02 Sep 2020 14:17

Tgt Ion: 76 Resp: 57481

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040014.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040014.D (-442) (-)

2.81

40000

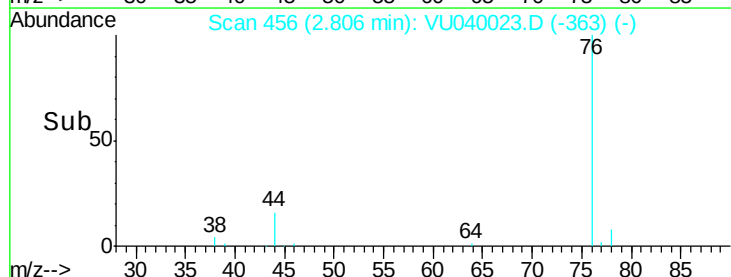
30000

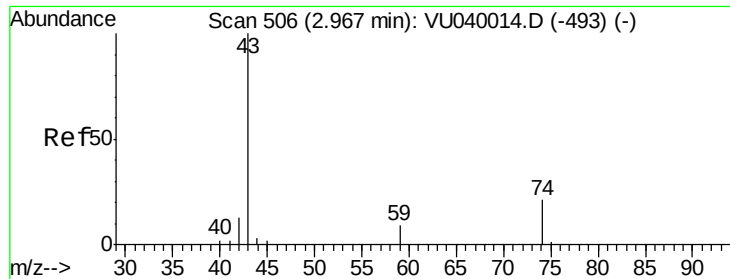
20000

10000

0

Time-->





#15

Methyl Acetate

Concen: 0.168 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.09 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

Instrument :

MSVOA_U

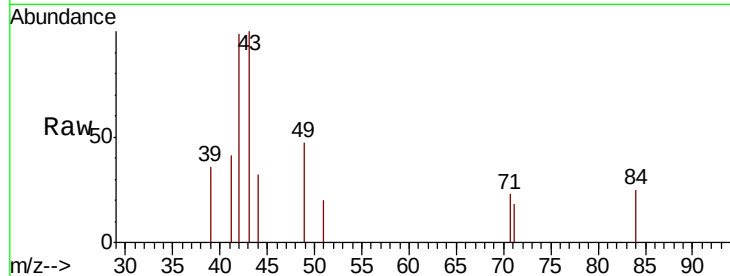
ClientSampled :

Tot Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

74 5.3 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2500

2000

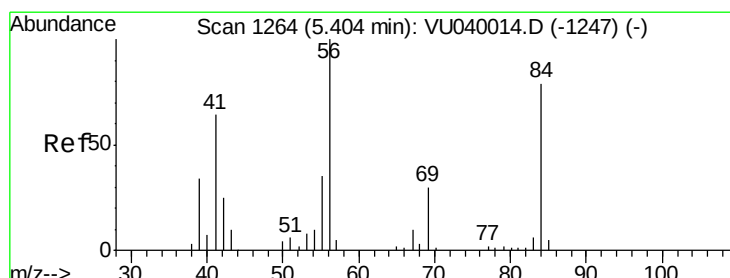
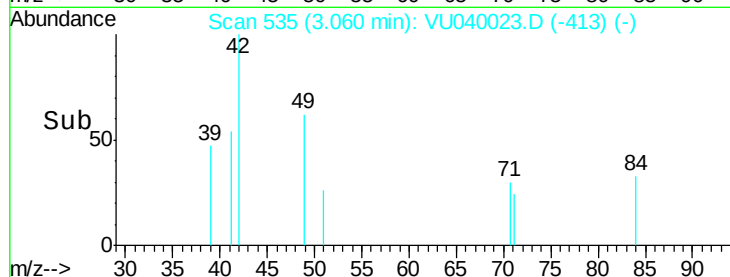
1500

1000

500

0

Time--> 3.00 3.02 3.04 3.06 3.08



#30

Cyclohexane

Concen: 0.122 ug/L

RT: 5.40 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

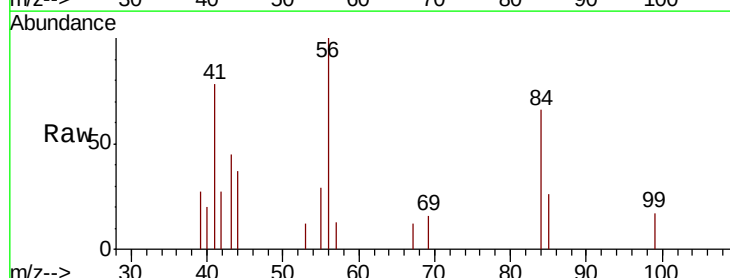
Tgt Ion: 56 Resp: 1922

Ion Ratio Lower Upper

56 100

69 7.6 24.1 36.1#

84 52.2 65.0 97.4#



Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

1200

1000

800

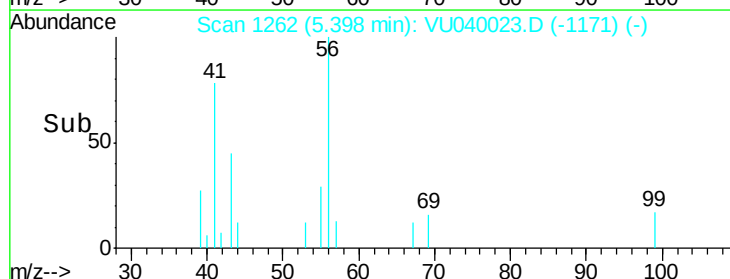
600

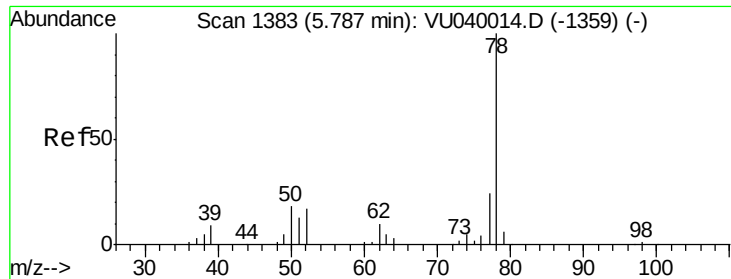
400

200

0

Time--> 5.35 5.40 5.45

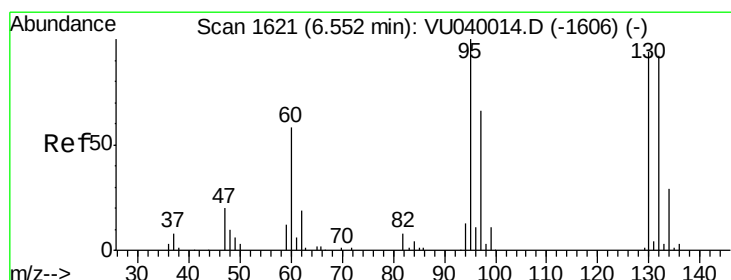
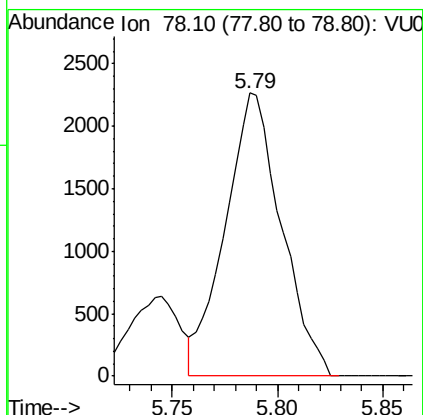
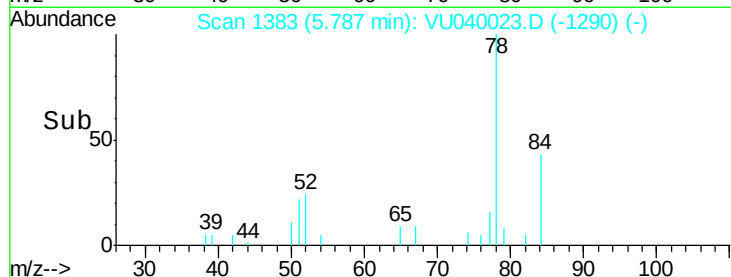
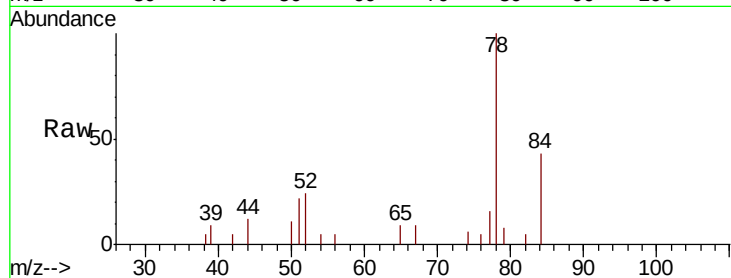




#33
Benzene
Concen: 0.113 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040023.D
Acq: 02 Sep 2020 14:17

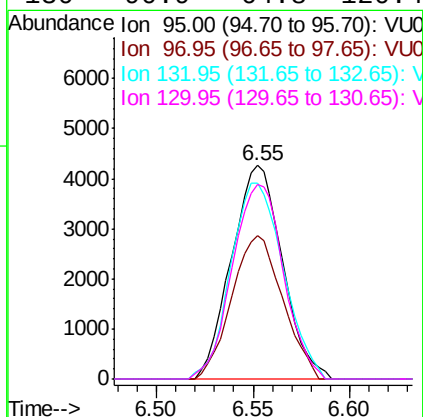
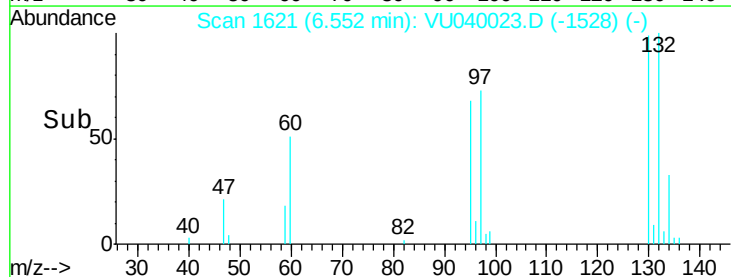
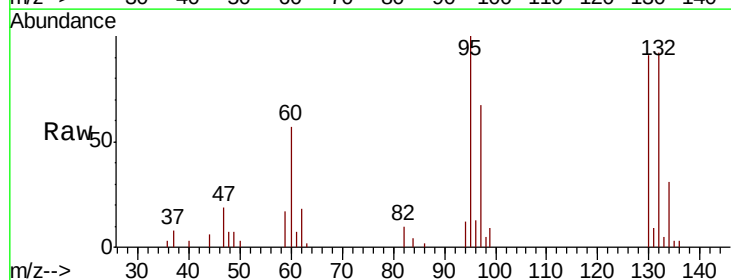
Instrument :
MSVOA_U
ClientSampled :

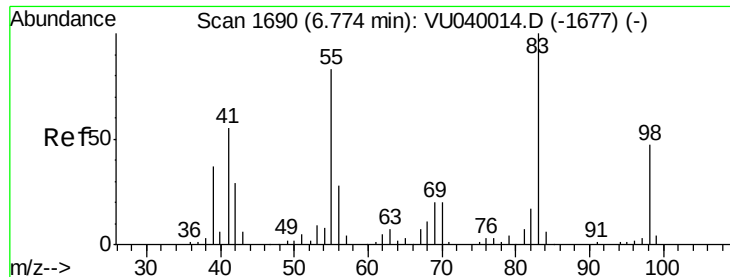
Tgt Ion: 78 Resp: 4189



#34
Trichloroethene
Concen: 0.787 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040023.D
Acq: 02 Sep 2020 14:17

Tgt Ion: 95 Resp: 7810
Ion Ratio Lower Upper
95 100
97 67.1 43.3 80.5
132 92.0 59.4 110.4
130 90.9 64.8 120.4

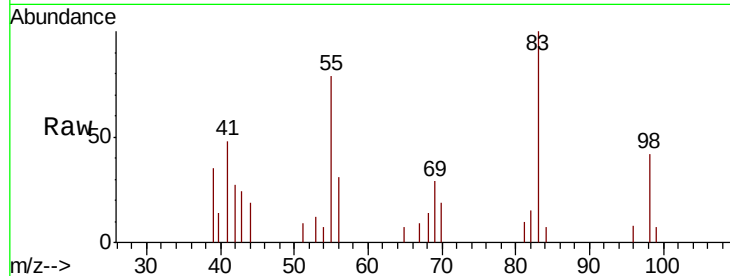




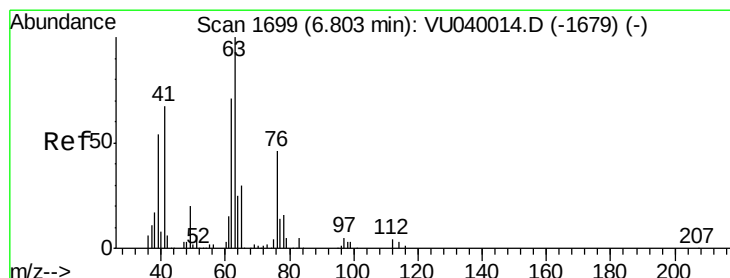
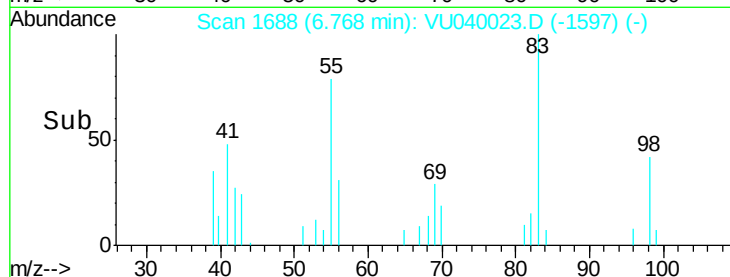
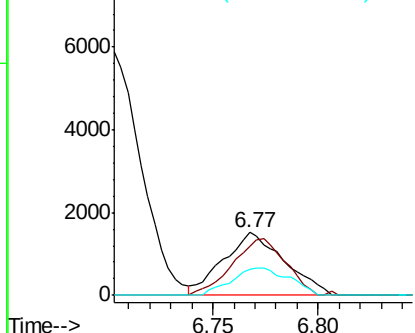
#35
Methylvlcyclohexane
Concen: 0.201 ug/L
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040023.D
Acq: 02 Sep 2020 14:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3050
Ion Ratio Lower Upper
83 100
55 78.5 70.5 105.7
98 40.6 37.8 56.6

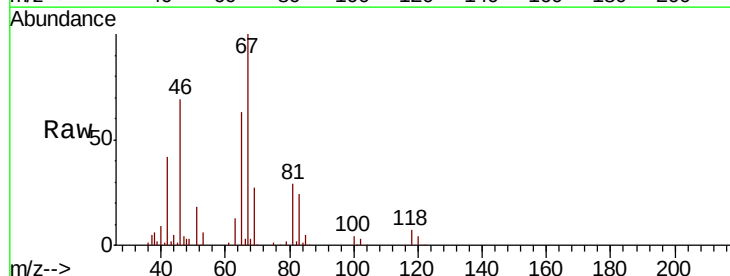


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

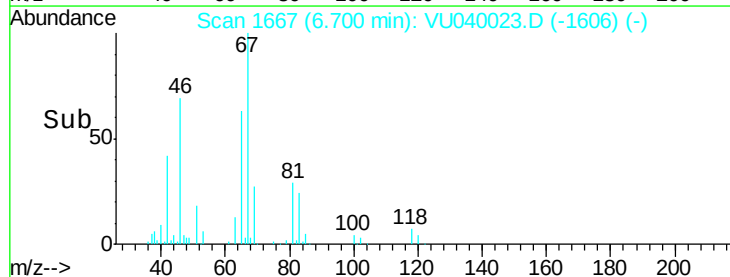
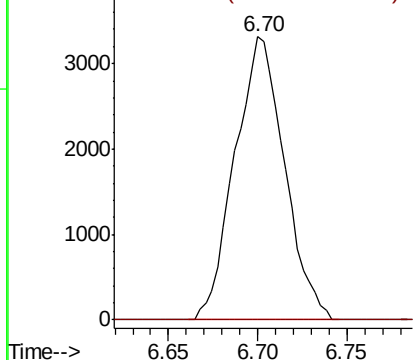


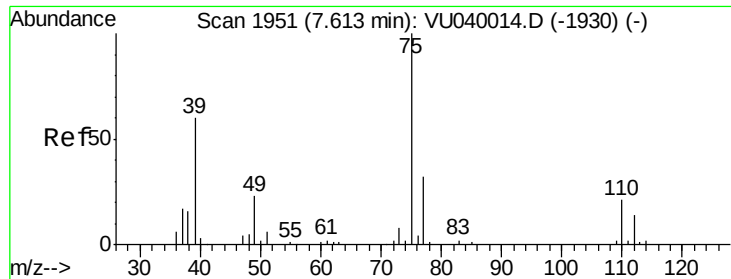
#37
1,2-Dichloropropane
Concen: 0.642 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040023.D
Acq: 02 Sep 2020 14:17

Tgt Ion: 63 Resp: 6428
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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

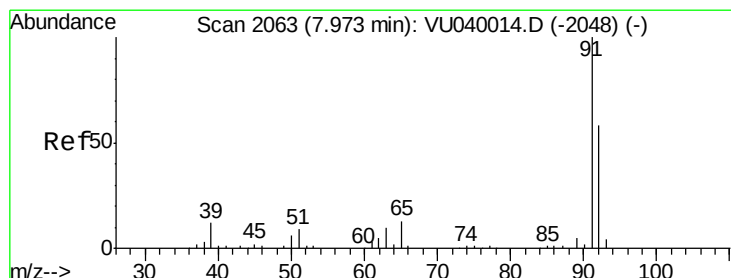
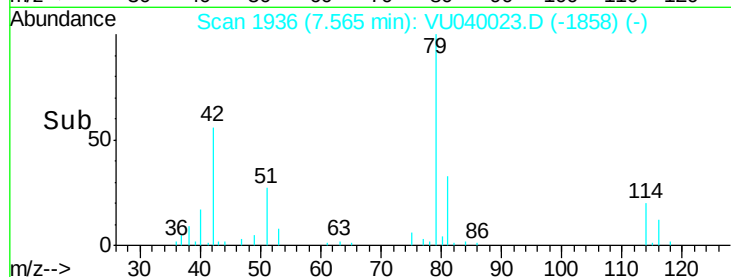
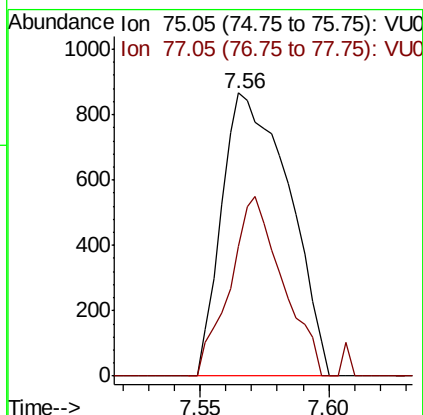
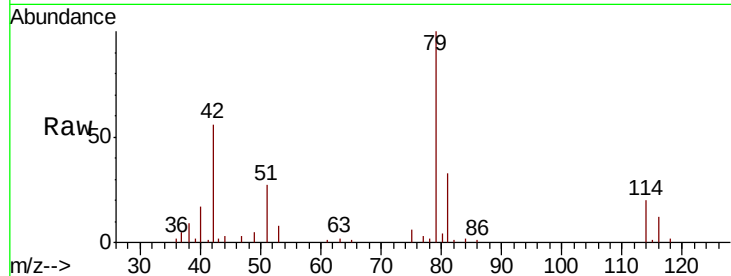




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.56 min Scan# 1936
 Delta R.T. -0.05 min
 Lab File: VU040023.D
 Acq: 02 Sep 2020 14:17

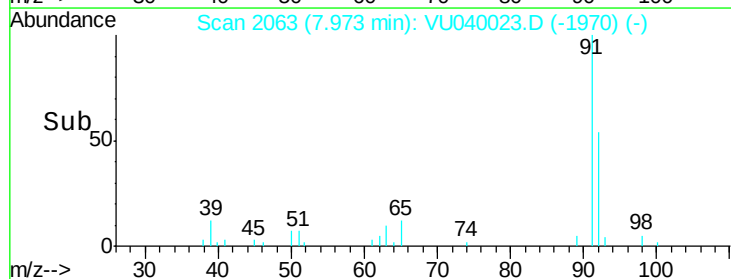
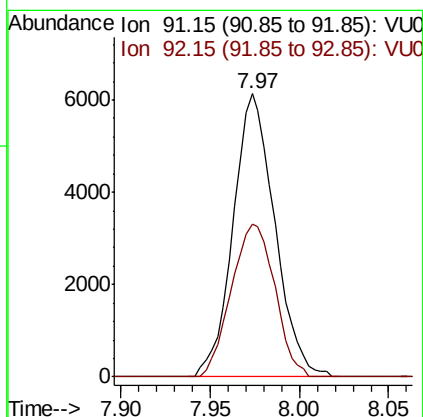
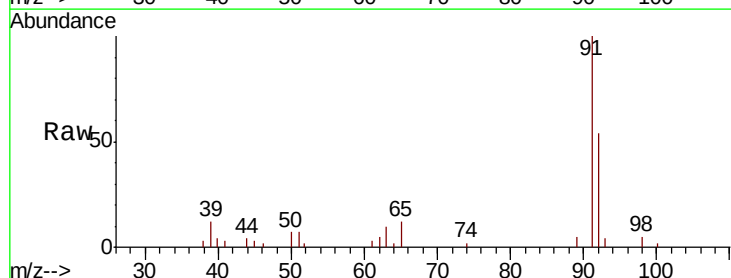
Instrument :
 MSVOA_U
 ClientSampleId :

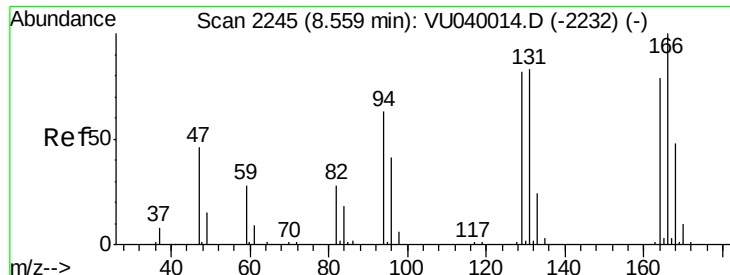
Tot Ion: 75 Resp: 1577
 Ion Ratio Lower Upper
 75 100
 77 45.8 21.1 39.3#



#42
 Toluene
 Concen: 0.261 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU040023.D
 Acq: 02 Sep 2020 14:17

Tgt Ion: 91 Resp: 9945
 Ion Ratio Lower Upper
 91 100
 92 53.8 40.7 75.5





#47

Tetrachloroethene

Concen: 0.813 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 5297

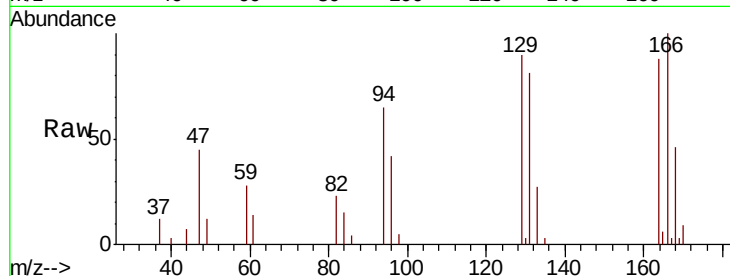
Ion Ratio Lower Upper

164 100

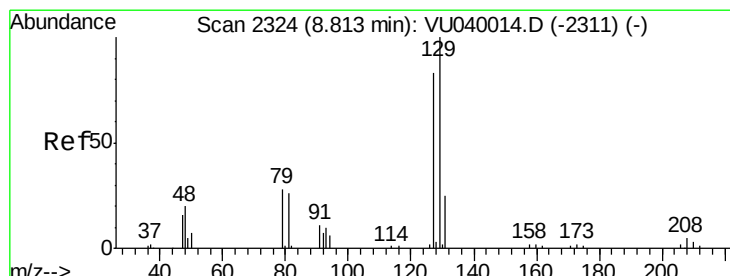
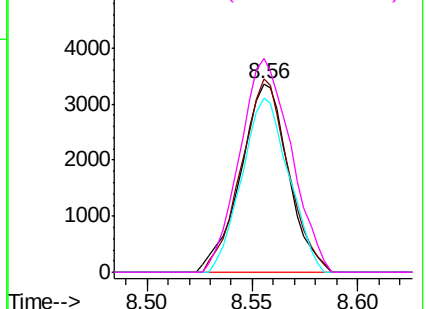
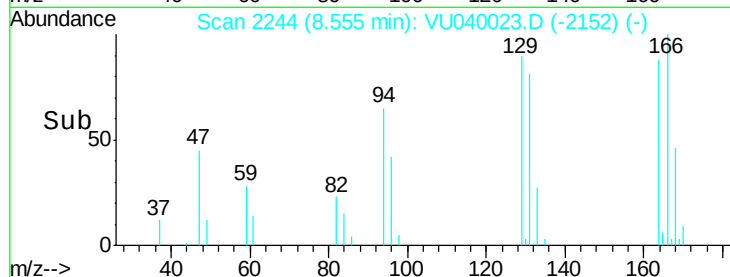
129 102.4 71.5 132.7

131 92.3 65.9 122.5

166 113.5 87.3 162.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.607 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040023.D

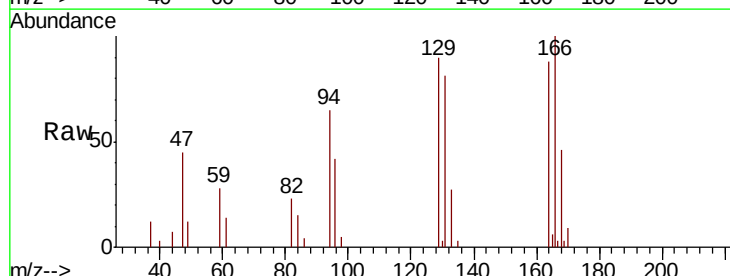
Acq: 02 Sep 2020 14:17

Tgt Ion:129 Resp: 5318

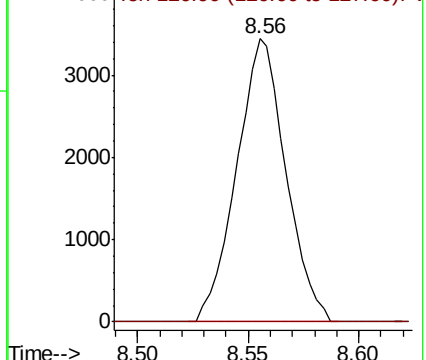
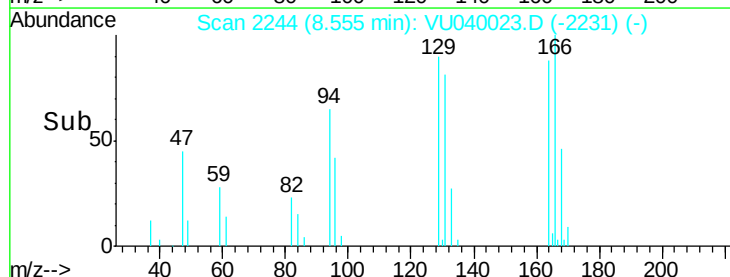
Ion Ratio Lower Upper

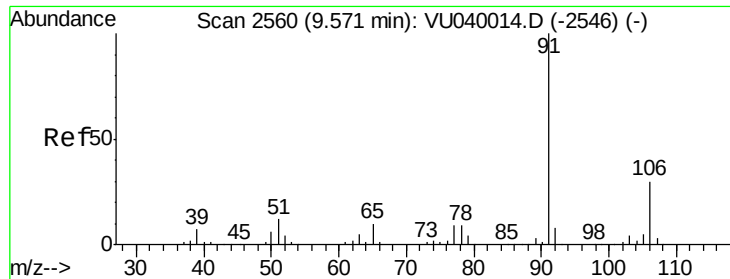
129 100

127 0.0 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

Ethylbenzene

Concen: 0.085 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

Instrument :

MSVOA_U

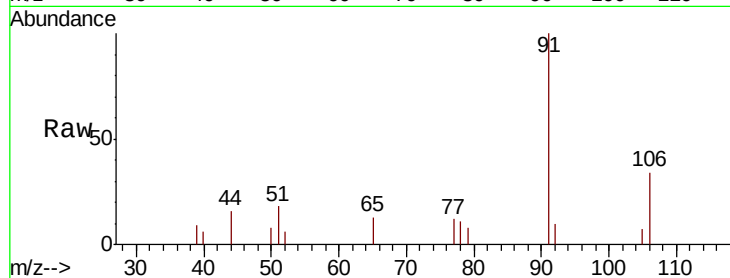
ClientSampled :

Tot Ion: 91 Resp: 3679

Ion Ratio Lower Upper

91 100

106 34.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040014.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040014.D (-2546) (-)

9.57

2500

2000

1500

1000

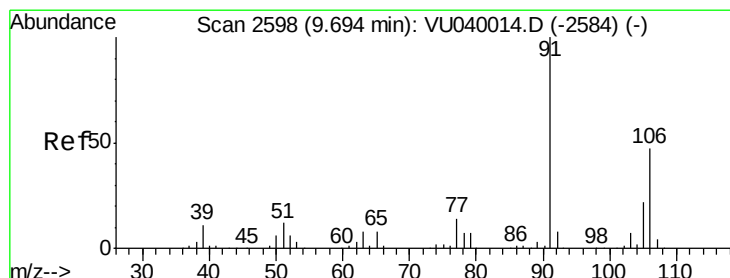
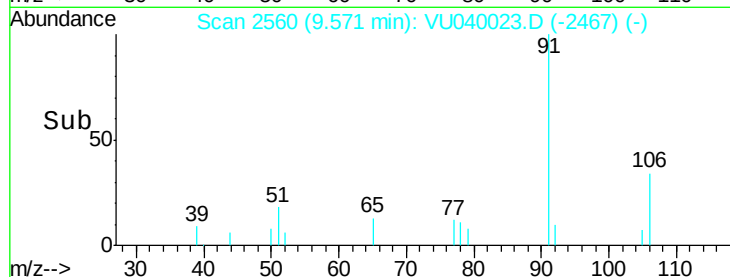
500

0

9.55

9.60

Time-->



#53

m,p-Xylene

Concen: 0.104 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.01 min

Lab File: VU040023.D

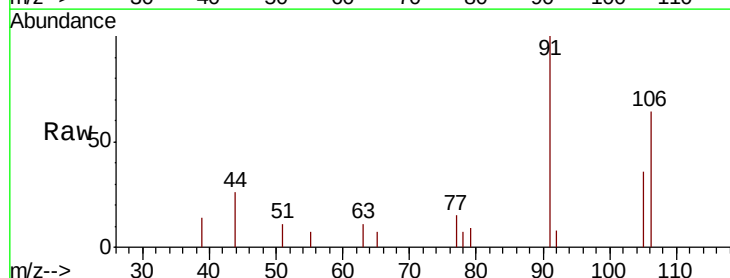
Acq: 02 Sep 2020 14:17

Tgt Ion: 106 Resp: 1605

Ion Ratio Lower Upper

106 100

91 156.4 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040014.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040014.D (-2584) (-)

9.70

2000

1500

1000

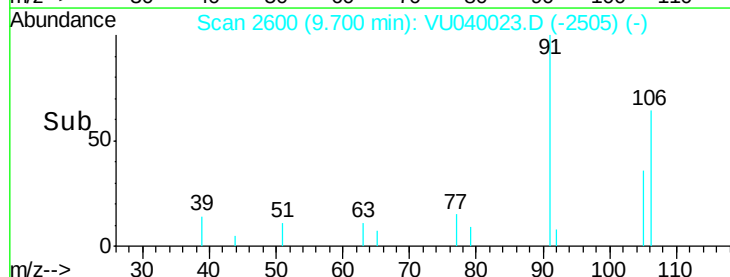
500

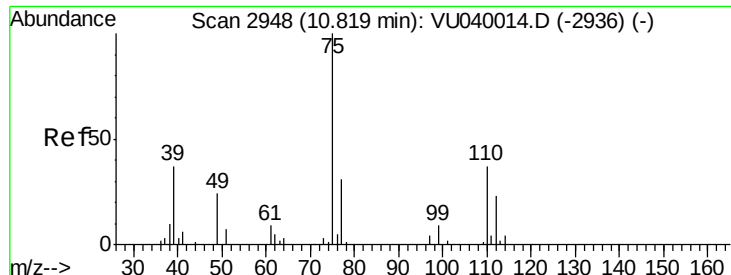
0

9.65

9.70

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.049 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU040023.D

Acq: 02 Sep 2020 14:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7784

Ion Ratio Lower Upper

75 100

77 34.7 24.9 37.3

