

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040024.D
 Acq On : 02 Sep 2020 15:02
 Operator : SY/MD
 Sample : L3891-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:22:00 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	117011	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117874	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28178	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.92	69	26182	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	52803	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.64	46	143063	55.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.98%
24) Chloroform-d	5.08	84	71598	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	46306	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	134052	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	44768	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.90	98	115860	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.19	79	18672	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	106546	53.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43184	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46341	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

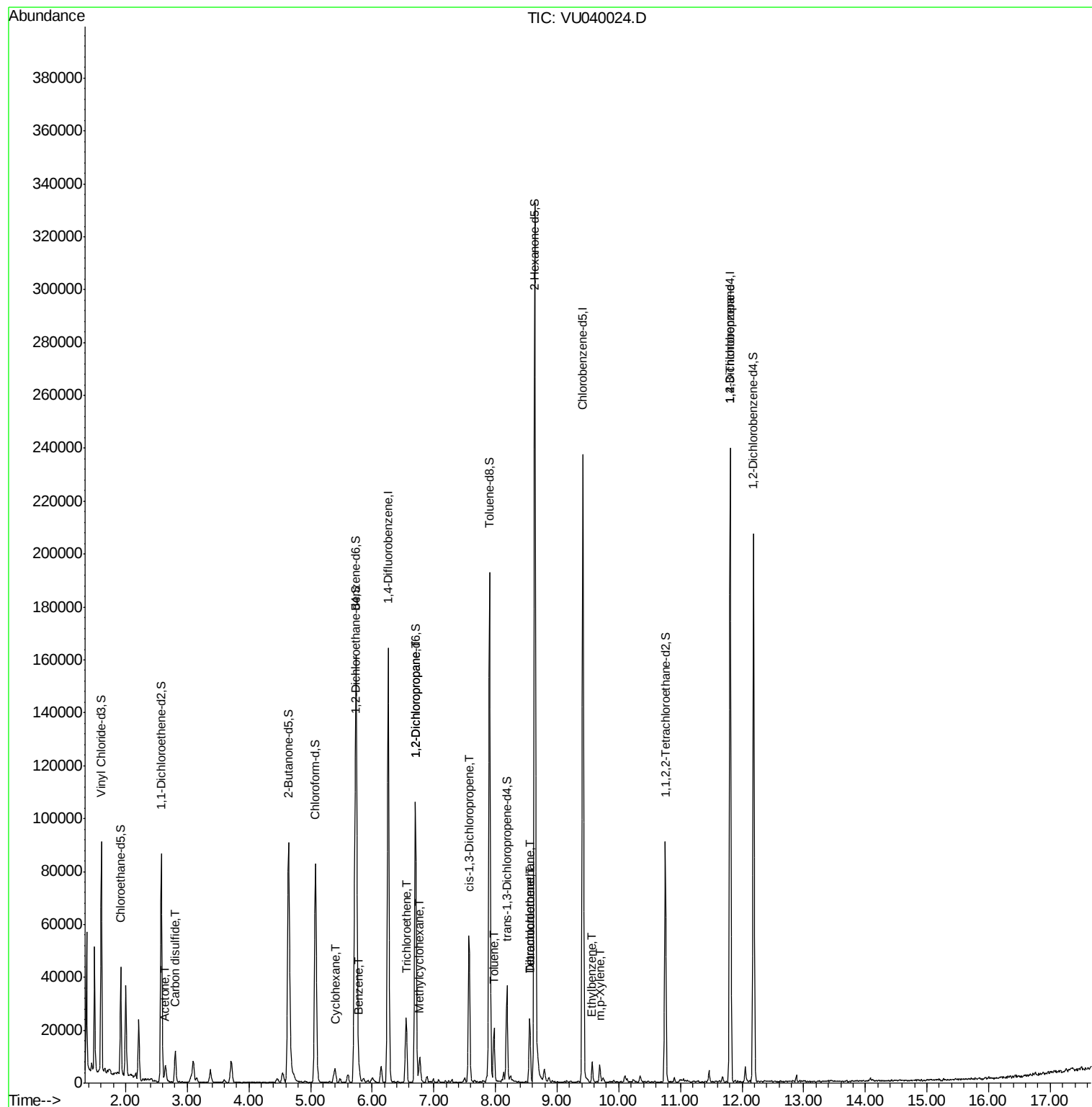
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.64	43	7625	3.223	ug/L	97
14) Carbon disulfide	2.81	76	14576	0.502	ug/L #	91
30) Cyclohexane	5.40	56	1777	0.099	ug/L #	91
33) Benzene	5.79	78	5048	0.120	ug/L	100
34) Trichloroethene	6.55	95	7777	0.688	ug/L	94
35) Methylcyclohexane	6.78	83	3097	0.179	ug/L	88
37) 1,2-Dichloropropane	6.70	63	5716	0.501	ug/L #	88
39) cis-1,3-Dichloropropene	7.56	75	1594	0.095	ug/L #	76
42) Toluene	7.97	91	13383	0.308	ug/L	99
47) Tetrachloroethene	8.56	164	4737	0.638	ug/L	97
49) Dibromochloromethane	8.56	129	4984	0.499	ug/L #	11
52) Ethylbenzene	9.57	91	5155	0.104	ug/L	93
53) m,p-Xylene	9.69	106	1771	0.101	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	8426	0.996	ug/L #	83

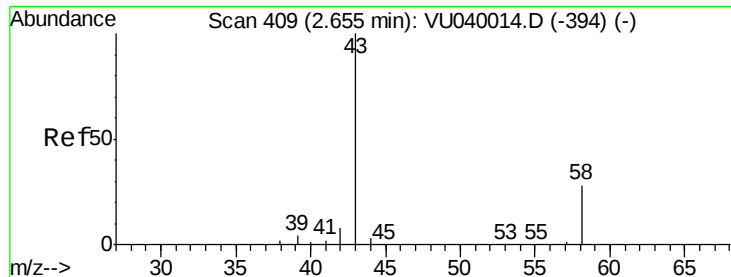
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 03 01:16:12 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.223 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU040024.D

Acq: 02 Sep 2020 15:02

Instrument :

MSVOA_U

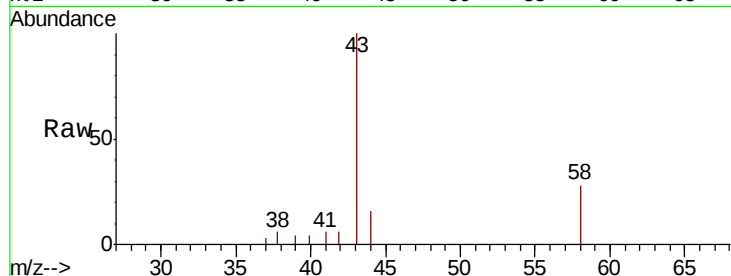
ClientSampled :

Tot Ion: 43 Resp: 7625

Ion Ratio Lower Upper

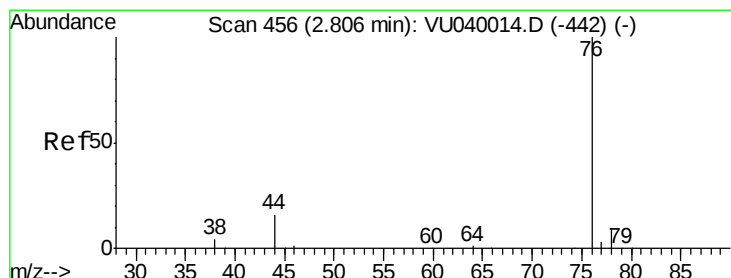
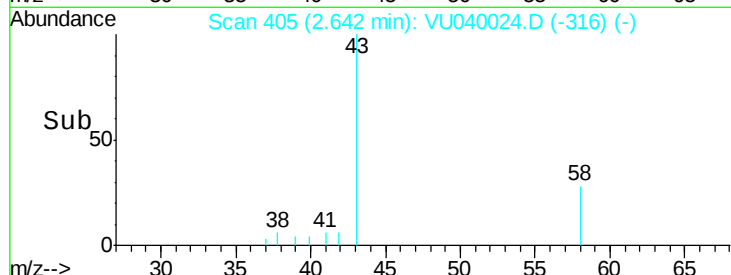
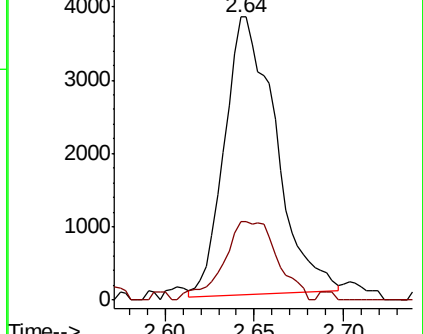
43 100

58 29.5 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.502 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040024.D

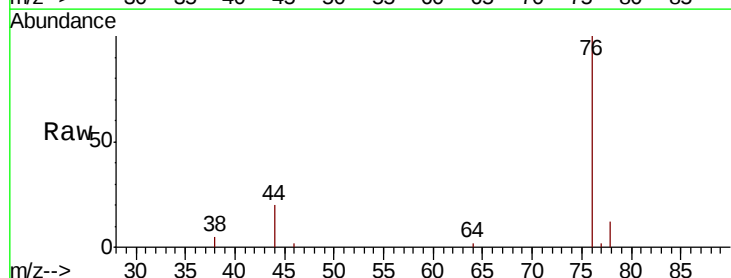
Acq: 02 Sep 2020 15:02

Tgt Ion: 76 Resp: 14576

Ion Ratio Lower Upper

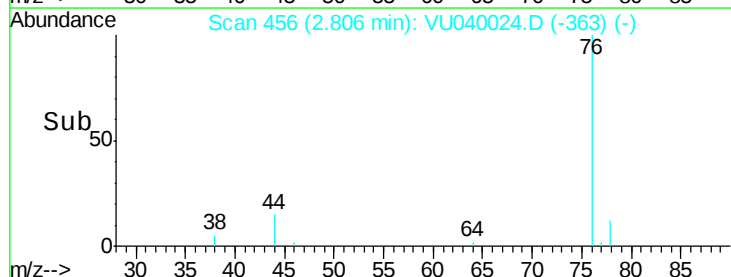
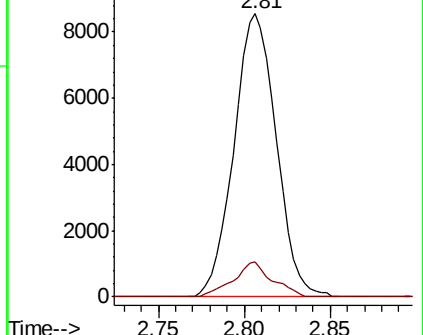
76 100

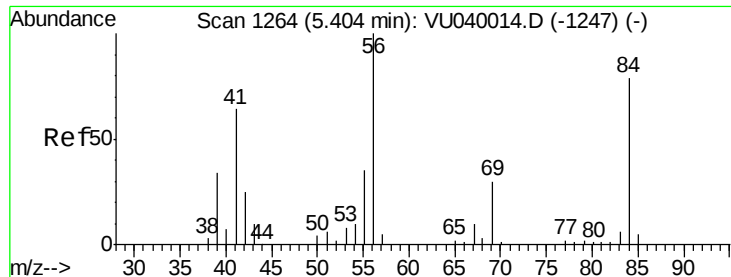
78 12.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

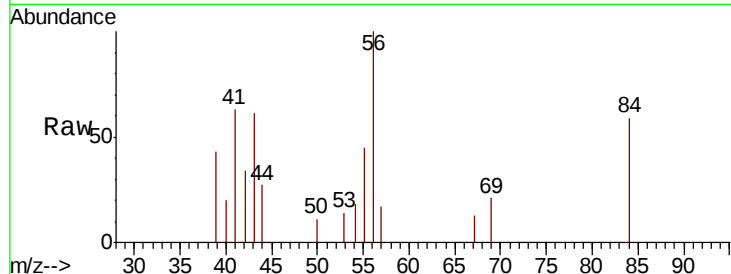




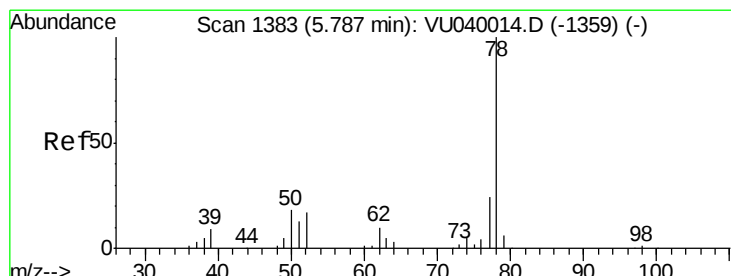
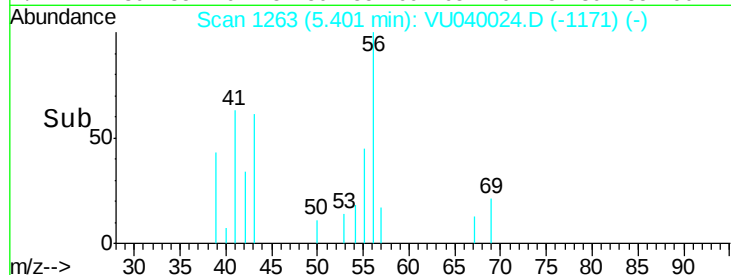
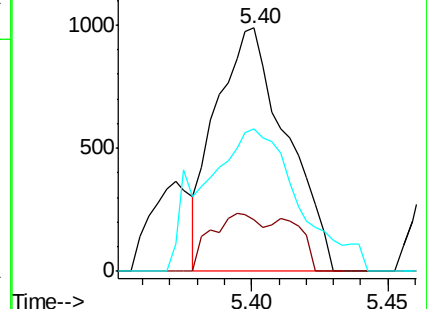
#30
Cyclohexane
Concen: 0.099 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040024.D
Acq: 02 Sep 2020 15:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 1777
Ion Ratio Lower Upper
56 100
69 16.5 24.1 36.1#
84 78.5 65.0 97.4

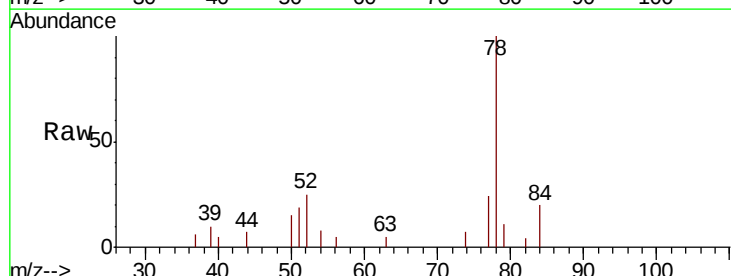


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

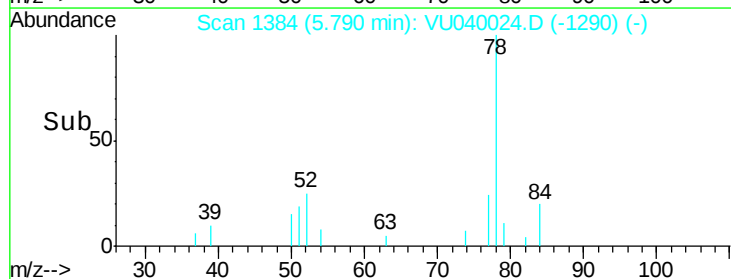
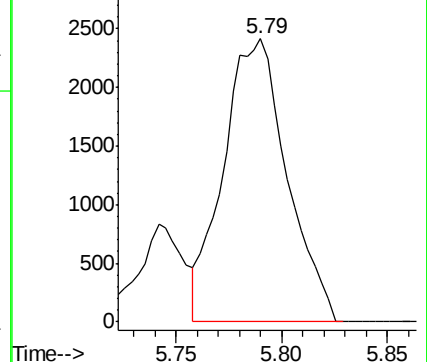


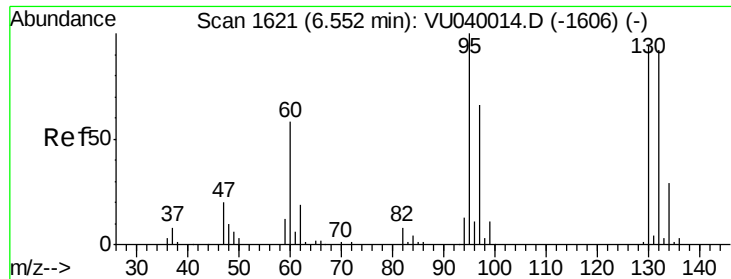
#33
Benzene
Concen: 0.120 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040024.D
Acq: 02 Sep 2020 15:02

Tgt Ion: 78 Resp: 5048



Abundance Ion 78.10 (77.80 to 78.80): VU0

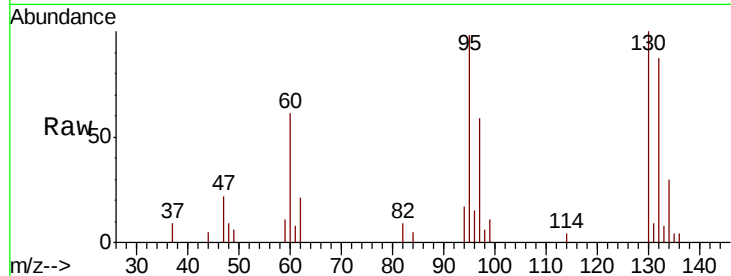




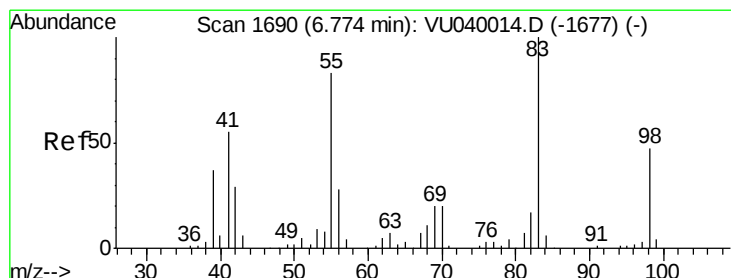
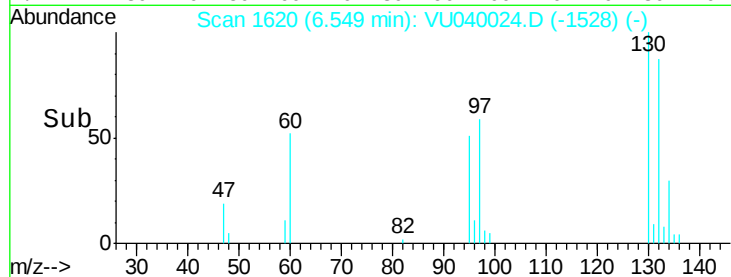
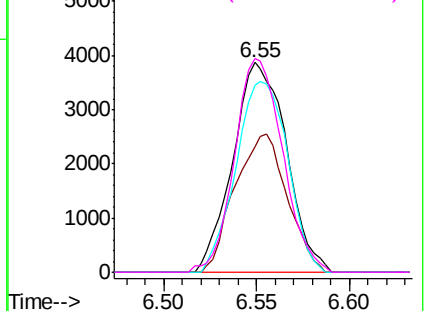
#34
 Trichloroethene
 Concen: 0.688 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040024.D
 Acq: 02 Sep 2020 15:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 7777
 Ion Ratio Lower Upper
 95 100
 97 59.8 43.3 80.5
 132 89.0 59.4 110.4
 130 102.0 64.8 120.4

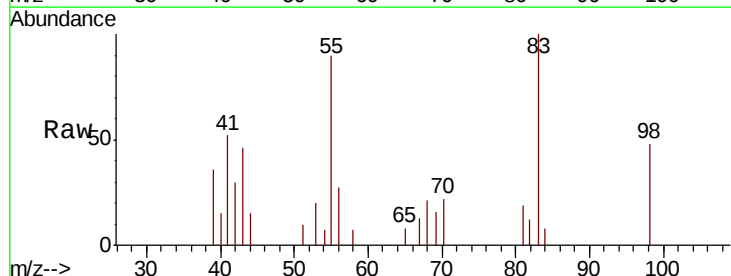


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

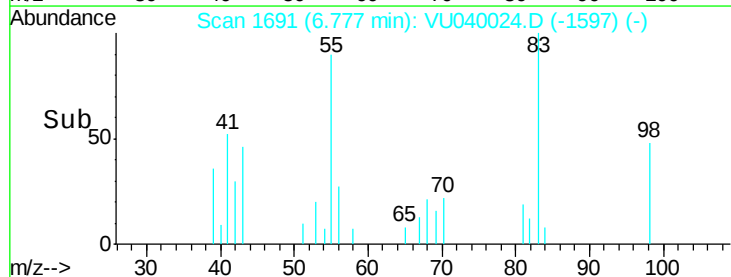
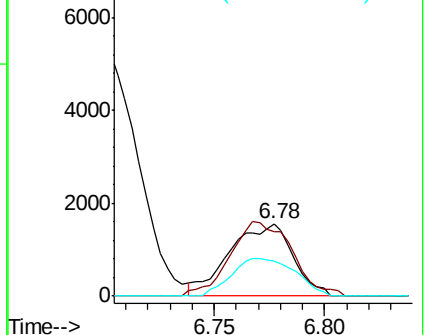


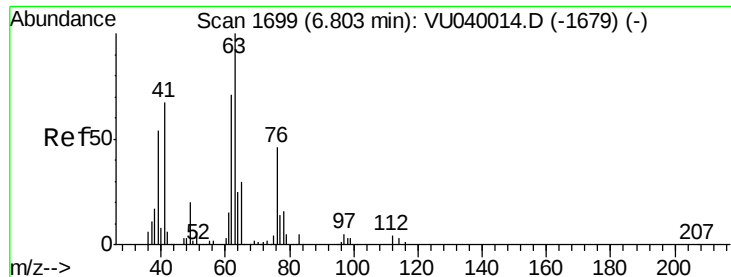
#35
 Methylcyclohexane
 Concen: 0.179 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040024.D
 Acq: 02 Sep 2020 15:02

Tgt Ion: 83 Resp: 3097
 Ion Ratio Lower Upper
 83 100
 55 100.9 70.5 105.7
 98 52.3 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

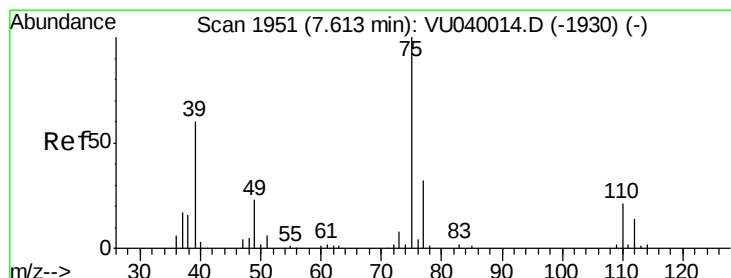
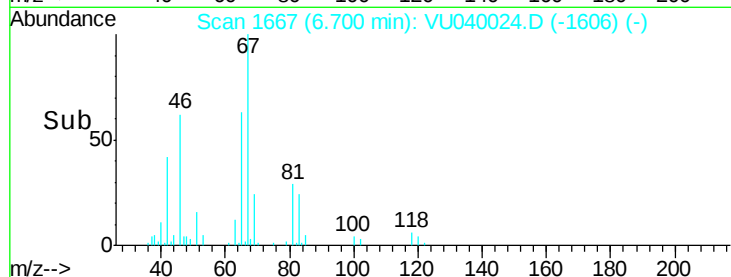
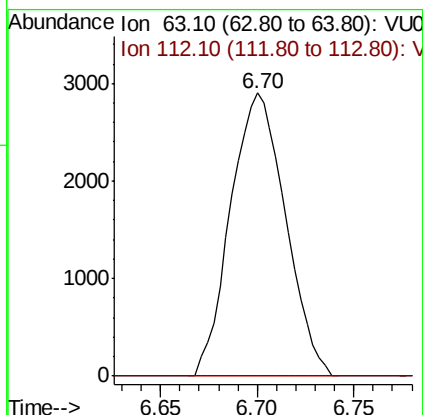
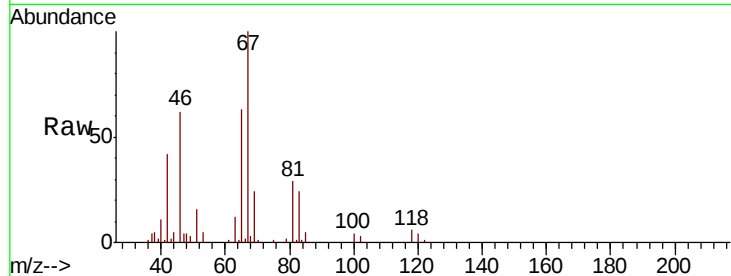




#37
 1,2-Dichloropropane
 Concen: 0.501 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040024.D
 Acq: 02 Sep 2020 15:02

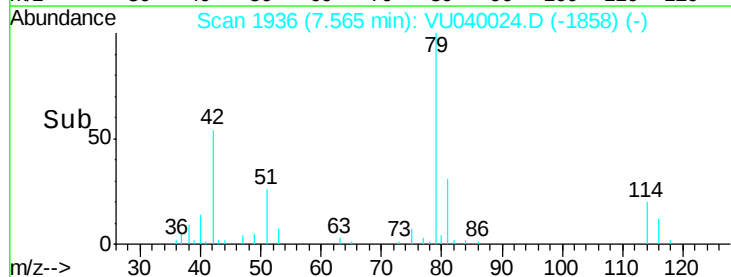
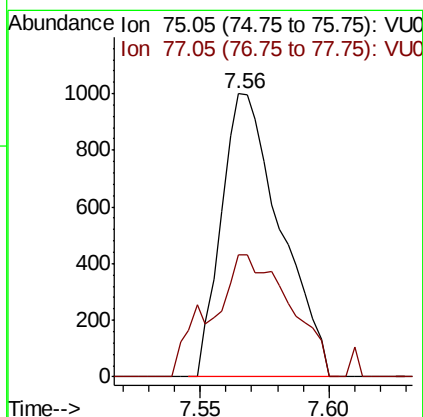
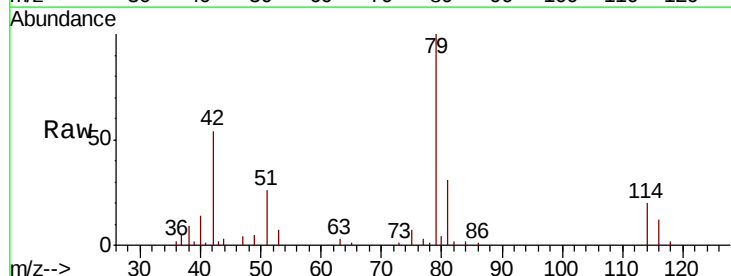
Instrument :
 MSVOA_U
 ClientSampleId :

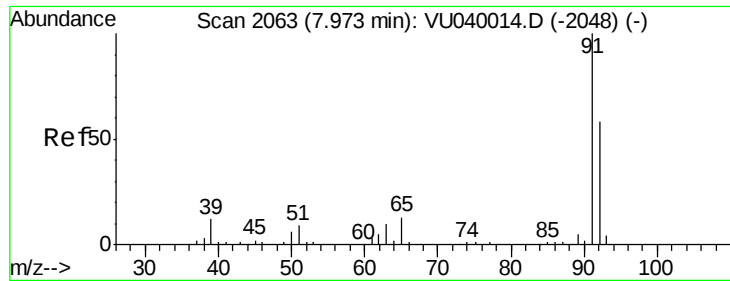
Tot Ion: 63 Resp: 5716
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.56 min Scan# 1936
 Delta R.T. -0.05 min
 Lab File: VU040024.D
 Acq: 02 Sep 2020 15:02

Tgt Ion: 75 Resp: 1594
 Ion Ratio Lower Upper
 75 100
 77 43.2 21.1 39.3#





#42

Toluene

Concen: 0.308 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040024.D

Acq: 02 Sep 2020 15:02

Instrument :

MSVOA_U

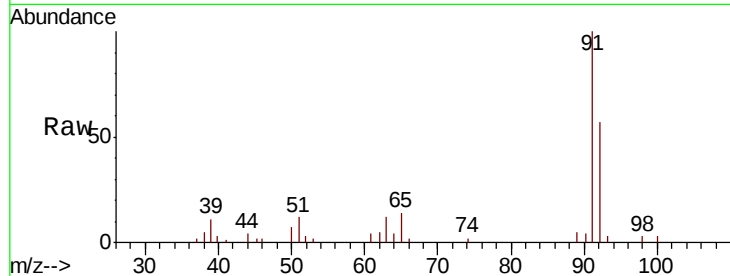
ClientSampled :

Tot Ion: 91 Resp: 13383

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040024.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040024.D (-1970) (-)

7.97

8000

6000

4000

2000

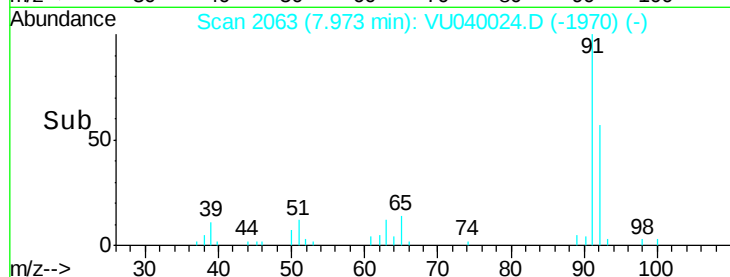
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Time-->

7.90

7.95

8.00



#47

Tetrachloroethene

Concen: 0.638 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040024.D

Acq: 02 Sep 2020 15:02

Tgt Ion: 164 Resp: 4737

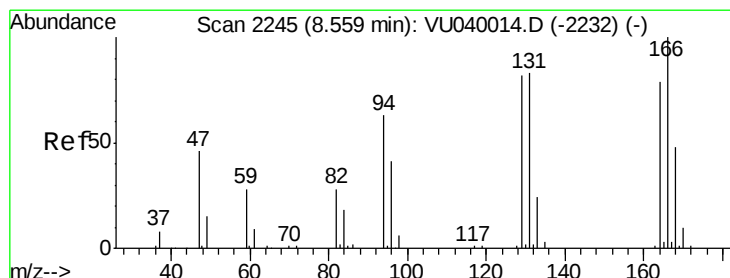
Ion Ratio Lower Upper

164 100

129 103.1 71.5 132.7

131 95.4 65.9 122.5

166 131.0 87.3 162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040024.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040024.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040024.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040024.D (-2152) (-)

8.56

6000

5000

4000

3000

2000

1000

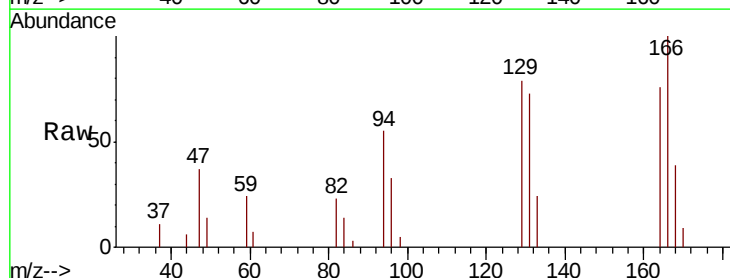
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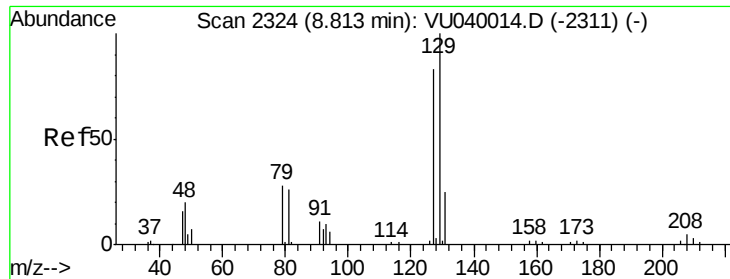
Time-->

8.50

8.55

8.60





#49

Dibromochloromethane

Concen: 0.499 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040024.D

Acq: 02 Sep 2020 15:02

Instrument :

MSVOA_U

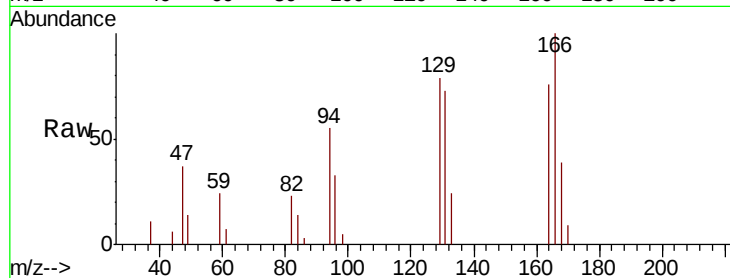
ClientSampleId :

Tot Ion:129 Resp: 4984

Ion Ratio Lower Upper

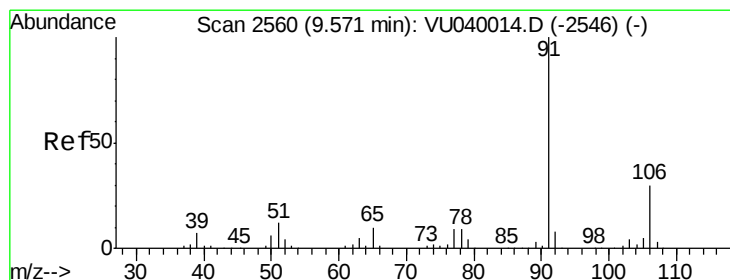
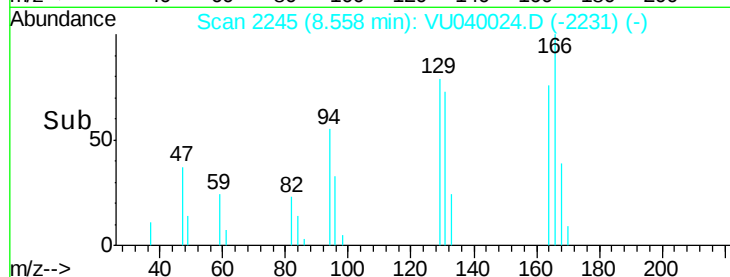
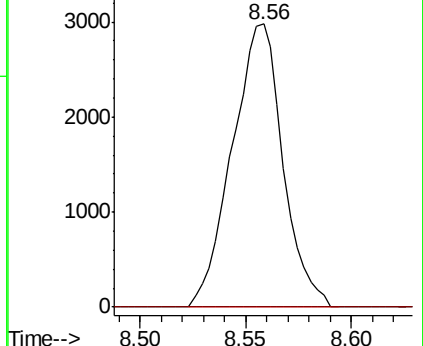
129 100

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: 0.104 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU040024.D

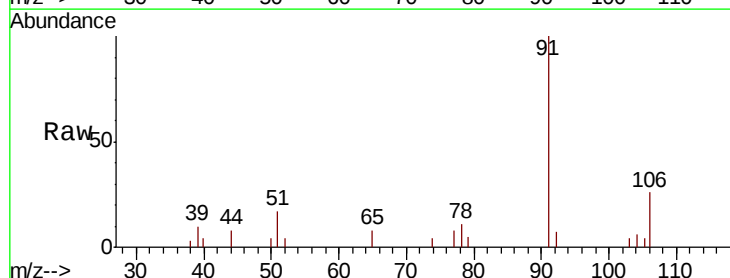
Acq: 02 Sep 2020 15:02

Tgt Ion: 91 Resp: 5155

Ion Ratio Lower Upper

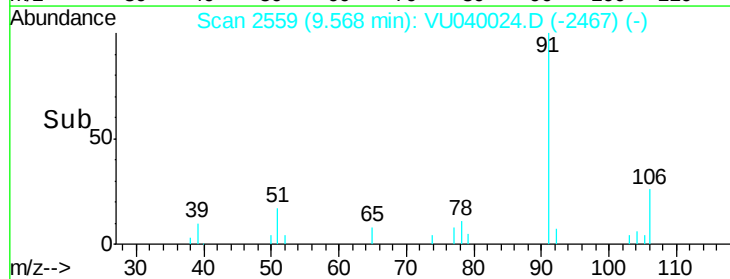
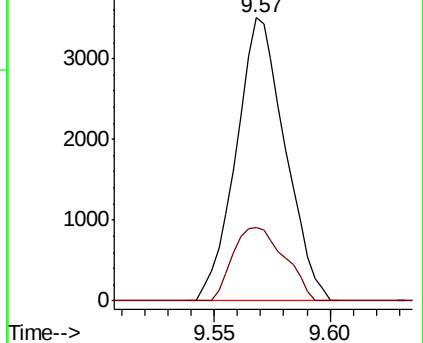
91 100

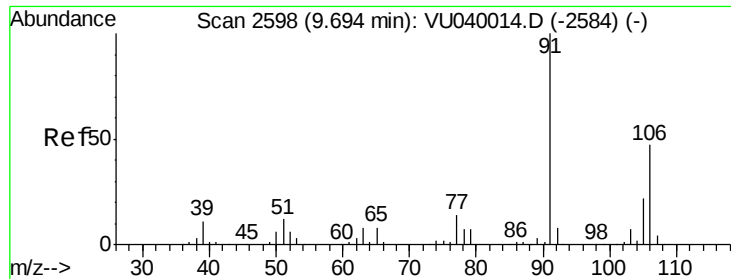
106 26.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

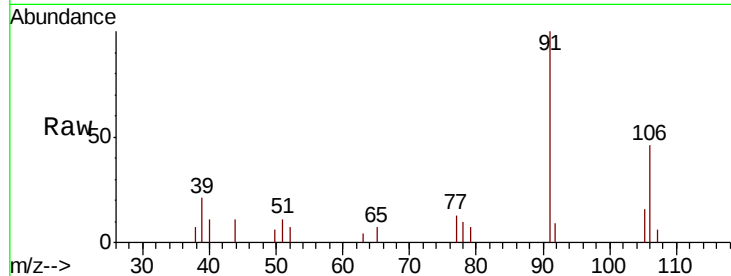




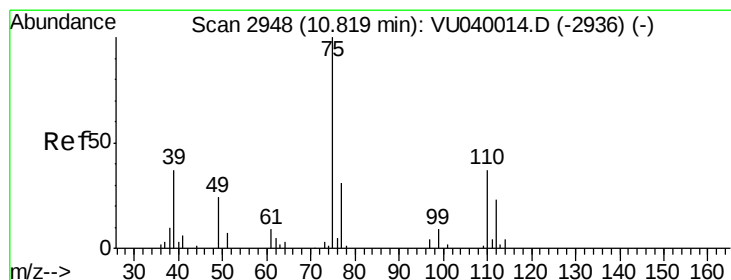
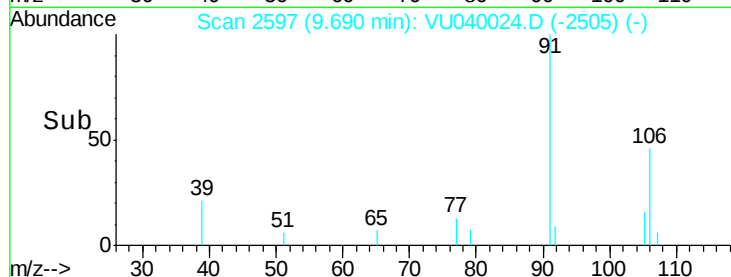
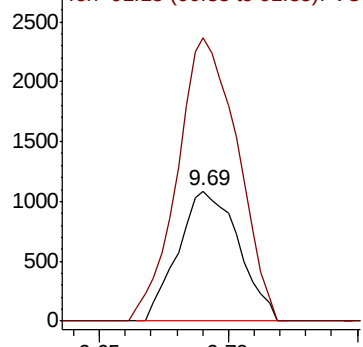
#53
m,p-Xylene
Concen: 0.101 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU040024.D
Acq: 02 Sep 2020 15:02

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 1771
Ion Ratio Lower Upper
106 100
91 218.1 151.7 281.7

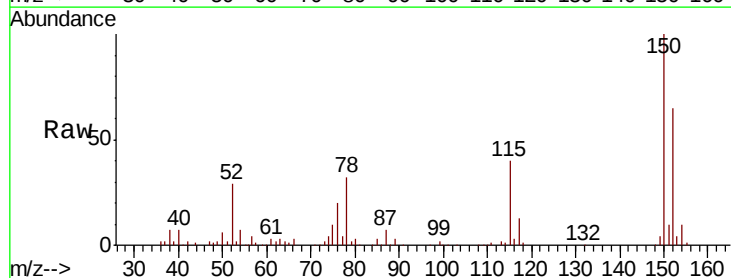


Abundance Ion 106.15 (105.85 to 106.85): VU040014.D (-2584) (-)
Ion 91.15 (90.85 to 91.85): VU040014.D (-2584) (-)



#59
1,2,3-Trichloropropane
Concen: 0.996 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU040024.D
Acq: 02 Sep 2020 15:02

Tgt Ion: 75 Resp: 8426
Ion Ratio Lower Upper
75 100
77 40.5 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU040014.D (-2936) (-)
Ion 77.00 (76.70 to 77.70): VU040014.D (-2936) (-)

