

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110519\
 Data File : VU035625.D
 Acq On : 05 Nov 2019 13:05
 Operator : JC/SP
 Sample : K5631-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE882

Quant Time: Nov 06 03:06:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 03:03:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	650833	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	630773	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	215841	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	184303	35.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.12%
7) Chloroethane-d5	1.93	69	170616	40.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.28%
11) 1,1-Dichloroethene-d2	2.60	63	248620	30.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.82%
21) 2-Butanone-d5	4.69	46	274887	89.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.52%
24) Chloroform-d	5.11	84	361471	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.75	65	228492	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
32) Benzene-d6	5.77	84	755449	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
36) 1,2-Dichloropropane-d6	6.74	67	252245	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.93	98	678482	43.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.50%
43) trans-1,3-Dichloropropene-	8.21	79	109782	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
47) 2-Hexanone-d5	8.68	63	185523	90.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.78%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	343948	45.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.72%
64) 1,2-Dichlorobenzene-d4	12.22	152	206884	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

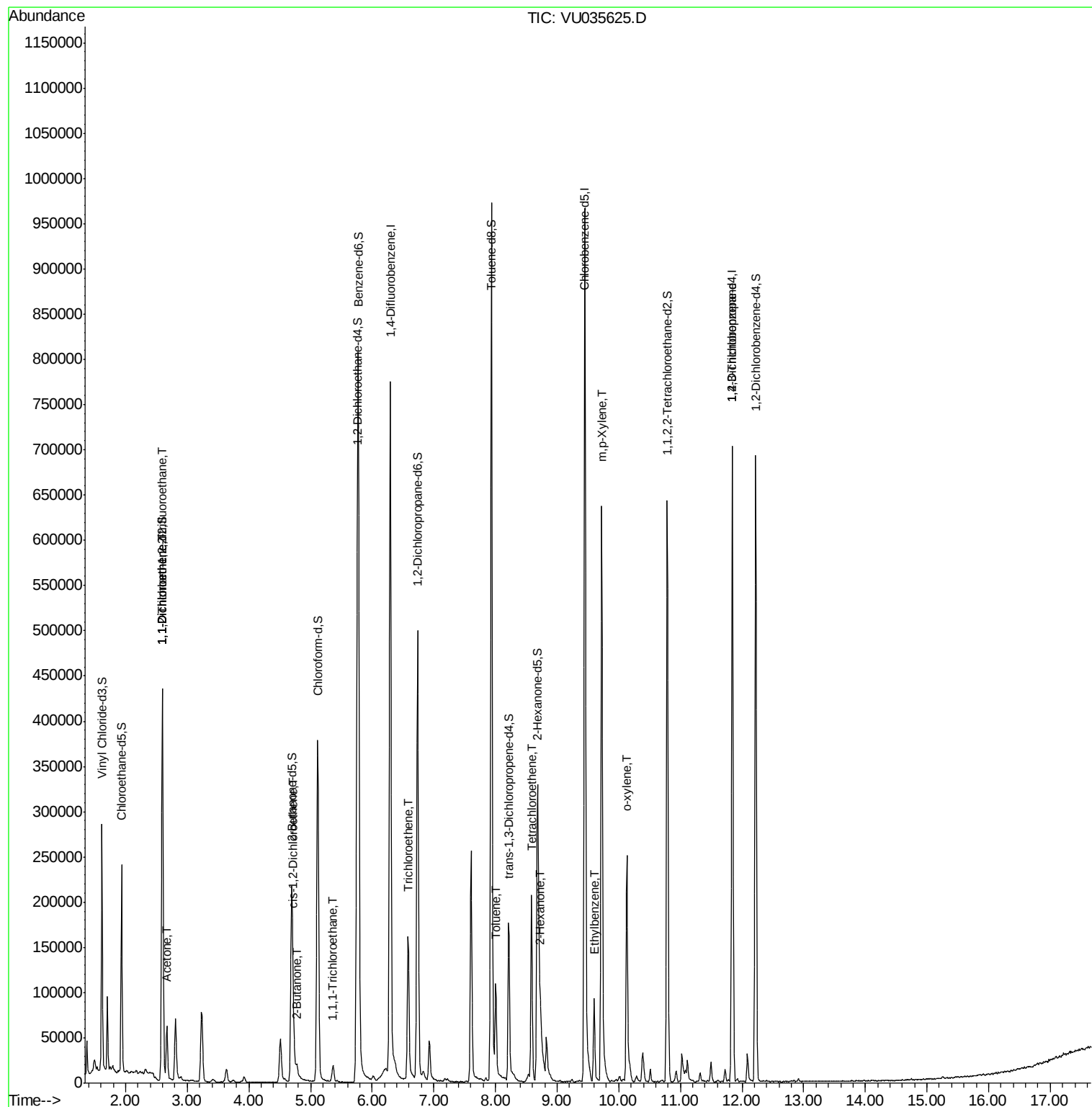
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5509	1.361	ug/L #	59
12) 1,1-Dichloroethene	2.61	96	10895	2.740	ug/L #	1
13) Acetone	2.67	43	63773	23.606	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	13291	2.815	ug/L	97
22) 2-Butanone	4.78	43	15646	4.387	ug/L	85
30) 1,1,1-Trichloroethane	5.37	97	12729	1.920	ug/L	98
34) Trichloroethene	6.58	95	52983	11.756	ug/L	97
42) Toluene	8.01	91	74903	4.031	ug/L	98
46) Tetrachloroethene	8.58	164	50264	13.338	ug/L	98
48) 2-Hexanone	8.73	43	21530	4.169	ug/L #	90
52) Ethylbenzene	9.60	91	67557	3.401	ug/L	100
53) m,p-Xylene	9.72	106	205273	27.541	ug/L	96
54) o-xylene	10.13	106	73624	10.107	ug/L	97
59) 1,2,3-Trichloropropane	11.84	75	23604	3.813	ug/L	99

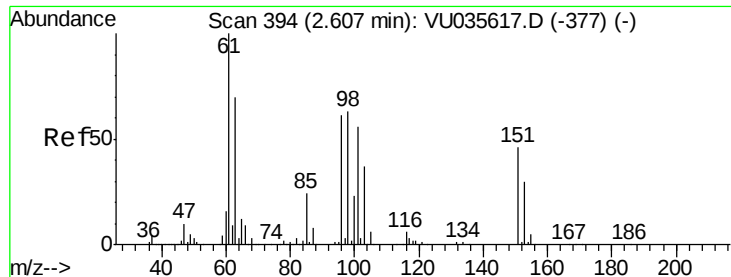
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 1.361 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

BE882

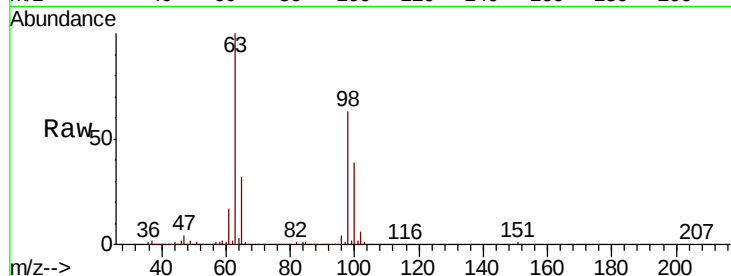
Tot Ion:101 Resp: 5509

Ion Ratio Lower Upper

101 100

85 21.6 34.0 51.0#

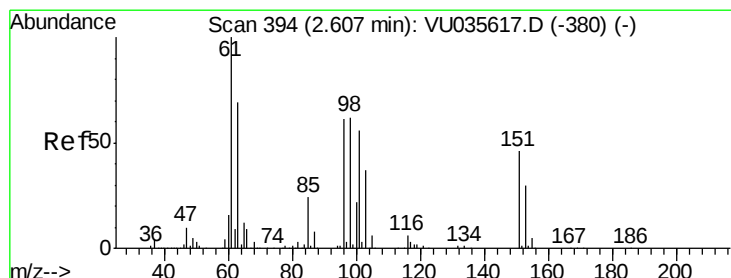
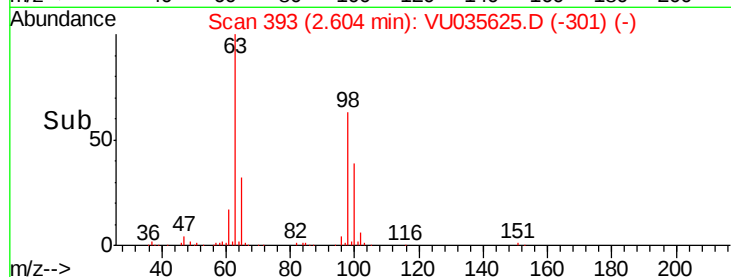
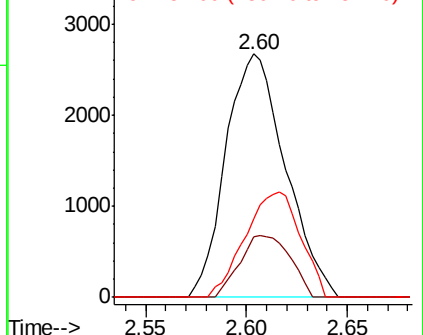
151 40.1 64.2 96.4#



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: 2.740 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

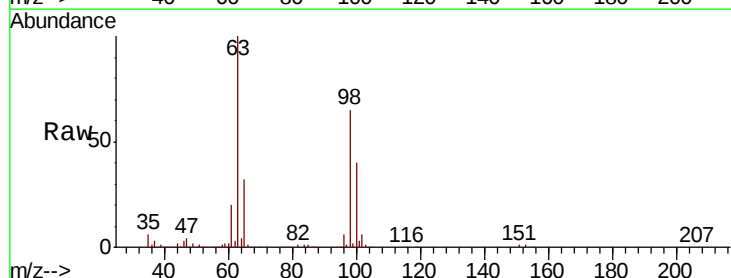
Tgt Ion: 96 Resp: 10895

Ion Ratio Lower Upper

96 100

61 329.1 113.1 210.1#

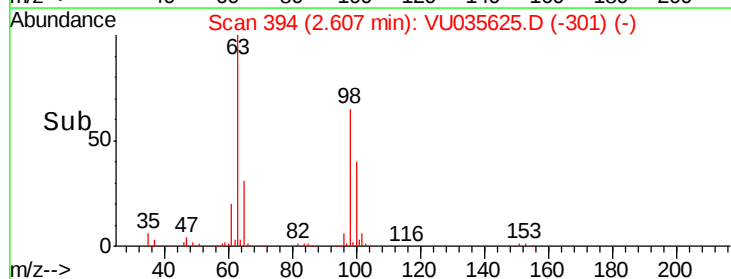
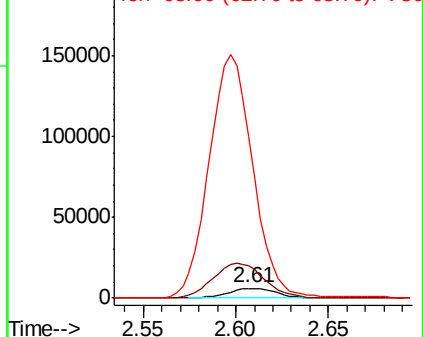
63 1672.2 76.2 141.4#

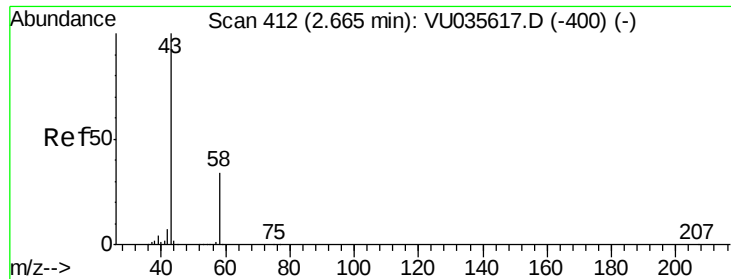


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 23.606 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

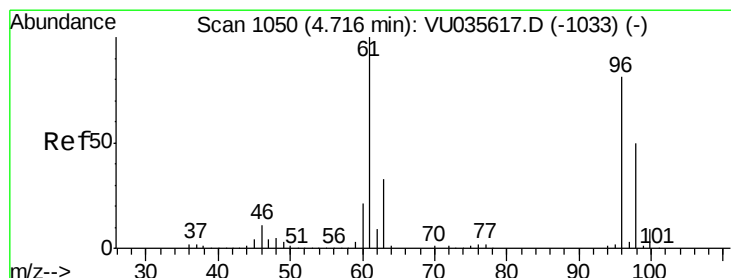
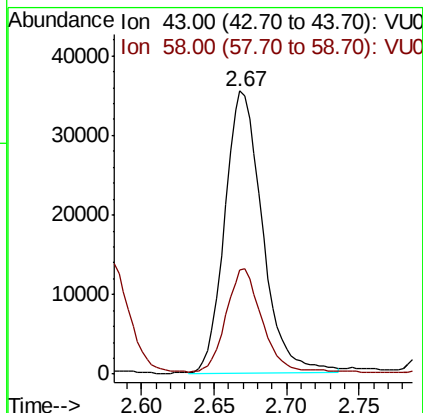
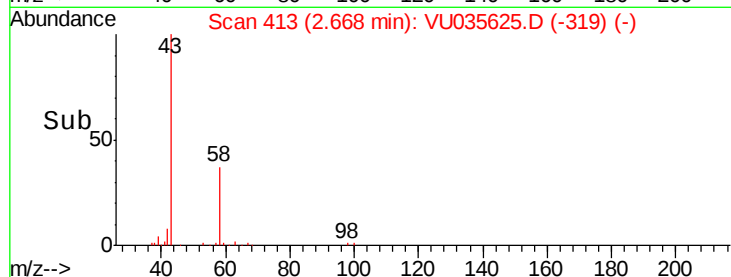
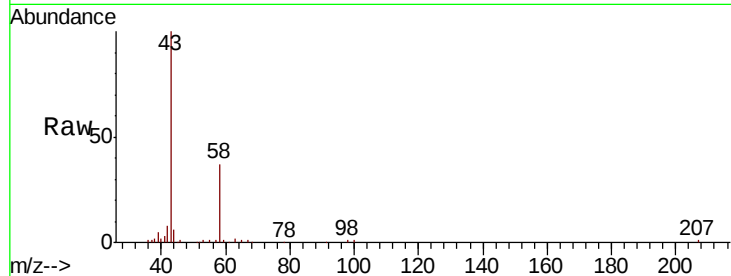
BE882

Tot Ion: 43 Resp: 63773

Ion Ratio Lower Upper

43 100

58 33.9 0.0 70.0



#20

cis-1,2-Dichloroethene

Concen: 2.815 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

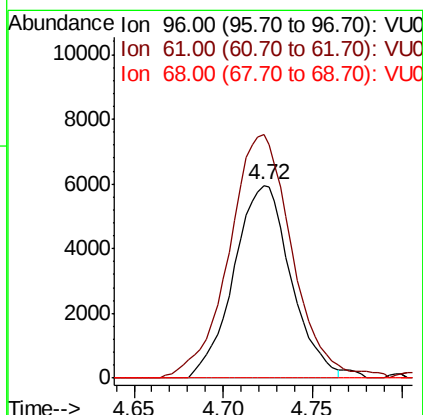
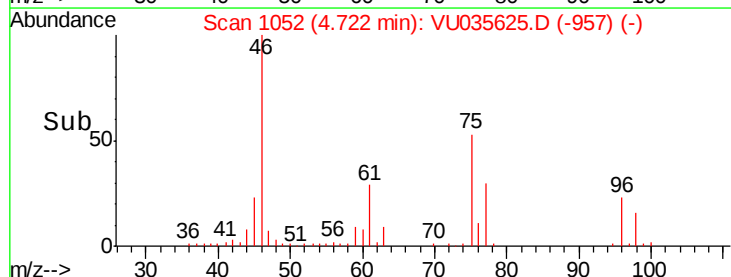
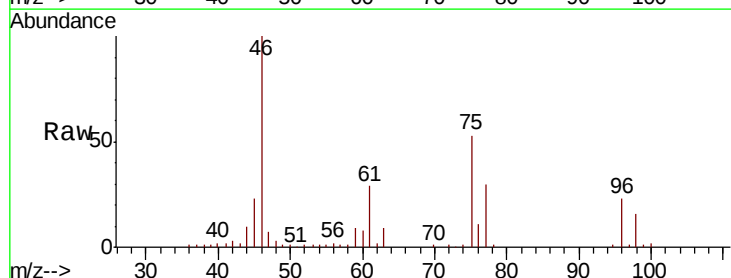
Tgt Ion: 96 Resp: 13291

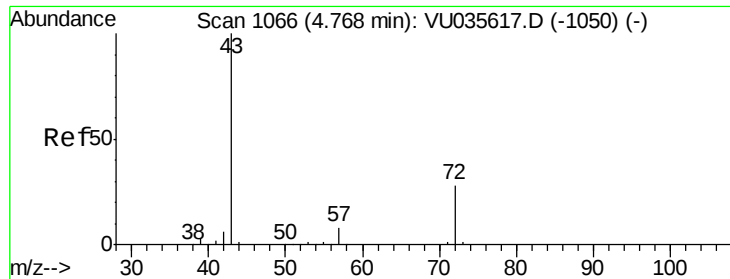
Ion Ratio Lower Upper

96 100

61 126.3 90.6 168.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.387 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

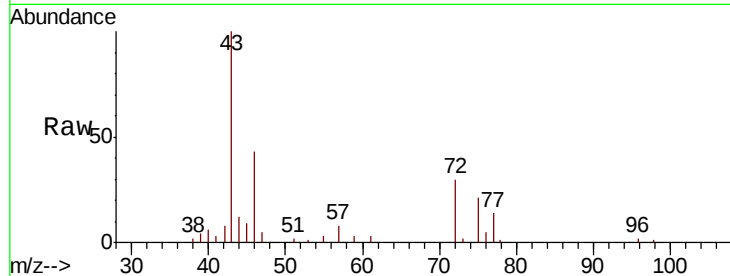
BE882

Tot Ion: 43 Resp: 15646

Ion Ratio Lower Upper

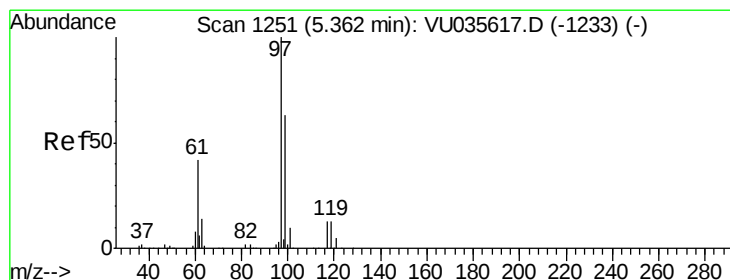
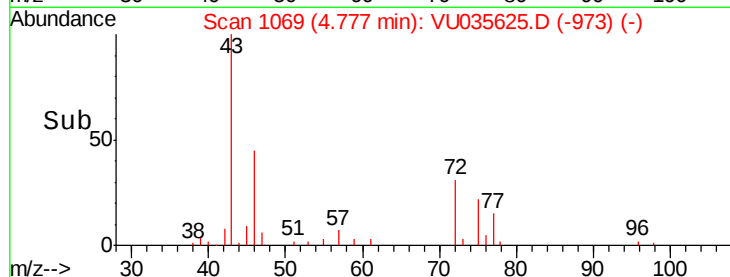
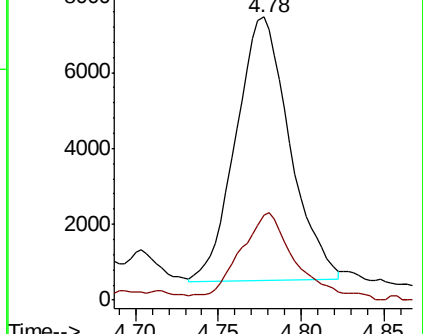
43 100

72 34.4 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035617.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU035617.D (-1050) (-)



#30

1,1,1-Trichloroethane

Concen: 1.920 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

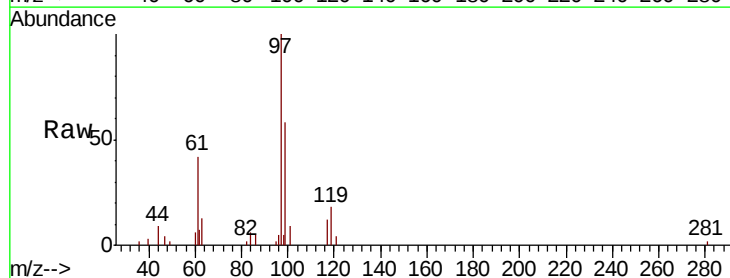
Tgt Ion: 97 Resp: 12729

Ion Ratio Lower Upper

97 100

99 66.1 51.5 77.3

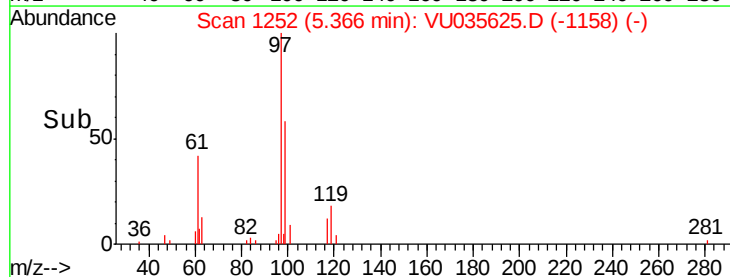
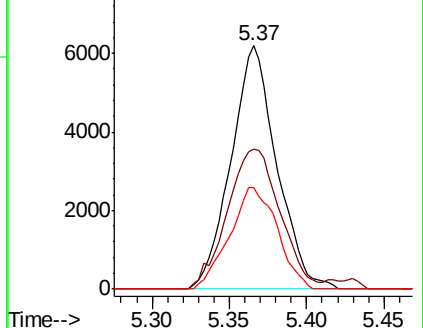
61 43.6 35.1 52.7

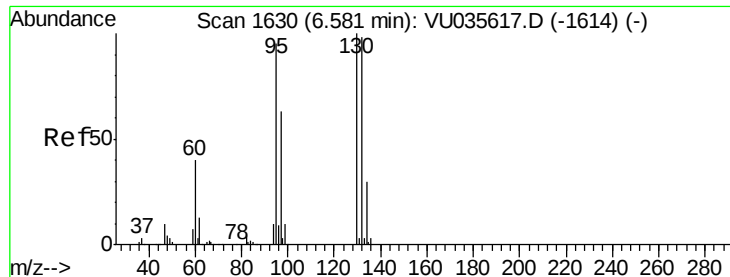


Abundance Ion 97.00 (96.70 to 97.70): VU035617.D (-1233) (-)

Ion 99.00 (98.70 to 99.70): VU035617.D (-1233) (-)

Ion 61.05 (60.75 to 61.75): VU035617.D (-1233) (-)





#34

Trichloroethene

Concen: 11.756 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

BE882

Tot Ion: 95 Resp: 52983

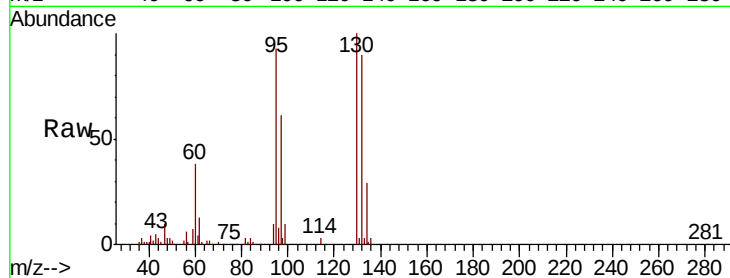
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 95.9 69.9 129.7

130 107.0 73.1 135.7

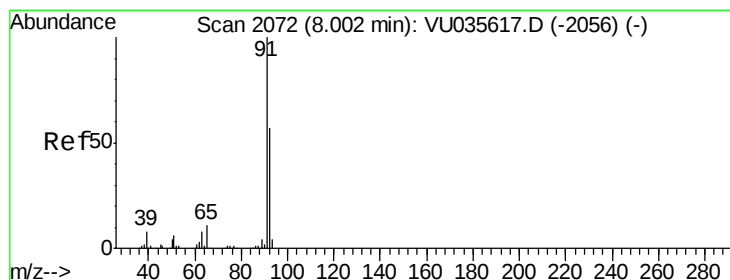
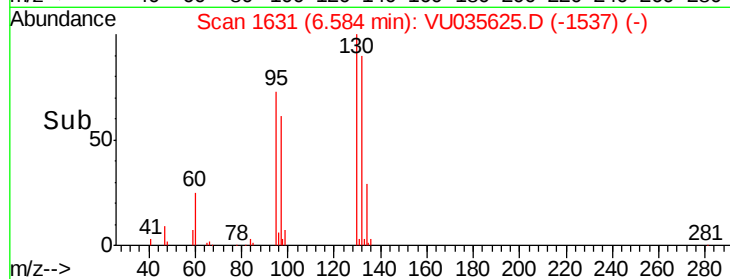
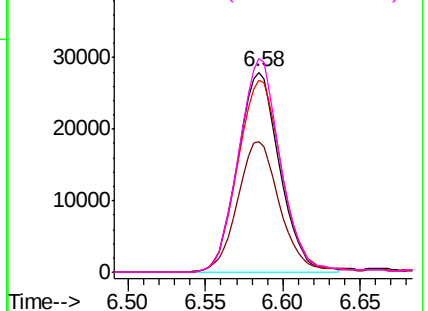


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 4.031 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035625.D

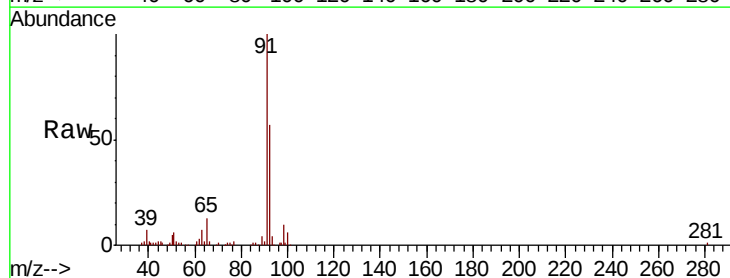
Acq: 05 Nov 2019 13:05

Tgt Ion: 91 Resp: 74903

Ion Ratio Lower Upper

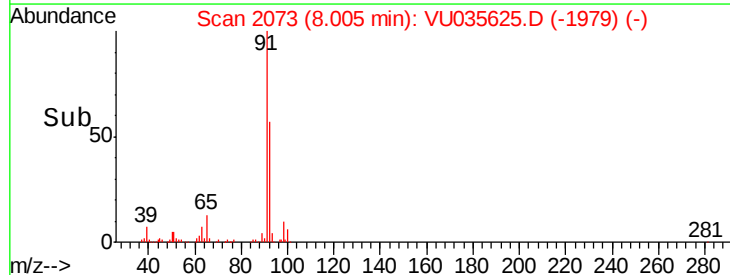
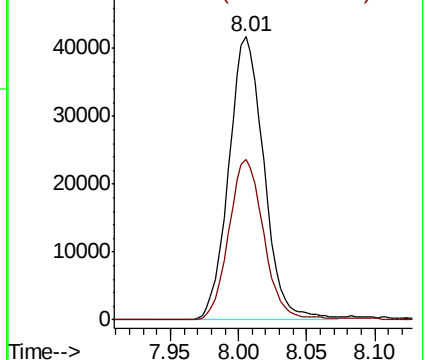
91 100

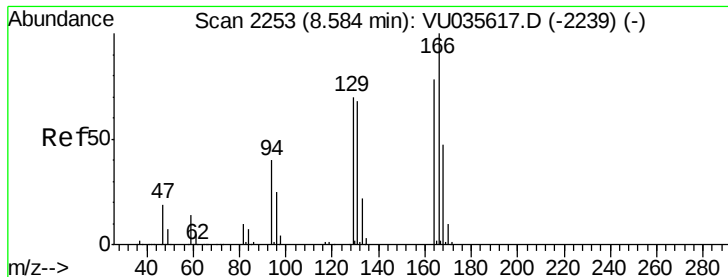
92 56.7 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 13.338 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

BE882

Tot Ion:164 Resp: 50264

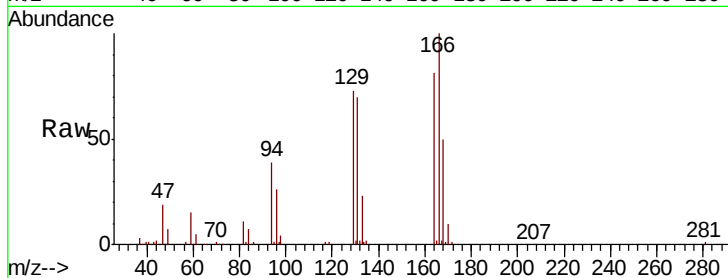
Ion Ratio Lower Upper

164 100

129 90.9 64.1 119.1

131 87.0 63.1 117.1

166 123.9 88.5 164.3

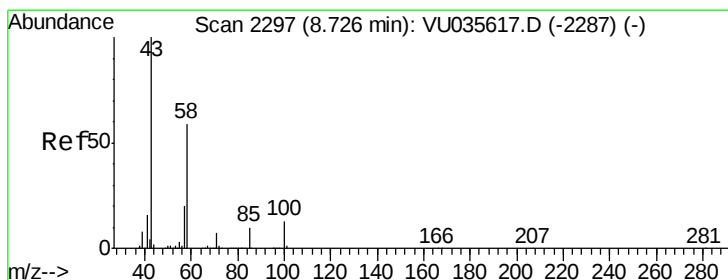
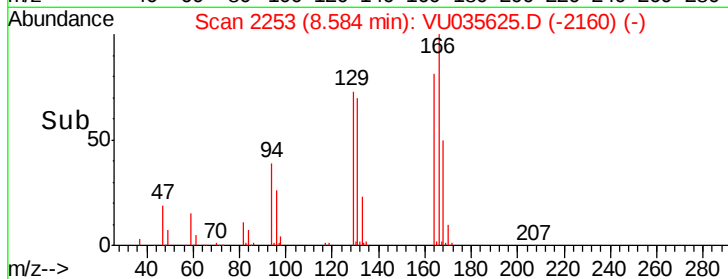
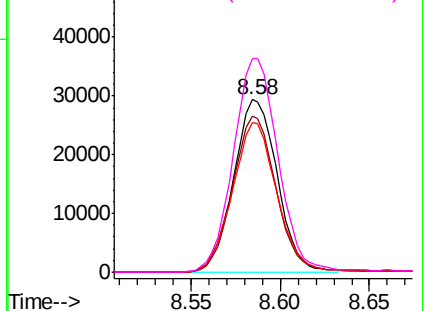


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.169 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. 0.01 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Tgt Ion: 43 Resp: 21530

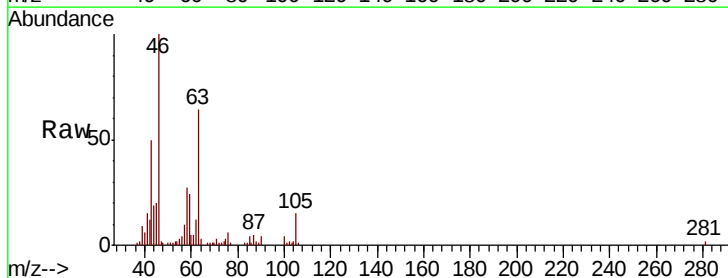
Ion Ratio Lower Upper

43 100

58 63.3 50.4 75.6

57 2.7 17.4 26.0#

100 9.9 10.5 15.7#

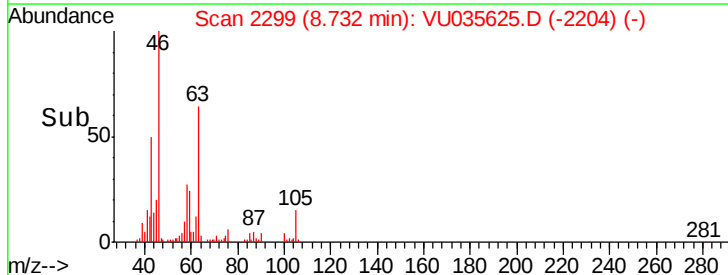
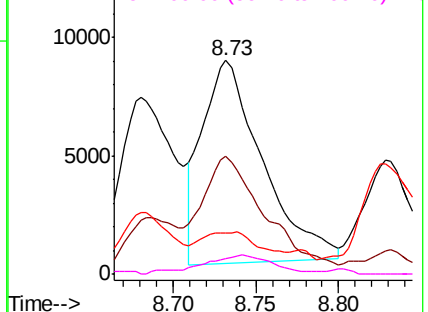


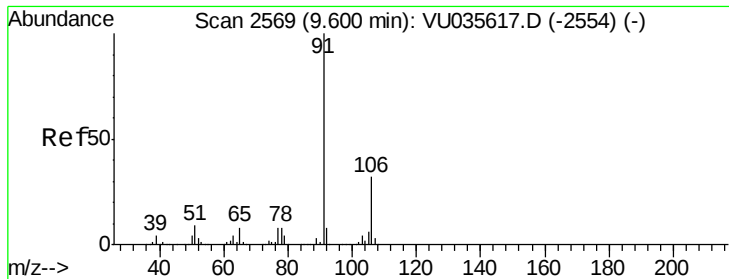
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Ethylbenzene

Concen: 3.401 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035625.D

Acq: 05 Nov 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

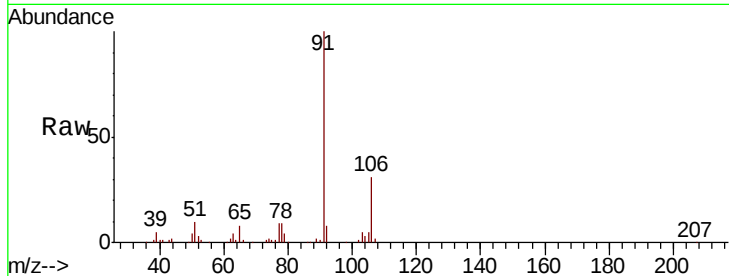
BE882

Tot Ion: 91 Resp: 67557

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035617.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU035617.D (-2554) (-)

80000

60000

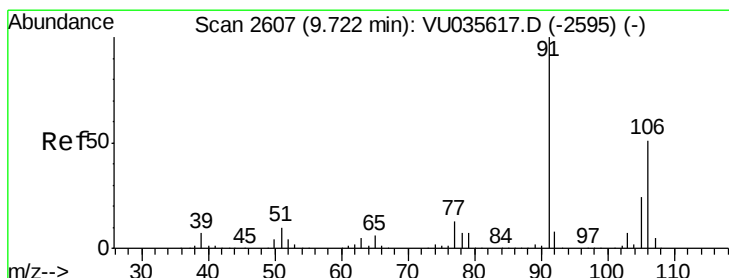
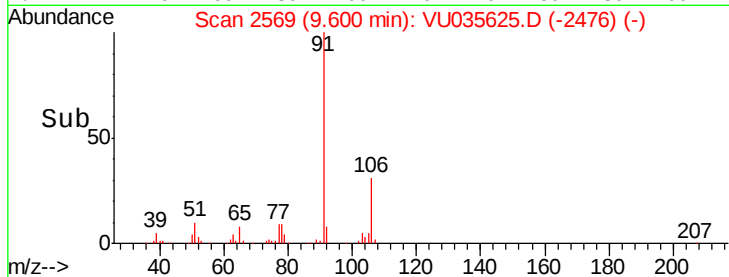
40000

20000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 27.541 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035625.D

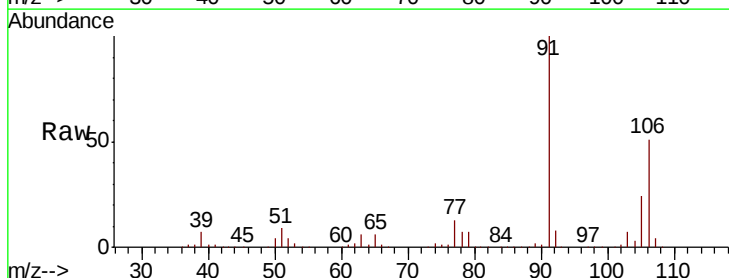
Acq: 05 Nov 2019 13:05

Tgt Ion: 106 Resp: 205273

Ion Ratio Lower Upper

106 100

91 197.5 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035617.D (-2595) (-)

Ion 91.00 (90.70 to 91.70): VU035617.D (-2595) (-)

250000

200000

150000

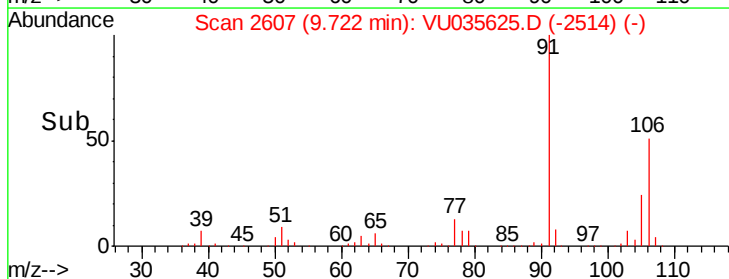
100000

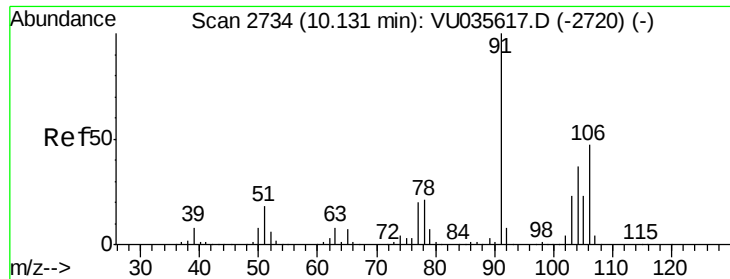
50000

0

9.70 9.72 9.74

Time-->

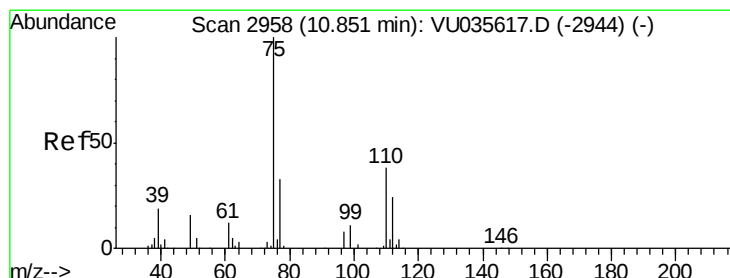
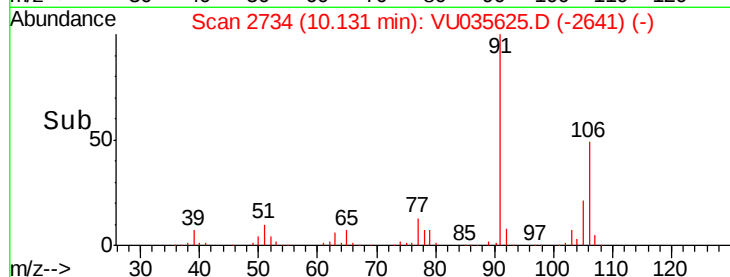
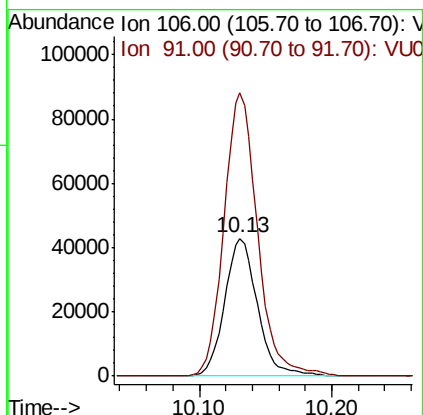
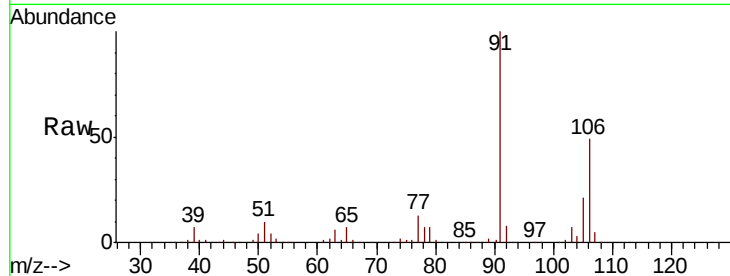




#54
o-xylene
Concen: 10.107 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035625.D
Acq: 05 Nov 2019 13:05

Instrument :
MSVOA_U
ClientSampleId :
BE882

Tot Ion:106 Resp: 73624
Ion Ratio Lower Upper
106 100
91 205.4 147.1 273.1



#59
1,2,3-Trichloropropane
Concen: 3.813 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035625.D
Acq: 05 Nov 2019 13:05

Tgt Ion: 75 Resp: 23604
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5

