

Data File : VU035651.D
Acq On : 06 Nov 2019 16:40
Operator : JC/SP
Sample : K5716-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE885

Quant Time: Nov 07 04:51:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 04:46:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	612877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	590202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	173671	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	167418	33.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.64%
7) Chloroethane-d5	1.94	69	161843	40.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.88%
11) 1,1-Dichloroethene-d2	2.60	63	226348	29.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.80%#
21) 2-Butanone-d5	4.69	46	274408	94.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	5.11	84	353034	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.75	65	217444	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
32) Benzene-d6	5.78	84	718971	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.74	67	240381	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.93	98	645675	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.22	79	105349	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.68%
47) 2-Hexanone-d5	8.68	63	169887	88.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.85%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	332009	46.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	173481	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

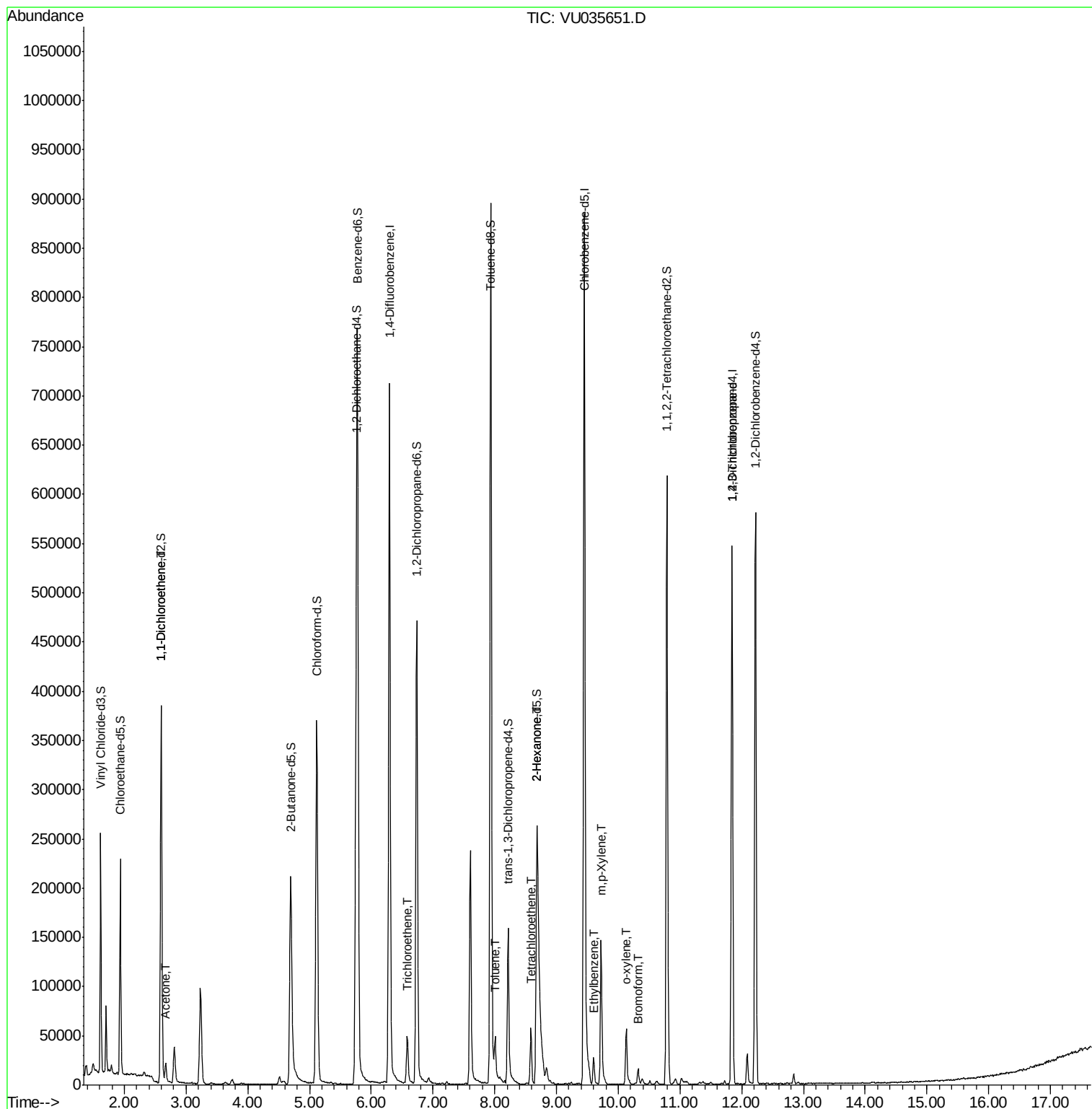
					Qvalue
12) 1,1-Dichloroethene	2.61	96	2944	0.786 ug/L #	1
13) Acetone	2.67	43	21487	8.446 ug/L	100
34) Trichloroethene	6.58	95	16126	3.824 ug/L	97
42) Toluene	8.01	91	27782	1.598 ug/L	96
46) Tetrachloroethene	8.59	164	13780	3.908 ug/L	95
48) 2-Hexanone	8.68	43	13981	2.893 ug/L #	59
52) Ethylbenzene	9.60	91	20132	1.083 ug/L	93
53) m,p-Xylene	9.72	106	48778	6.994 ug/L	98
54) o-xylene	10.13	106	16453	2.414 ug/L	93
59) 1,2,3-Trichloropropane	11.84	75	19211	3.317 ug/L	92
61) Bromoform	10.32	173	8146	3.075 ug/L #	95

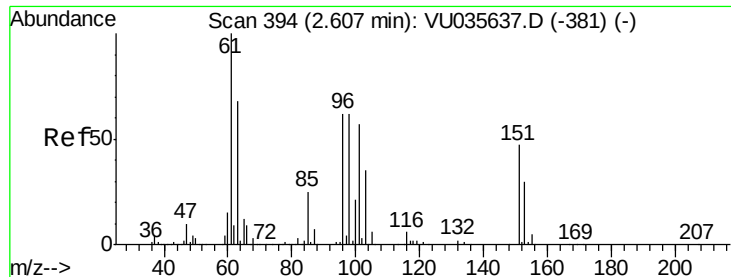
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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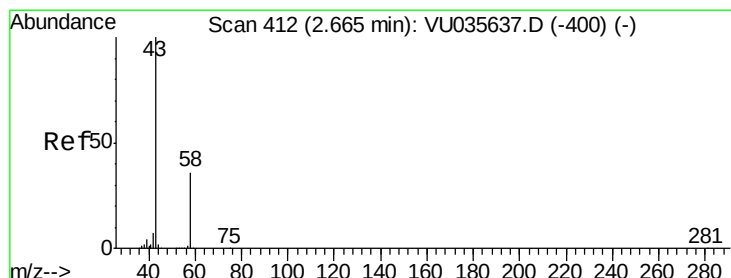
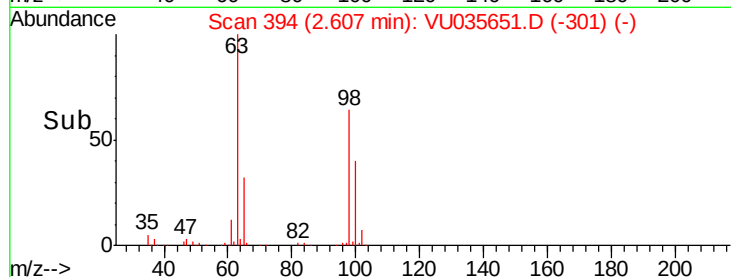
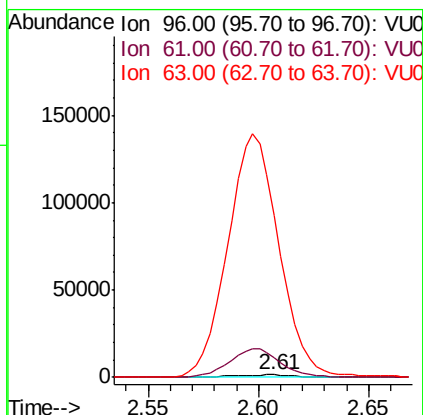
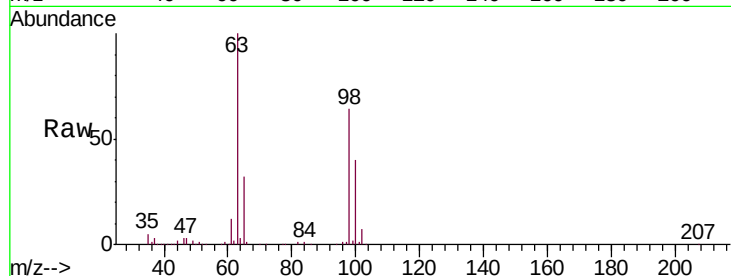




#12
 1,1-Dichloroethene
 Concen: 0.786 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU035651.D
 Acq: 06 Nov 2019 16:40

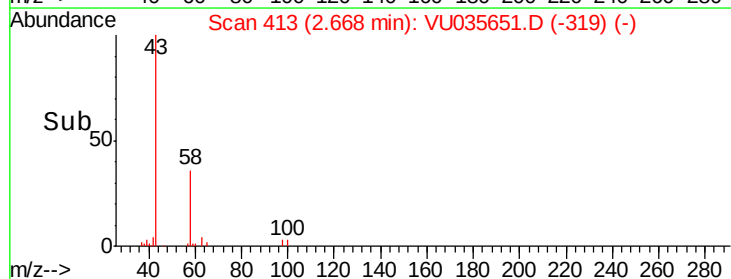
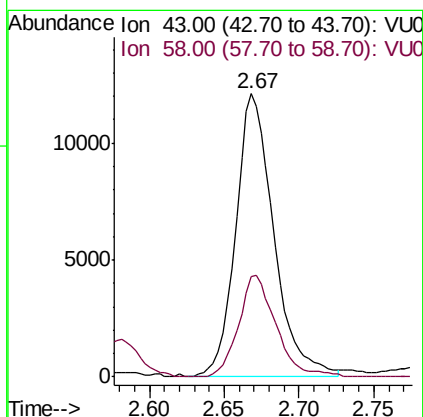
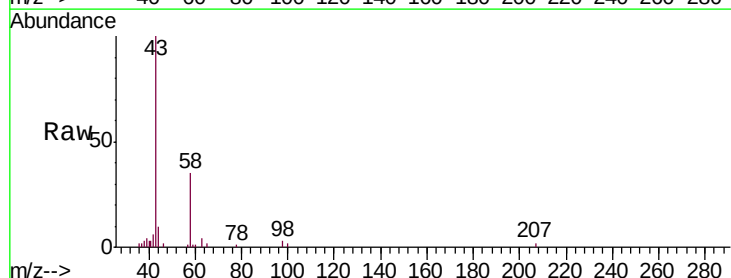
Instrument :
 MSVOA_U
 ClientSampleID :
 BE885

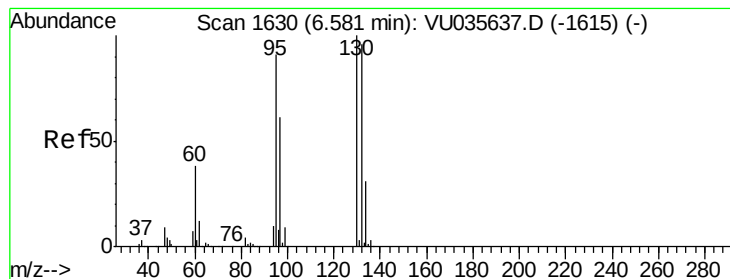
Tgt Ion: 96 Resp: 2944
 Ion Ratio Lower Upper
 96 100
 61 800.2 113.1 210.1#
 63 6727.9 76.2 141.4#



#13
 Acetone
 Concen: 8.446 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: VU035651.D
 Acq: 06 Nov 2019 16:40

Tgt Ion: 43 Resp: 21487
 Ion Ratio Lower Upper
 43 100
 58 35.1 0.0 70.0





#34

Trichloroethene

Concen: 3.824 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035651.D

Acq: 06 Nov 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

BE885

Tgt Ion: 95 Resp: 16126

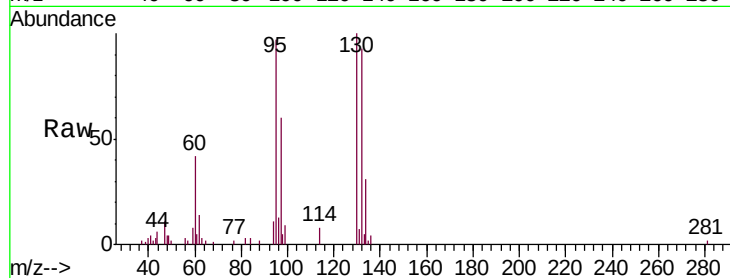
Ion Ratio Lower Upper

95 100

97 61.7 45.6 84.6

132 96.1 69.9 129.7

130 103.2 73.1 135.7

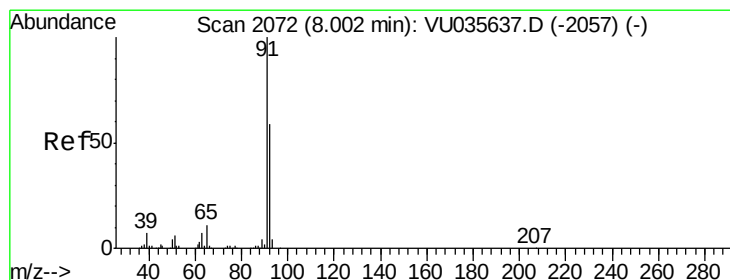
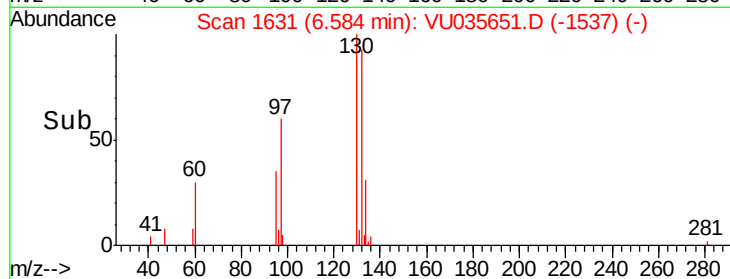
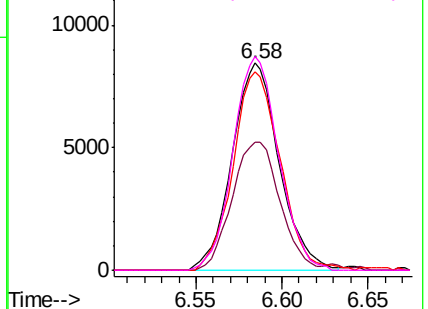


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.598 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035651.D

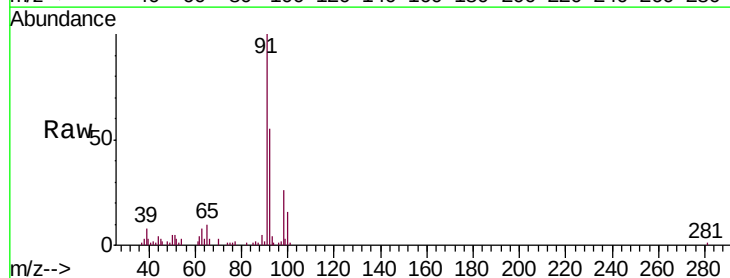
Acq: 06 Nov 2019 16:40

Tgt Ion: 91 Resp: 27782

Ion Ratio Lower Upper

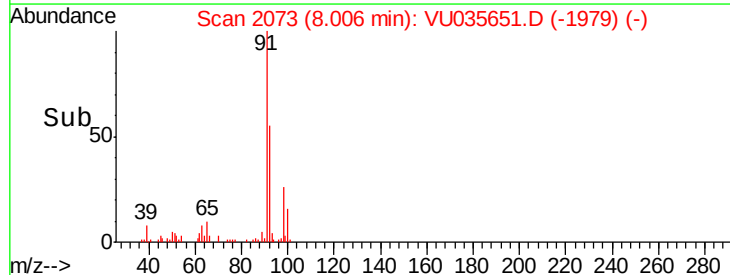
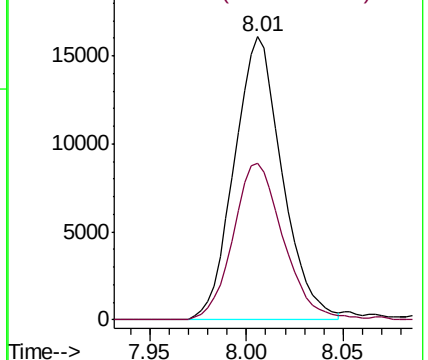
91 100

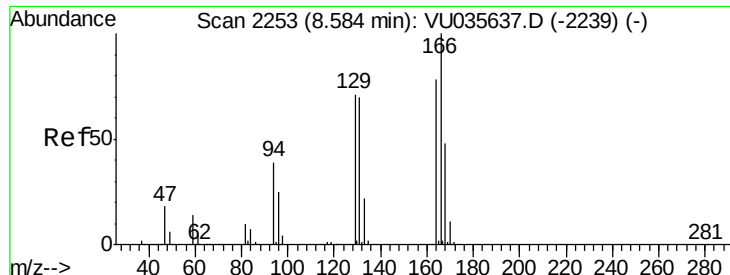
92 55.2 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 3.908 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035651.D

Acq: 06 Nov 2019 16:40

Instrument :

MSVOA_U

ClientSampled :

BE885

Tgt Ion:164 Resp: 13780

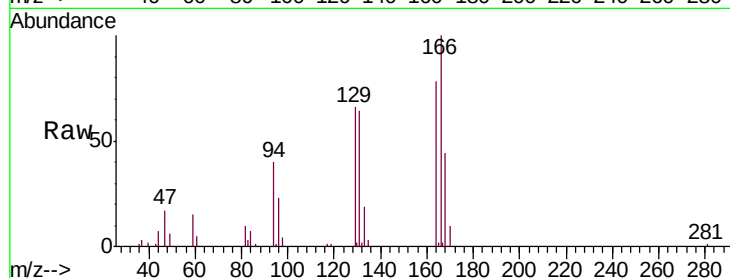
Ion Ratio Lower Upper

164 100

129 84.8 64.1 119.1

131 81.7 63.1 117.1

166 128.1 88.5 164.3

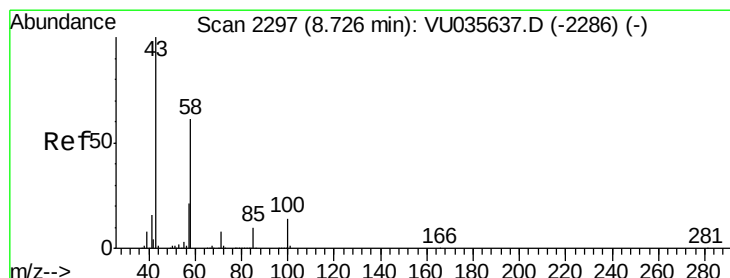
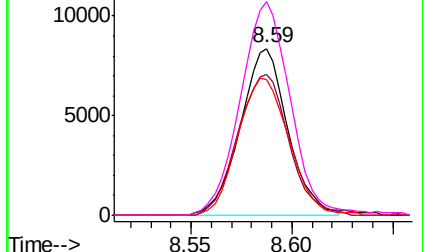
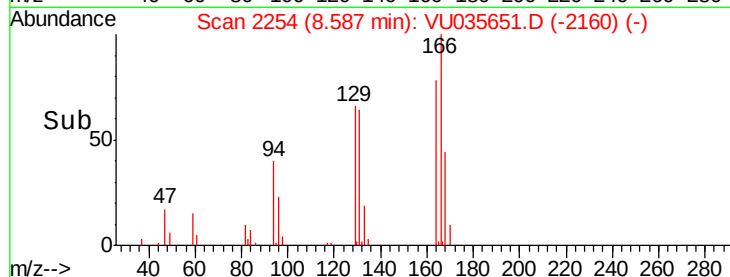


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.893 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.04 min

Lab File: VU035651.D

Acq: 06 Nov 2019 16:40

Tgt Ion: 43 Resp: 13981

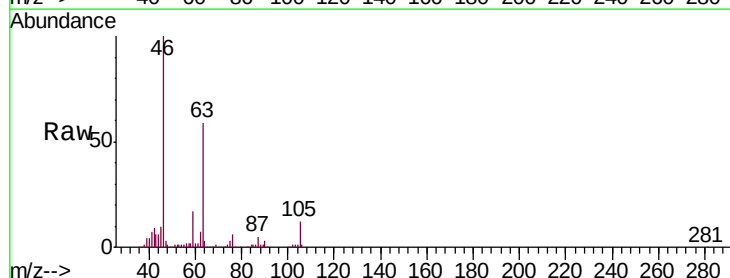
Ion Ratio Lower Upper

43 100

58 24.2 50.4 75.6#

57 30.8 17.4 26.0#

100 0.6 10.5 15.7#

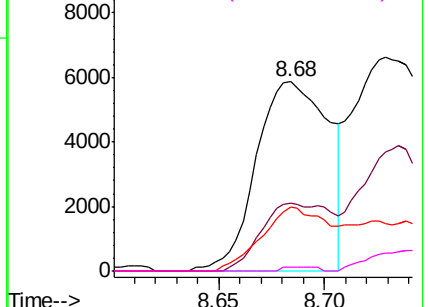
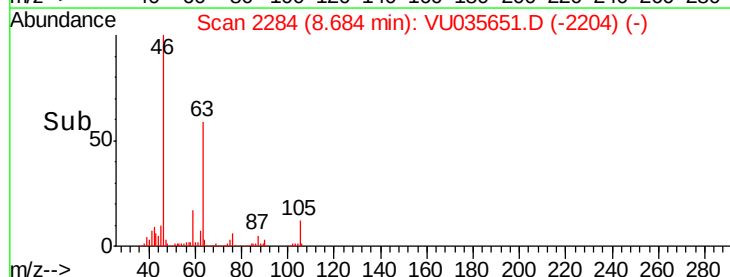


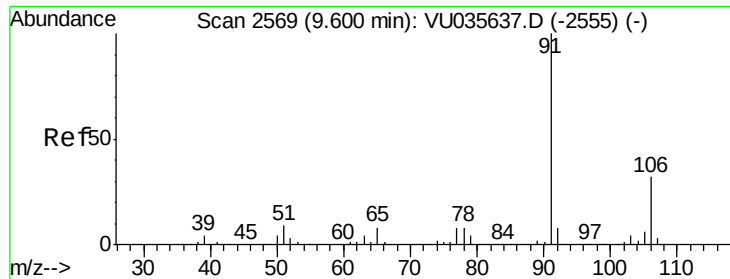
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 1.083 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035651.D

Acq: 06 Nov 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

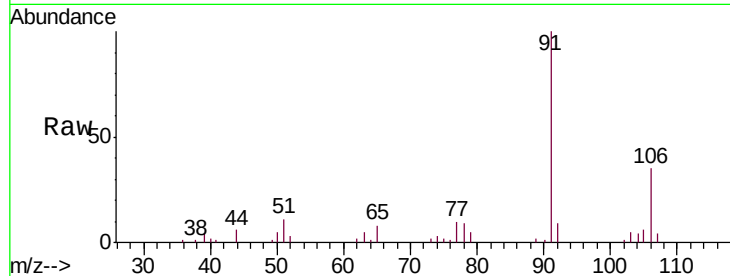
BE885

Tgt Ion: 91 Resp: 20132

Ion Ratio Lower Upper

91 100

106 34.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035637.D (-2555) (-)

Ion 106.00 (105.70 to 106.70): VU035637.D (-2555) (-)

9.60

12000

10000

8000

6000

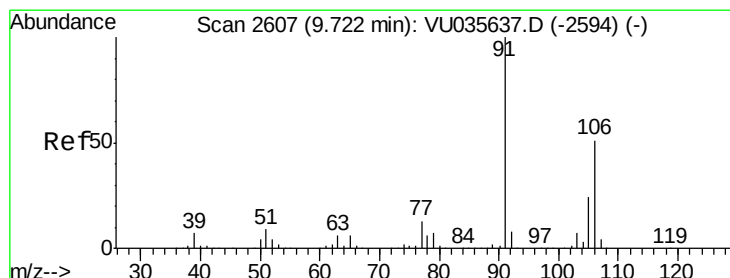
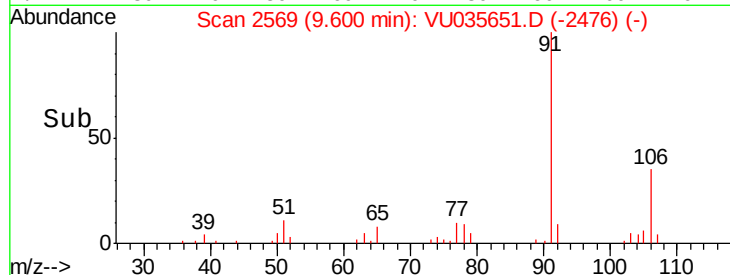
4000

2000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 6.994 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035651.D

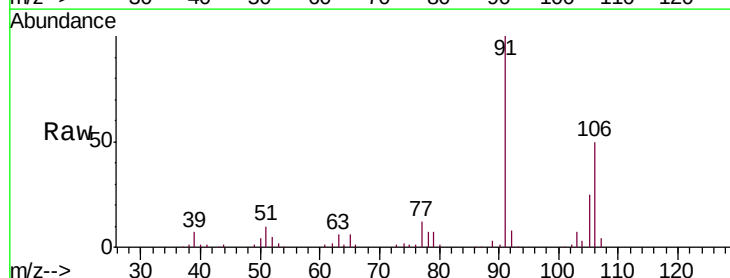
Acq: 06 Nov 2019 16:40

Tgt Ion: 106 Resp: 48778

Ion Ratio Lower Upper

106 100

91 200.0 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035637.D (-2594) (-)

Ion 91.00 (90.70 to 91.70): VU035637.D (-2594) (-)

9.72

60000

50000

40000

30000

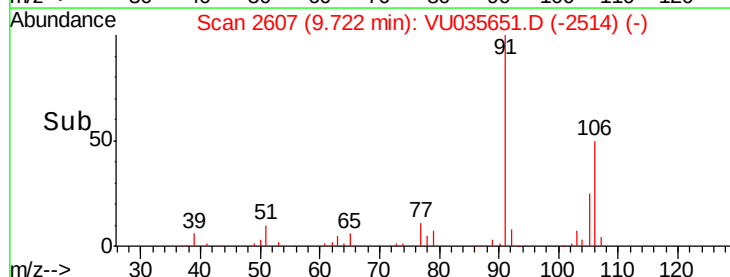
20000

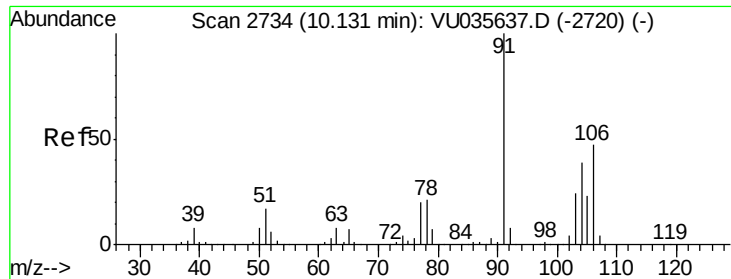
10000

0

9.65 9.70 9.75 9.80

Time-->

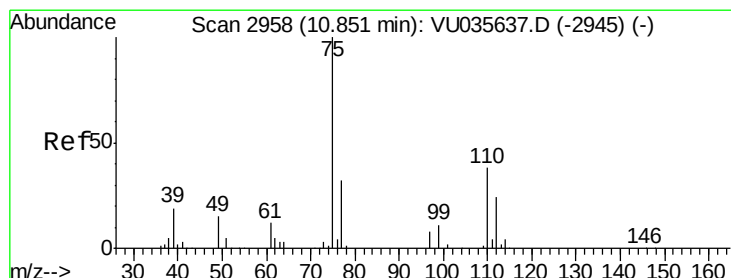
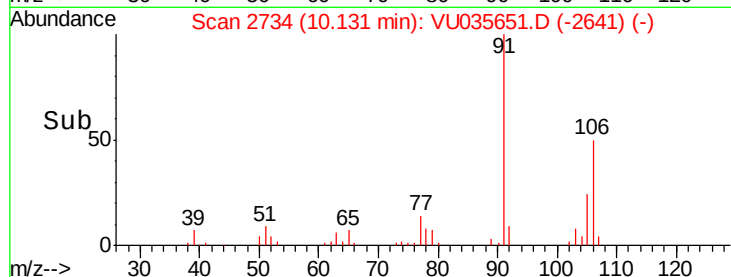
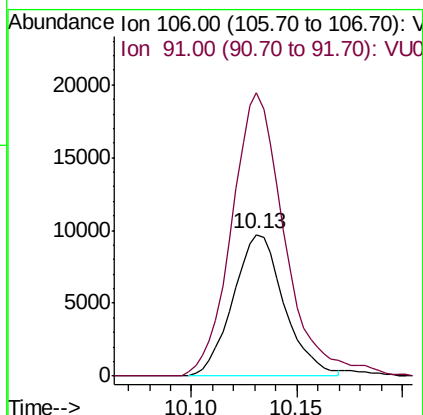
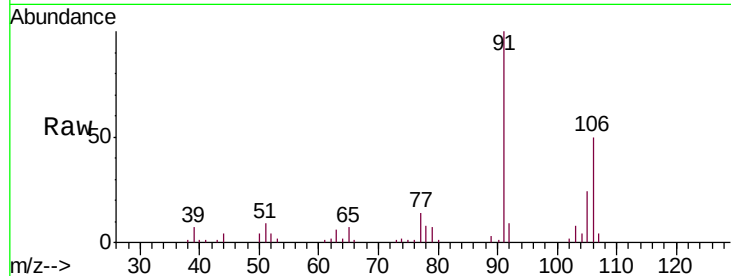




#54
o-xylene
Concen: 2.414 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035651.D
Acq: 06 Nov 2019 16:40

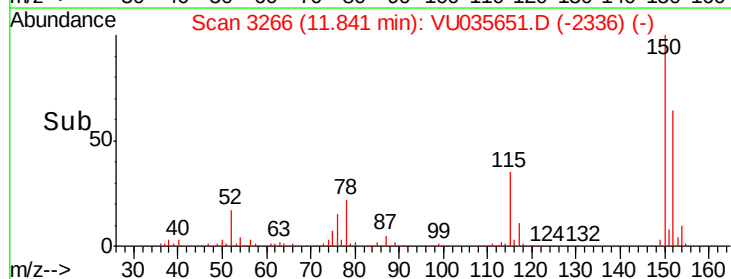
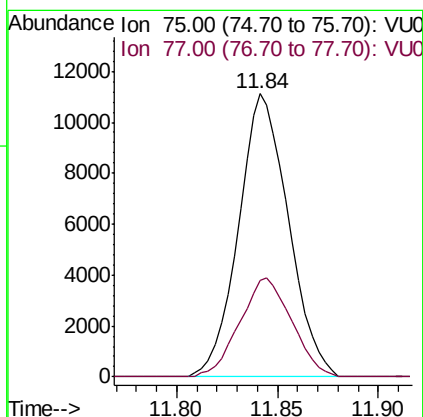
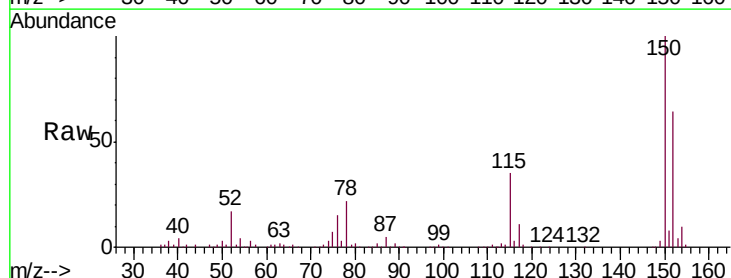
Instrument :
MSVOA_U
ClientSampled :
BE885

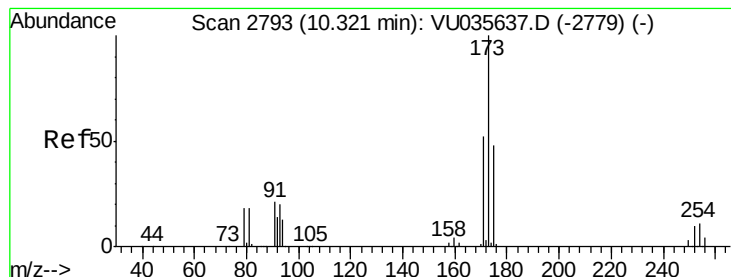
Tgt Ion: 106 Resp: 16453
Ion Ratio Lower Upper
106 100
91 199.5 147.1 273.1



#59
1,2,3-Trichloropropane
Concen: 3.317 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035651.D
Acq: 06 Nov 2019 16:40

Tgt Ion: 75 Resp: 19211
Ion Ratio Lower Upper
75 100
77 36.5 25.7 38.5





#61

Bromoform

Concen: 3.075 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035651.D

Acq: 06 Nov 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

BE885

Tgt Ion:173 Resp: 8146

Ion Ratio Lower Upper

173 100

175 46.6 39.4 59.0

254 6.8 8.1 12.1#

