

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035119.D
 Acq On : 12 Oct 2019 04:05
 Operator : JC/SP
 Sample : K5309-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	171776	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	179387	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	67304	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51380	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	48349	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.26	63	74522	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.17	46	151057	50.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.04%
24) Chloroform-d	4.63	84	92174	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.29	65	54905	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.32	84	192712	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.31	67	66353	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.55	98	167806	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.84	79	19181	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.30	63	102084	42.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.82%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56358	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	56992	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

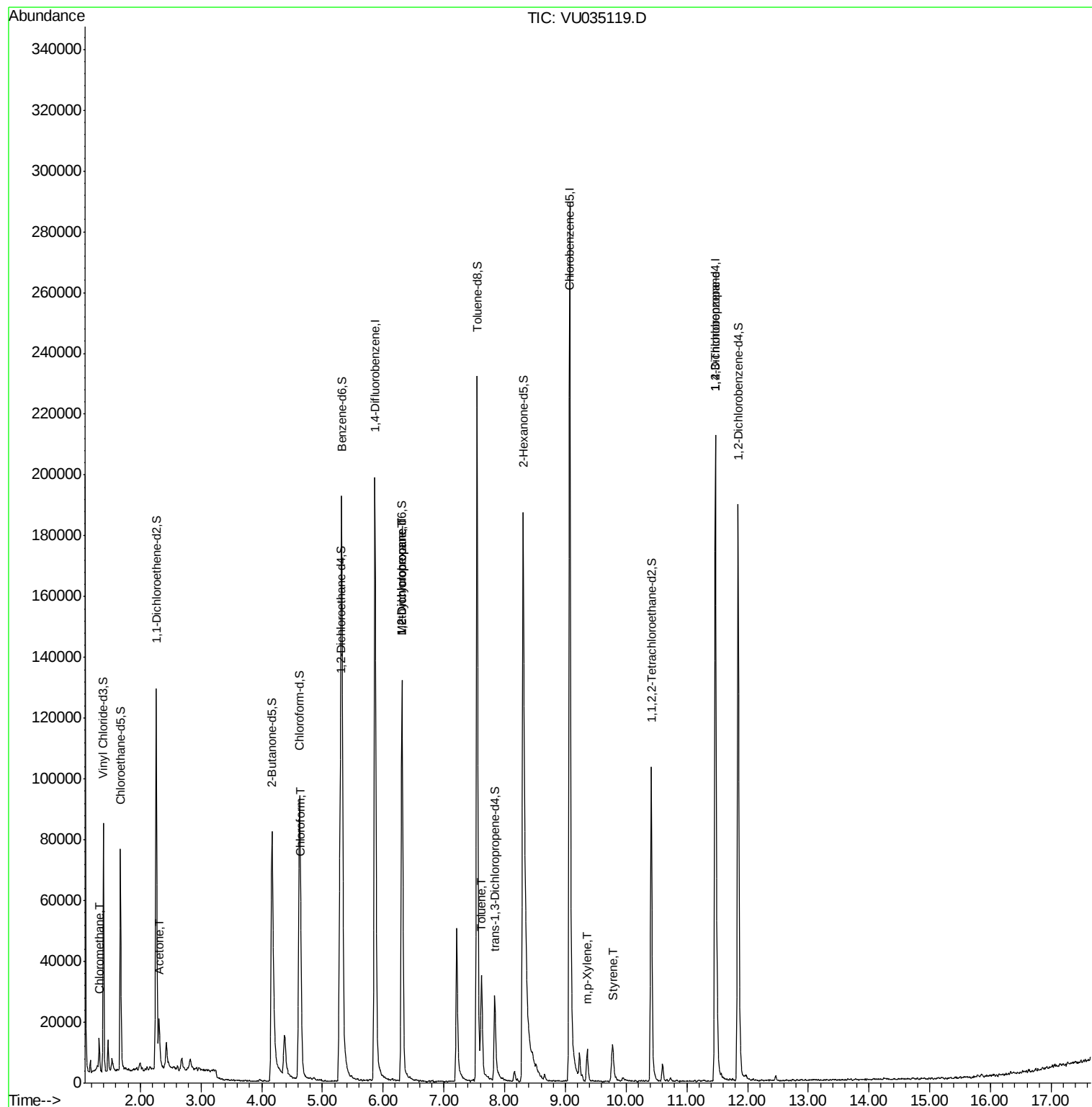
					Ovalue
3) Chloromethane	1.32	50	6834	0.397 ug/L	97
13) Acetone	2.31	43	17193	7.020 ug/L	100
25) Chloroform	4.65	83	9357	0.355 ug/L	90
35) Methylcyclohexane	6.31	83	15034	0.666 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7355	0.505 ug/L #	88
42) Toluene	7.62	91	24700	0.438 ug/L	93
53) m,p-Xylene	9.36	106	3850	0.167 ug/L	83
55) Styrene	9.78	104	6363	0.175 ug/L	89
59) 1,2,3-Trichloropropane	11.47	75	8588	0.910 ug/L	93

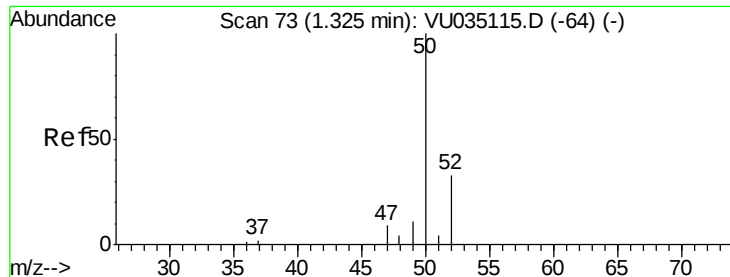
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.397 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035119.D

Acq: 12 Oct 2019 04:05

Instrument :

MSVOA_U

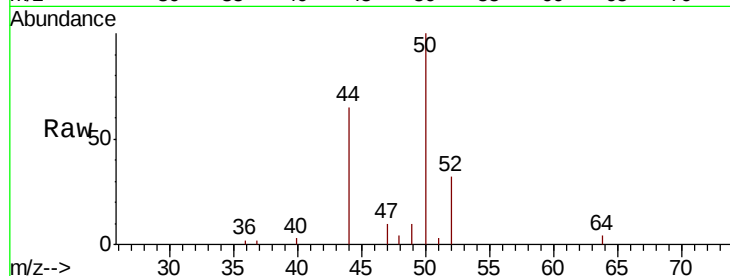
ClientSampleId :

Tot Ion: 50 Resp: 6834

Ion Ratio Lower Upper

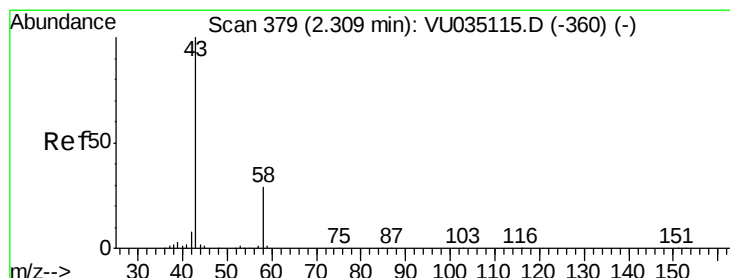
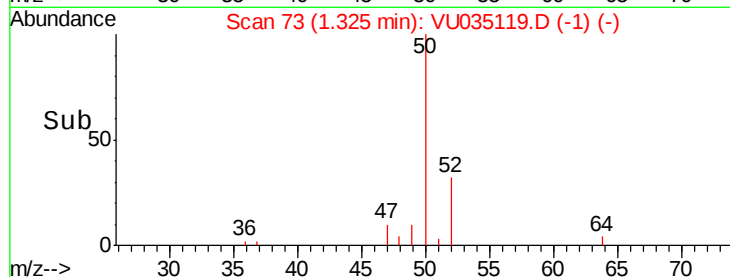
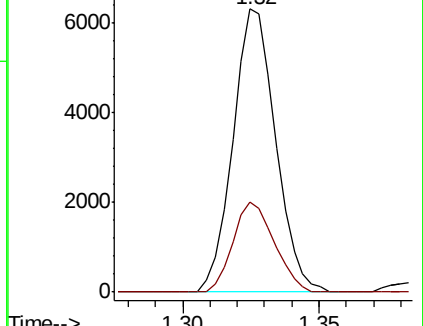
50 100

52 31.7 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035119.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035119.D (-64) (-)



#13

Acetone

Concen: 7.020 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035119.D

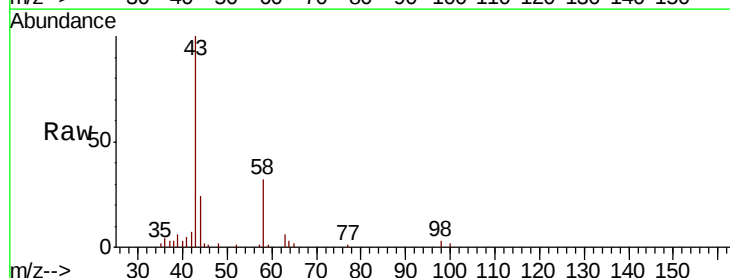
Acq: 12 Oct 2019 04:05

Tgt Ion: 43 Resp: 17193

Ion Ratio Lower Upper

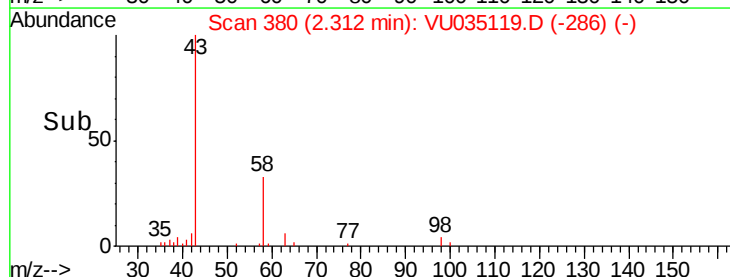
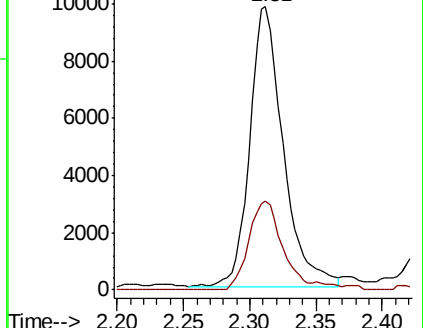
43 100

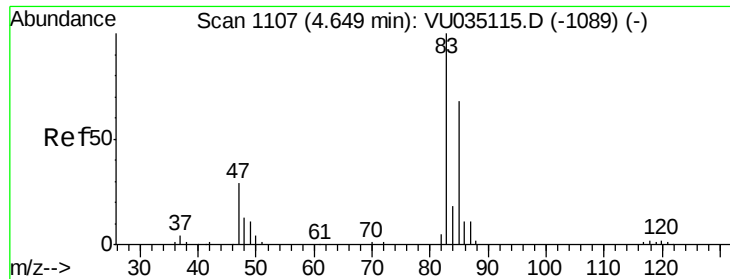
58 33.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035119.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035119.D (-286) (-)

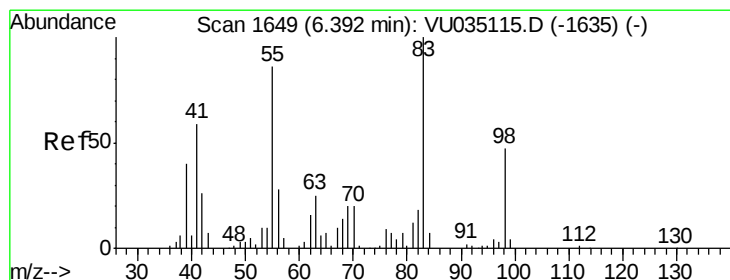
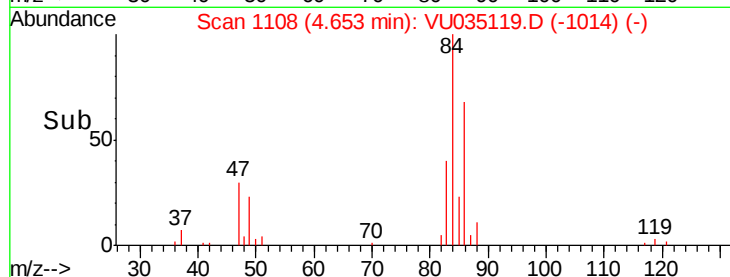
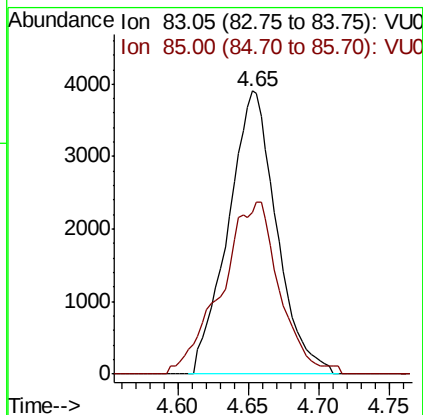
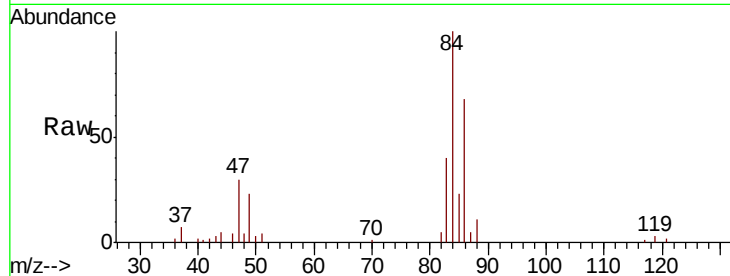




#25
Chloroform
Concen: 0.355 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035119.D
Acq: 12 Oct 2019 04:05

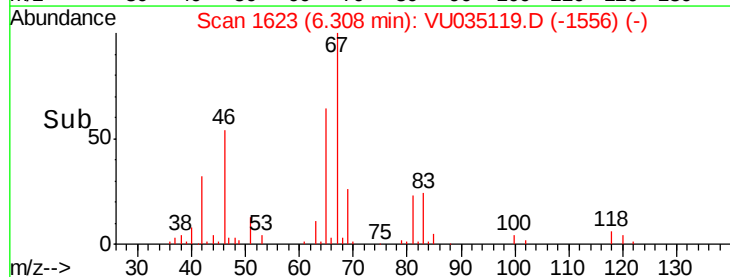
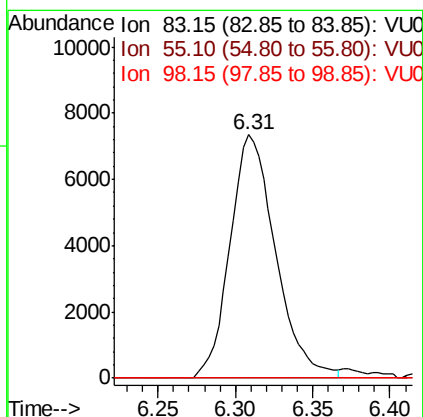
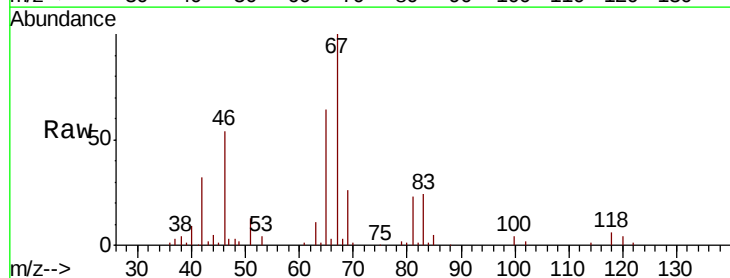
Instrument :
MSVOA_U
ClientSampleId :

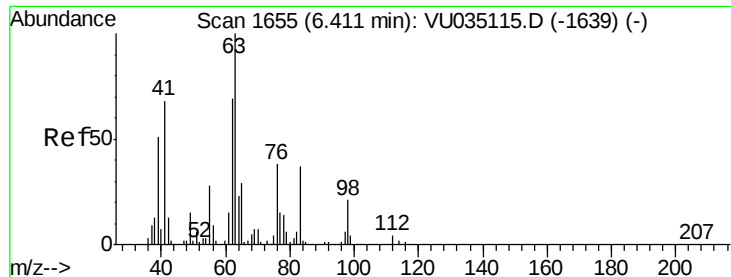
Tot Ion: 83 Resp: 9357
Ion Ratio Lower Upper
83 100
85 57.2 45.4 84.4



#35
Methylcyclohexane
Concen: 0.666 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035119.D
Acq: 12 Oct 2019 04:05

Tgt Ion: 83 Resp: 15034
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.505 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035119.D

Acq: 12 Oct 2019 04:05

Instrument :

MSVOA_U

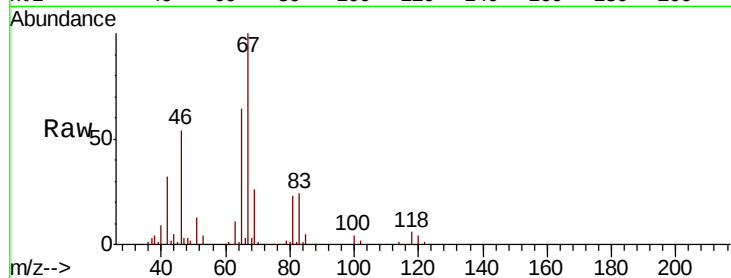
ClientSampled :

Tot Ion: 63 Resp: 7355

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035119.D (-1623) (-)

Ion 112.10 (111.80 to 112.80): VU035119.D (-1623) (-)

6.31

4000

3000

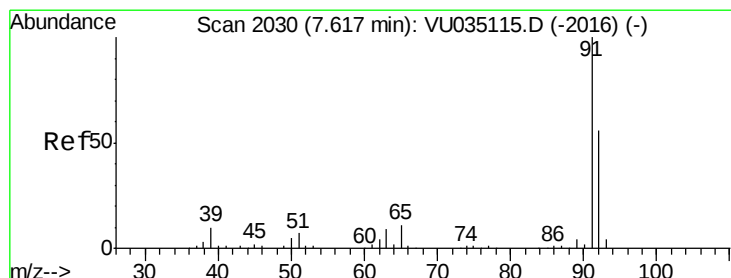
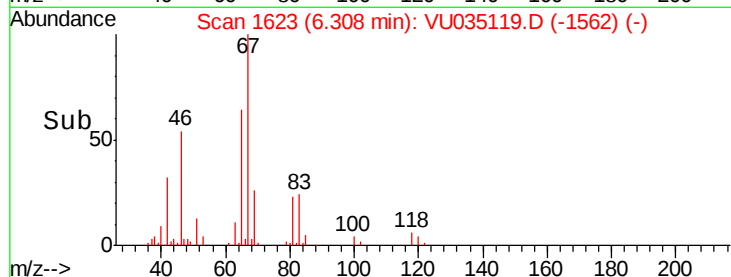
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#42

Toluene

Concen: 0.438 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU035119.D

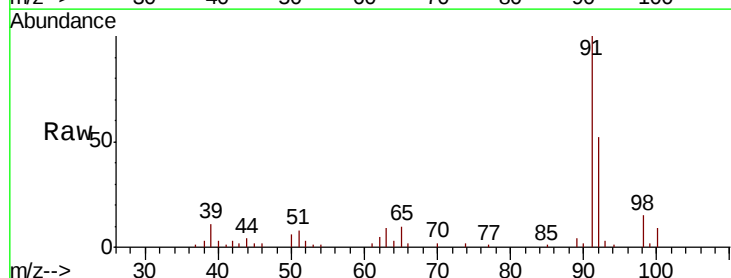
Acq: 12 Oct 2019 04:05

Tgt Ion: 91 Resp: 24700

Ion Ratio Lower Upper

91 100

92 52.0 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035119.D (-1937) (-)

Ion 92.15 (91.85 to 92.85): VU035119.D (-1937) (-)

7.62

15000

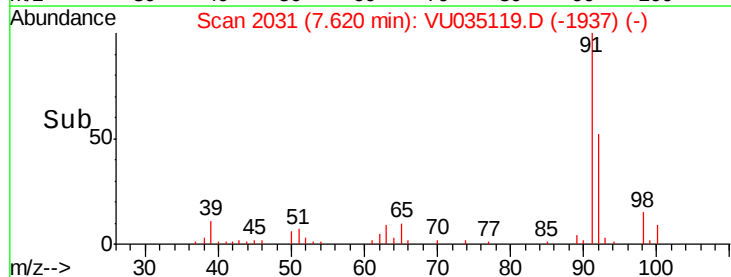
10000

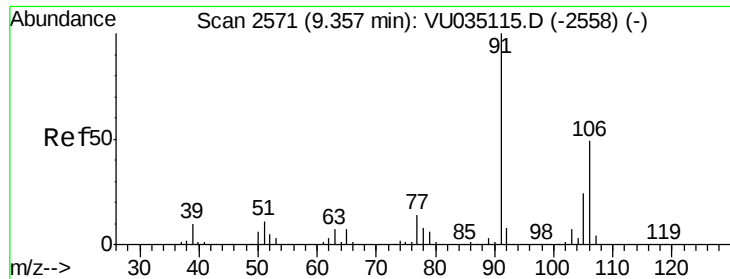
5000

0

7.55 7.60 7.65 7.70

Time-->





#53

m,p-Xylene

Concen: 0.167 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU035119.D

Acq: 12 Oct 2019 04:05

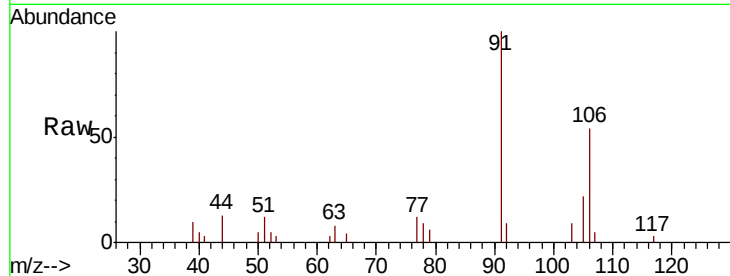
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3850

Ion Ratio Lower Upper

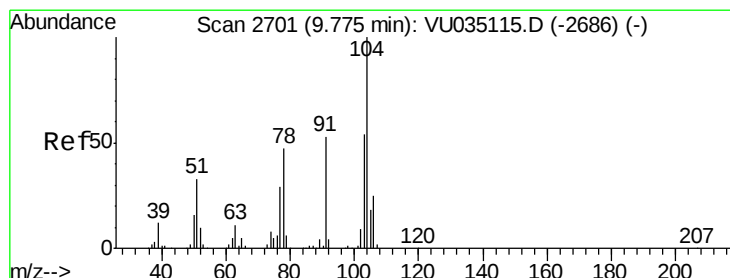
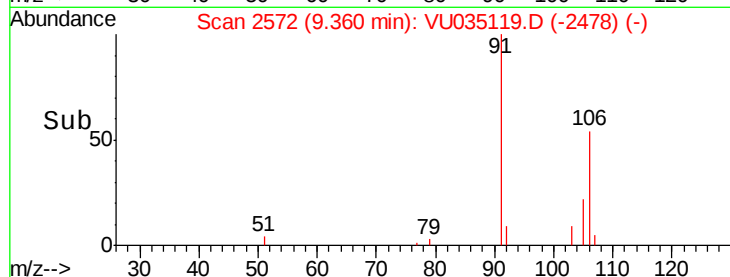
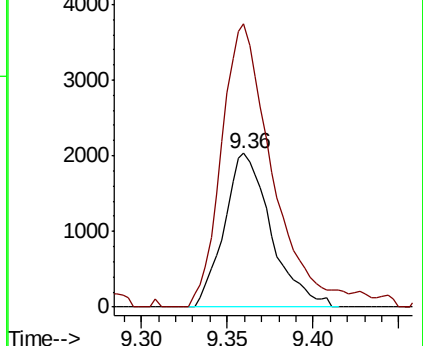
106 100

91 183.9 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.175 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU035119.D

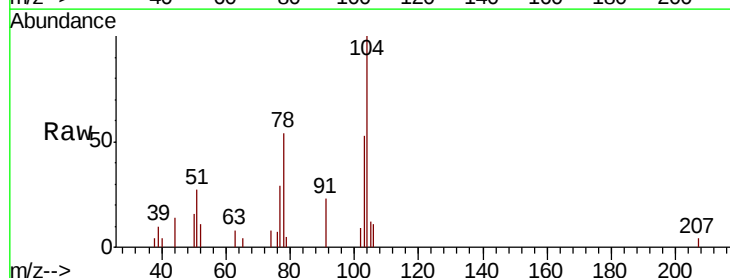
Acq: 12 Oct 2019 04:05

Tgt Ion:104 Resp: 6363

Ion Ratio Lower Upper

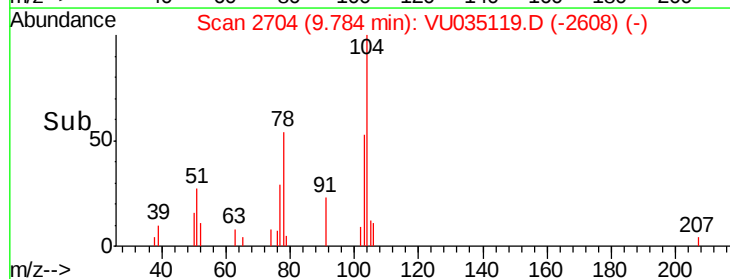
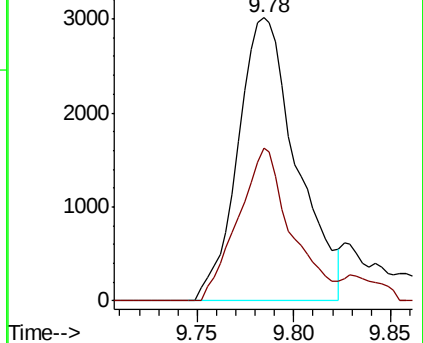
104 100

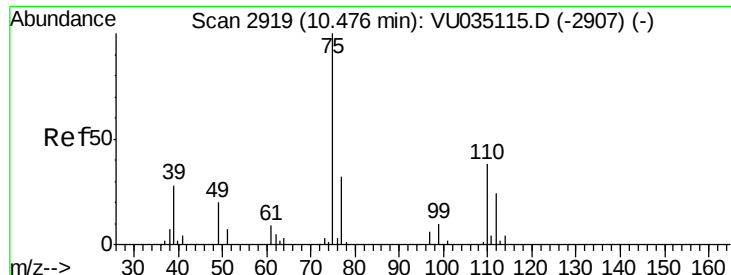
78 54.1 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.910 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035119.D

Acq: 12 Oct 2019 04:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8588

Ion Ratio Lower Upper

75 100

77 37.1 26.5 39.7

