

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
 Data File : VU034779.D
 Acq On : 24 Sep 2019 18:22
 Operator : JC/SP
 Sample : K4932-17RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDE8RE

Quant Time: Sep 25 05:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 25 02:59:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	632767	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	579663	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	266865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	233372	36.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.06%
7) Chloroethane-d5	1.67	69	208908	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.46%
11) 1,1-Dichloroethene-d2	2.26	63	325413	29.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.32%#
21) 2-Butanone-d5	4.18	46	13473	2.71	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	2.71%#
24) Chloroform-d	4.65	84	16631	1.77	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.54%#
26) 1,2-Dichloroethane-d4	5.28	65	290573	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
32) Benzene-d6	5.32	84	876700	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.31	67	309897	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.54	98	833321	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.83	79	134754	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
47) 2-Hexanone-d5	8.29	63	1103	0.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.35%#
57) 1,1,2,2-Tetrachloroethane-	0.00	84	0d	0.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.00%#
64) 1,2-Dichlorobenzene-d4	11.84	152	284300	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

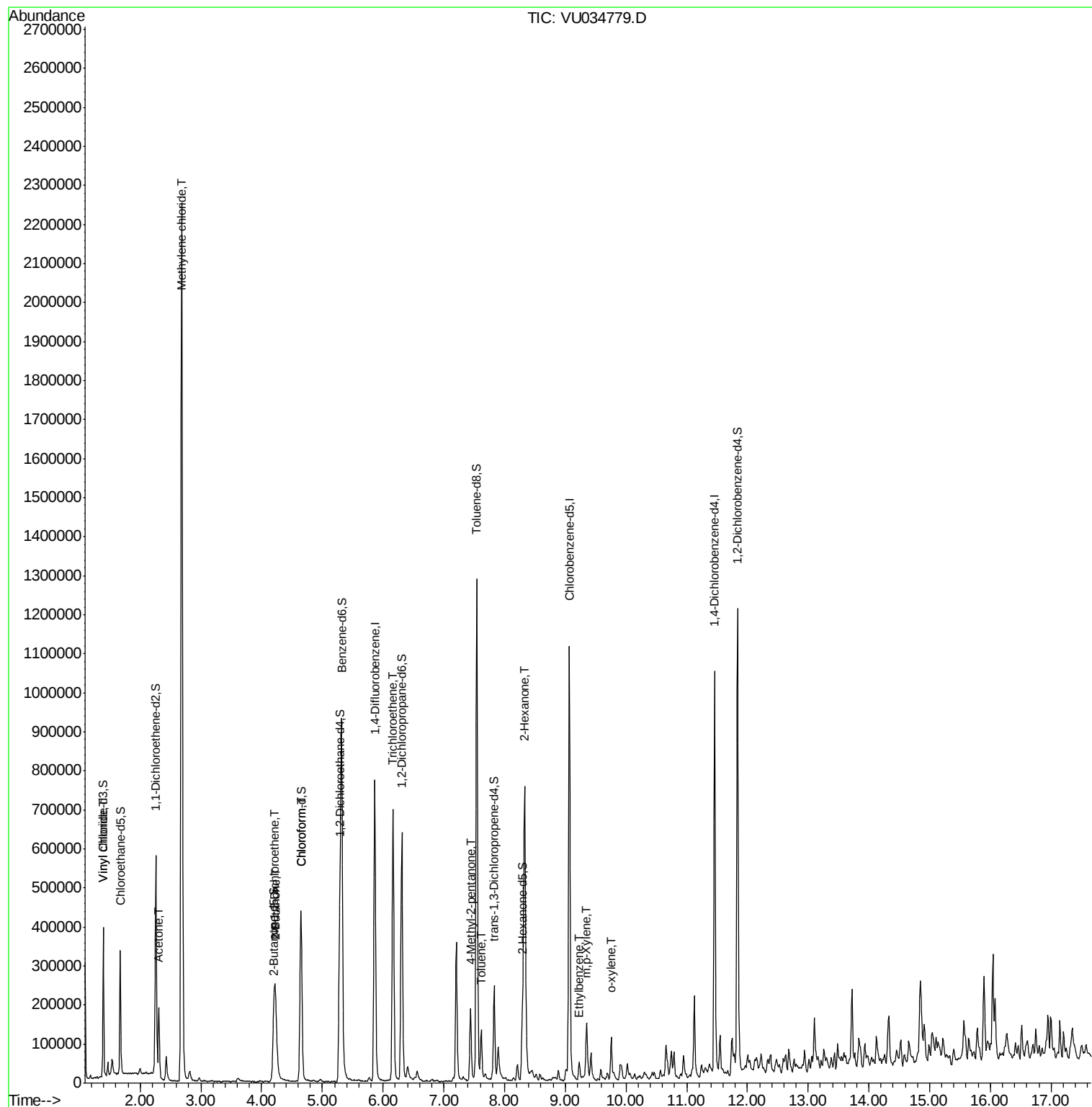
					Ovalue
5) Vinyl chloride	1.40	62	7659	1.073	ug/L # 40
13) Acetone	2.31	43	190031	32.905	ug/L 95
16) Methylene chloride	2.68	84	920292	175.489	ug/L 92
20) cis-1,2-Dichloroethene	4.21	96	20705	3.912	ug/L 64
22) 2-Butanone	4.23	43	295291	42.979	ug/L 86
25) Chloroform	4.65	83	394872	38.618	ug/L 98
34) Trichloroethene	6.16	95	233502	47.029	ug/L 95
40) 4-Methyl-2-pentanone	7.44	43	137401	12.022	ug/L # 95
42) Toluene	7.62	91	91456	4.209	ug/L 98
48) 2-Hexanone	8.34	43	390083	43.701	ug/L # 91
52) Ethylbenzene	9.23	91	28887	1.181	ug/L 100
53) m,p-Xylene	9.35	106	40862	4.715	ug/L 94
54) o-xylene	9.76	106	28448	3.319	ug/L 94

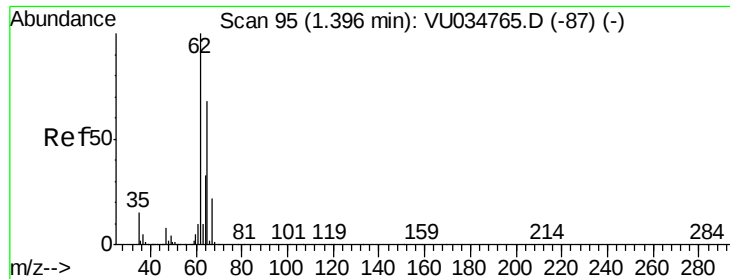
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.073 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

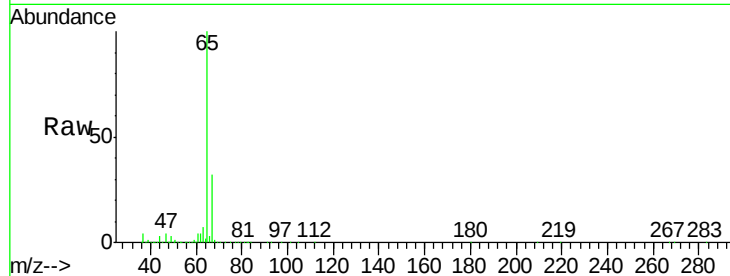
BFDE8RE

Tot Ion: 62 Resp: 7659

Ion Ratio Lower Upper

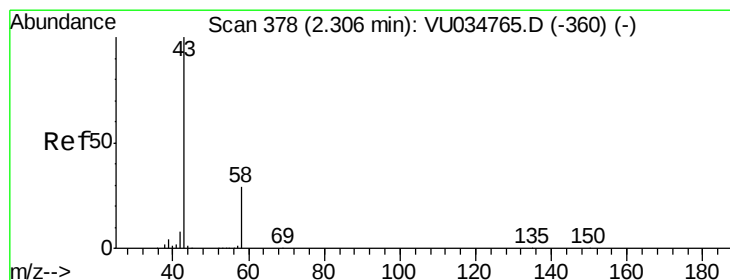
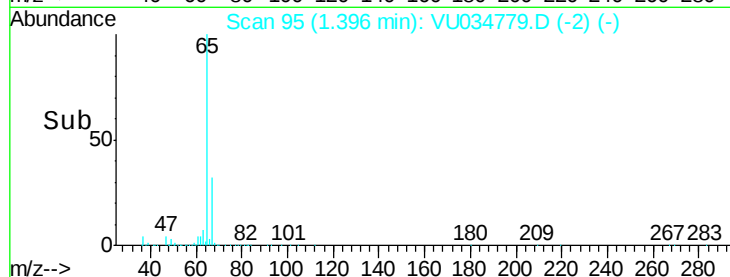
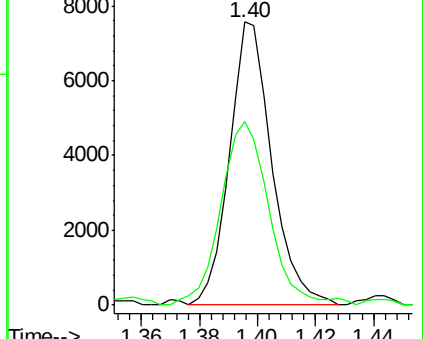
62 100

64 64.8 22.2 41.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 32.905 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034779.D

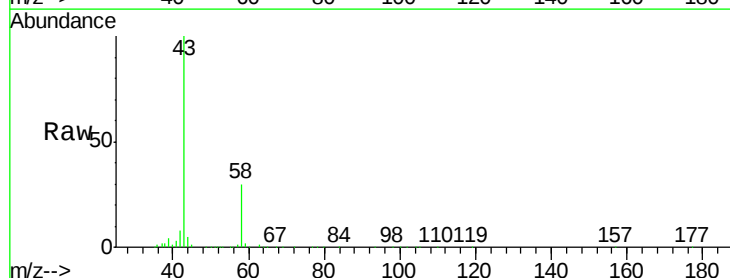
Acq: 24 Sep 2019 18:22

Tgt Ion: 43 Resp: 190031

Ion Ratio Lower Upper

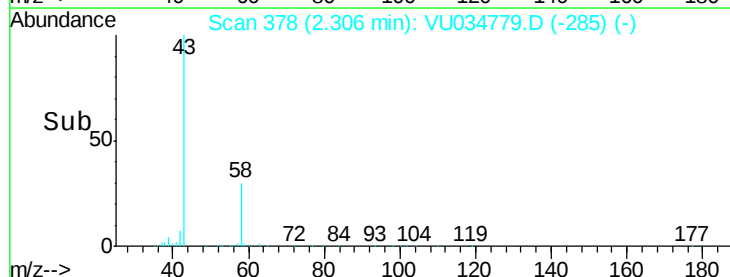
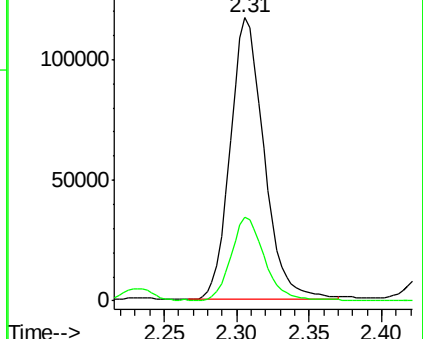
43 100

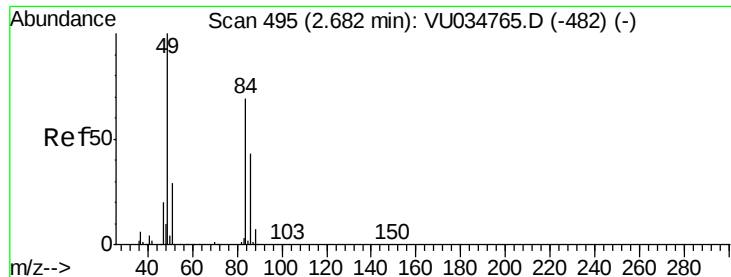
58 29.3 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

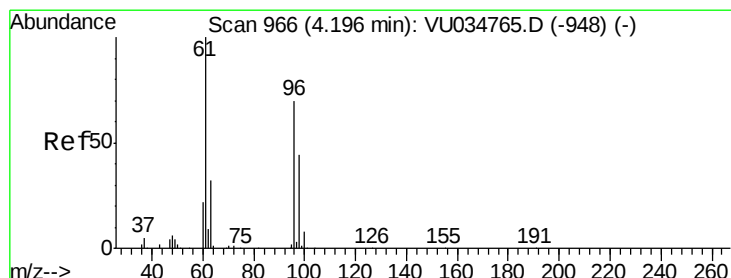
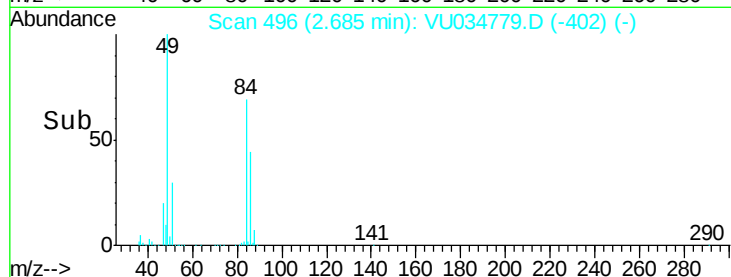
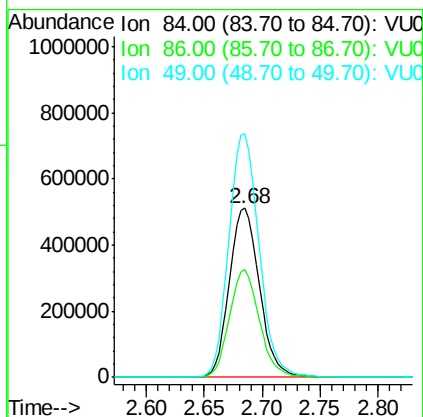
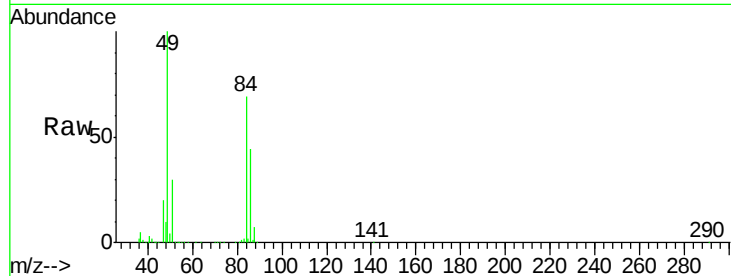




#16
Methvlene chloride
Concen: 175.489 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034779.D
Acq: 24 Sep 2019 18:22

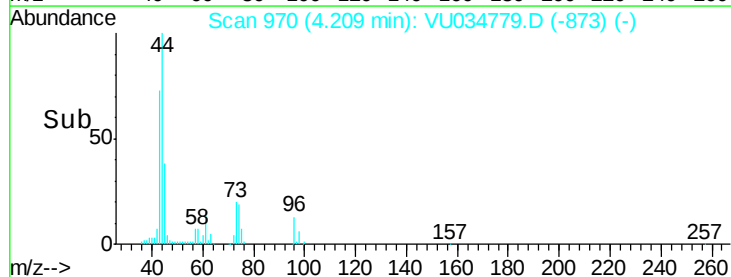
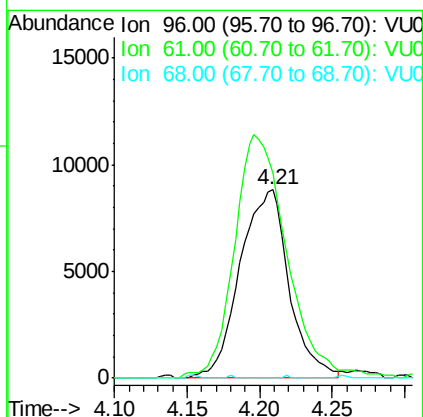
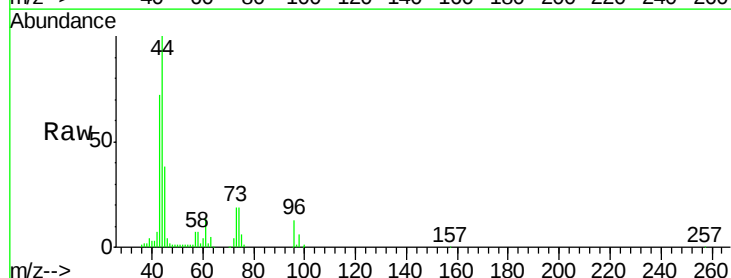
Instrument :
MSVOA_U
ClientSampleId :
BFDE8RE

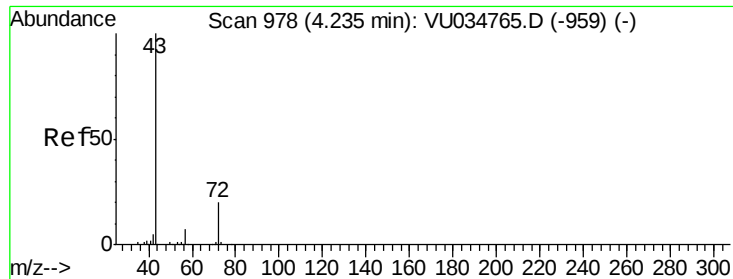
Tot Ion: 84 Resp: 920292
Ion Ratio Lower Upper
84 100
86 63.6 43.0 80.0
49 144.2 109.7 203.7



#20
cis-1,2-Dichloroethene
Concen: 3.912 ug/L
RT: 4.21 min Scan# 970
Delta R.T. 0.01 min
Lab File: VU034779.D
Acq: 24 Sep 2019 18:22

Tgt Ion: 96 Resp: 20705
Ion Ratio Lower Upper
96 100
61 109.3 108.8 202.2
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 42.979 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

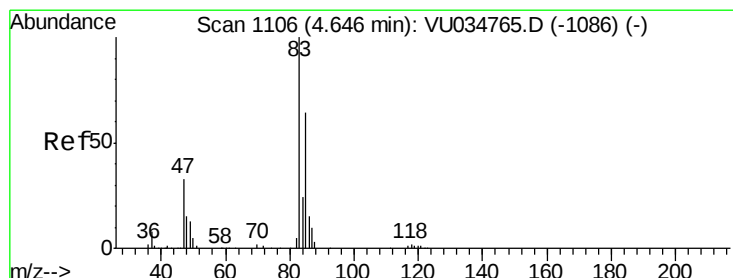
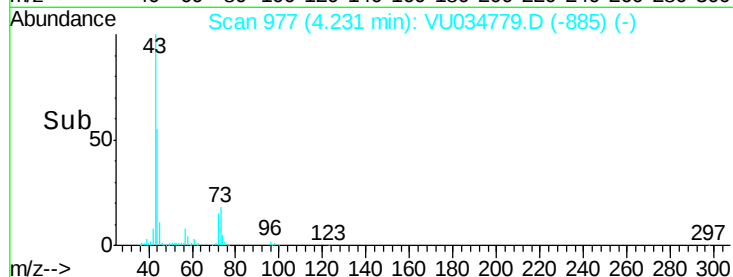
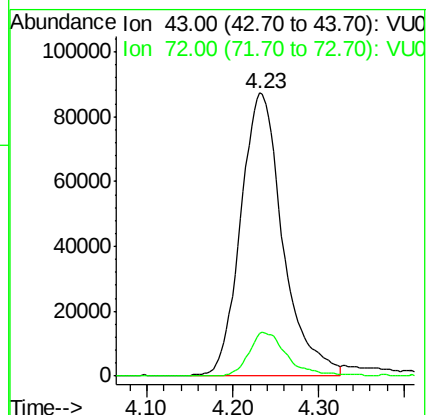
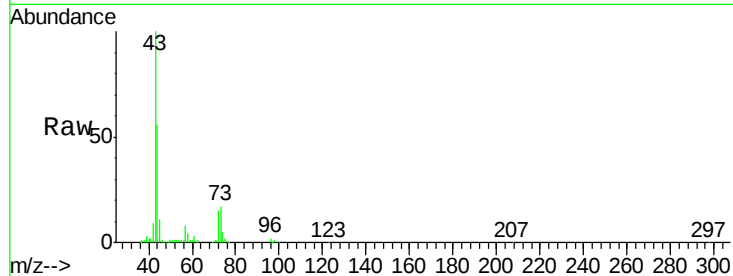
BFDE8RE

Tot Ion: 43 Resp: 295291

Ion Ratio Lower Upper

43 100

72 13.8 10.2 30.6



#25

Chloroform

Concen: 38.618 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034779.D

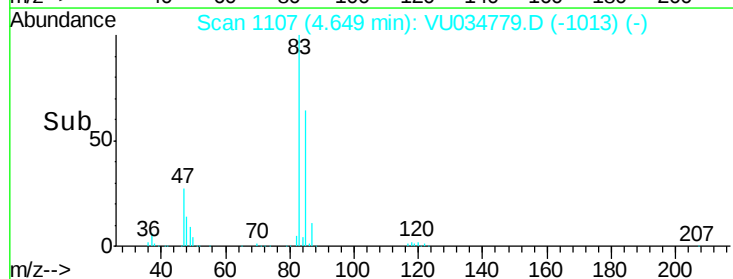
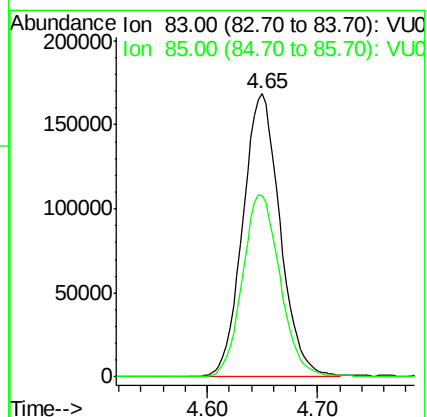
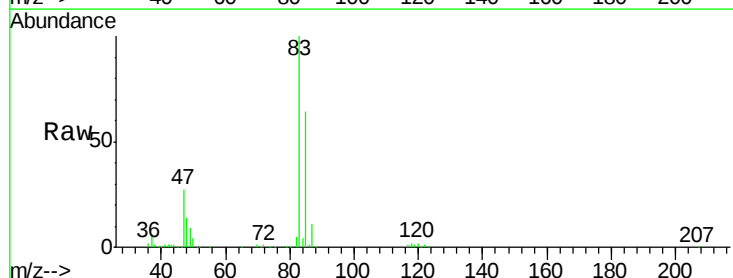
Acq: 24 Sep 2019 18:22

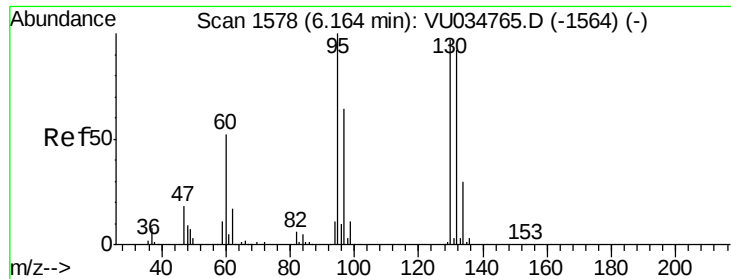
Tgt Ion: 83 Resp: 394872

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.6





#34

Trichloroethene

Concen: 47.029 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

BFDE8RE

Tot Ion: 95 Resp: 233502

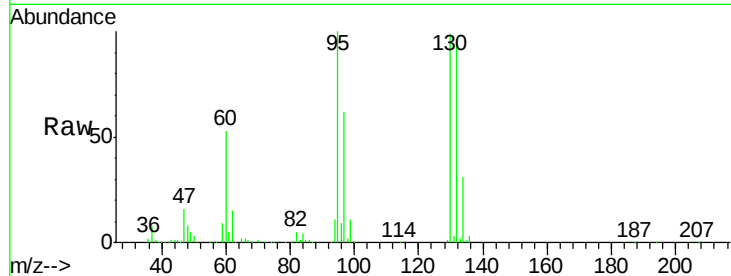
Ion Ratio Lower Upper

95 100

97 62.2 43.7 81.1

132 94.8 61.0 113.2

130 99.1 65.7 121.9

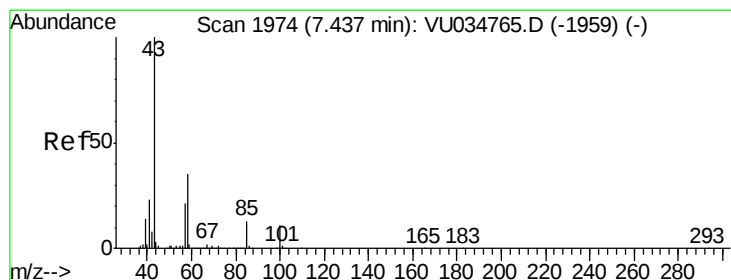
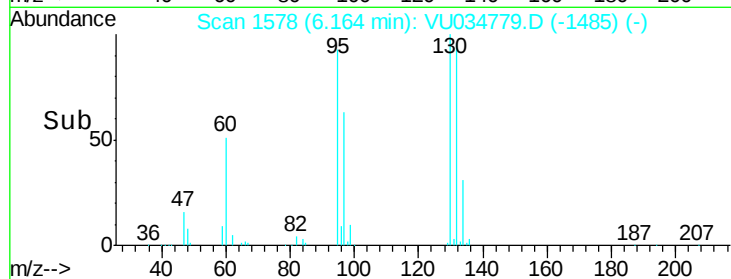
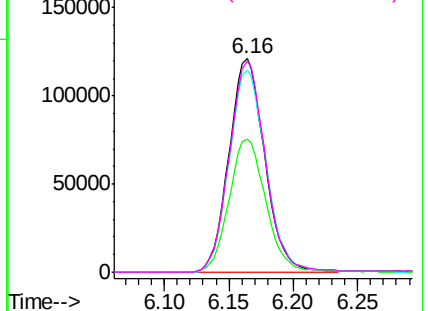


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#40

4-Methyl-2-pentanone

Concen: 12.022 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

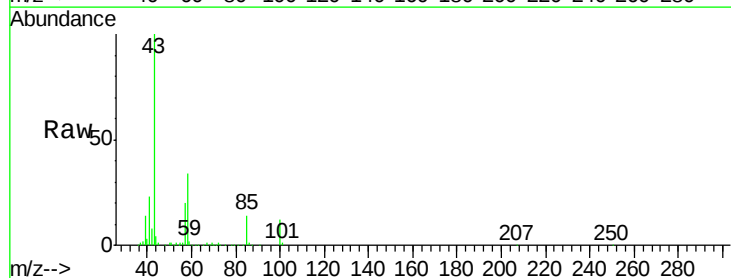
Tgt Ion: 43 Resp: 137401

Ion Ratio Lower Upper

43 100

58 33.9 25.2 37.8

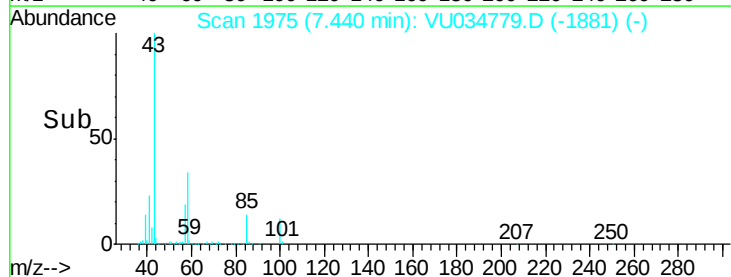
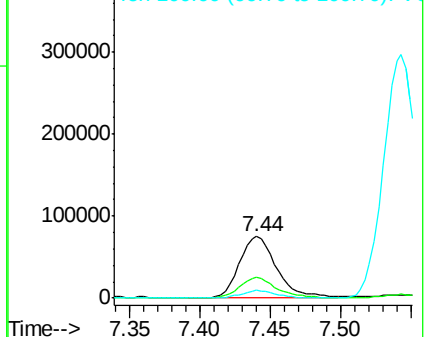
100 11.6 7.7 11.5#

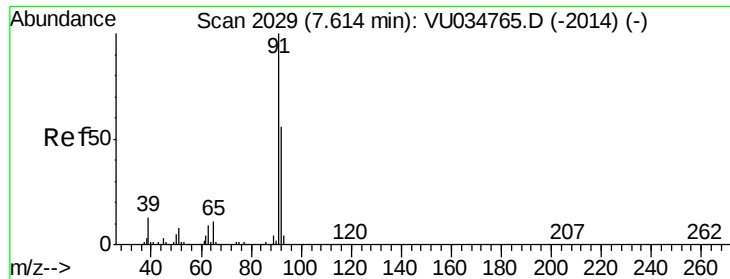


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#42

Toluene

Concen: 4.209 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

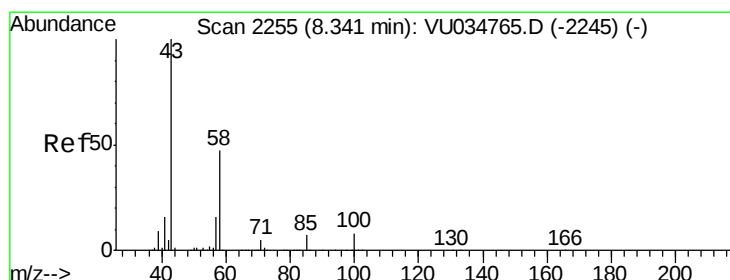
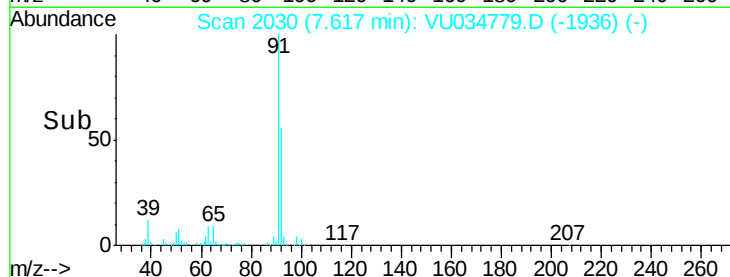
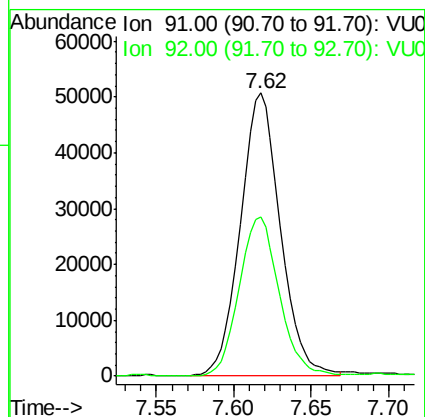
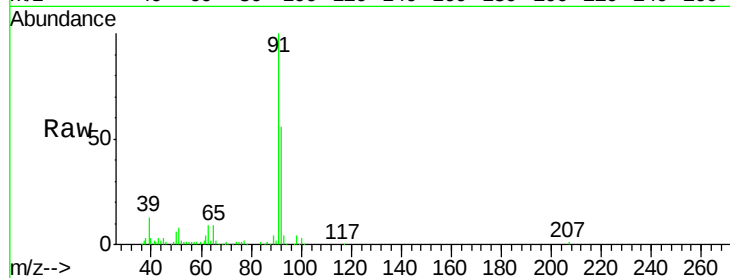
BFDE8RE

Tot Ion: 91 Resp: 91456

Ion Ratio Lower Upper

91 100

92 56.3 38.2 71.0



#48

2-Hexanone

Concen: 43.701 ug/L

RT: 8.34 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Tgt Ion: 43 Resp: 390083

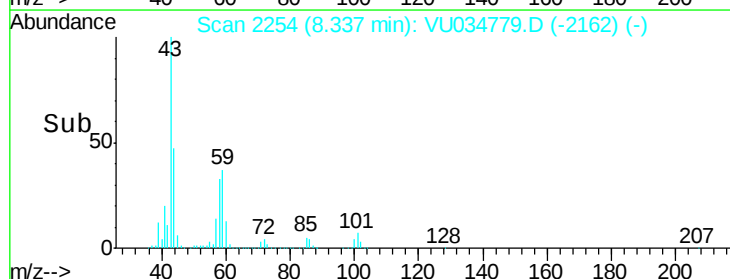
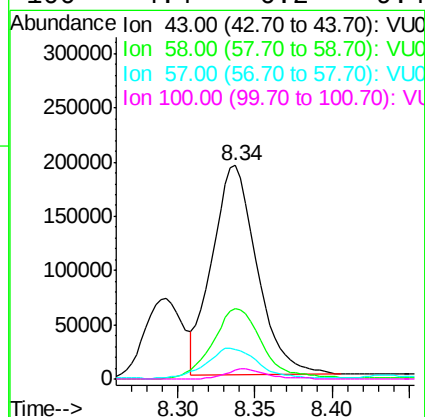
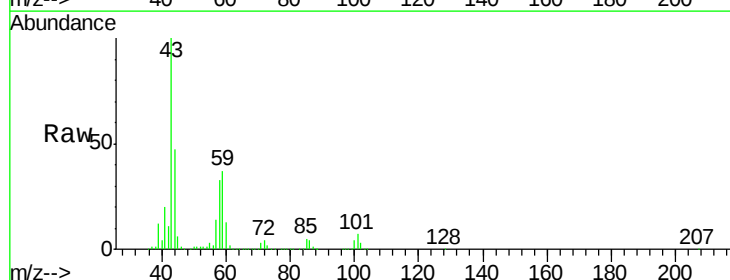
Ion Ratio Lower Upper

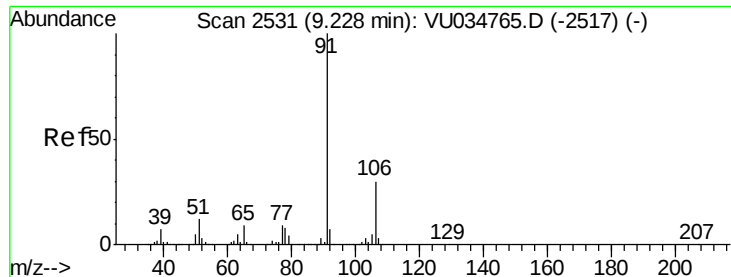
43 100

58 37.3 35.3 52.9

57 16.3 12.1 18.1

100 4.4 6.2 9.4#





#52

Ethylbenzene

Concen: 1.181 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

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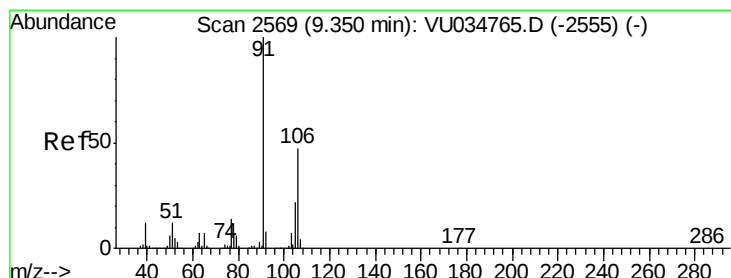
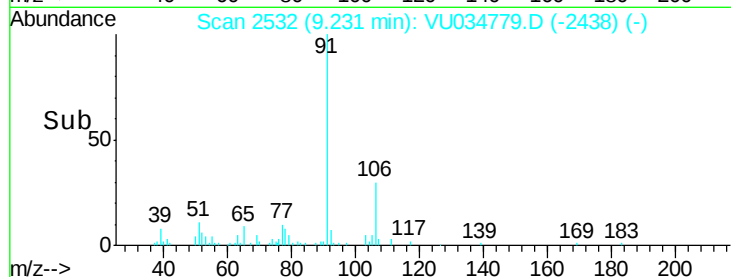
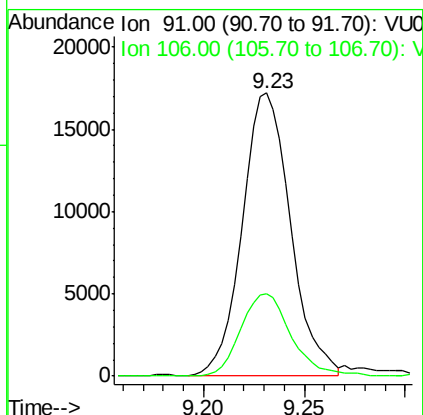
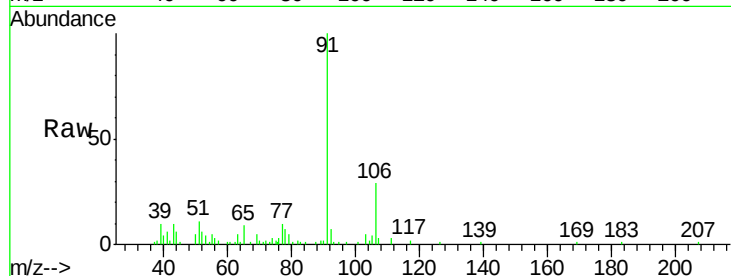
BFDE8RE

Tot Ion: 91 Resp: 28887

Ion Ratio Lower Upper

91 100

106 29.3 20.6 38.4



#53

m,p-Xylene

Concen: 4.715 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034779.D

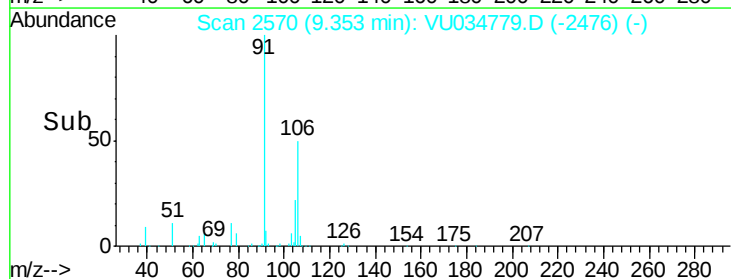
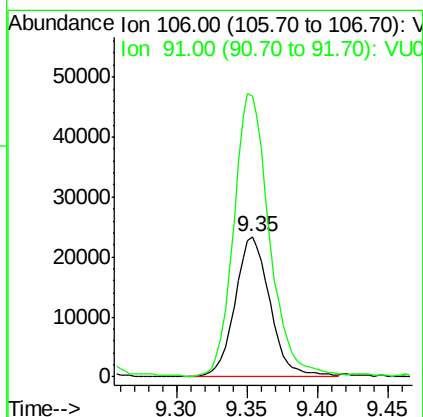
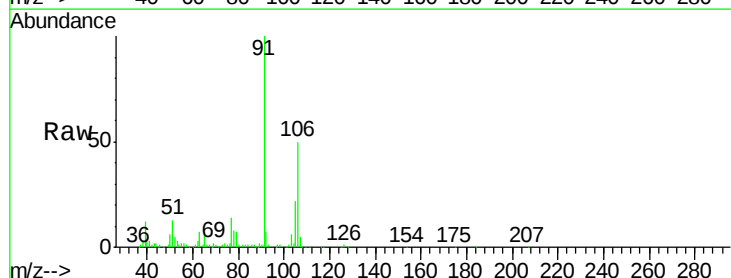
Acq: 24 Sep 2019 18:22

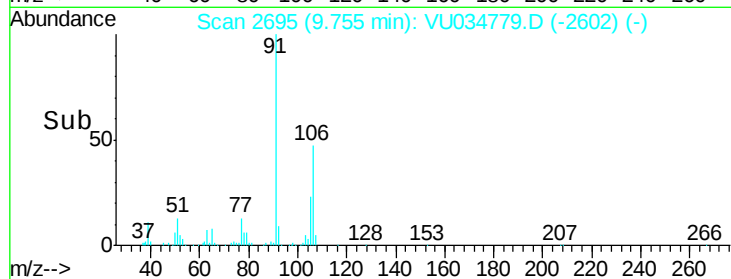
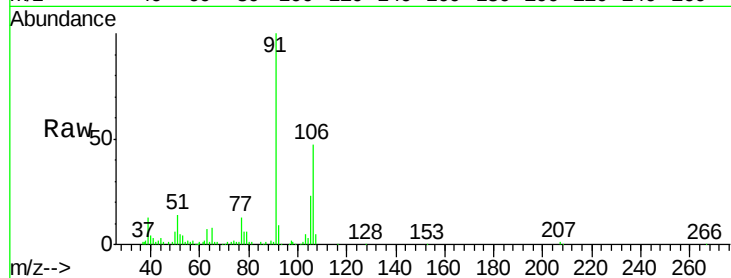
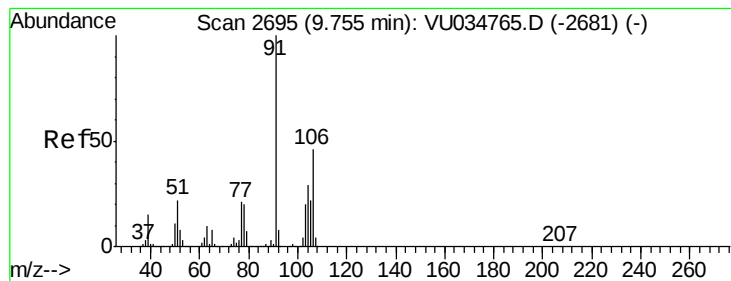
Tgt Ion: 106 Resp: 40862

Ion Ratio Lower Upper

106 100

91 200.2 146.9 272.7





#54

o-xylene

Concen: 3.319 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034779.D

Acq: 24 Sep 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

BFDE8RE

Tot Ion:106 Resp: 28448

Ion Ratio Lower Upper

106 100

91 212.8 155.6 289.0

