

Data File : VU034971.D
Acq On : 07 Oct 2019 19:50
Operator : JC/SP
Sample : K5219-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RB-1-190930-01

Quant Time: Oct 09 04:03:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 03:56:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	182587	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	187353	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	79871	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48598	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.67	69	47745	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.26	63	74254	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.17	46	161300	50.75	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.50%
24) Chloroform-d	4.62	84	95402	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.29	65	62138	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.32	84	210168	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.31	67	71705	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.54	98	186945	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.84	79	21858	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.30	63	132046	52.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.06%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	62371	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	71963	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

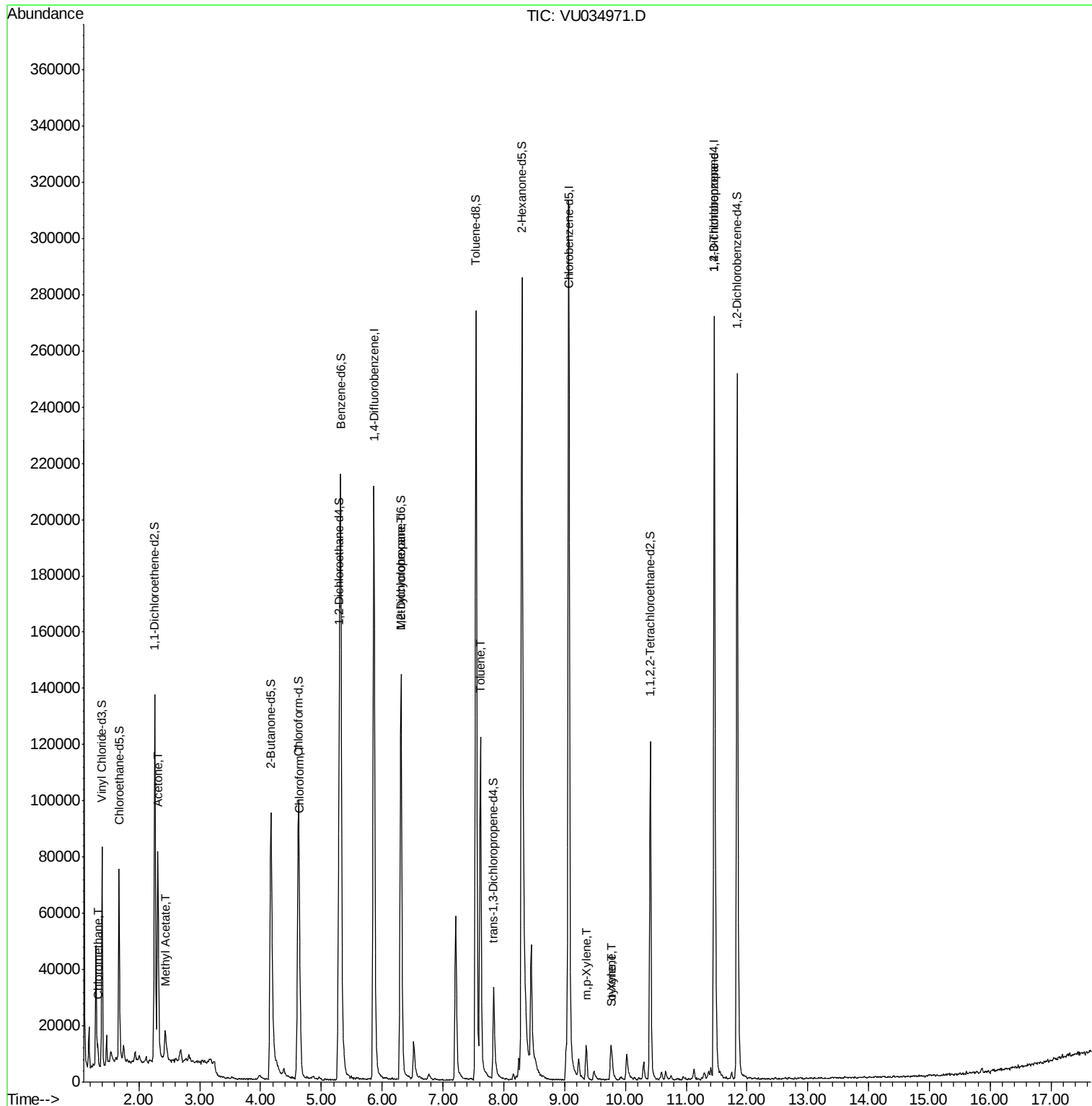
					Qvalue
3) Chloromethane	1.32	50	3880	0.212 ug/L	91
13) Acetone	2.31	43	81864	31.448 ug/L	99
15) Methyl Acetate	2.43	43	3488	0.503 ug/L #	55
25) Chloroform	4.65	83	13639	0.486 ug/L	96
35) Methylcyclohexane	6.31	83	16000	0.679 ug/L #	19
42) Toluene	7.62	91	92789	1.575 ug/L	98
53) m,p-Xylene	9.36	106	4313	0.179 ug/L	87
54) o-Xylene	9.76	106	2921	0.124 ug/L	88
55) Styrene	9.78	104	3721	0.098 ug/L	100
59) 1,2,3-Trichloropropane	11.46	75	10299	1.045 ug/L	94

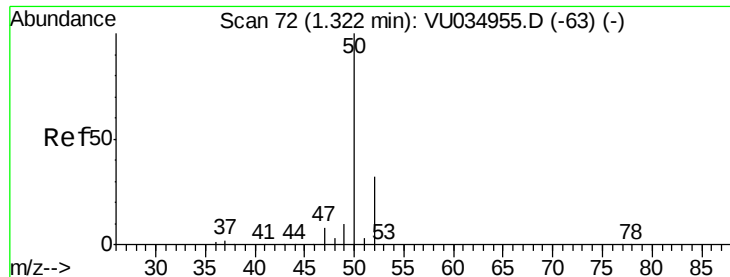
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.212 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

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Acq: 07 Oct 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

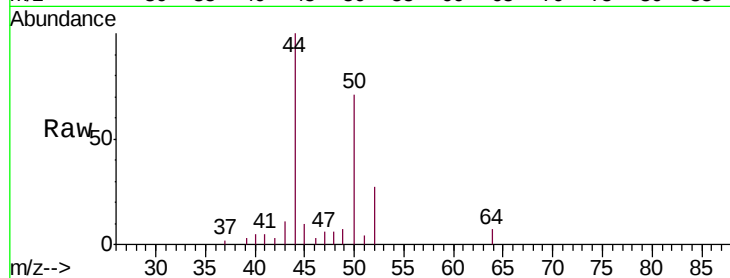
RB-1-190930-01

Tgt Ion: 50 Resp: 3880

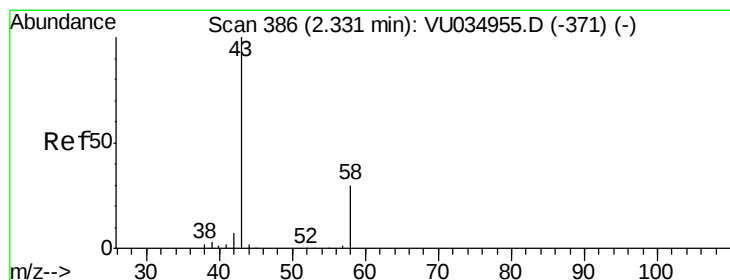
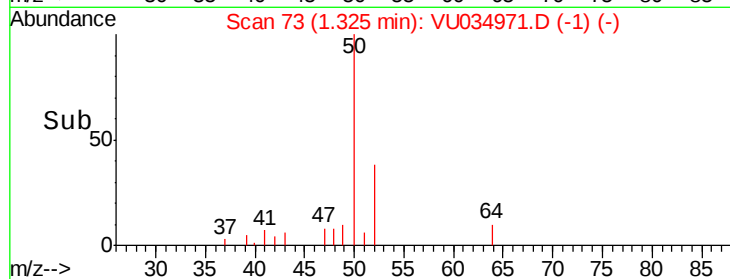
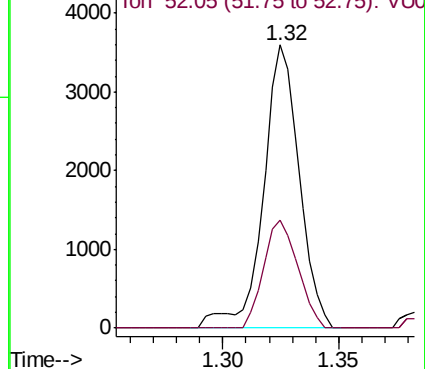
Ion Ratio Lower Upper

50 100

52 38.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034971.D (-1) (-)



#13

Acetone

Concen: 31.448 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034971.D

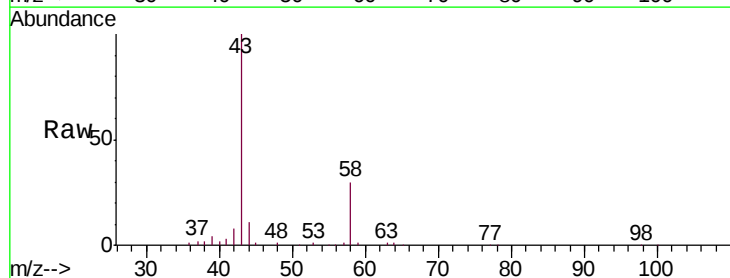
Acq: 07 Oct 2019 19:50

Tgt Ion: 43 Resp: 81864

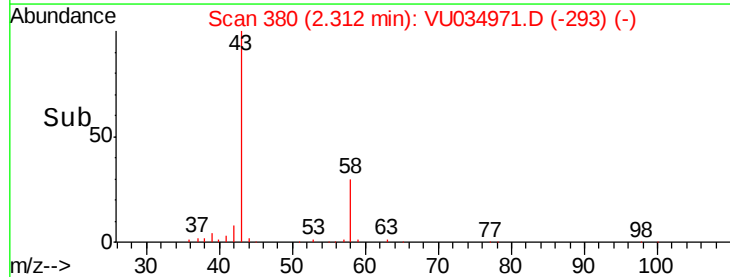
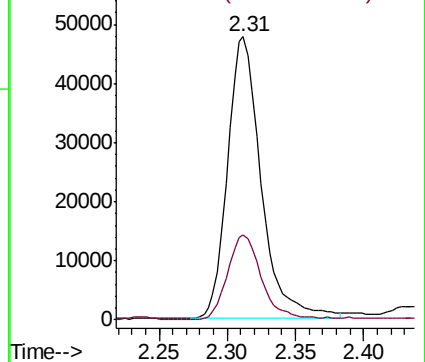
Ion Ratio Lower Upper

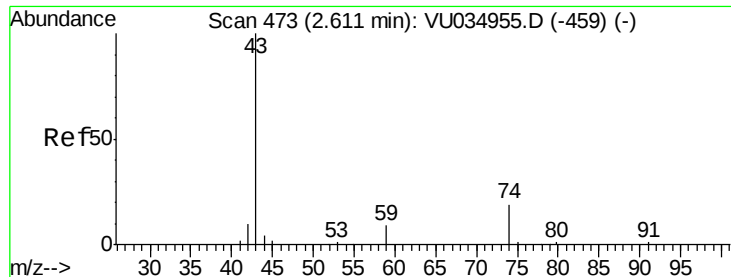
43 100

58 31.0 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034971.D (-293) (-)





#15

Methyl Acetate

Concen: 0.503 ug/L

RT: 2.43 min Scan# 417

Delta R.T. -0.18 min

Lab File: VU034971.D

Acq: 07 Oct 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

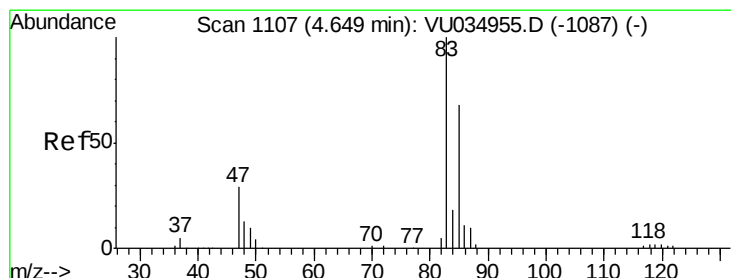
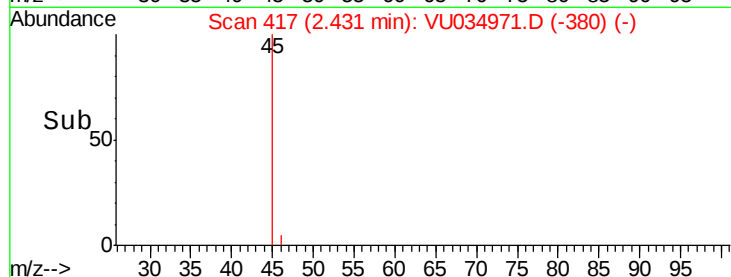
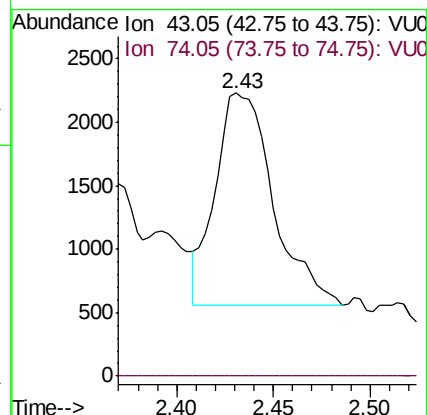
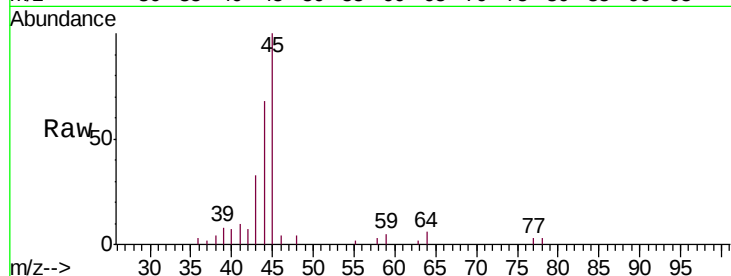
RB-1-190930-01

Tgt Ion: 43 Resp: 3488

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#25

Chloroform

Concen: 0.486 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU034971.D

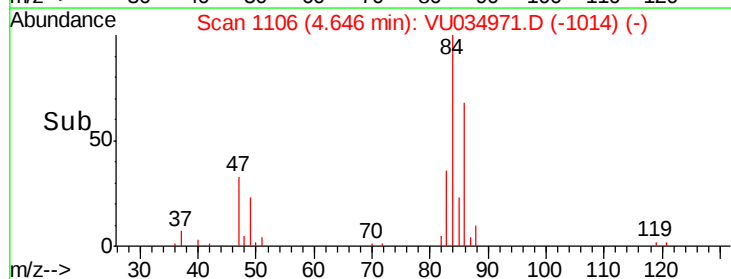
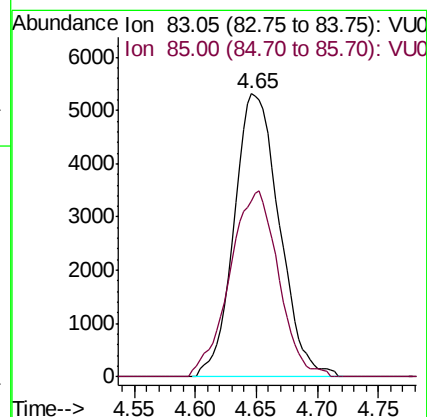
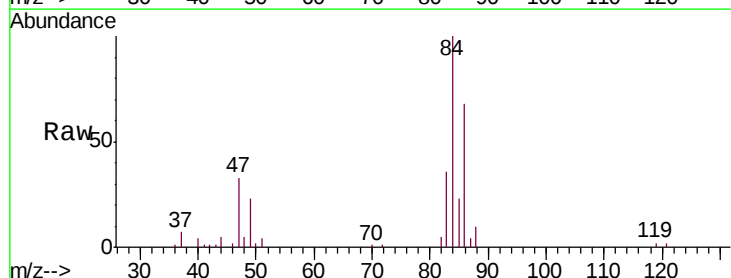
Acq: 07 Oct 2019 19:50

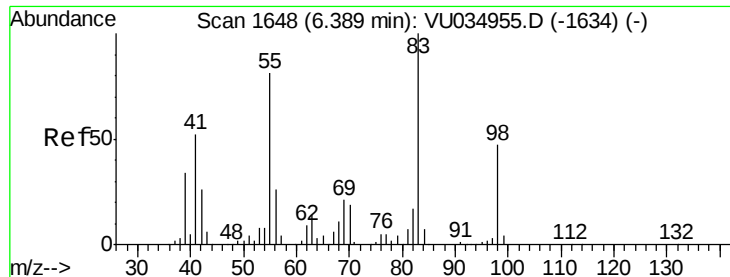
Tgt Ion: 83 Resp: 13639

Ion Ratio Lower Upper

83 100

85 61.9 45.4 84.4

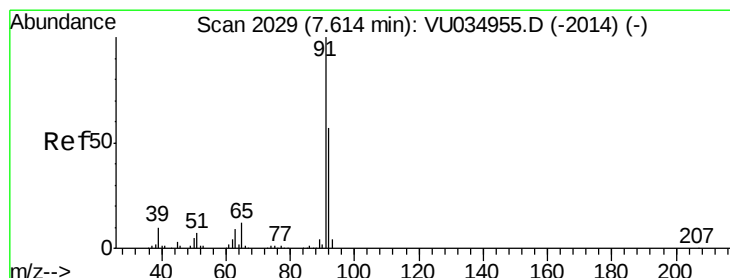
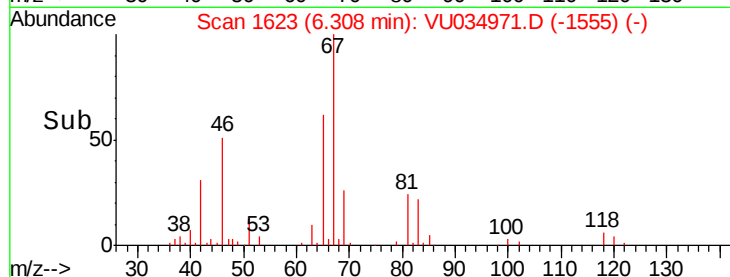
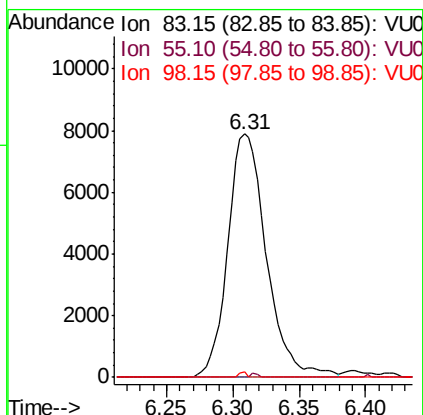
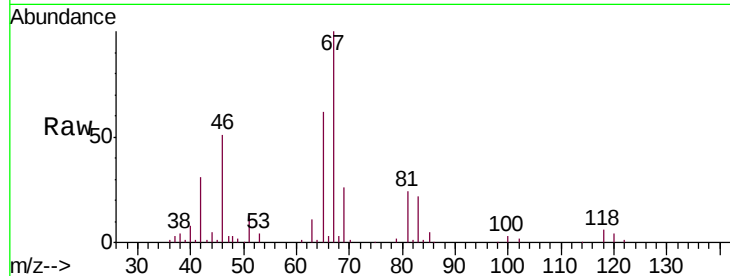




#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU034971.D
Acq: 07 Oct 2019 19:50

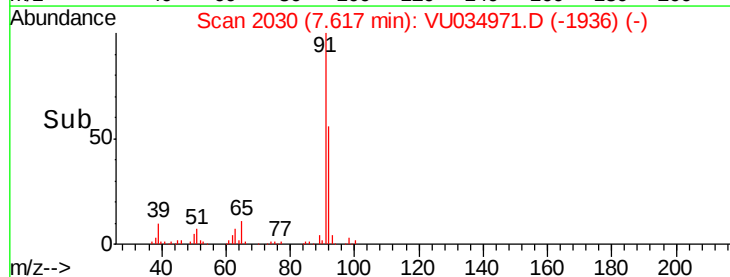
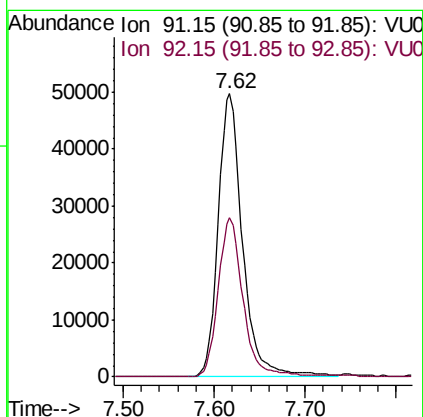
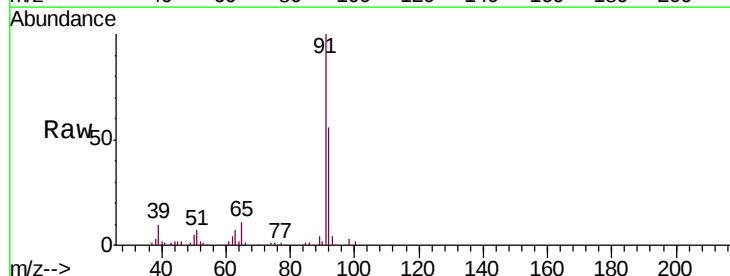
Instrument :
MSVOA_U
ClientSampleId :
RB-1-190930-01

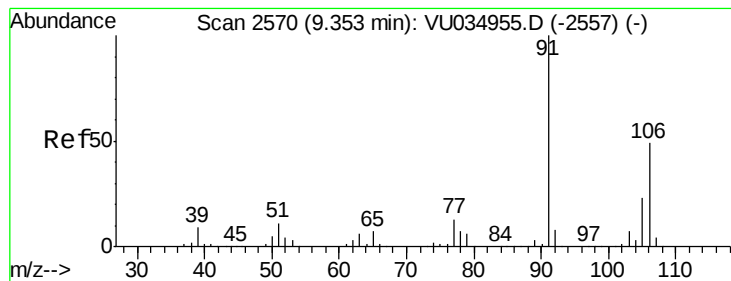
Tgt Ion: 83 Resp: 16000
Ion Ratio Lower Upper
83 100
55 0.3 62.4 93.6#
98 0.4 35.5 53.3#



#42
Toluene
Concen: 1.575 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034971.D
Acq: 07 Oct 2019 19:50

Tgt Ion: 91 Resp: 92789
Ion Ratio Lower Upper
91 100
92 56.3 40.2 74.6





#53

m,p-Xylene

Concen: 0.179 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034971.D

Acq: 07 Oct 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

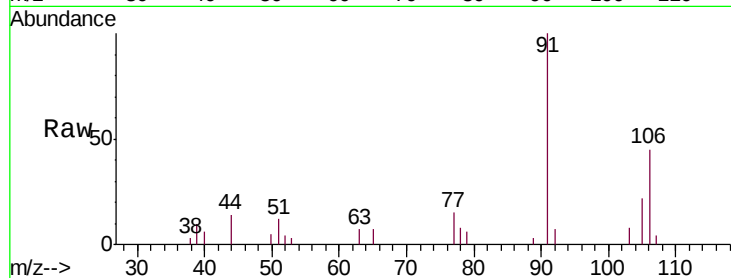
RB-1-190930-01

Tgt Ion:106 Resp: 4313

Ion Ratio Lower Upper

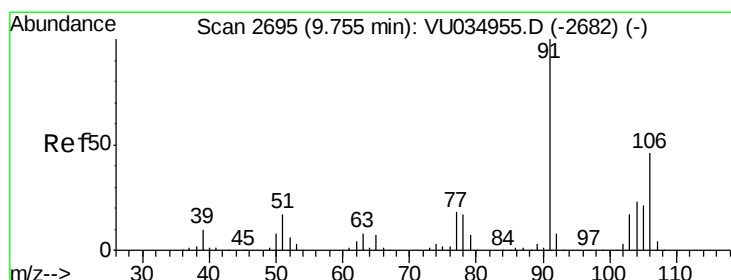
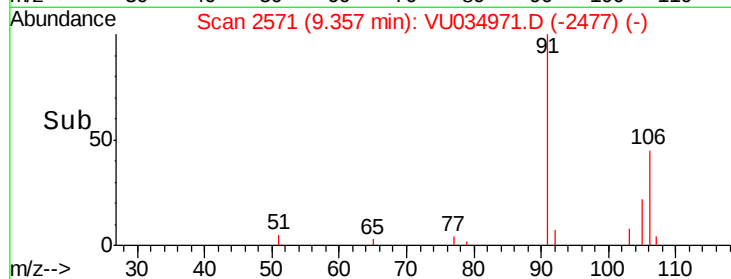
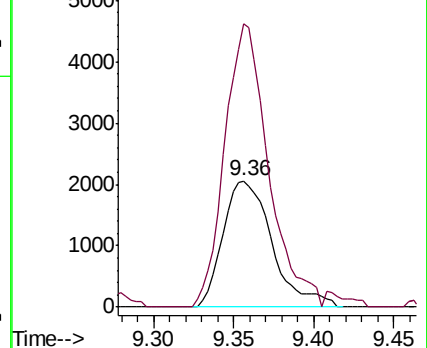
106 100

91 224.7 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.124 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VU034971.D

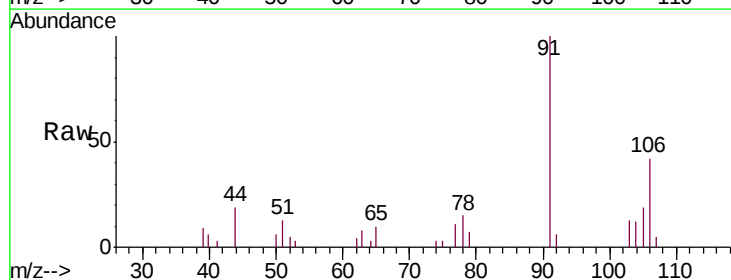
Acq: 07 Oct 2019 19:50

Tgt Ion:106 Resp: 2921

Ion Ratio Lower Upper

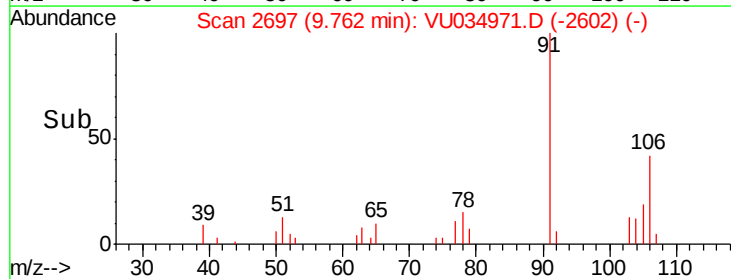
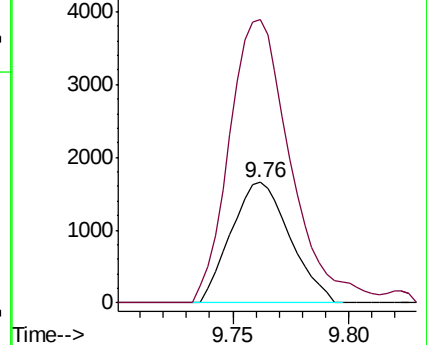
106 100

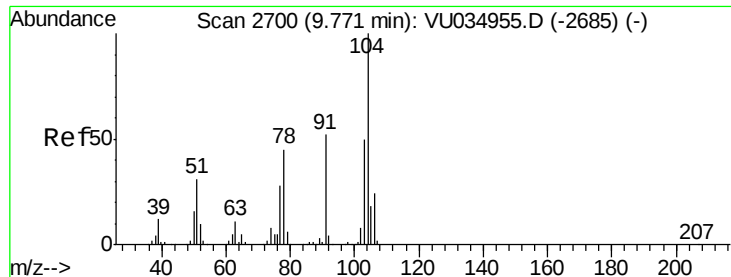
91 235.3 151.6 281.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.098 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU034971.D

Acq: 07 Oct 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

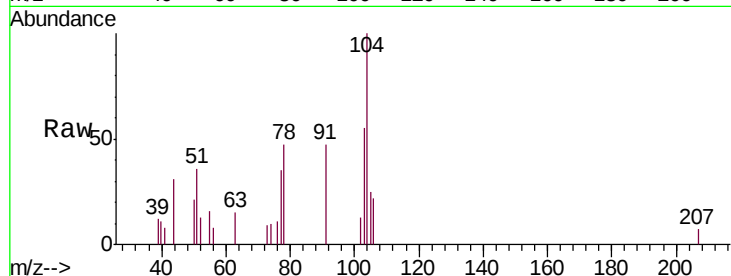
RB-1-190930-01

Tgt Ion: 104 Resp: 3721

Ion Ratio Lower Upper

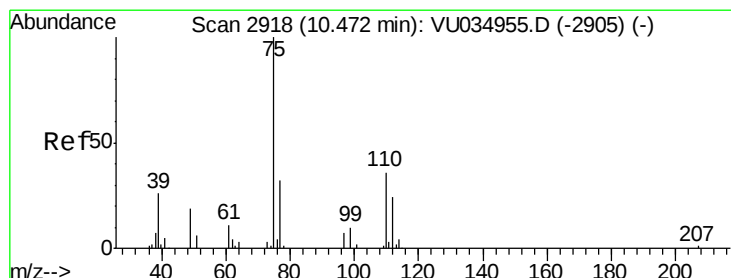
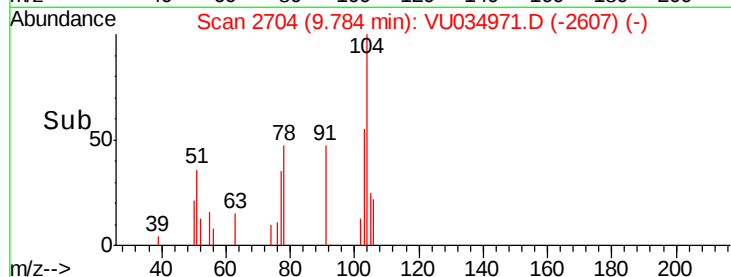
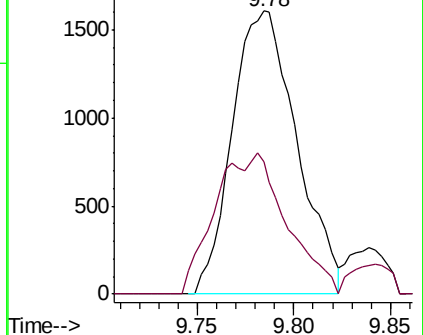
104 100

78 46.7 32.7 60.7



Abundance Ion 104.10 (103.80 to 104.80): VU034971.D (-2685) (-)

Ion 78.10 (77.80 to 78.80): VU034971.D (-2685) (-)



#59

1,2,3-Trichloropropane

Concen: 1.045 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034971.D

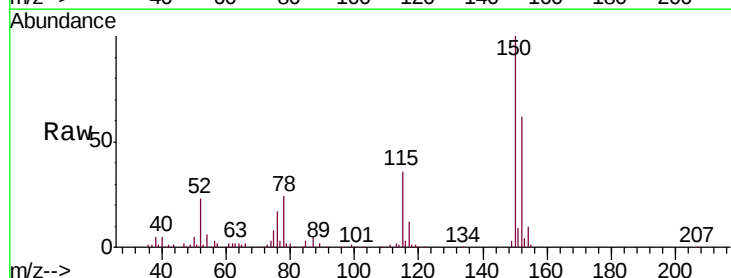
Acq: 07 Oct 2019 19:50

Tgt Ion: 75 Resp: 10299

Ion Ratio Lower Upper

75 100

77 35.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU034971.D (-2296) (-)

Ion 77.00 (76.70 to 77.70): VU034971.D (-2296) (-)

