

Data File : VU034962.D
Acq On : 07 Oct 2019 16:11
Operator : JC/SP
Sample : K5219-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-191002-01

Quant Time: Oct 09 04:01:02 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	183724	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	185563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	83358	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49987	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.67	69	46399	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.26	63	74252	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.19	46	153542	48.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.02%
24) Chloroform-d	4.62	84	95128	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.29	65	57570	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.31	84	204399	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.31	67	70370	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	188297	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.84	79	22023	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.30	63	112505	45.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56909	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	71534	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

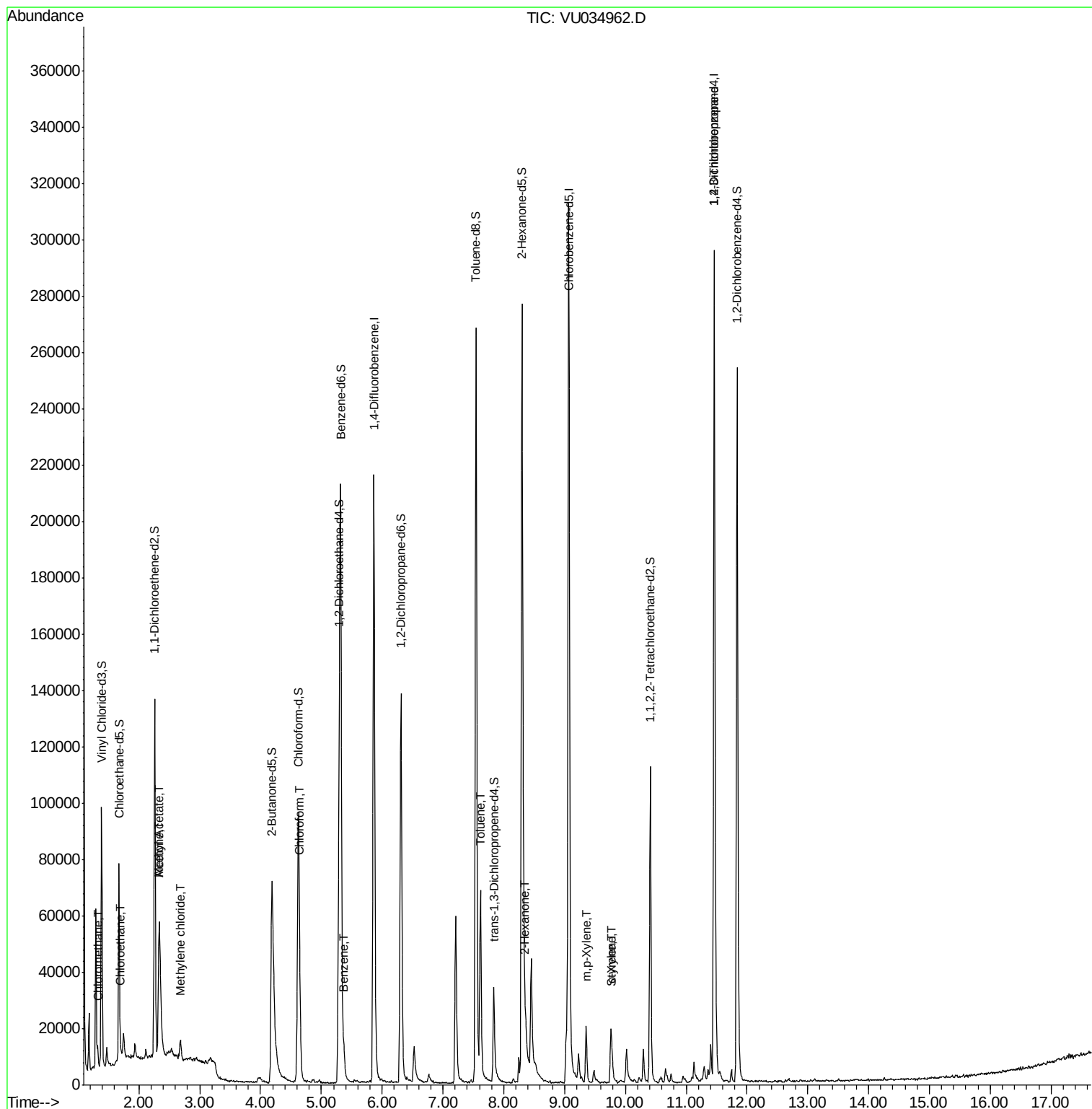
					Qvalue
3) Chloromethane	1.32	50	3074	0.167 ug/L	95
8) Chloroethane	1.70	64	1379	0.127 ug/L #	56
13) Acetone	2.33	43	90937	34.717 ug/L	98
15) Methyl Acetate	2.33	43	74901	10.742 ug/L #	55
16) Methylene chloride	2.68	84	2711	0.186 ug/L	91
25) Chloroform	4.65	83	11027	0.391 ug/L	100
33) Benzene	5.37	78	8471	0.152 ug/L	100
42) Toluene	7.62	91	51217	0.878 ug/L	100
48) 2-Hexanone	8.36	43	6575	1.011 ug/L #	91
53) m,p-Xylene	9.36	106	6143	0.258 ug/L	100
54) o-Xylene	9.76	106	4474	0.192 ug/L	96
55) Styrene	9.78	104	5938	0.158 ug/L	91
59) 1,2,3-Trichloropropane	11.46	75	10489	1.075 ug/L #	85

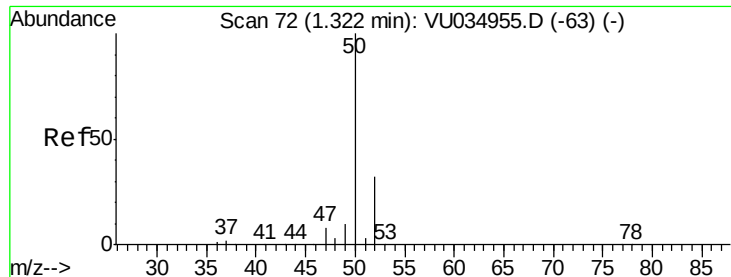
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.167 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034962.D

Acq: 07 Oct 2019 16:11

Instrument :

MSVOA_U

ClientSampleId :

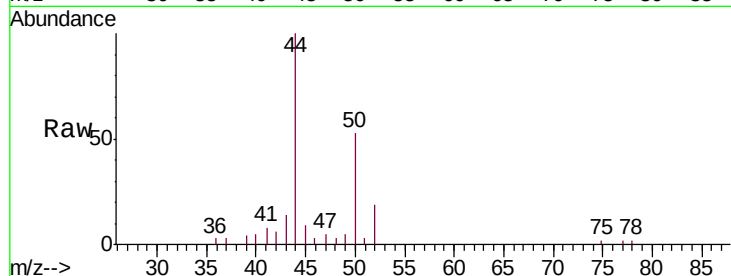
TB-191002-01

Tgt Ion: 50 Resp: 3074

Ion Ratio Lower Upper

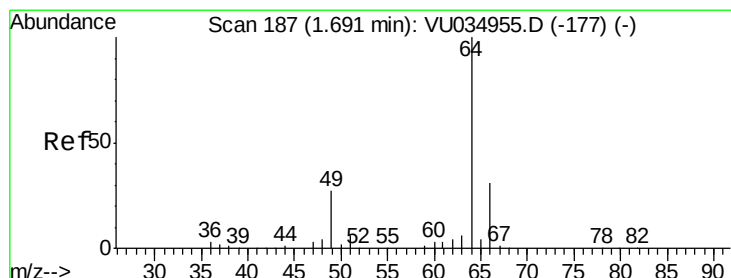
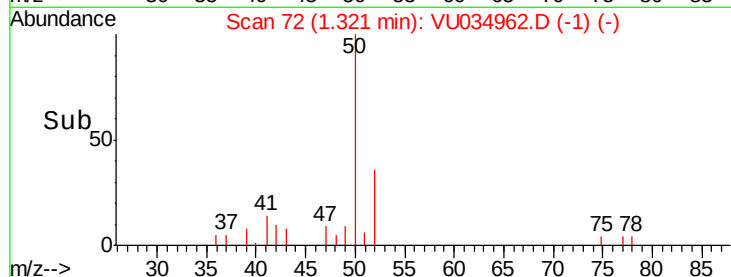
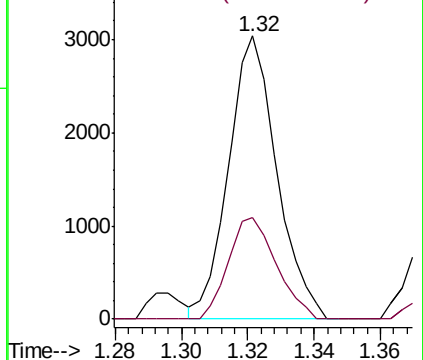
50 100

52 35.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034955.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU034955.D (-63) (-)



#8

Chloroethane

Concen: 0.127 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU034962.D

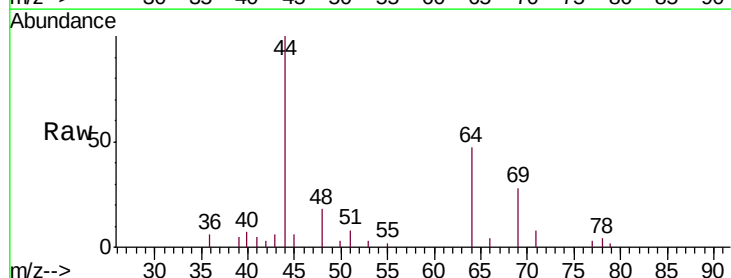
Acq: 07 Oct 2019 16:11

Tgt Ion: 64 Resp: 1379

Ion Ratio Lower Upper

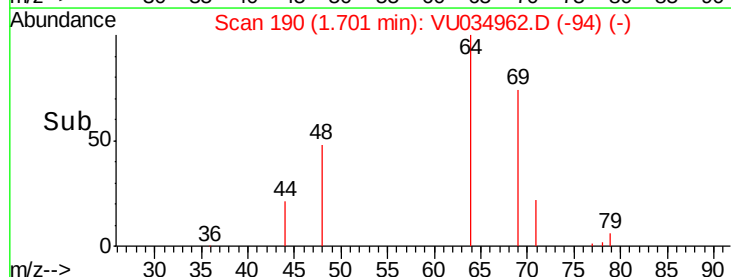
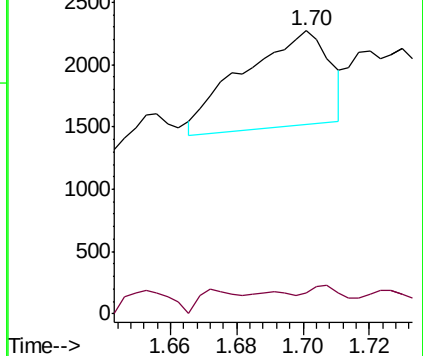
64 100

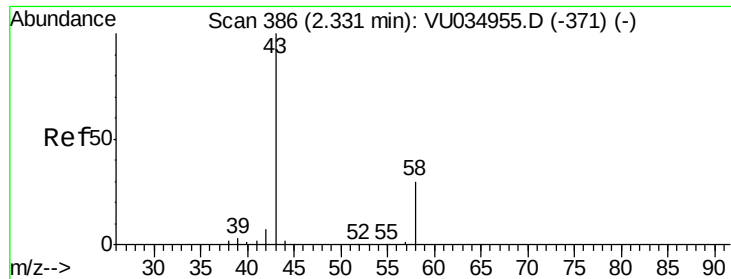
66 7.6 22.4 41.6#



Abundance Ion 64.10 (63.80 to 64.80): VU034955.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034955.D (-177) (-)





#13

Acetone

Concen: 34.717 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.00 min

Lab File: VU034962.D

Acq: 07 Oct 2019 16:11

Instrument :

MSVOA_U

ClientSampleId :

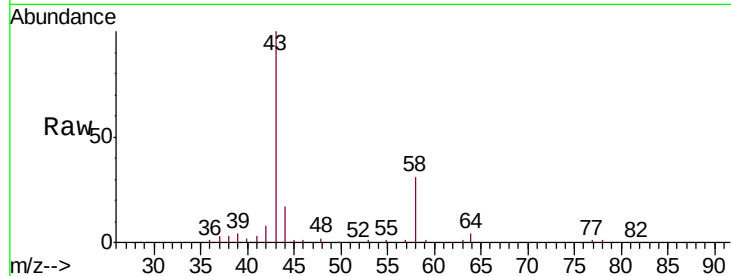
TB-191002-01

Tgt Ion: 43 Resp: 90937

Ion Ratio Lower Upper

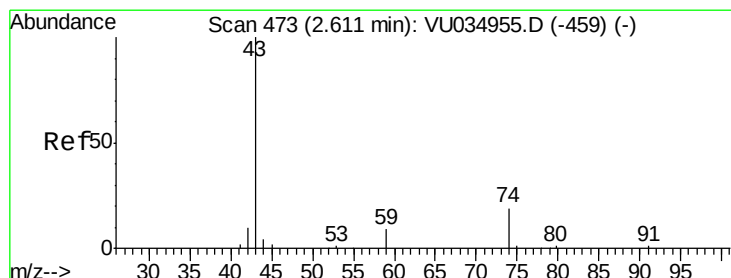
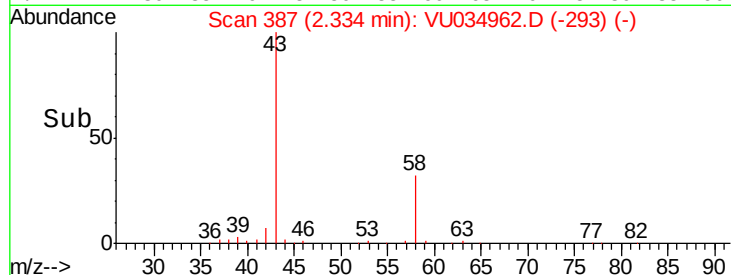
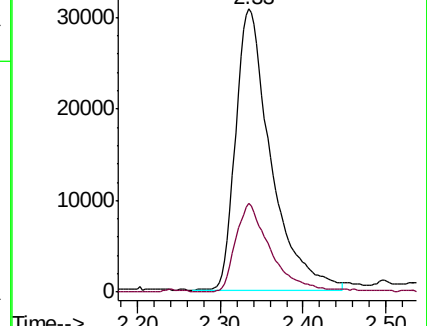
43 100

58 31.5 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034955.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU034955.D (-371) (-)



#15

Methyl Acetate

Concen: 10.742 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.28 min

Lab File: VU034962.D

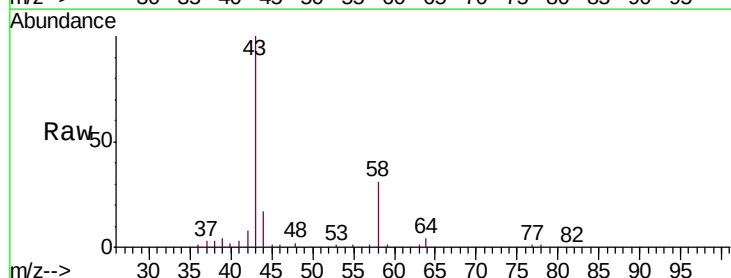
Acq: 07 Oct 2019 16:11

Tgt Ion: 43 Resp: 74901

Ion Ratio Lower Upper

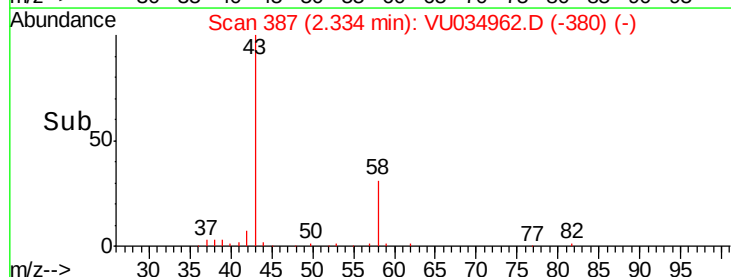
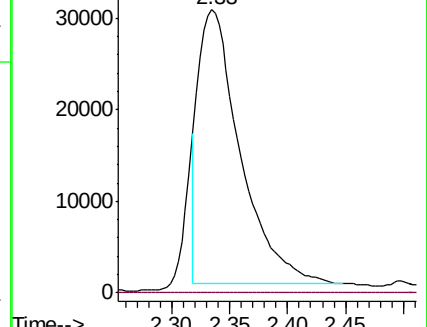
43 100

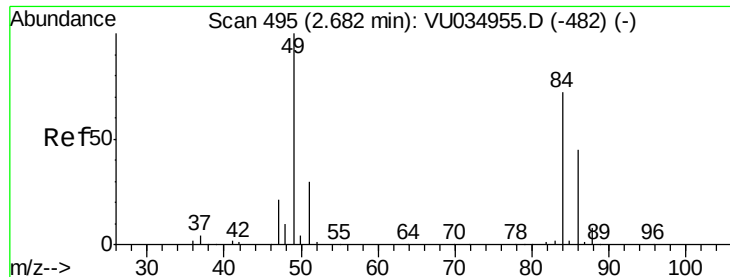
74 0.1 17.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU034955.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU034955.D (-459) (-)

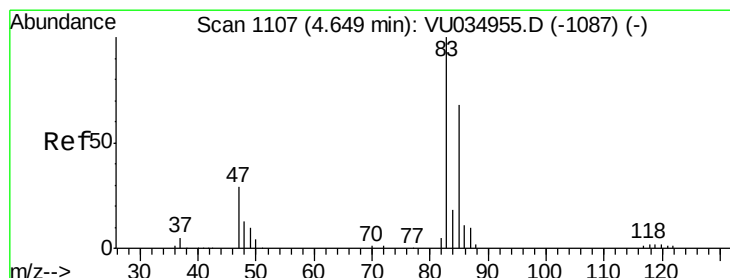
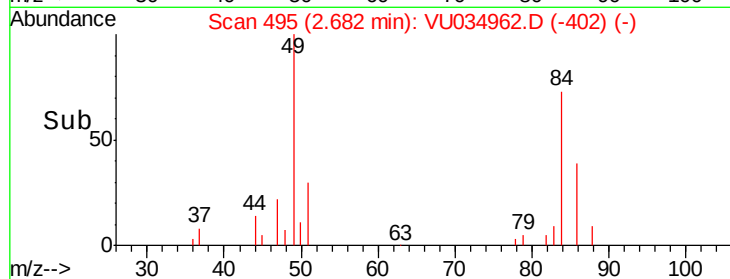
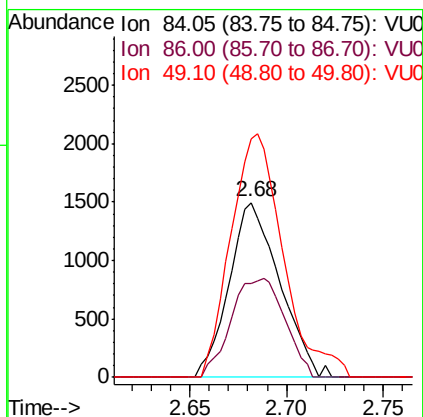
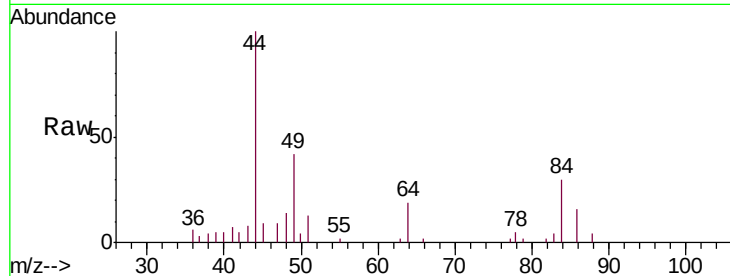




#16
Methylene chloride
Concen: 0.186 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034962.D
Acq: 07 Oct 2019 16:11

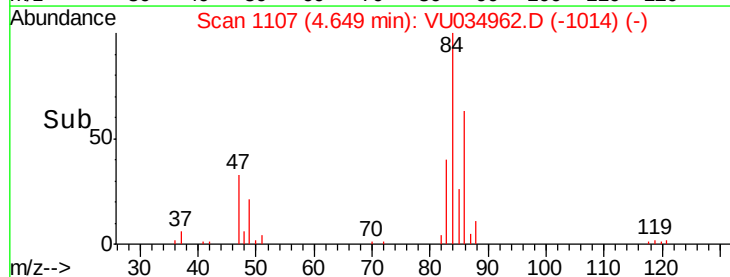
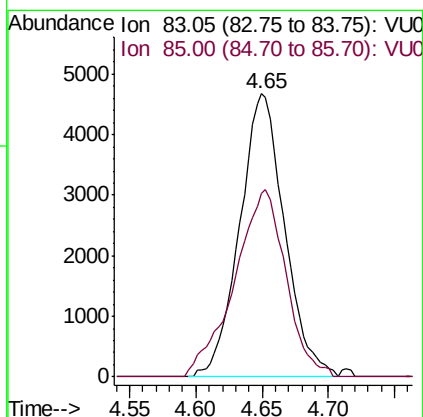
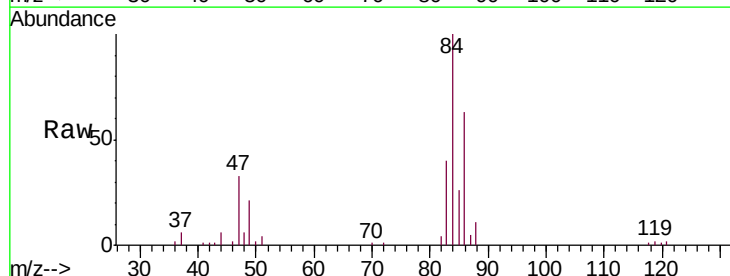
Instrument :
MSVOA_U
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TB-191002-01

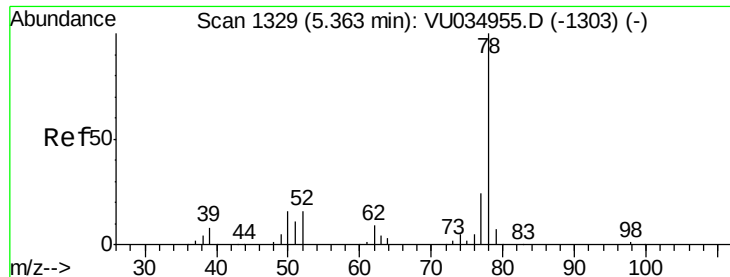
Tgt Ion: 84 Resp: 2711
Ion Ratio Lower Upper
84 100
86 53.9 46.3 86.1
49 136.7 101.4 188.4



#25
Chloroform
Concen: 0.391 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034962.D
Acq: 07 Oct 2019 16:11

Tgt Ion: 83 Resp: 11027
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4





#33

Benzene

Concen: 0.152 ug/L

RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU034962.D

Acq: 07 Oct 2019 16:11

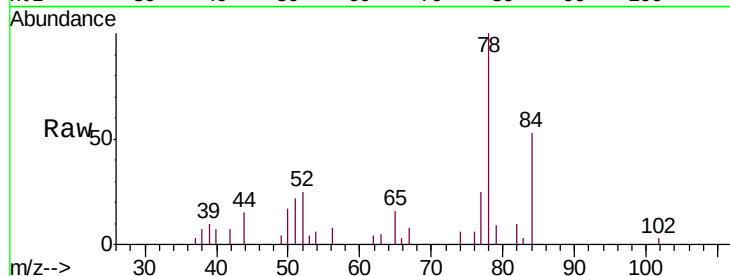
Instrument :

MSVOA_U

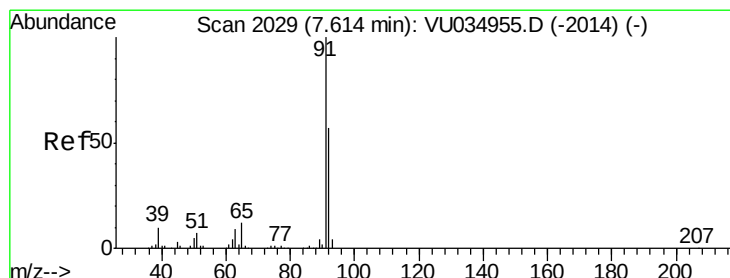
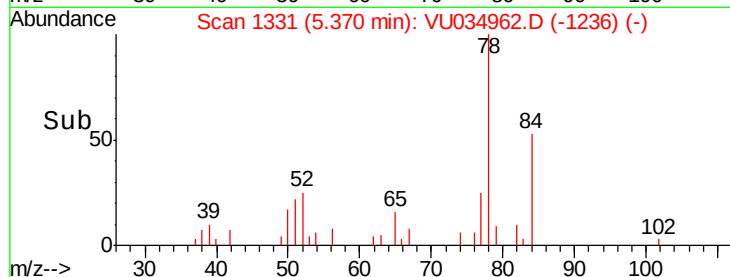
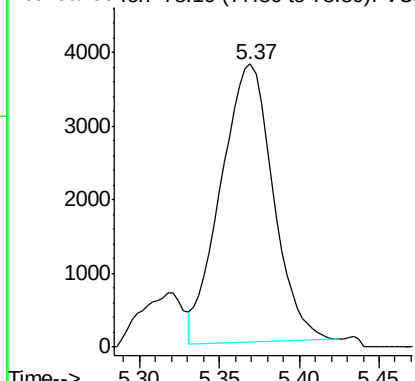
ClientSampleId :

TB-191002-01

Tgt Ion: 78 Resp: 8471



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.878 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034962.D

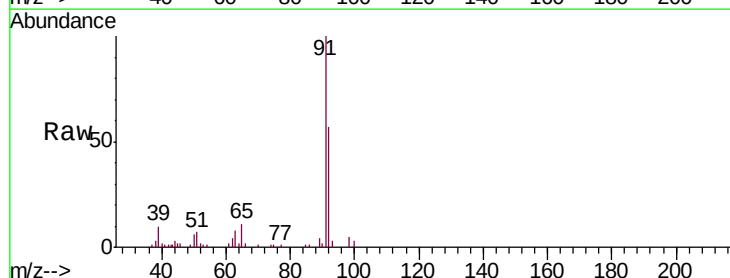
Acq: 07 Oct 2019 16:11

Tgt Ion: 91 Resp: 51217

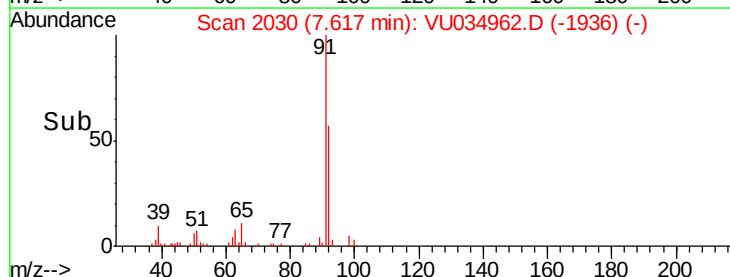
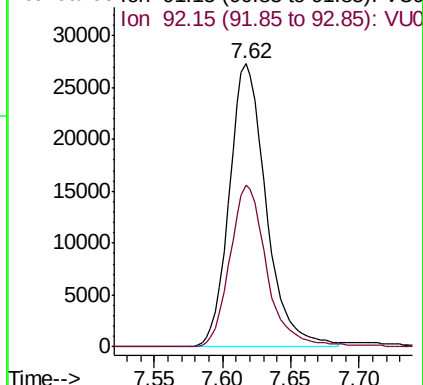
Ion Ratio Lower Upper

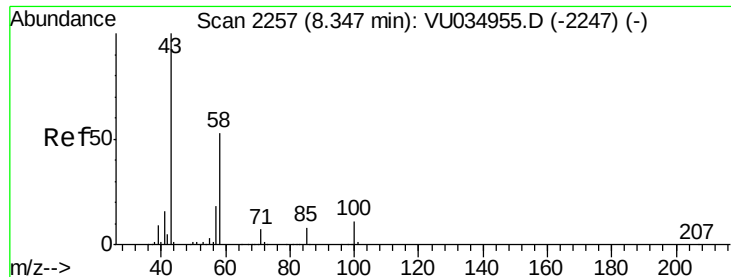
91 100

92 57.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

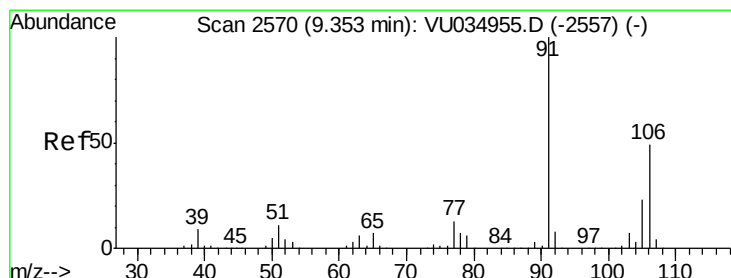
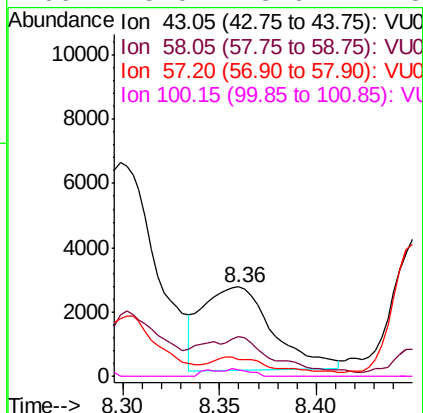
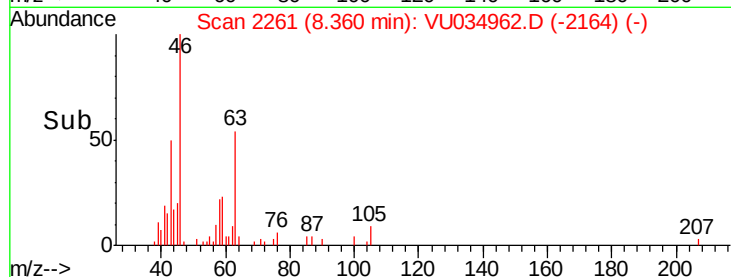
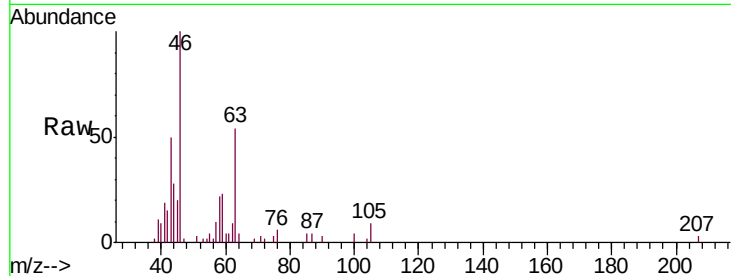




#48
 2-Hexanone
 Concen: 1.011 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.01 min
 Lab File: VU034962.D
 Acq: 07 Oct 2019 16:11

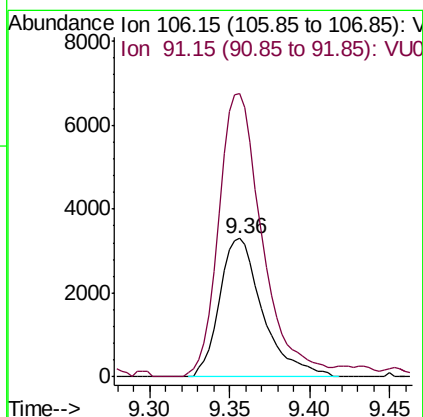
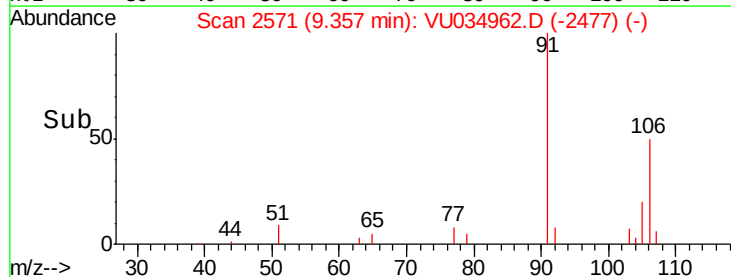
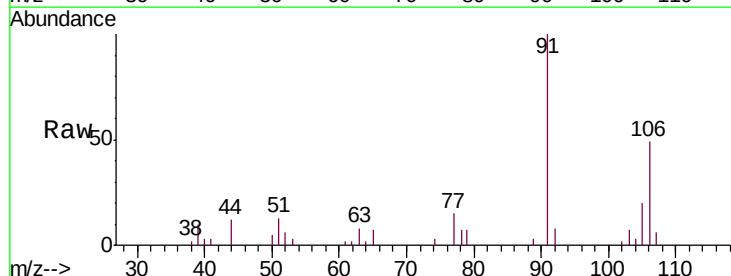
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 TB-191002-01

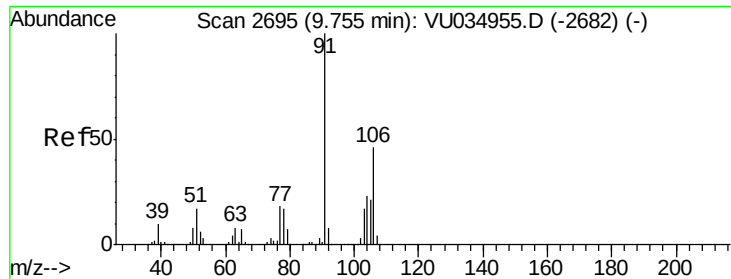
Tgt Ion: 43 Resp: 6575
 Ion Ratio Lower Upper
 43 100
 58 49.5 43.3 64.9
 57 14.0 14.5 21.7#
 100 3.0 8.6 12.8#



#53
 m,p-Xylene
 Concen: 0.258 ug/L
 RT: 9.36 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VU034962.D
 Acq: 07 Oct 2019 16:11

Tgt Ion: 106 Resp: 6143
 Ion Ratio Lower Upper
 106 100
 91 204.1 143.1 265.9

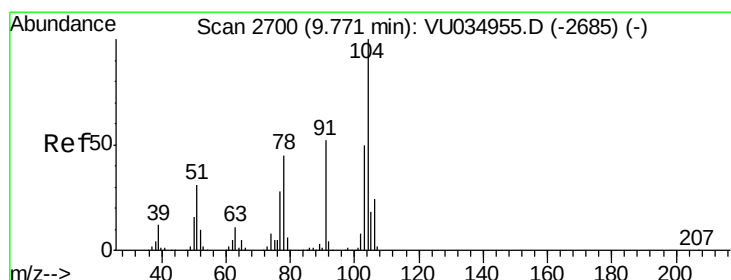
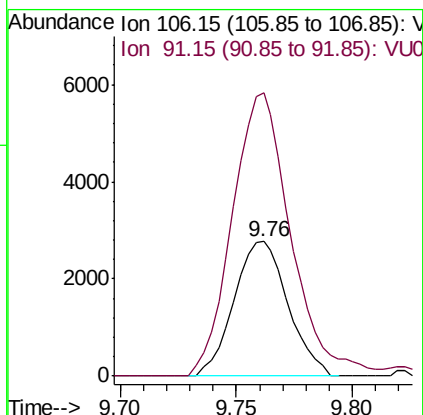
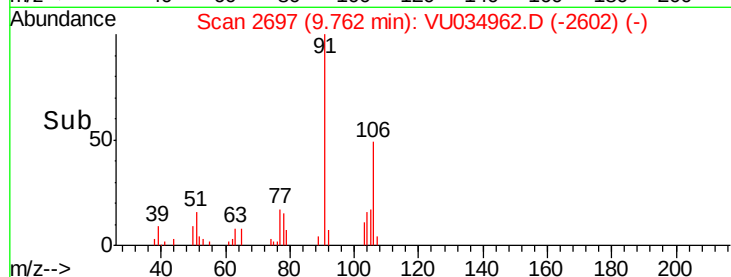
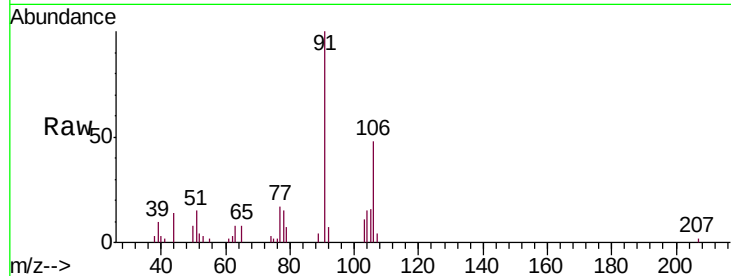




#54
o-Xylene
Concen: 0.192 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.01 min
Lab File: VU034962.D
Acq: 07 Oct 2019 16:11

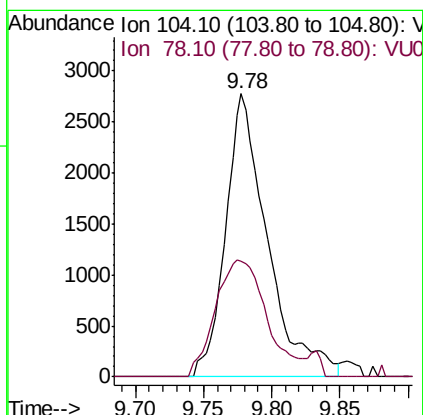
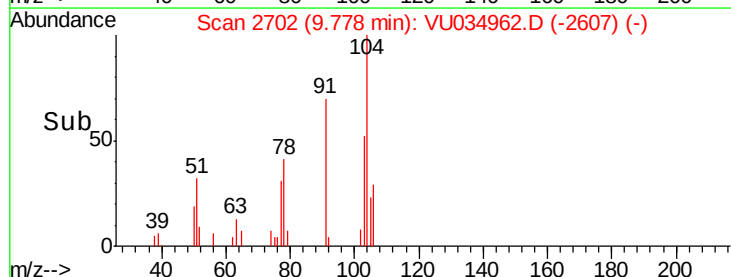
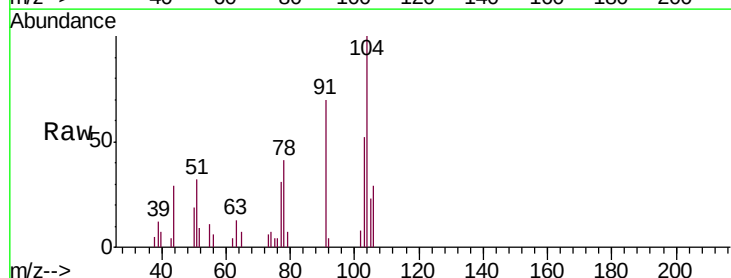
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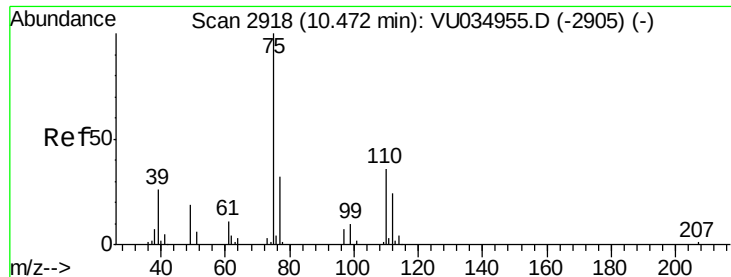
Tgt Ion:106 Resp: 4474
Ion Ratio Lower Upper
106 100
91 210.0 151.6 281.6



#55
Styrene
Concen: 0.158 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034962.D
Acq: 07 Oct 2019 16:11

Tgt Ion:104 Resp: 5938
Ion Ratio Lower Upper
104 100
78 40.7 32.7 60.7





#59

1,2,3-Trichloropropane

Concen: 1.075 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034962.D

Acq: 07 Oct 2019 16:11

Instrument :

MSVOA_U

ClientSampleId :

TB-191002-01

Tgt Ion: 75 Resp: 10489

Ion Ratio Lower Upper

75 100

77 40.6 25.8 38.6#

