

Data File : VU035059.D
Acq On : 10 Oct 2019 19:48
Operator : JC/SP
Sample : K5309-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RB-1-191004-01

Quant Time: Oct 11 04:44:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	161677	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167689	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	69193	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36267	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.67	69	38152	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.26	63	56564	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.18	46	158831	56.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.86%
24) Chloroform-d	4.62	84	85323	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.29	65	52760	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.32	84	171205	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.31	67	62417	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	147303	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.40%
43) trans-1,3-Dichloropropene-	7.84	79	19556	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.30	63	115793	51.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56305	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	60024	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

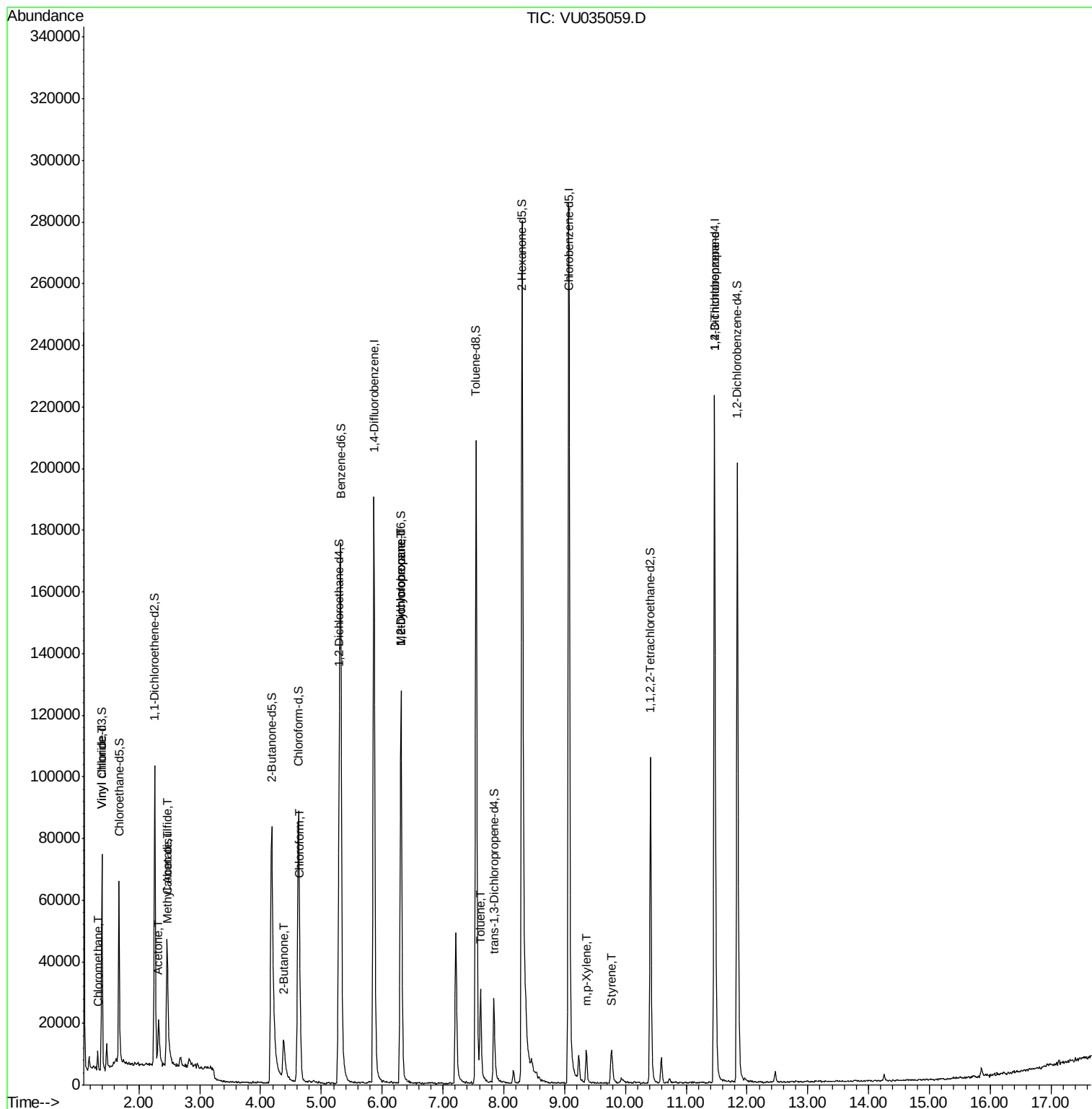
					Qvalue
3) Chloromethane	1.32	50	3749	0.231 ug/L	95
5) Vinyl chloride	1.40	62	11943	0.750 ug/L	98
13) Acetone	2.32	43	20939	9.084 ug/L	91
14) Carbon disulfide	2.46	76	45251	1.309 ug/L	99
15) Methyl Acetate	2.48	43	4034	0.657 ug/L #	53
21) 2-Butanone	4.38	43	20909	6.370 ug/L #	48
25) Chloroform	4.65	83	10996	0.443 ug/L	99
35) Methylcyclohexane	6.31	83	14281	0.677 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7069	0.519 ug/L #	88
42) Toluene	7.62	91	21917	0.416 ug/L	100
53) m,p-Xylene	9.36	106	3523	0.164 ug/L	98
55) Styrene	9.78	104	4299	0.126 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	8846	1.003 ug/L	96

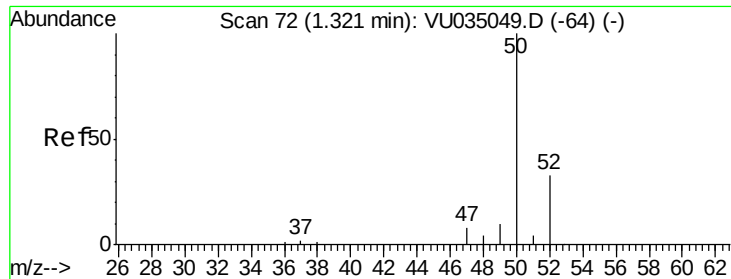
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.231 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

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Acq: 10 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

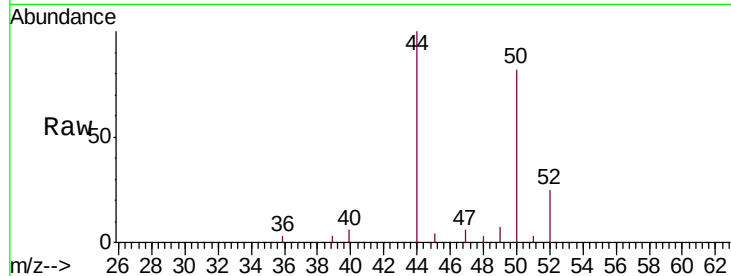
RB-1-191004-01

Tgt Ion: 50 Resp: 3749

Ion Ratio Lower Upper

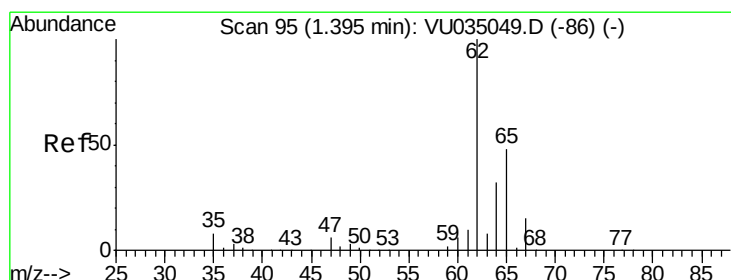
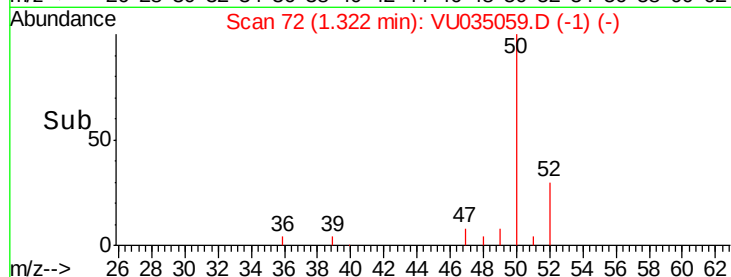
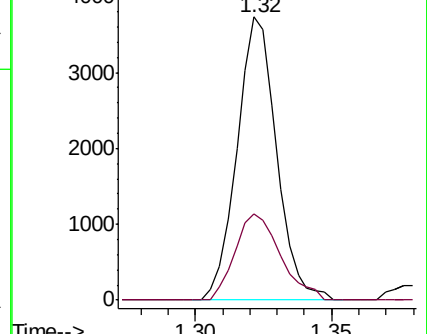
50 100

52 30.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.750 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035059.D

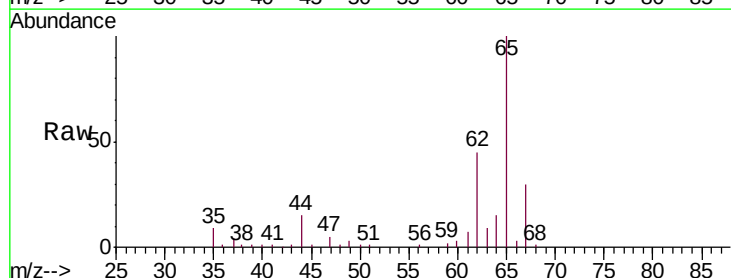
Acq: 10 Oct 2019 19:48

Tgt Ion: 62 Resp: 11943

Ion Ratio Lower Upper

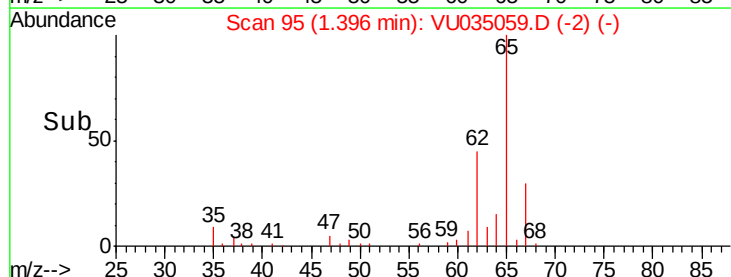
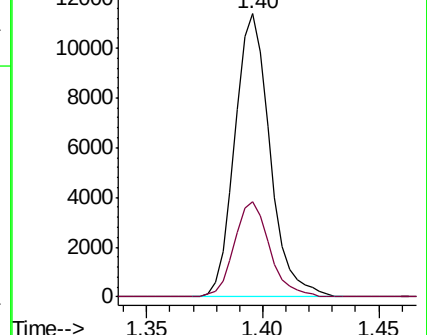
62 100

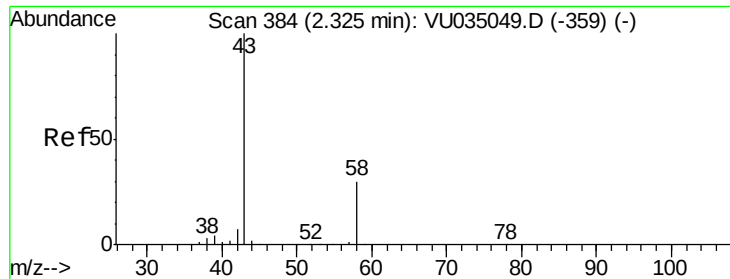
64 33.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 9.084 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

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Acq: 10 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

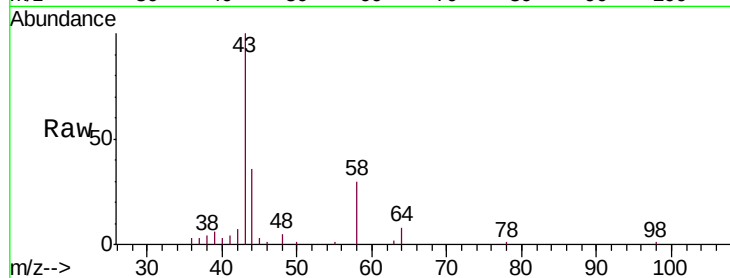
RB-1-191004-01

Tgt Ion: 43 Resp: 20939

Ion Ratio Lower Upper

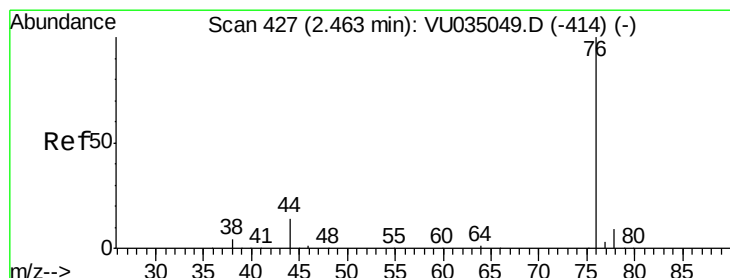
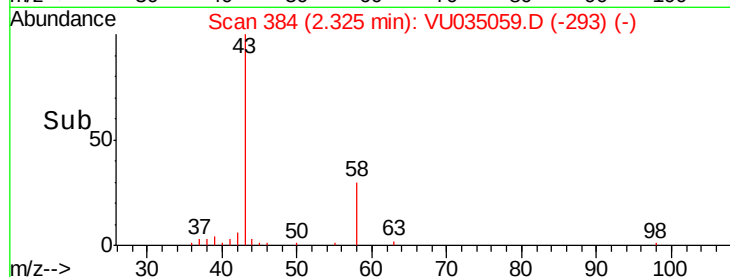
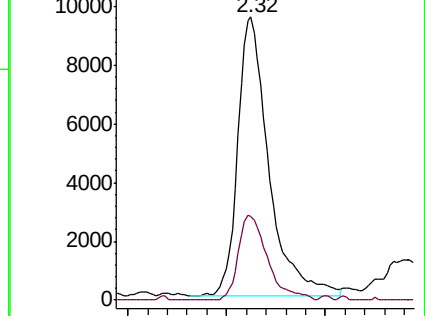
43 100

58 28.4 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU035049.D (-359) (-)



#14

Carbon disulfide

Concen: 1.309 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU035059.D

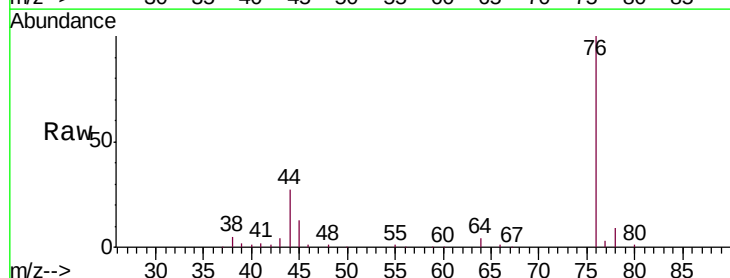
Acq: 10 Oct 2019 19:48

Tgt Ion: 76 Resp: 45251

Ion Ratio Lower Upper

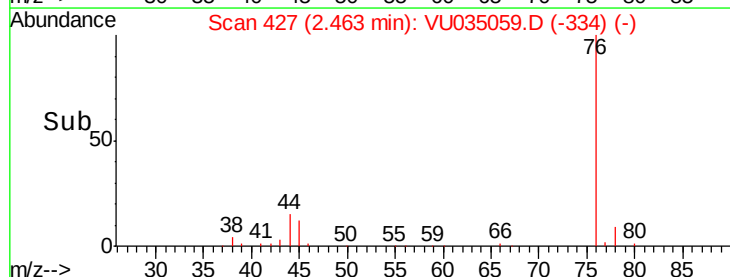
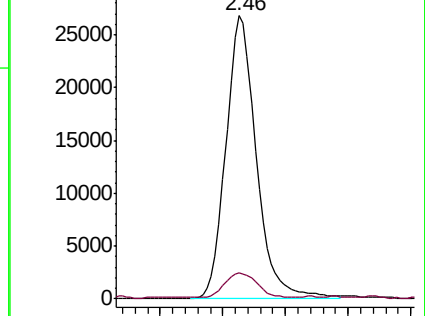
76 100

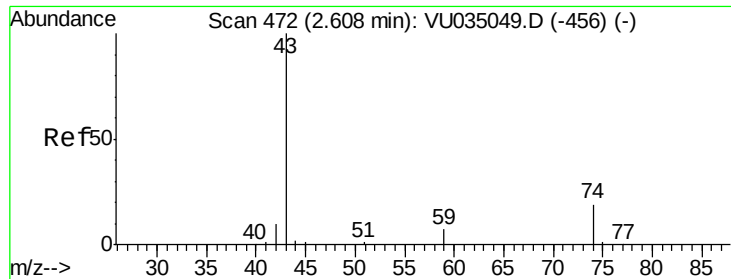
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035049.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035049.D (-414) (-)

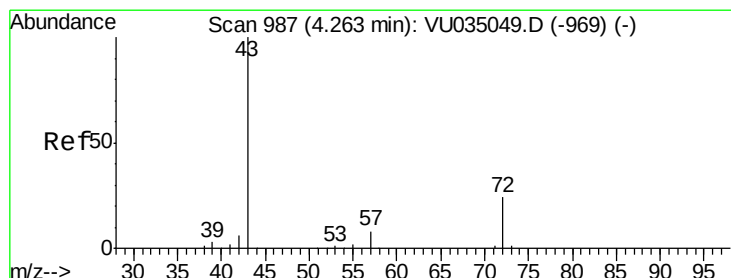
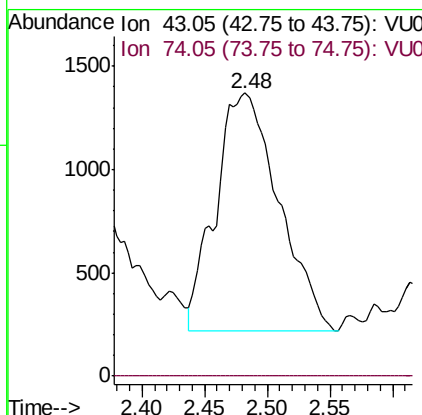
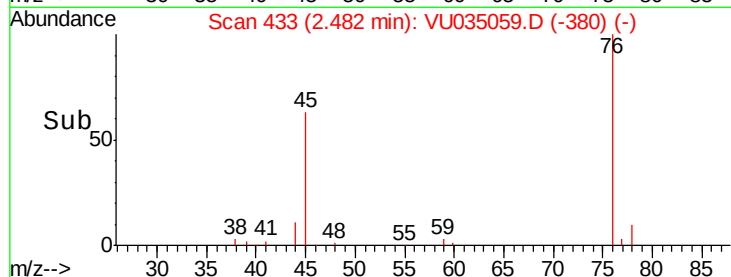
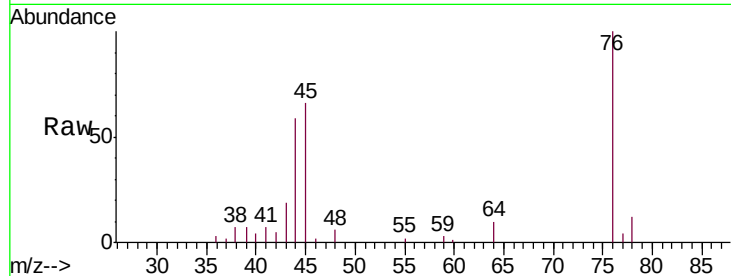




#15
Methyl Acetate
Concen: 0.657 ug/L
RT: 2.48 min Scan# 433
Delta R.T. -0.13 min
Lab File: VU035059.D
Acq: 10 Oct 2019 19:48

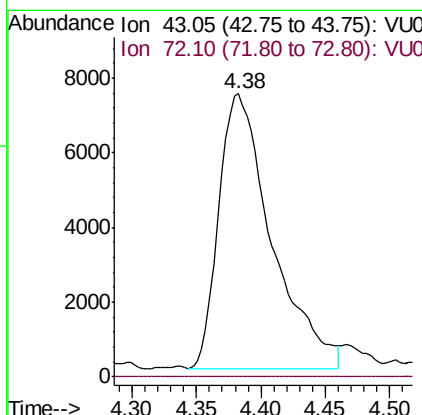
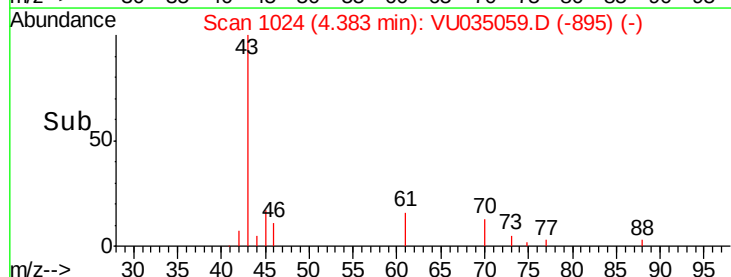
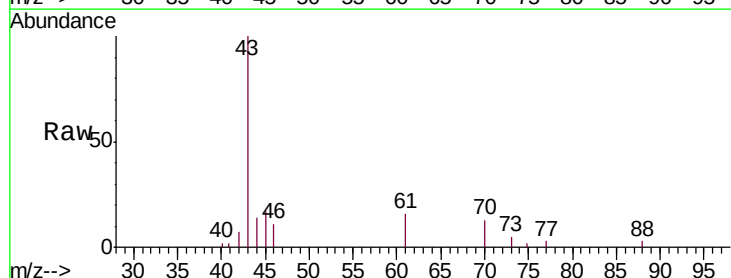
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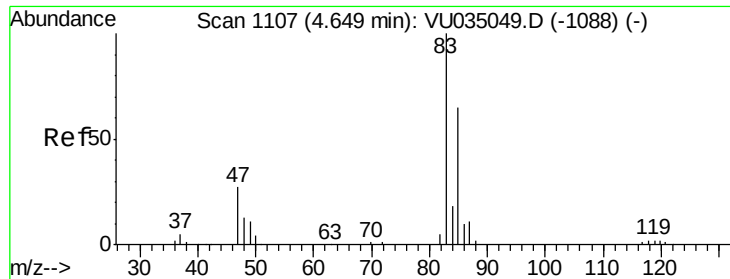
Tgt Ion: 43 Resp: 4034
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#21
2-Butanone
Concen: 6.370 ug/L
RT: 4.38 min Scan# 1024
Delta R.T. 0.12 min
Lab File: VU035059.D
Acq: 10 Oct 2019 19:48

Tgt Ion: 43 Resp: 20909
Ion Ratio Lower Upper
43 100
72 0.0 13.5 40.4#

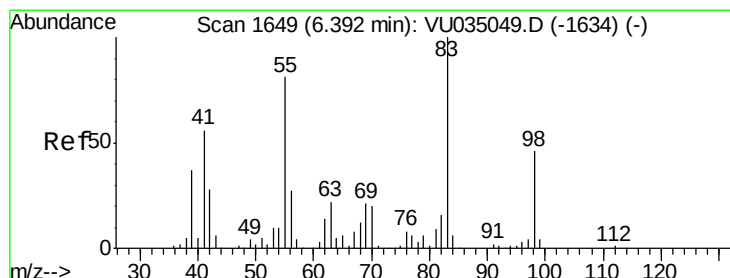
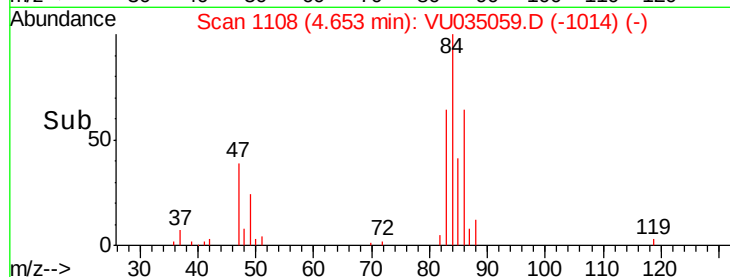
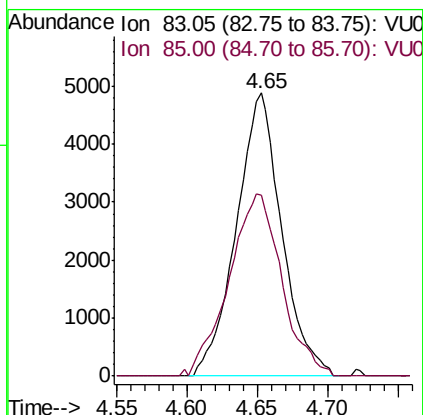
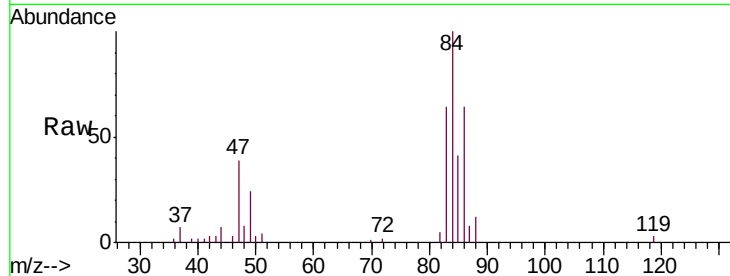




#25
Chloroform
Concen: 0.443 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035059.D
Acq: 10 Oct 2019 19:48

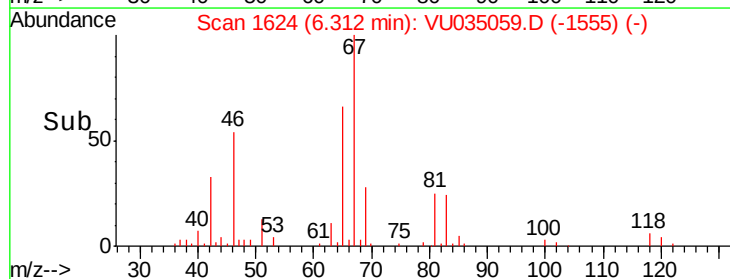
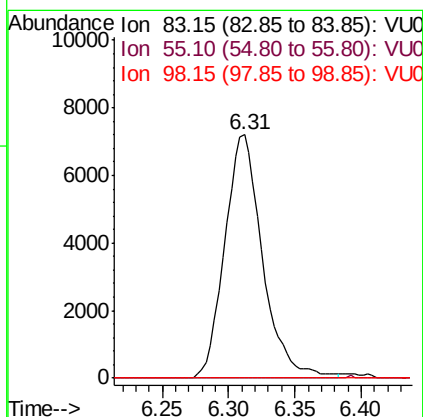
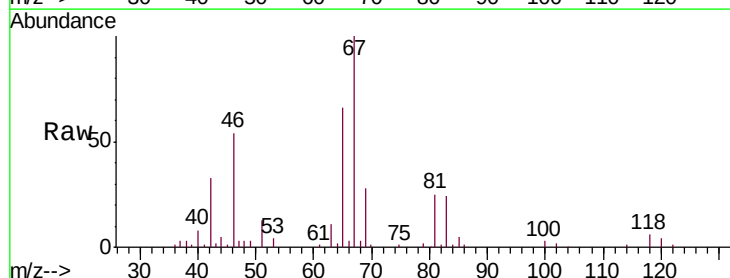
Instrument :
MSVOA_U
ClientSampleId :
RB-1-191004-01

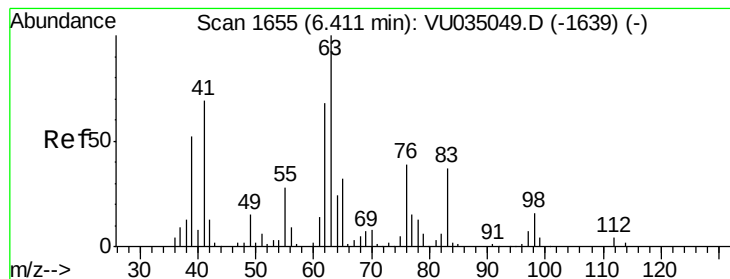
Tgt Ion: 83 Resp: 10996
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#35
Methylcyclohexane
Concen: 0.677 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035059.D
Acq: 10 Oct 2019 19:48

Tgt Ion: 83 Resp: 14281
Ion Ratio Lower Upper
83 100
55 0.1 62.6 94.0#
98 0.0 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.519 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035059.D

Acq: 10 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

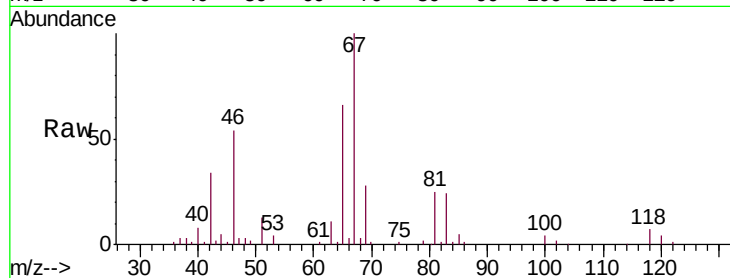
RB-1-191004-01

Tgt Ion: 63 Resp: 7069

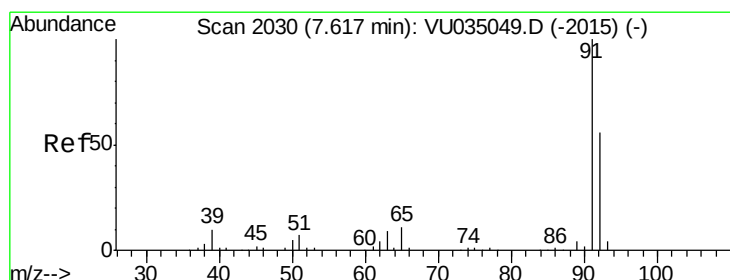
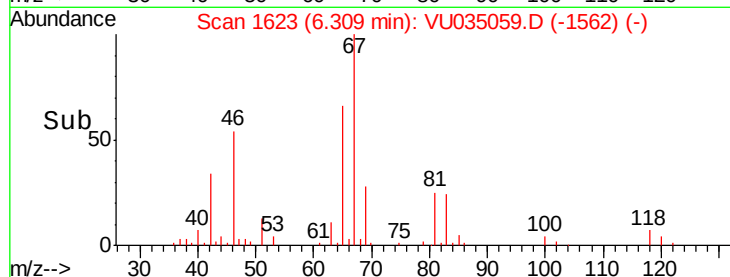
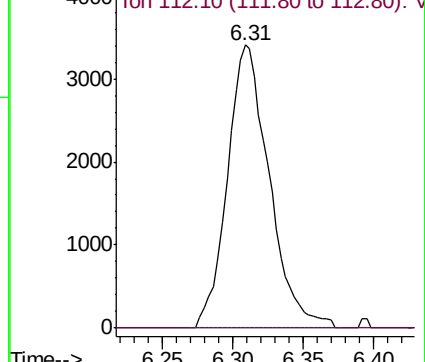
Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035049.D (-1639) (-)



#42

Toluene

Concen: 0.416 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035059.D

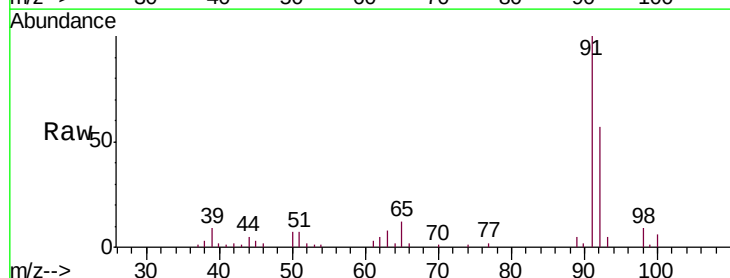
Acq: 10 Oct 2019 19:48

Tgt Ion: 91 Resp: 21917

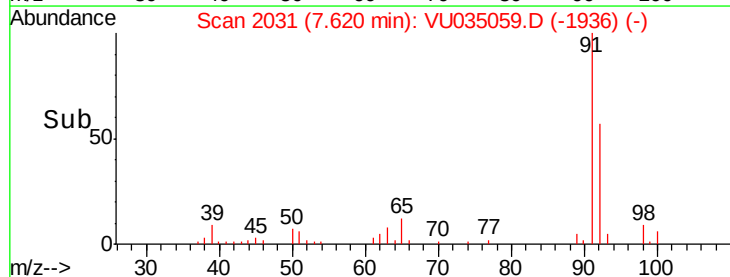
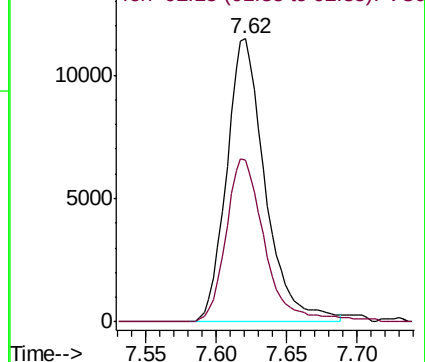
Ion Ratio Lower Upper

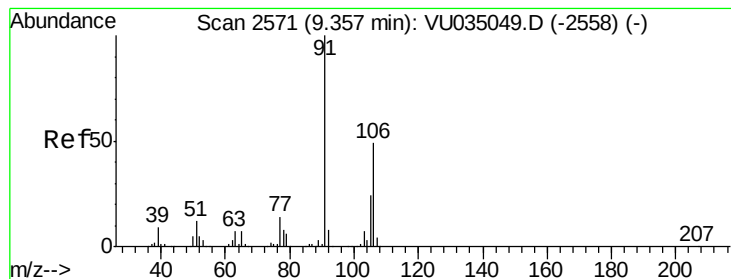
91 100

92 57.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035049.D (-2015) (-)





#53

m,p-Xylene

Concen: 0.164 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035059.D

Acq: 10 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

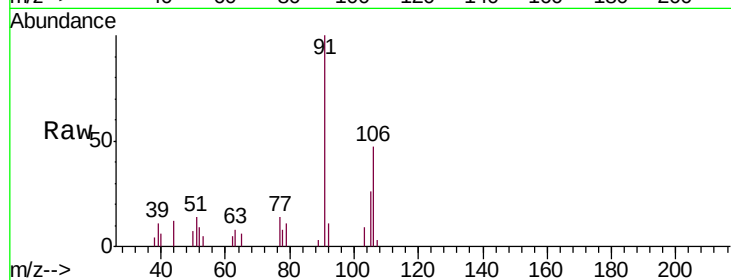
RB-1-191004-01

Tgt Ion:106 Resp: 3523

Ion Ratio Lower Upper

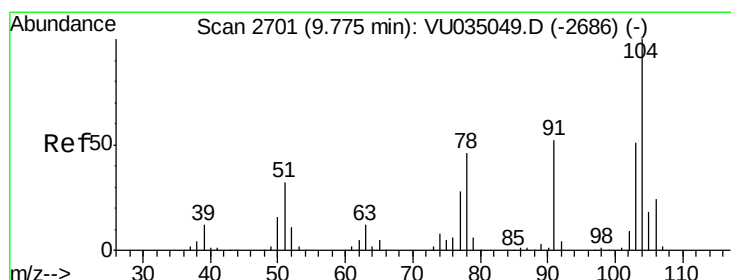
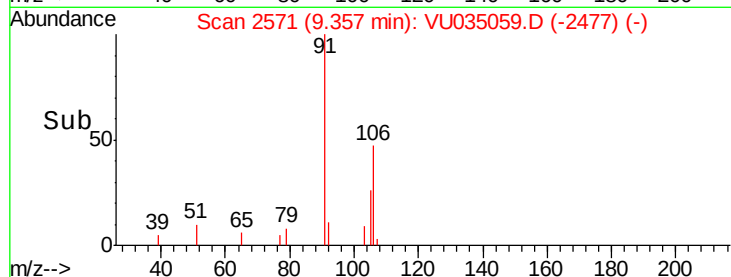
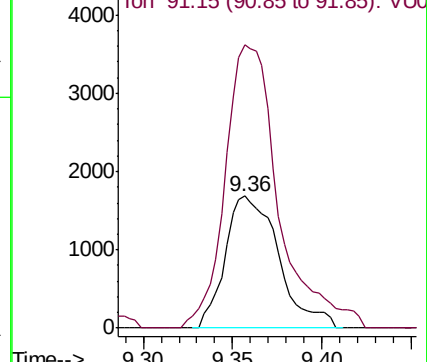
106 100

91 214.4 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.126 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU035059.D

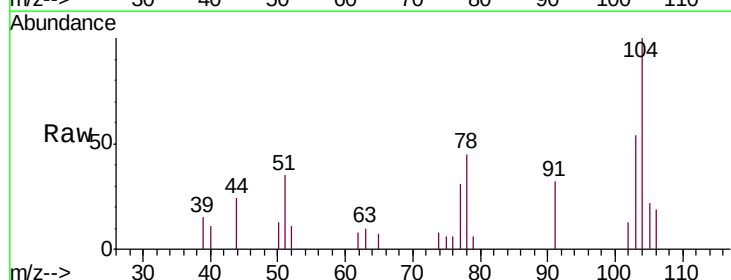
Acq: 10 Oct 2019 19:48

Tgt Ion:104 Resp: 4299

Ion Ratio Lower Upper

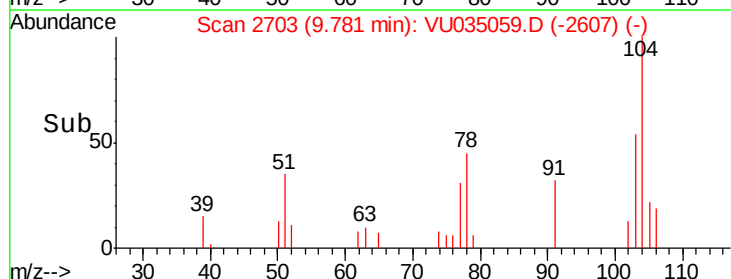
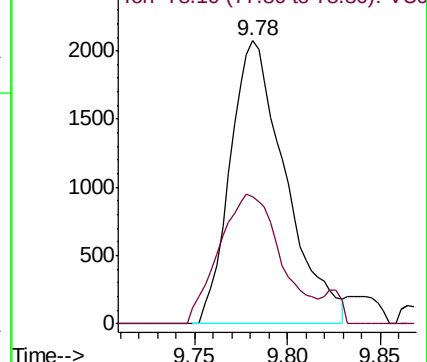
104 100

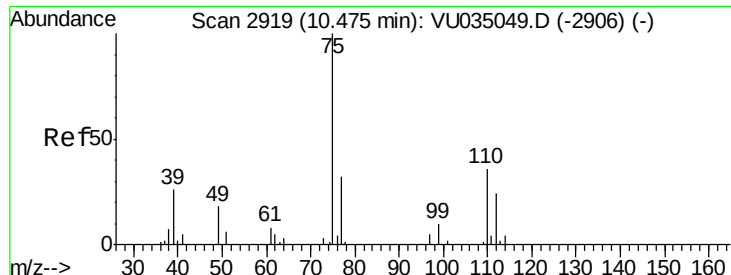
78 44.8 32.8 60.8



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: 1.003 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035059.D

Acq: 10 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

RB-1-191004-01

Tgt Ion: 75 Resp: 8846

Ion Ratio Lower Upper

75 100

77 35.4 26.5 39.7

