

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100719\
 Data File : VU034976.D
 Acq On : 07 Oct 2019 21:52
 Operator : JC/SP
 Sample : K5219-05MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-12D-001-01MS

Quant Time: Oct 09 05:45:56 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	185243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	188573	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	75805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48602	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.67	69	48533	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.26	63	103353	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	4.17	46	147668	45.79	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.58%
24) Chloroform-d	4.62	84	90441	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.29	65	58306	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.31	84	212095	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.31	67	71252	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.54	98	191952	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.83	79	21438	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.30	63	108053	42.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58012	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	68504	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

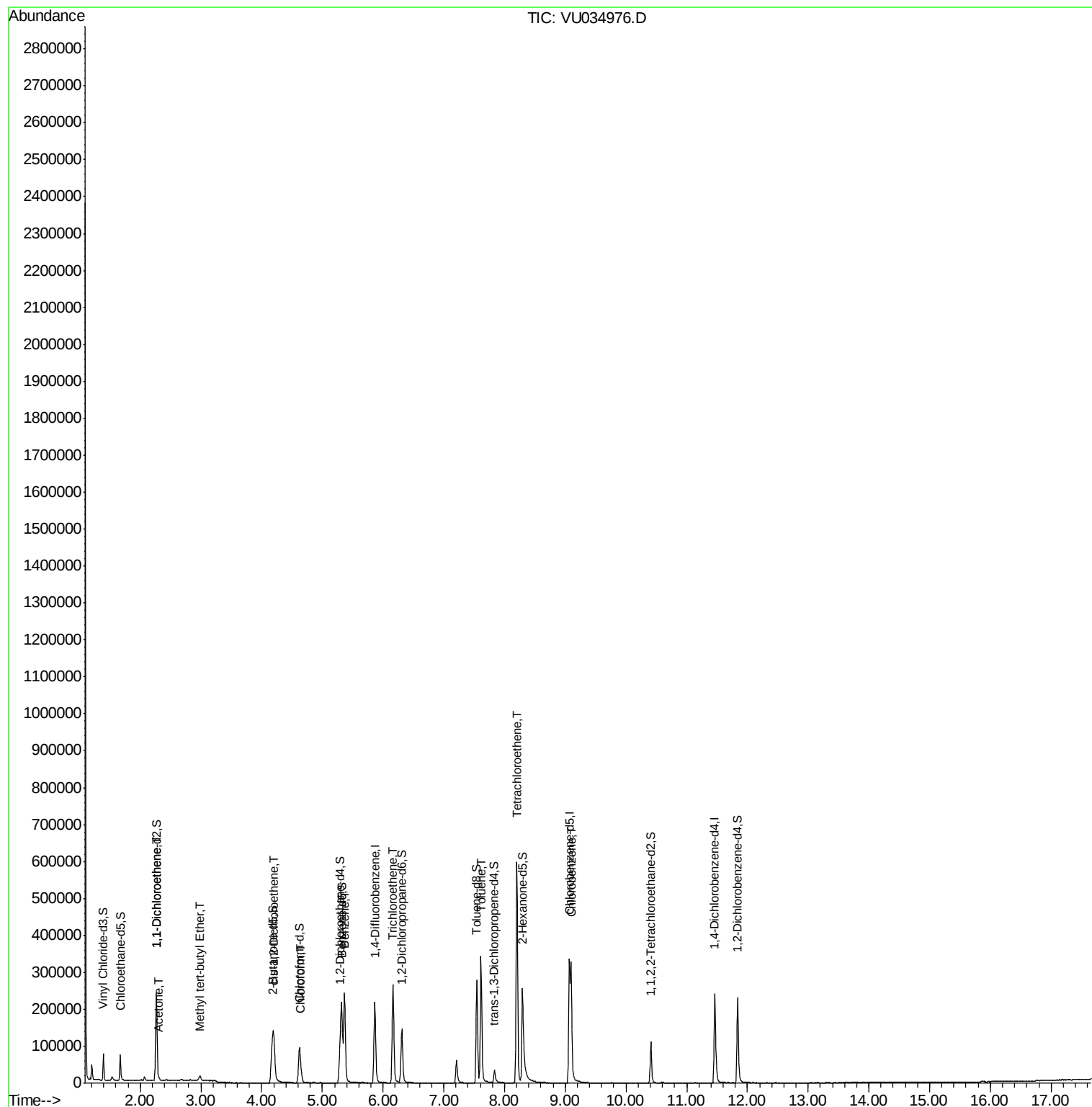
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	47253	3.971	ug/L	98
13) Acetone	2.31	43	5606	2.123	ug/L	98
17) Methyl tert-butyl Ether	2.98	73	10794	0.333	ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	60890	4.284	ug/L	97
25) Chloroform	4.65	83	19709	0.693	ug/L	92
33) Benzene	5.36	78	235564	4.147	ug/L	100
34) Trichloroethene	6.16	95	96338	6.576	ug/L	94
42) Toluene	7.61	91	254298	4.289	ug/L	99
47) Tetrachloroethene	8.21	164	130432	11.000	ug/L	99
51) Chlorobenzene	9.10	112	172489	4.489	ug/L	99

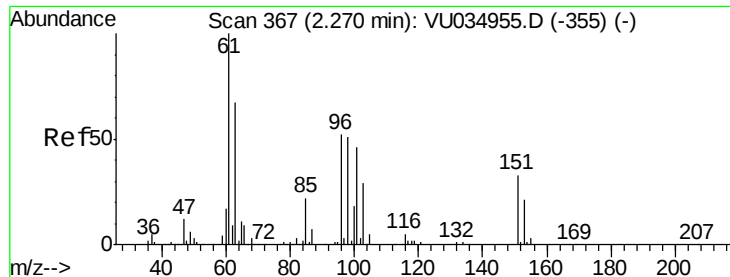
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.971 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MS

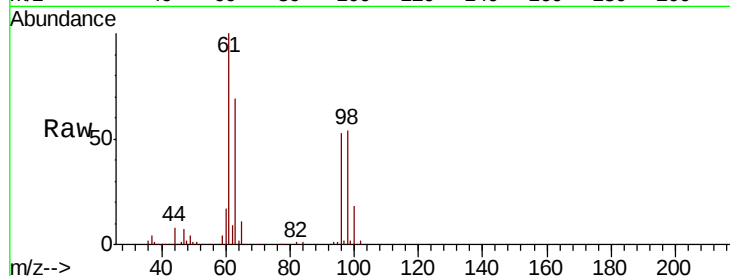
Tot Ion: 96 Resp: 47253

Ion Ratio Lower Upper

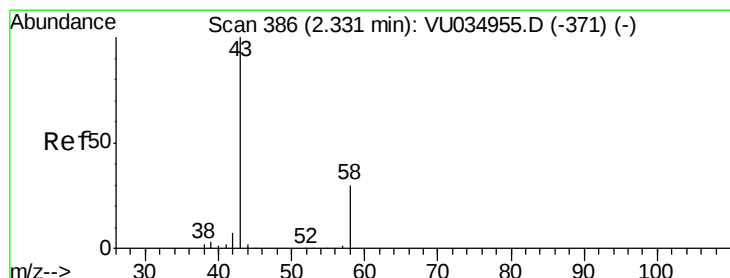
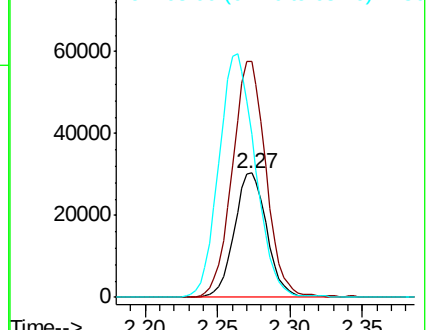
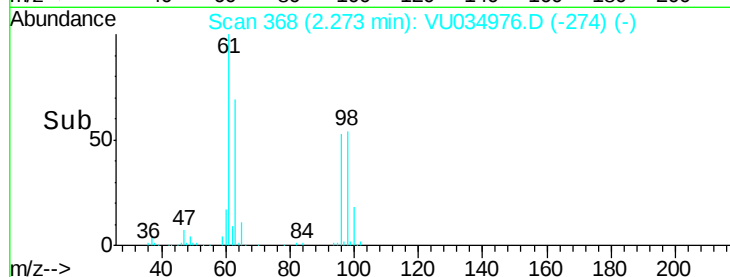
96 100

61 190.0 132.6 246.2

63 130.8 94.3 175.1



Abundance Ion 96.00 (95.70 to 96.70): VU034976.D (-274) (-)



#13

Acetone

Concen: 2.123 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034976.D

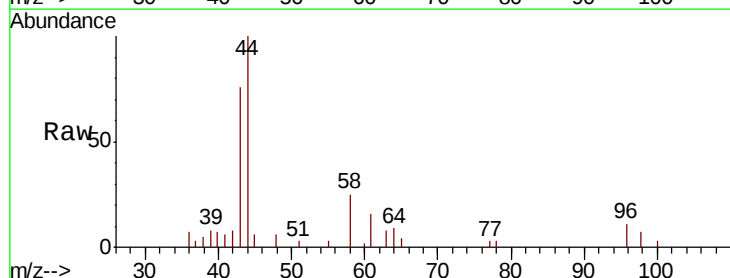
Acq: 07 Oct 2019 21:52

Tgt Ion: 43 Resp: 5606

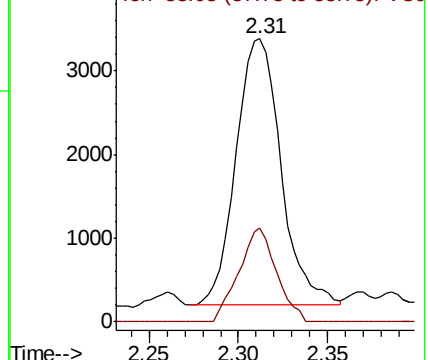
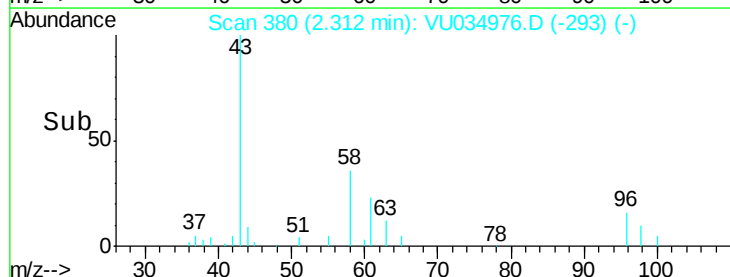
Ion Ratio Lower Upper

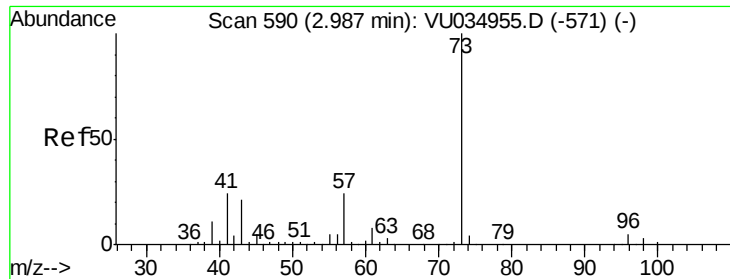
43 100

58 29.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034976.D (-293) (-)

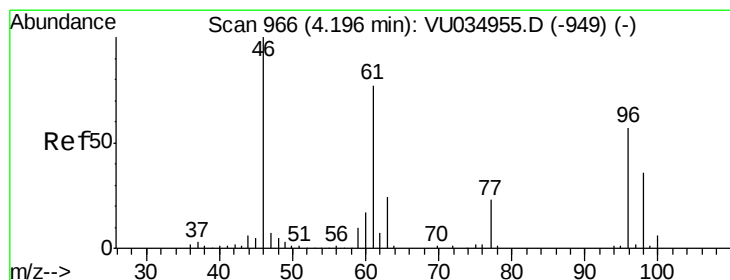
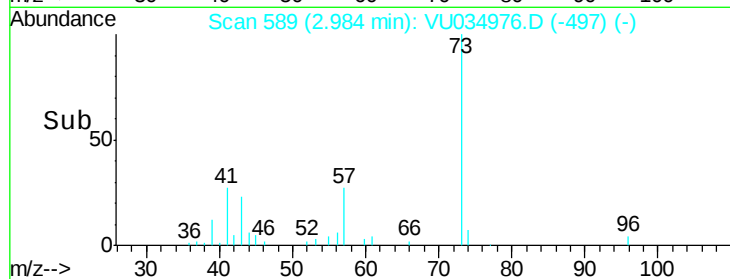
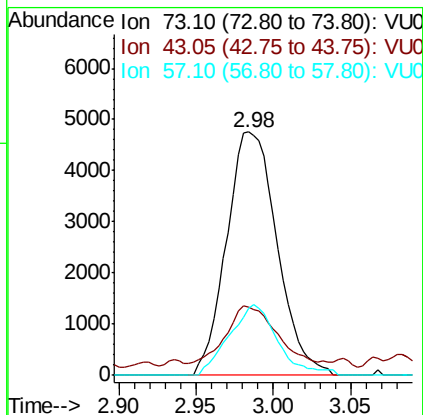
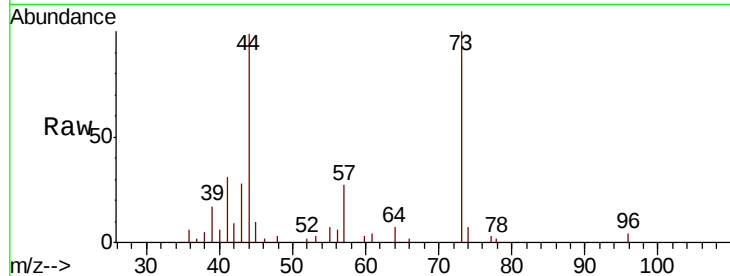




#17
Methvl tert-butvl Ether
Concen: 0.333 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034976.D
Acq: 07 Oct 2019 21:52

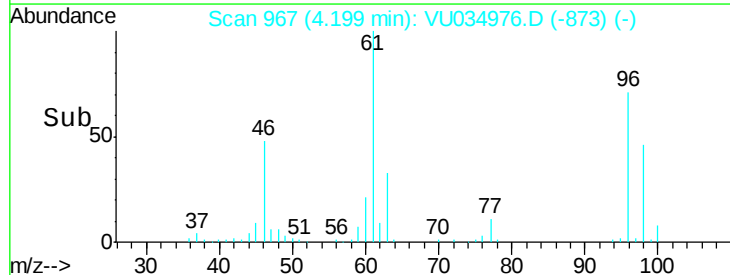
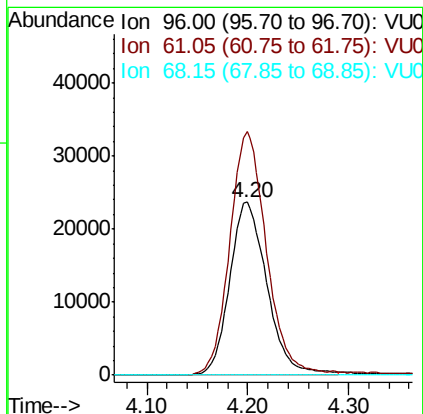
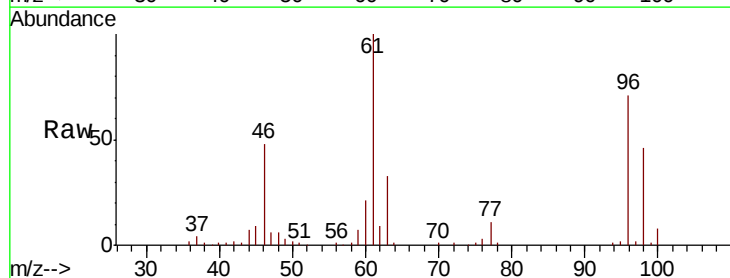
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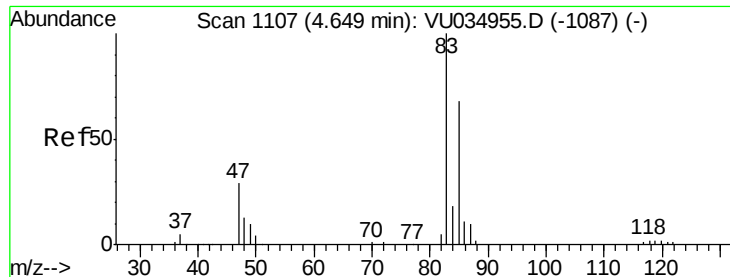
Tot Ion: 73 Resp: 10794
Ion Ratio Lower Upper
73 100
43 24.3 17.4 26.0
57 28.0 19.2 28.8



#22
cis-1,2-Dichloroethene
Concen: 4.284 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034976.D
Acq: 07 Oct 2019 21:52

Tgt Ion: 96 Resp: 60890
Ion Ratio Lower Upper
96 100
61 140.7 96.4 179.0
68 0.0 0.0 0.0

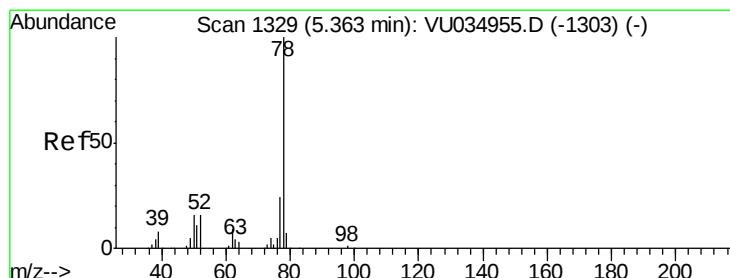
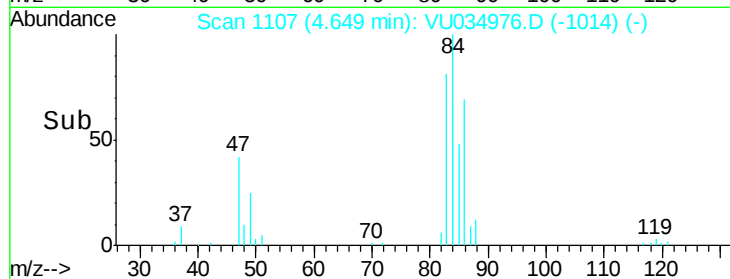
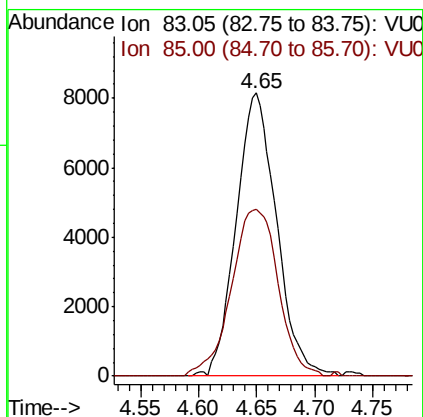
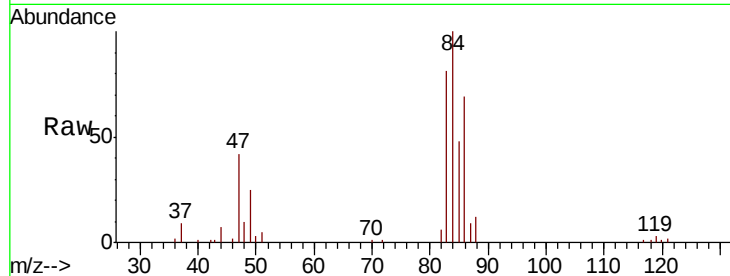




#25
Chloroform
Concen: 0.693 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034976.D
Acq: 07 Oct 2019 21:52

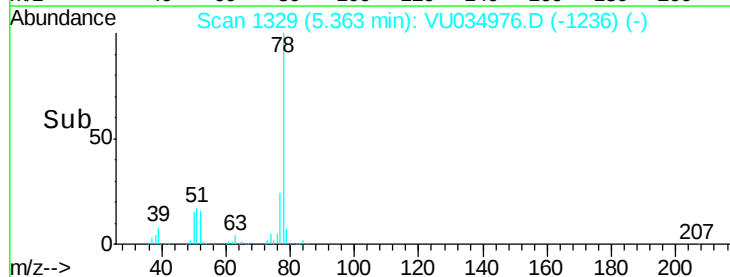
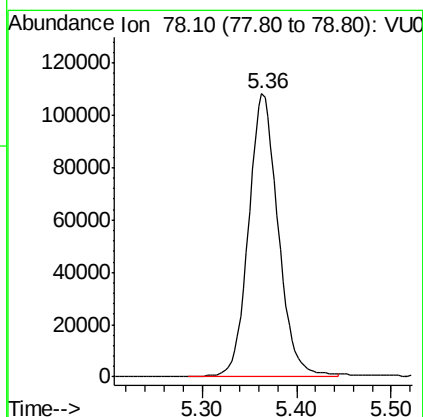
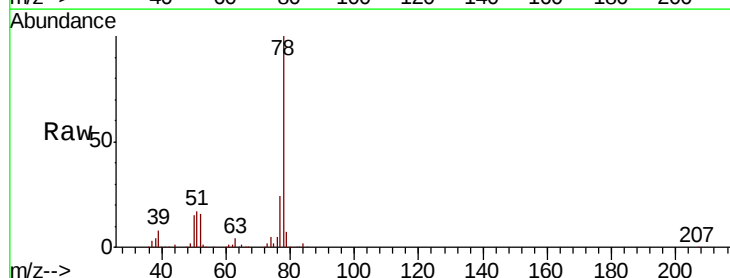
Instrument :
MSVOA_U
ClientSampleId :
MW-12D-001-01MS

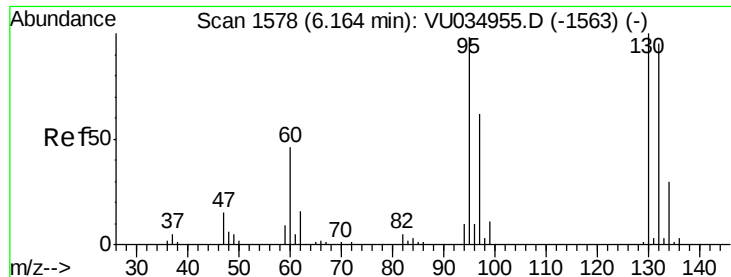
Tot Ion: 83 Resp: 19709
Ion Ratio Lower Upper
83 100
85 58.8 45.4 84.4



#33
Benzene
Concen: 4.147 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU034976.D
Acq: 07 Oct 2019 21:52

Tgt Ion: 78 Resp: 235564

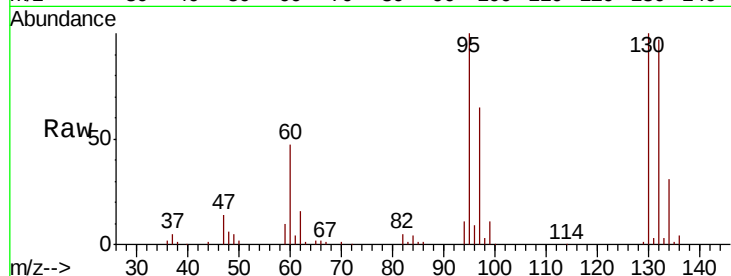




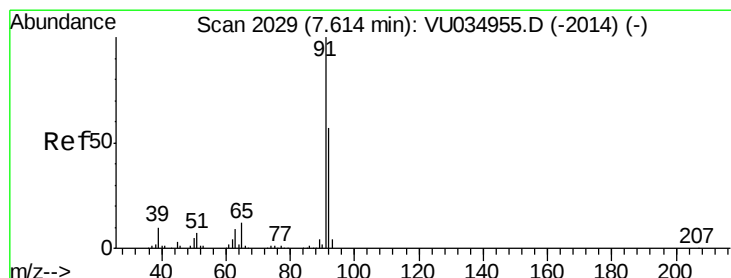
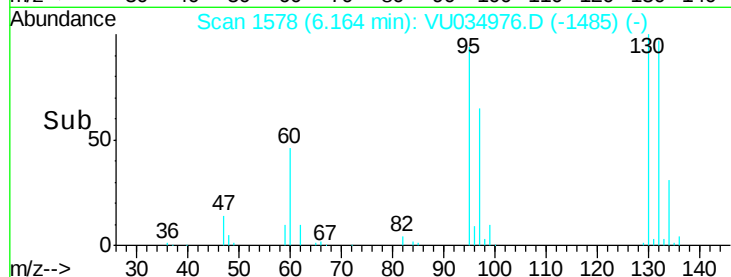
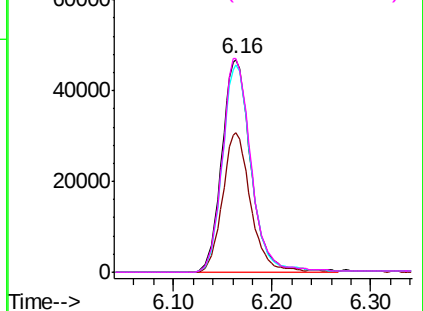
#34
 Trichloroethene
 Concen: 6.576 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

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 MW-12D-001-01MS

Tot Ion: 95 Resp: 96338
 Ion Ratio Lower Upper
 95 100
 97 65.7 42.5 78.9
 132 97.6 65.8 122.2
 130 100.5 65.0 120.8

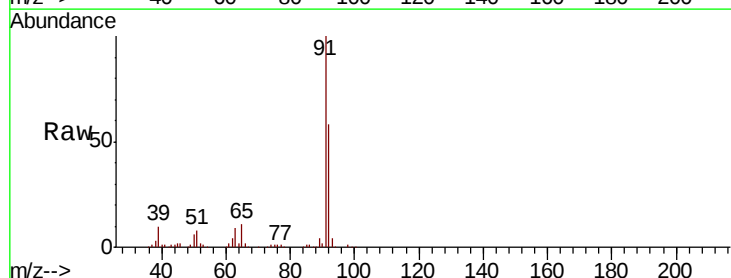


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

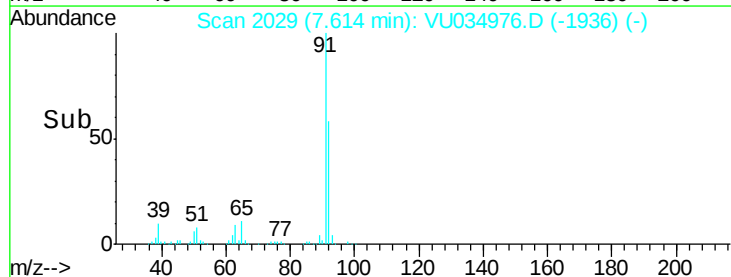
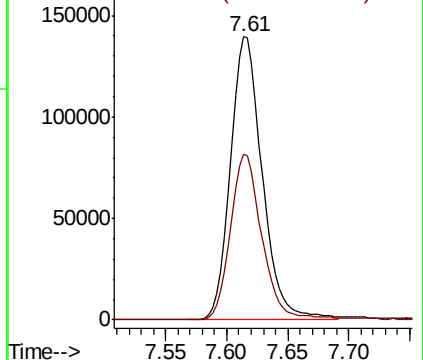


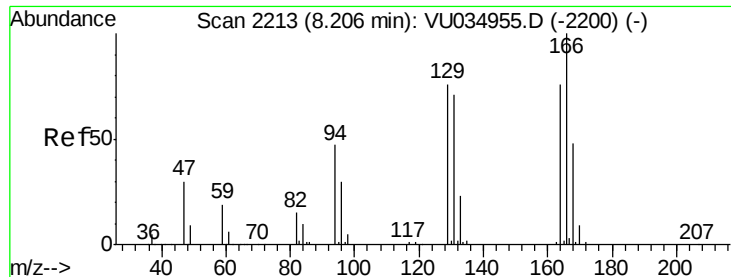
#42
 Toluene
 Concen: 4.289 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

Tgt Ion: 91 Resp: 254298
 Ion Ratio Lower Upper
 91 100
 92 58.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 11.000 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
MW-12D-001-01MS

Tot Ion:164 Resp: 130432

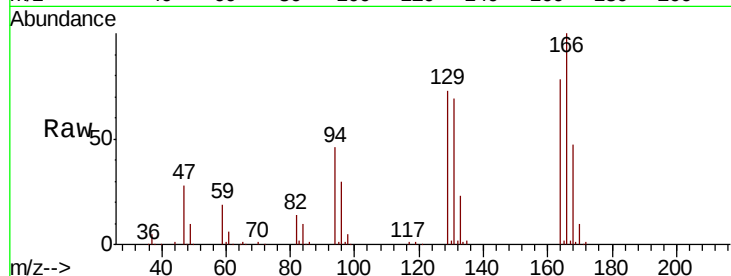
Ion Ratio Lower Upper

164 100

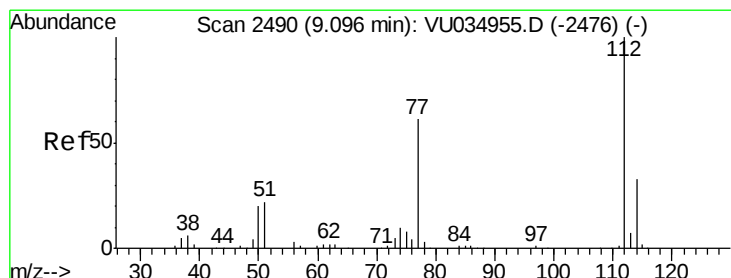
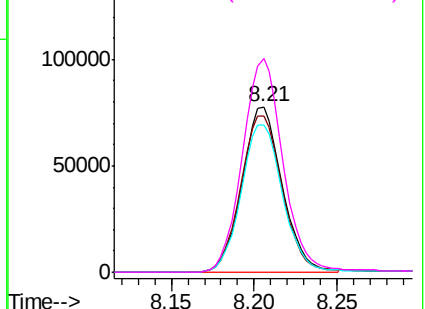
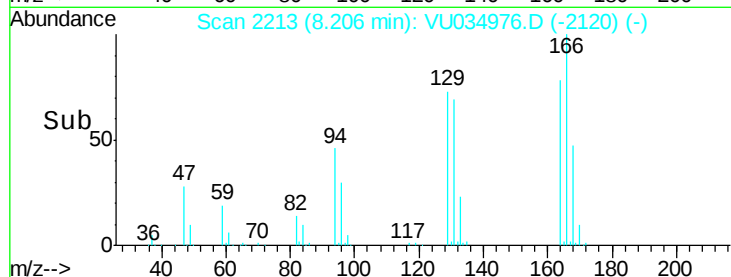
129 94.1 66.5 123.5

131 89.3 63.3 117.7

166 129.0 91.6 170.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#51

Chlorobenzene

Concen: 4.489 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

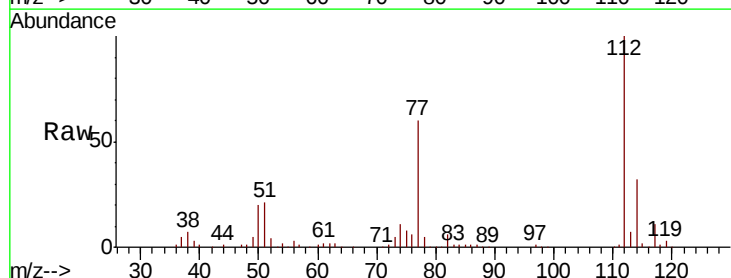
Tgt Ion:112 Resp: 172489

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 60.1 47.4 71.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

