

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100719\
 Data File : VU034977.D
 Acq On : 07 Oct 2019 22:16
 Operator : JC/SP
 Sample : K5219-06MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Oct 09 05:50:10 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	183708	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	184429	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	73491	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49843	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.67	69	46550	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.26	63	100319	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.17	46	153407	47.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.62	84	93726	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.29	65	60106	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.32	84	210115	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.31	67	72372	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.54	98	190810	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.83	79	21770	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.30	63	119874	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59833	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	67943	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

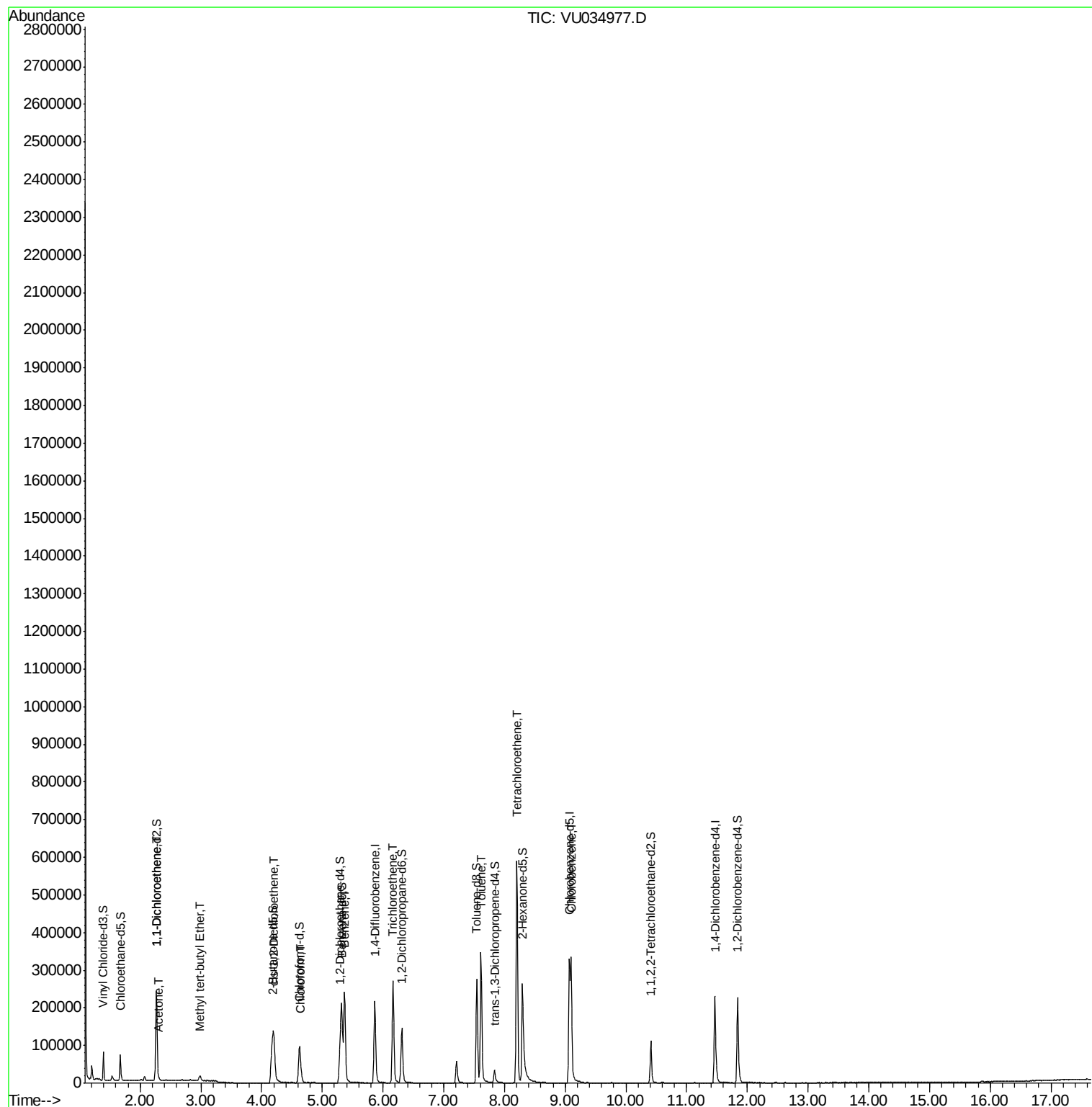
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	47481	4.024	ug/L	97
13) Acetone	2.31	43	4687	1.790	ug/L	91
17) Methyl tert-butyl Ether	2.98	73	10898	0.339	ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	60900	4.321	ug/L	97
25) Chloroform	4.65	83	16023	0.568	ug/L	97
33) Benzene	5.37	78	238904	4.300	ug/L	100
34) Trichloroethene	6.16	95	95678	6.678	ug/L	95
42) Toluene	7.61	91	261624	4.512	ug/L	99
47) Tetrachloroethene	8.21	164	131155	11.309	ug/L	98
51) Chlorobenzene	9.10	112	176687	4.702	ug/L	99

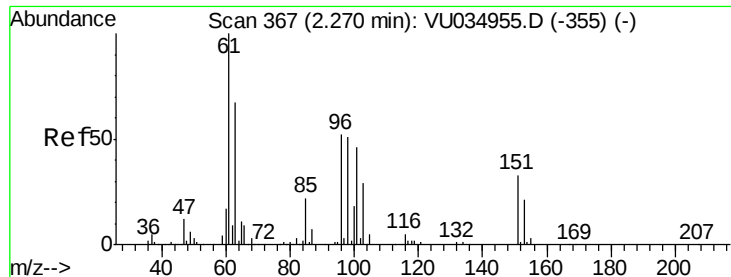
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 03:56:49 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.024 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MSD

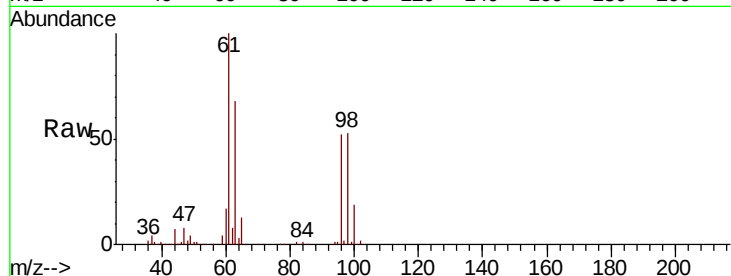
Tot Ion: 96 Resp: 47481

Ion Ratio Lower Upper

96 100

61 193.4 132.6 246.2

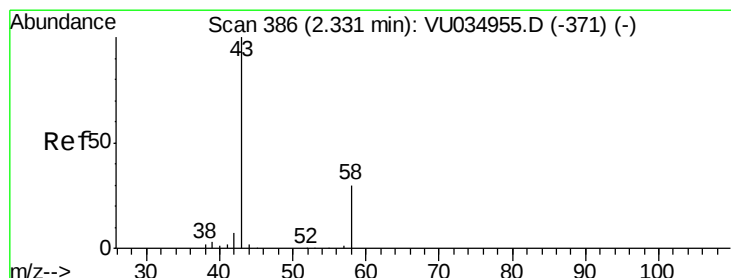
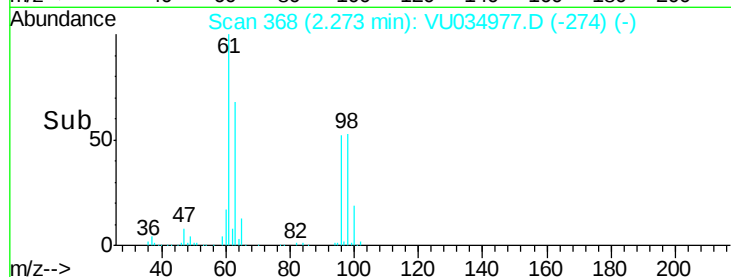
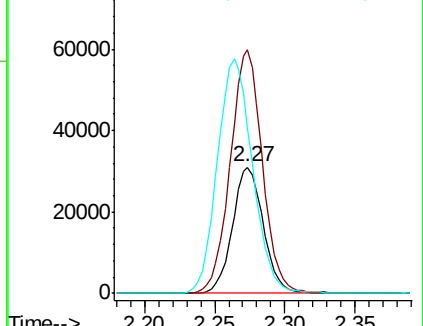
63 132.0 94.3 175.1



Abundance Ion 96.00 (95.70 to 96.70): VU034977.D (-274) (-)

Ion 61.05 (60.75 to 61.75): VU034977.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU034977.D (-274) (-)



#13

Acetone

Concen: 1.790 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034977.D

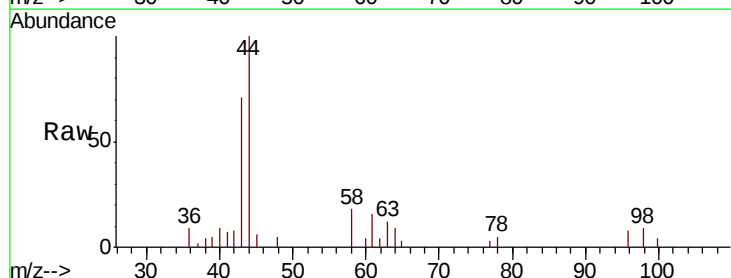
Acq: 07 Oct 2019 22:16

Tgt Ion: 43 Resp: 4687

Ion Ratio Lower Upper

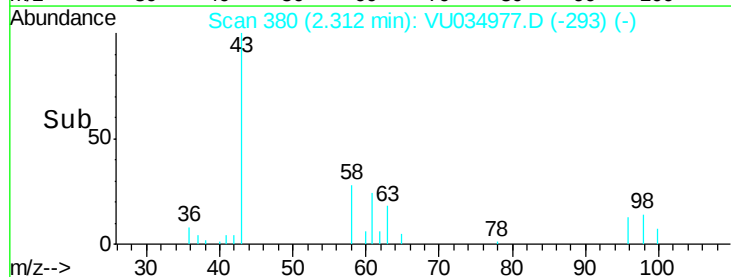
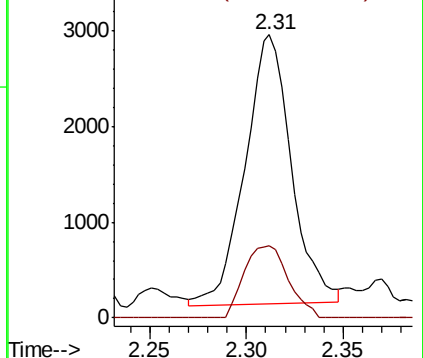
43 100

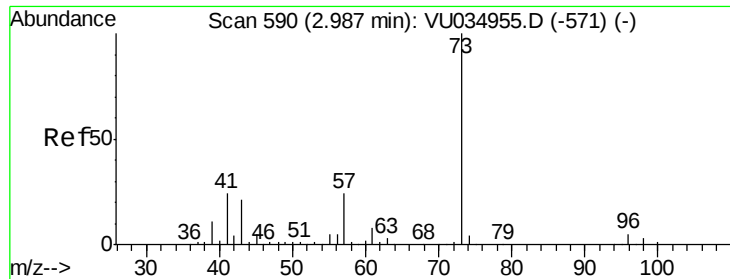
58 25.6 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034977.D (-293) (-)

Ion 58.05 (57.75 to 58.75): VU034977.D (-293) (-)

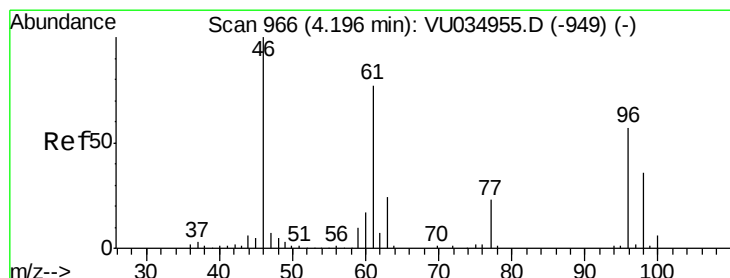
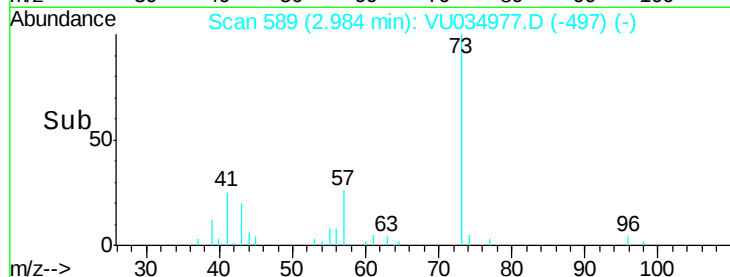
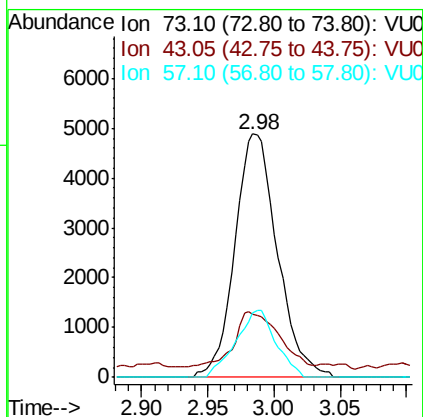
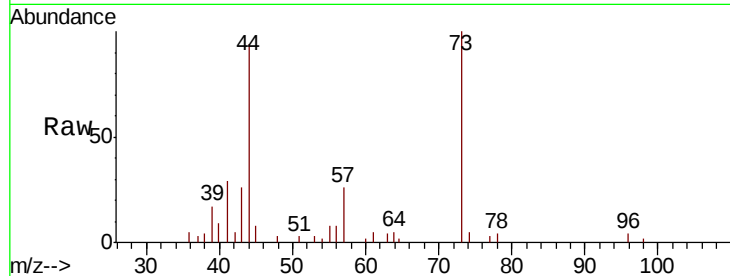




#17
Methvl tert-butvl Ether
Concen: 0.339 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

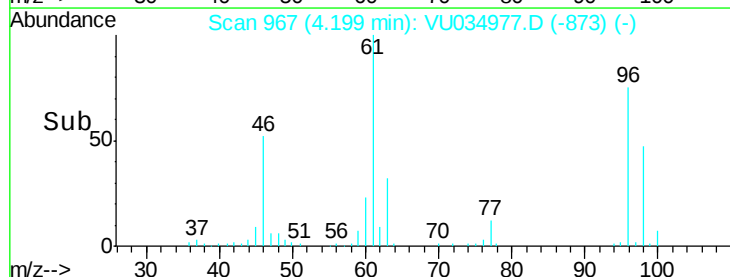
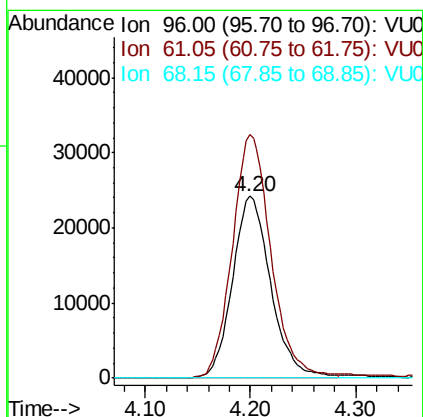
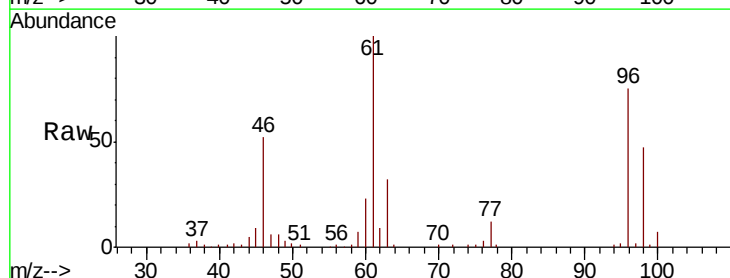
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ClientSampleId :
MW-12D-001-01MSD

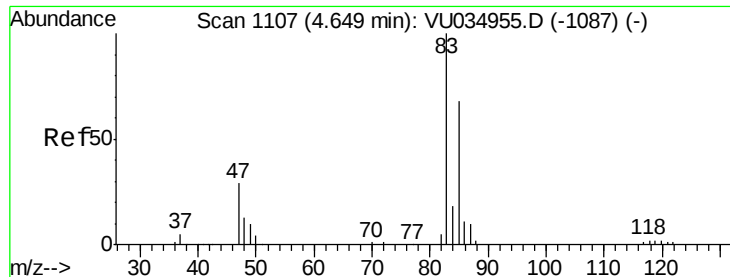
Tot Ion: 73 Resp: 10898
Ion Ratio Lower Upper
73 100
43 23.6 17.4 26.0
57 25.8 19.2 28.8



#22
cis-1,2-Dichloroethene
Concen: 4.321 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

Tgt Ion: 96 Resp: 60900
Ion Ratio Lower Upper
96 100
61 133.7 96.4 179.0
68 0.0 0.0 0.0

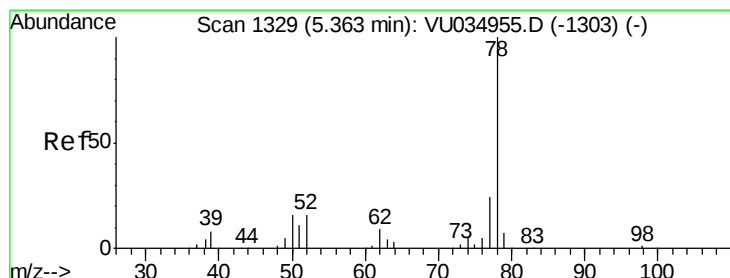
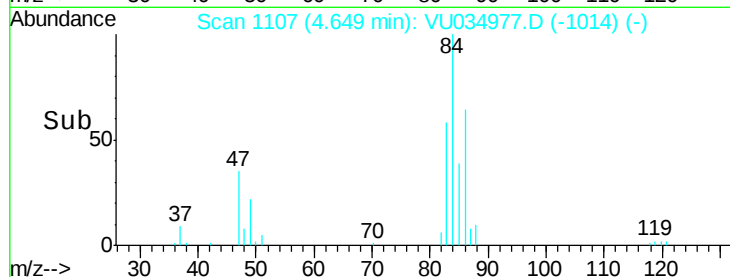
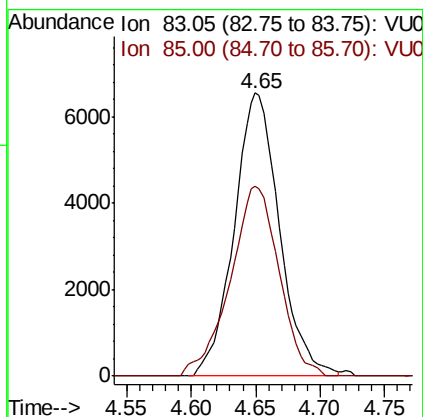
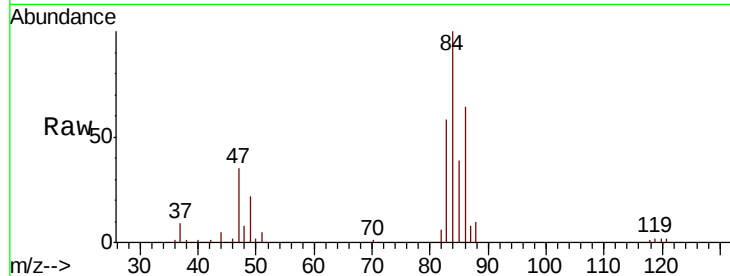




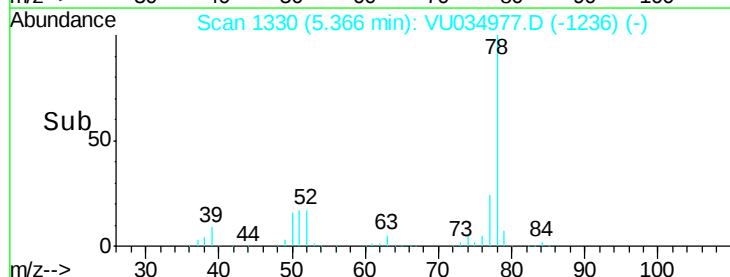
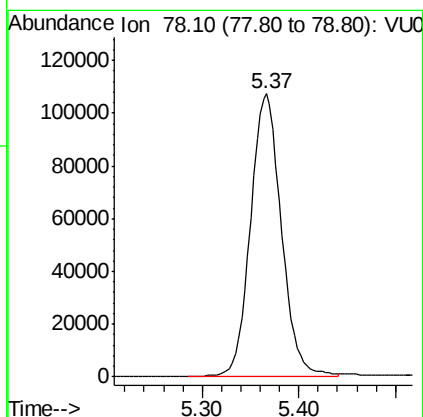
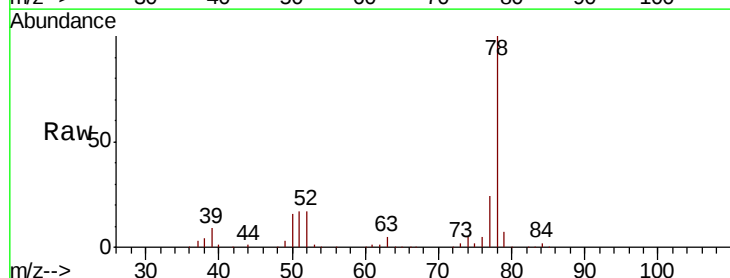
#25
Chloroform
Concen: 0.568 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

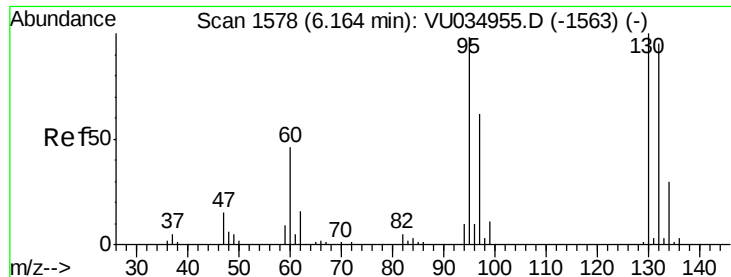
Instrument :
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MW-12D-001-01MSD

Tot Ion: 83 Resp: 16023
Ion Ratio Lower Upper
83 100
85 67.1 45.4 84.4



#33
Benzene
Concen: 4.300 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16
Tgt Ion: 78 Resp: 238904

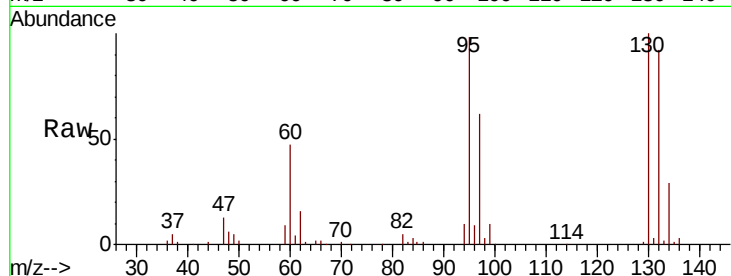




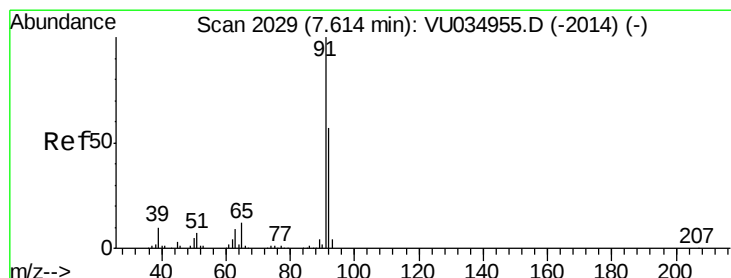
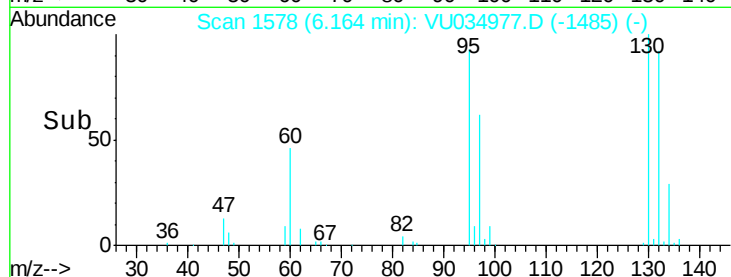
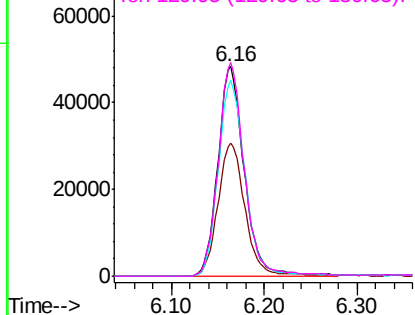
#34
 Trichloroethene
 Concen: 6.678 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034977.D
 Acq: 07 Oct 2019 22:16

Instrument :
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 ClientSampleId :
 MW-12D-001-01MSD

Tot Ion: 95 Resp: 95678
 Ion Ratio Lower Upper
 95 100
 97 63.6 42.5 78.9
 132 93.3 65.8 122.2
 130 101.8 65.0 120.8

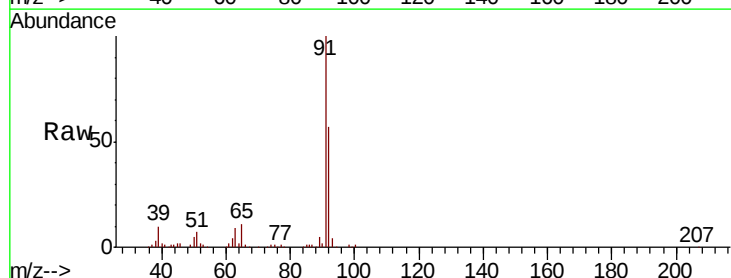


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

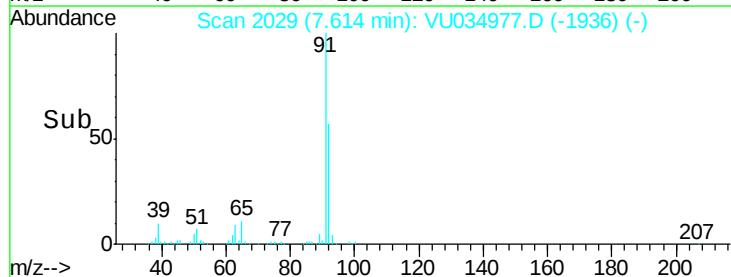
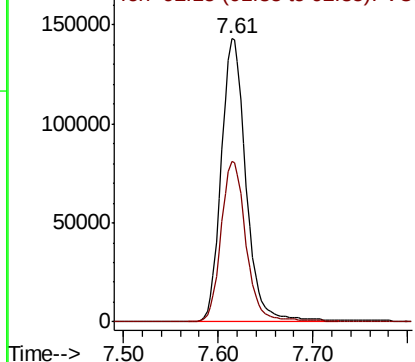


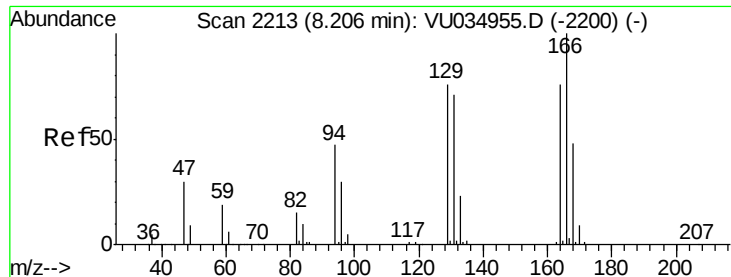
#42
 Toluene
 Concen: 4.512 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VU034977.D
 Acq: 07 Oct 2019 22:16

Tgt Ion: 91 Resp: 261624
 Ion Ratio Lower Upper
 91 100
 92 56.7 40.2 74.6



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

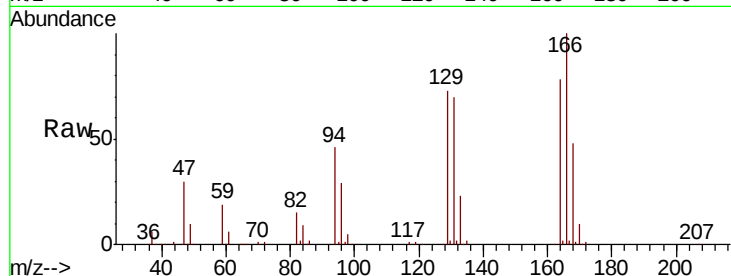




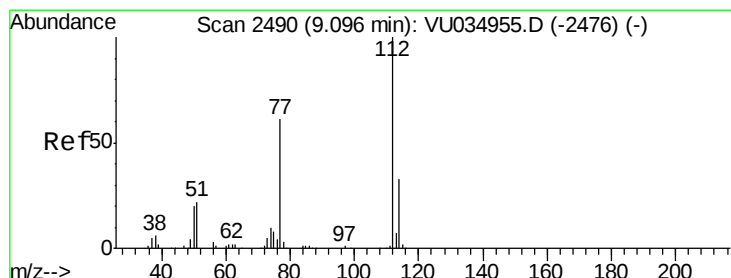
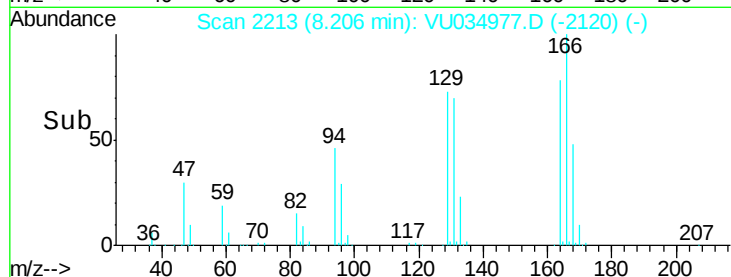
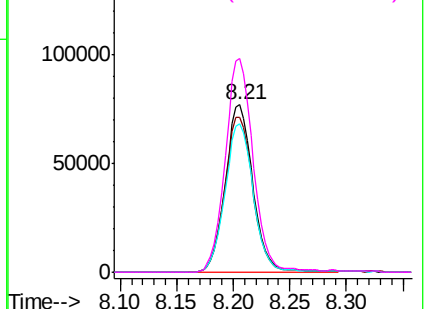
#47
Tetrachloroethene
Concen: 11.309 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

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ClientSampleId :
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Tot Ion	164	Resp	131155
Ion	Ratio	Lower	Upper
164	100		
129	92.6	66.5	123.5
131	88.8	63.3	117.7
166	127.5	91.6	170.2

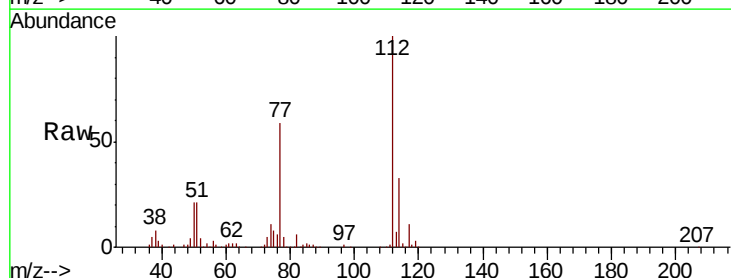


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#51
Chlorobenzene
Concen: 4.702 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

Tgt Ion	112	Resp	176687
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	59.1	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

