

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 04:05:07 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

					Qvalue
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
18) trans-1,2-Dichloroethene	2.97	96	1078	0.085	ug/L 90
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
27) 1,2-Dichloroethane	5.37	62	2175	0.132	ug/L # 76
33) Benzene	5.37	78	238904	4.300	ug/L 100
34) Trichloroethene	6.16	95	95678	6.678	ug/L 95
35) Methylcyclohexane	6.31	83	15827	0.682	ug/L # 19
37) 1,2-Dichloropropane	6.31	63	7823	0.522	ug/L # 89
42) Toluene	7.61	91	261624	4.512	ug/L 99
45) 1,1,2-Trichloroethane	8.20	97	1269	0.128	ug/L # 1
47) Tetrachloroethene	8.21	164	131155	11.309	ug/L 98
49) Dibromochloromethane	8.21	129	123582	10.746	ug/L # 13
51) Chlorobenzene	9.10	112	176687	4.702	ug/L 99
59) 1,2,3-Trichloropropane	11.46	75	9324	0.961	ug/L # 86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100719\
Quantitation Report (Not Reviewed)

Data File : VU034977.D
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MW-12D-001-01MSD

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 03:56:49 2019
Response via : Initial Calibration

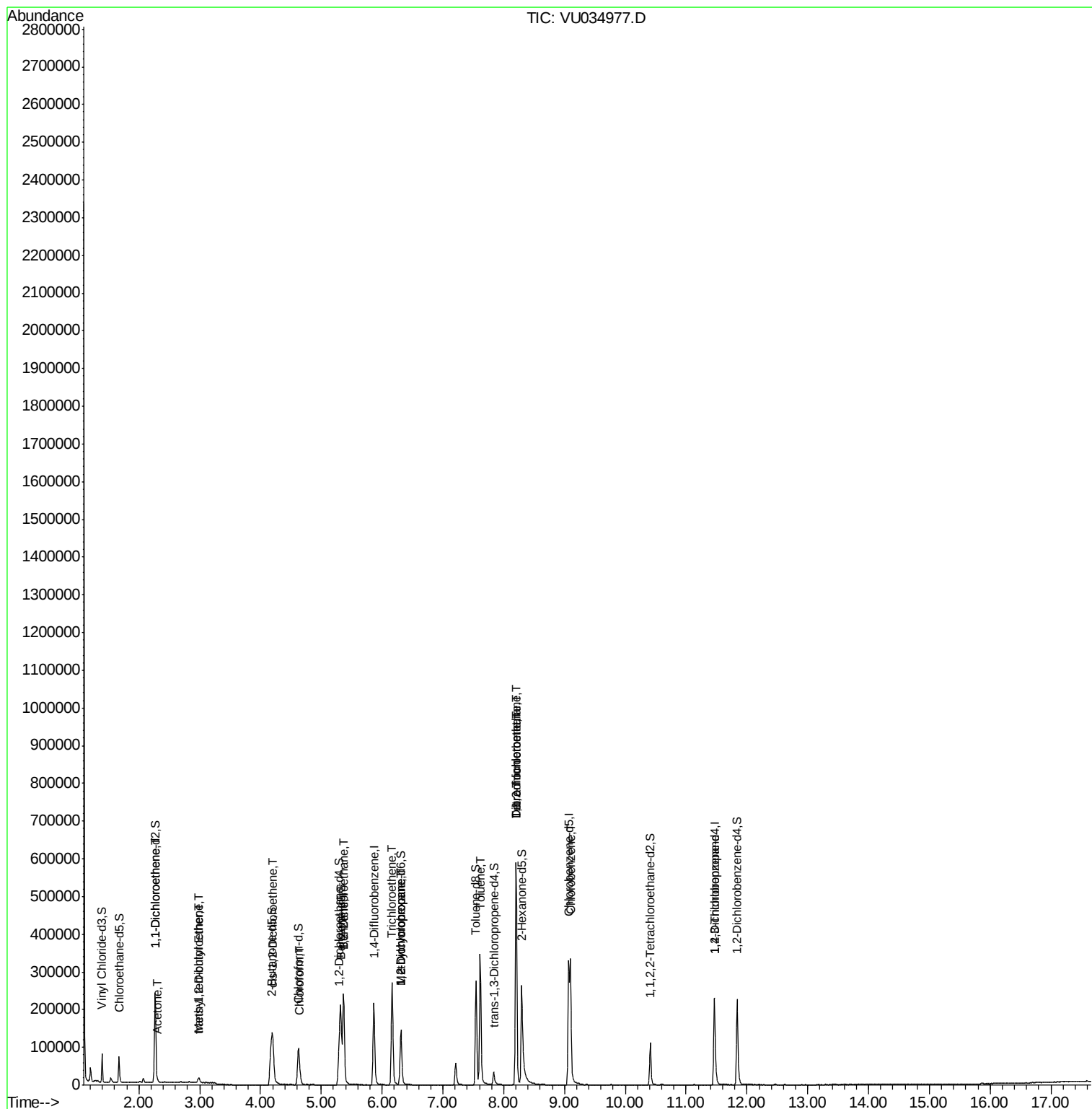
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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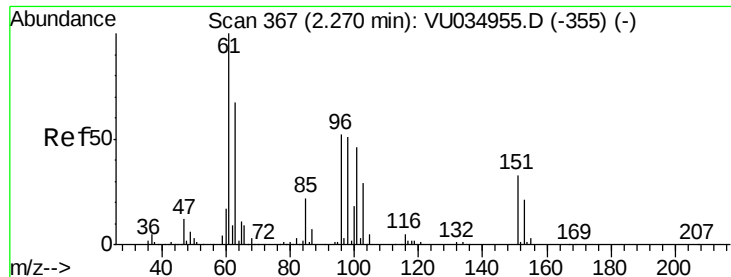
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

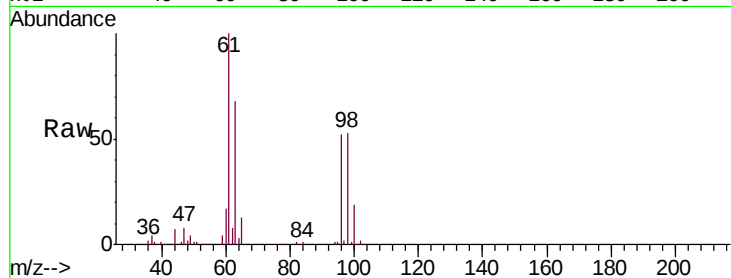
Tgt Ion: 96 Resp: 47481

Ion Ratio Lower Upper

96 100

61 193.4 132.6 246.2

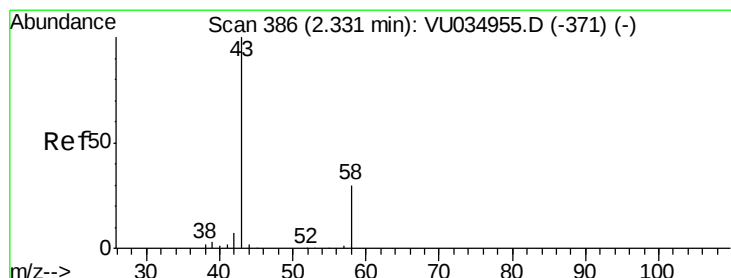
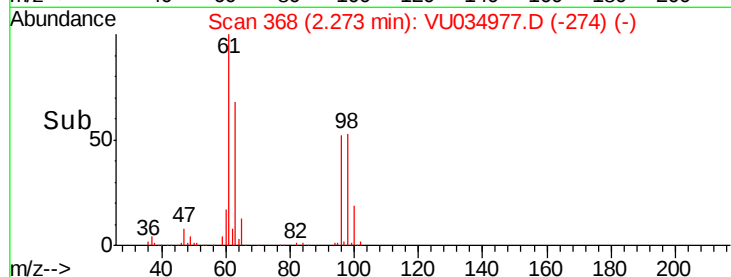
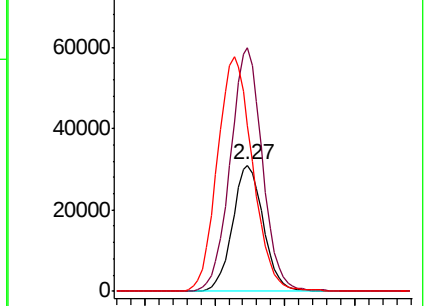
63 132.0 94.3 175.1



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

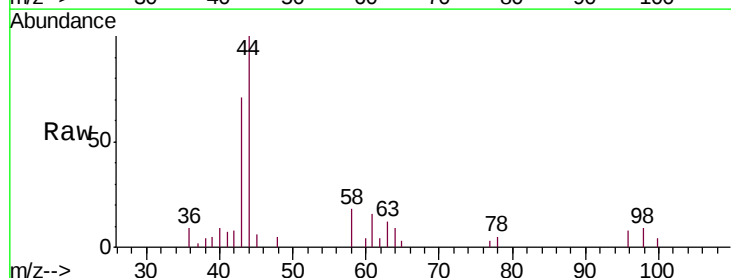
Acq: 07 Oct 2019 22:16

Tgt Ion: 43 Resp: 4687

Ion Ratio Lower Upper

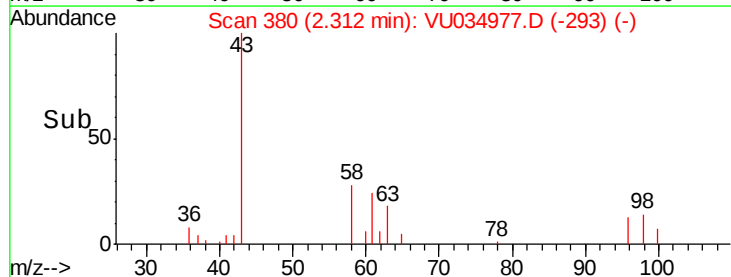
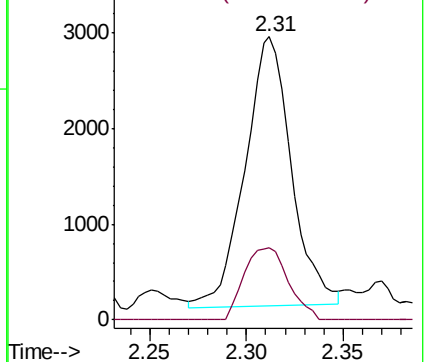
43 100

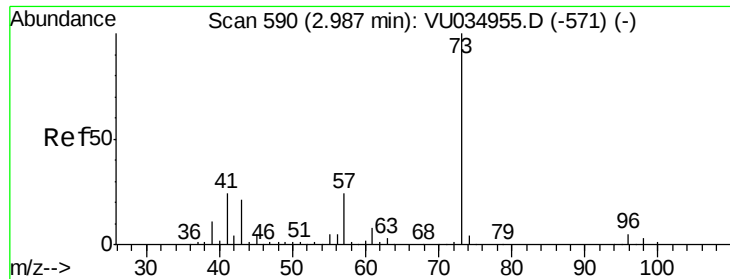
58 25.6 0.0 60.8



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

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

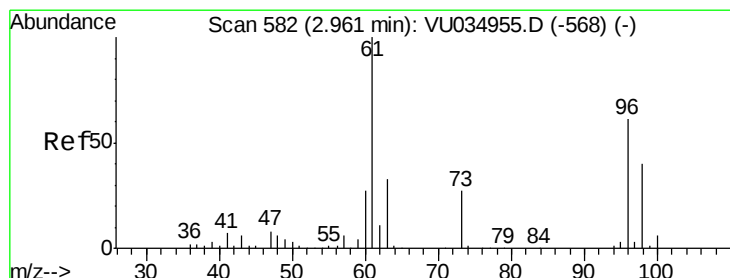
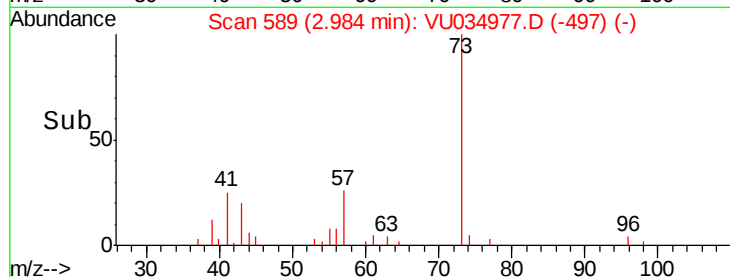
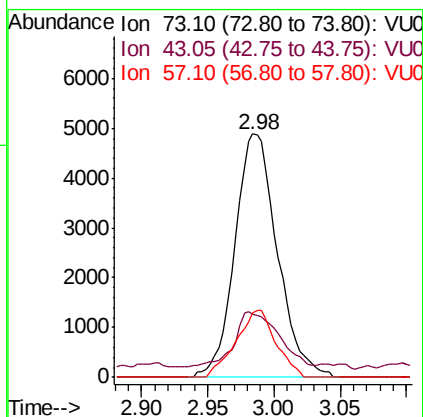
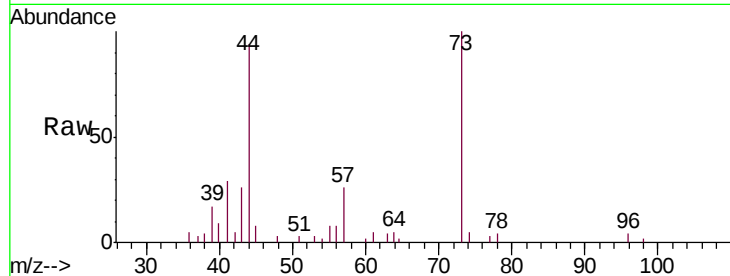




#17
Methyl tert-butyl Ether
Concen: 0.339 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

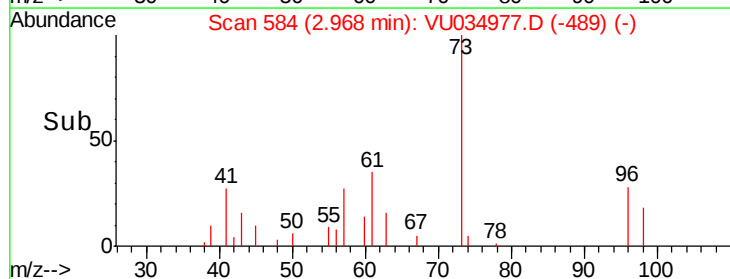
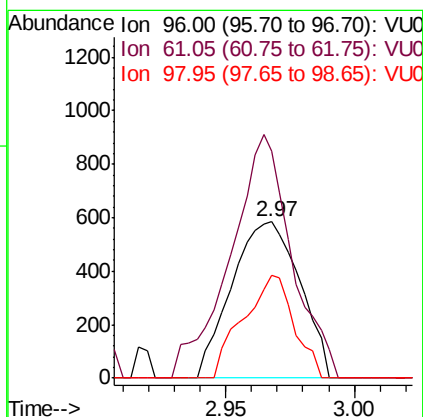
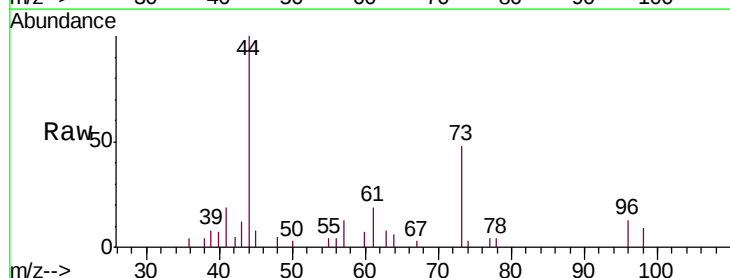
Instrument :
MSVOA_U
ClientSampleId :
MW-12D-001-01MSD

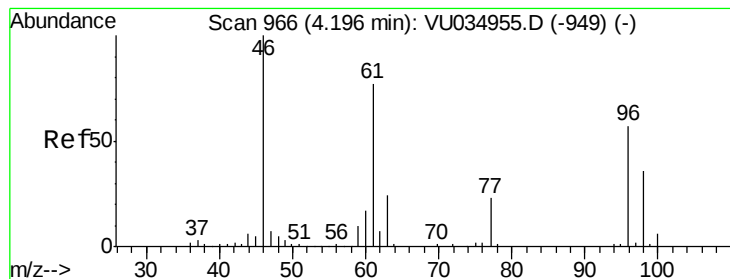
Tgt Ion: 73 Resp: 10898
Ion Ratio Lower Upper
73 100
43 23.6 17.4 26.0
57 25.8 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 0.085 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

Tgt Ion: 96 Resp: 1078
Ion Ratio Lower Upper
96 100
61 144.8 112.3 208.7
98 66.2 43.5 80.9



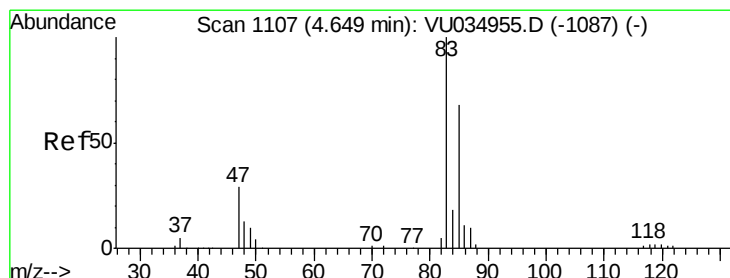
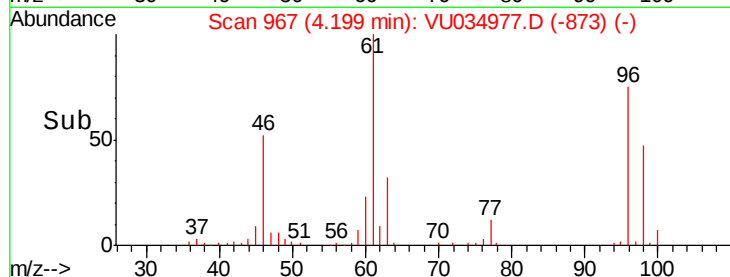
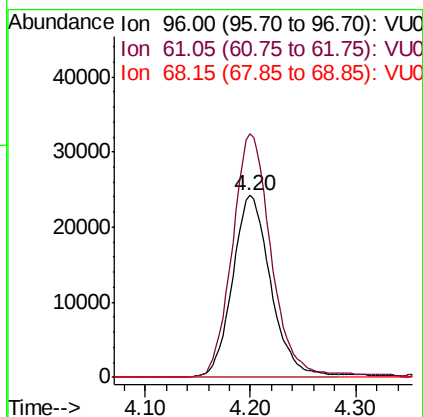
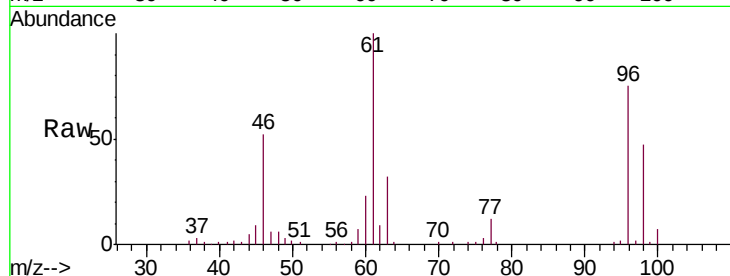


#22

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

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

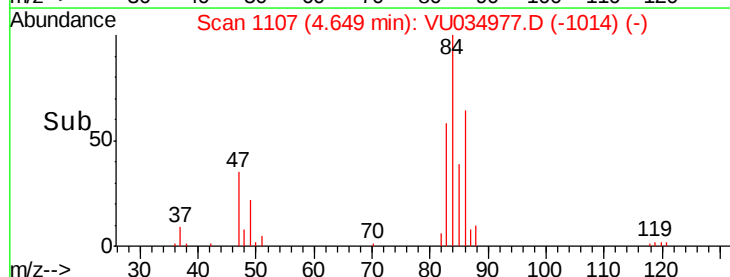
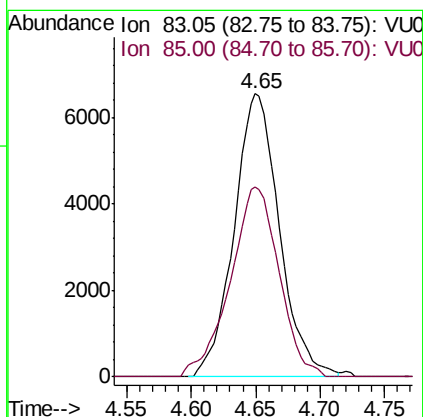
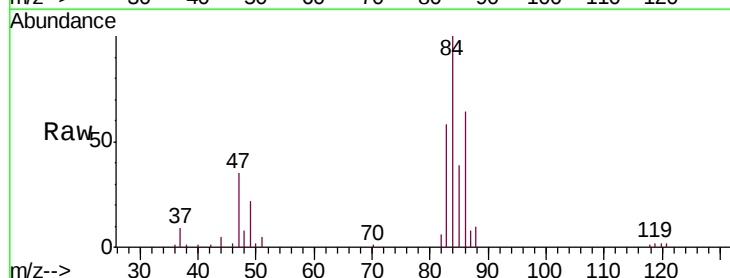
Tgt Ion: 96 Resp: 60900
 Ion Ratio Lower Upper
 96 100
 61 133.7 96.4 179.0
 68 0.0 0.0 0.0

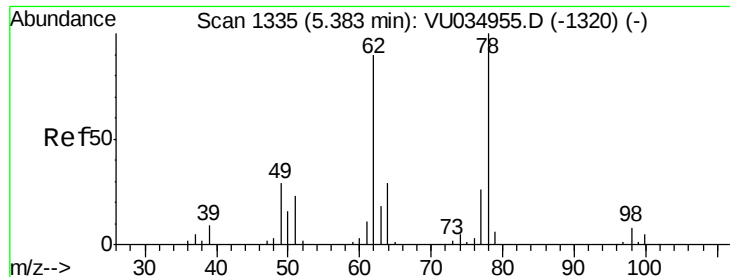


#25

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

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





#27

1,2-Dichloroethane

Concen: 0.132 ug/L

RT: 5.37 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

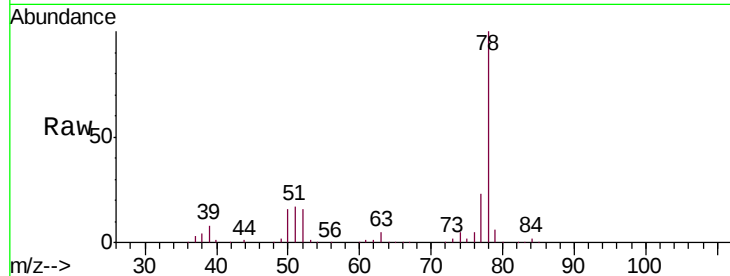
MW-12D-001-01MSD

Tgt Ion: 62 Resp: 2175

Ion Ratio Lower Upper

62 100

98 0.0 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VU034955.D (-1320) (-)

Ion 98.05 (97.75 to 98.75): VU034955.D (-1320) (-)

5.37

1000

800

600

400

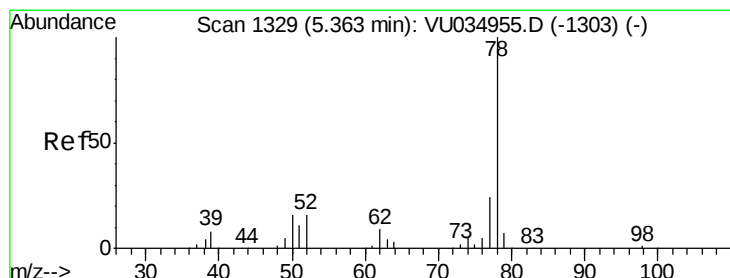
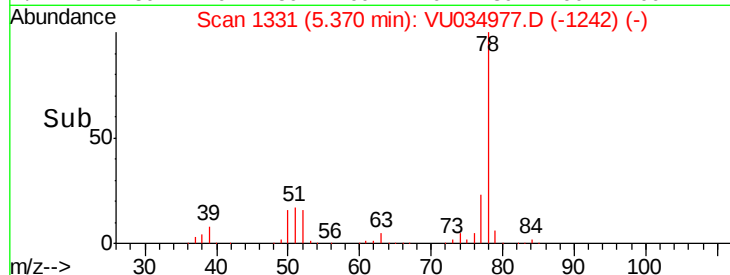
200

0

5.35

5.40

Time-->



#33

Benzene

Concen: 4.300 ug/L

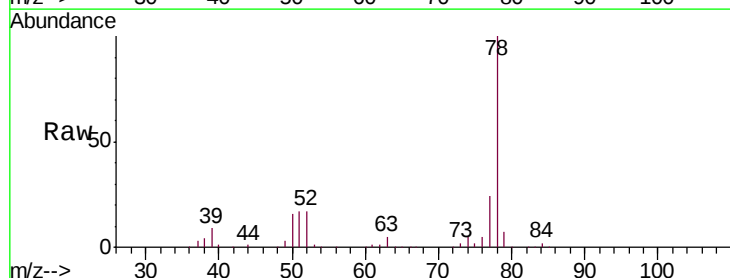
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

Tgt Ion: 78 Resp: 238904



Abundance Ion 78.10 (77.80 to 78.80): VU034955.D (-1303) (-)

120000

100000

80000

60000

40000

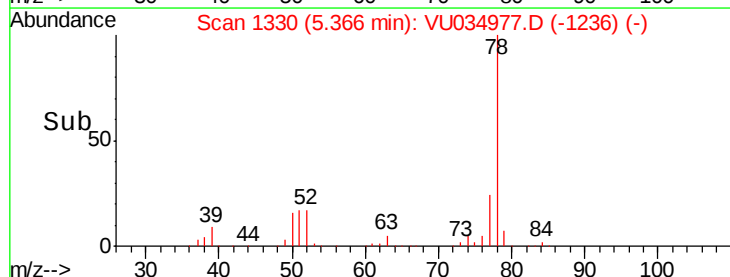
20000

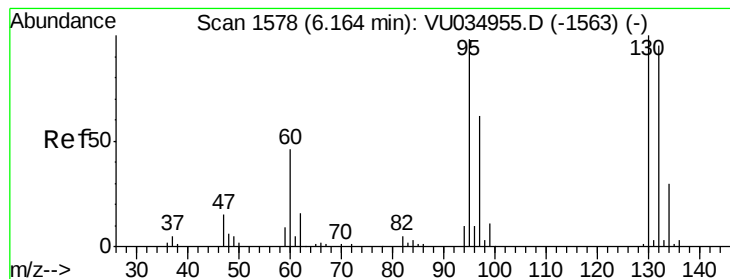
0

5.30

5.40

Time-->





#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 :

MSVOA_U

ClientSampleId :

MW-12D-001-01MSD

Tgt Ion: 95 Resp: 95678

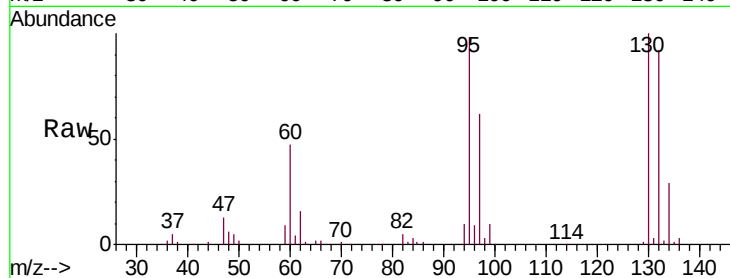
Ion Ratio Lower Upper

95 100

97 63.6 42.5 78.9

132 93.3 65.8 122.2

130 101.8 65.0 120.8

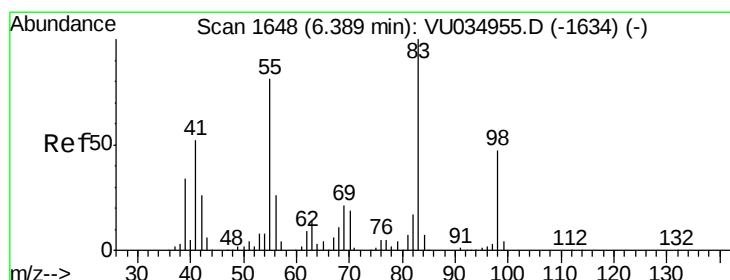
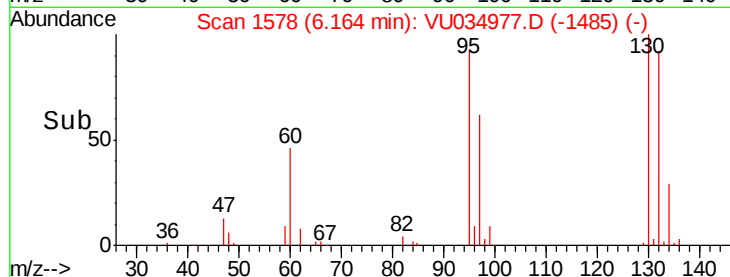
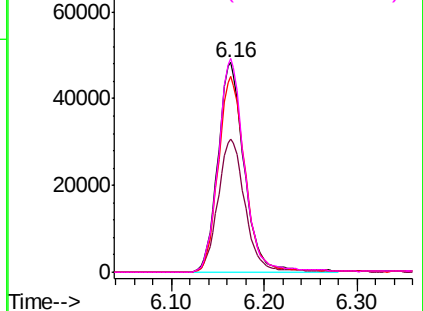


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.682 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

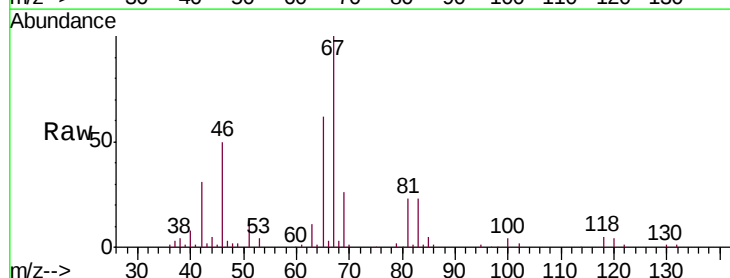
Tgt Ion: 83 Resp: 15827

Ion Ratio Lower Upper

83 100

55 0.3 62.4 93.6#

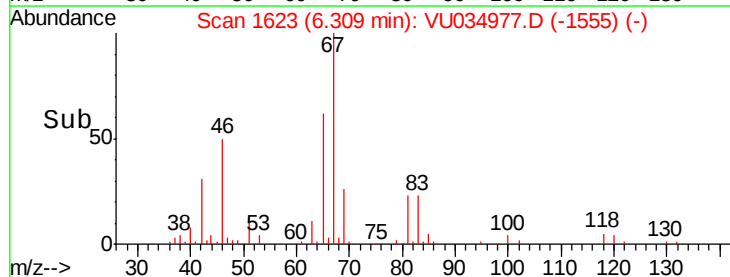
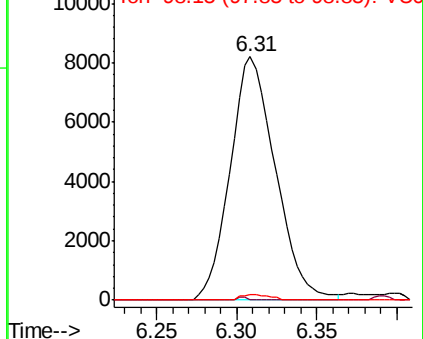
98 1.4 35.5 53.3#

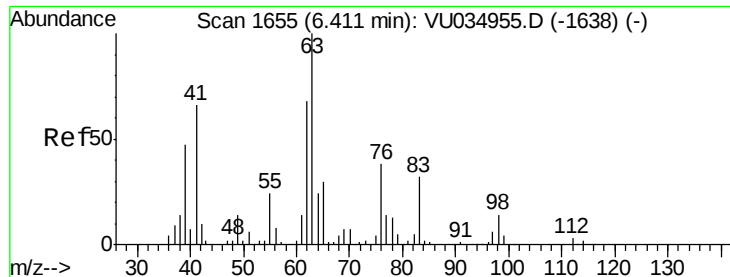


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

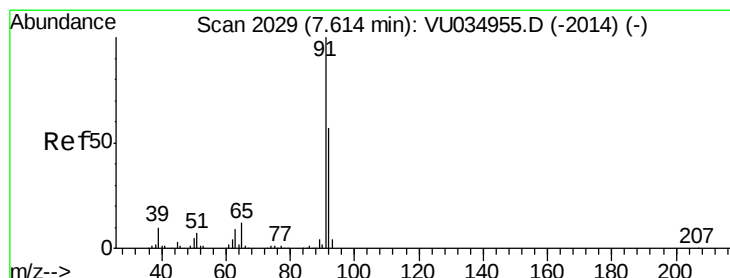
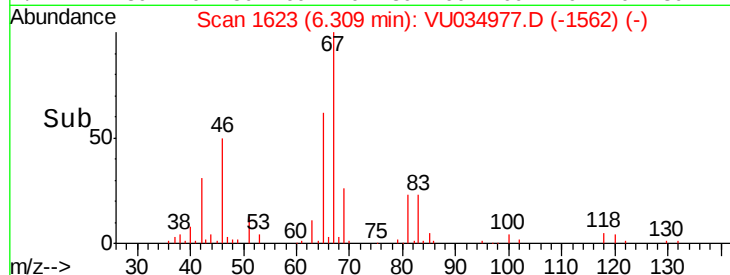
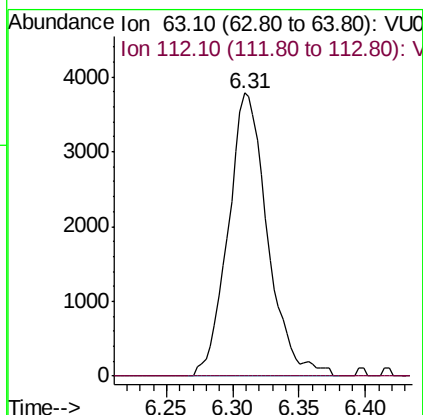
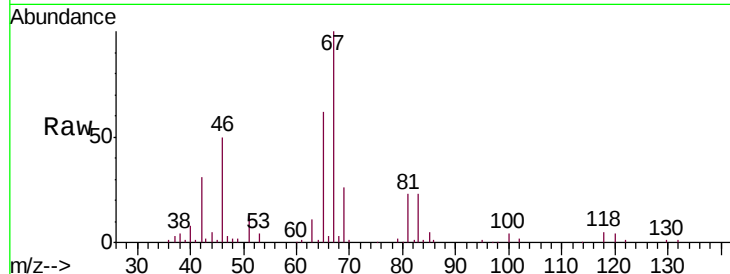




#37
 1,2-Dichloropropane
 Concen: 0.522 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU034977.D
 Acq: 07 Oct 2019 22:16

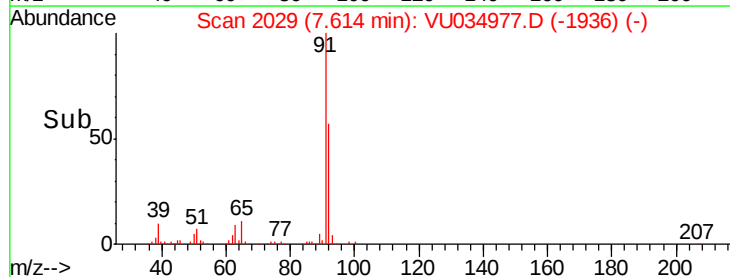
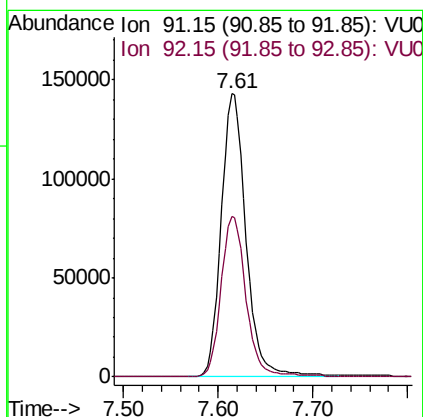
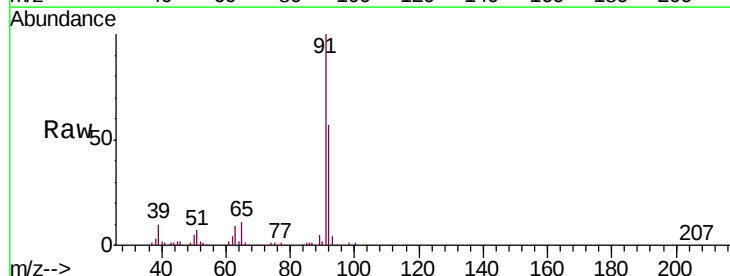
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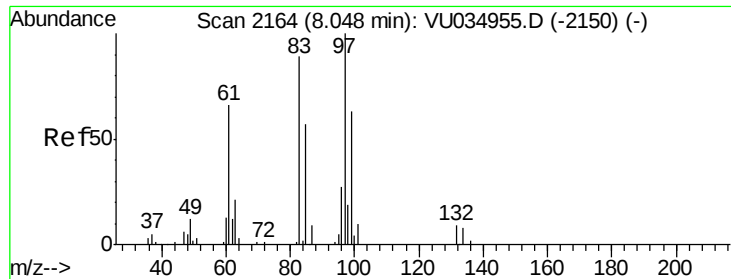
Tgt Ion: 63 Resp: 7823
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#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





#45

1,1,2-Trichloroethane

Concen: 0.128 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. 0.15 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MSD

Tgt Ion: 97 Resp: 1269

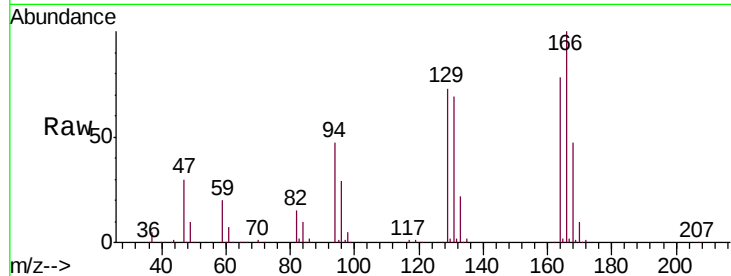
Ion Ratio Lower Upper

97 100

99 21.1 42.8 79.6#

83 273.8 62.2 115.6#

85 26.0 39.1 72.5#

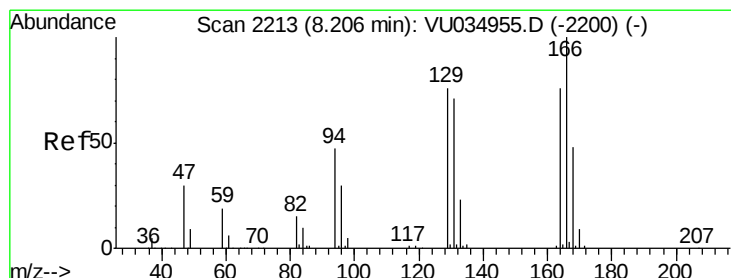
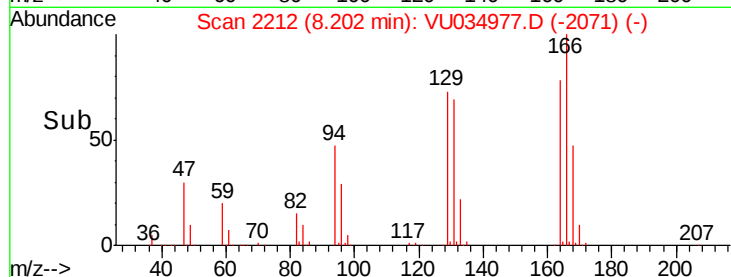
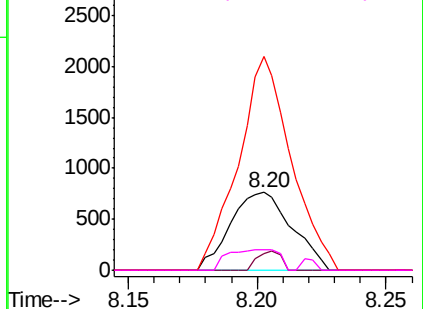


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): 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

Tgt Ion:164 Resp: 131155

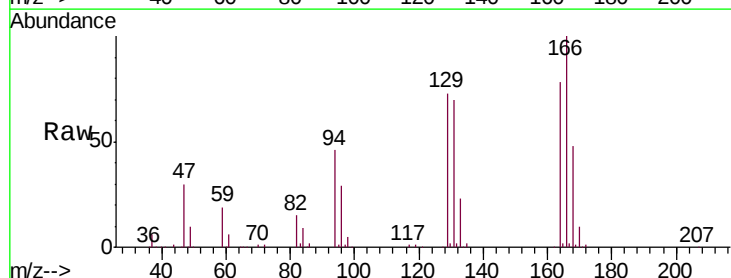
Ion Ratio Lower Upper

164 100

129 92.6 66.5 123.5

131 88.8 63.3 117.7

166 127.5 91.6 170.2

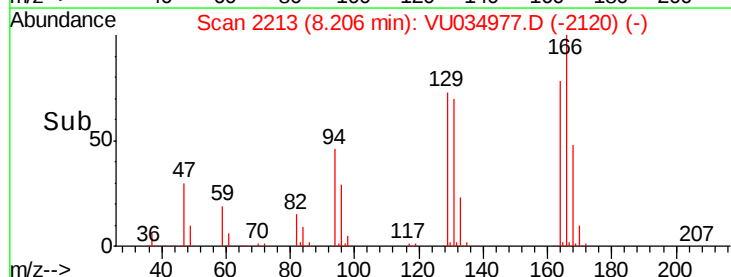
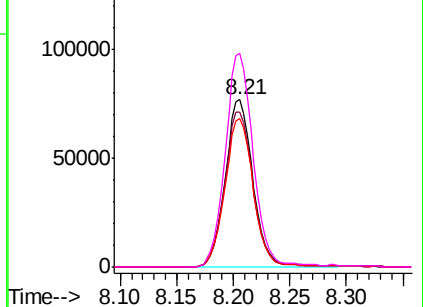


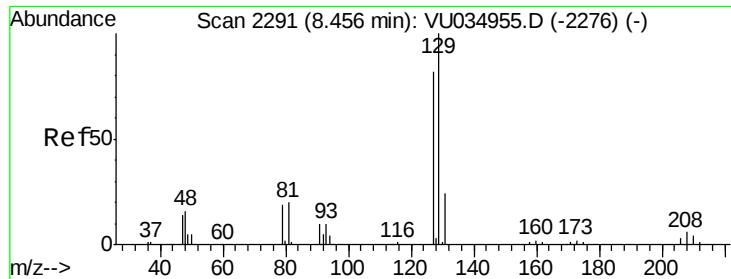
Abundance Ion 163.90 (163.60 to 164.60): V

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

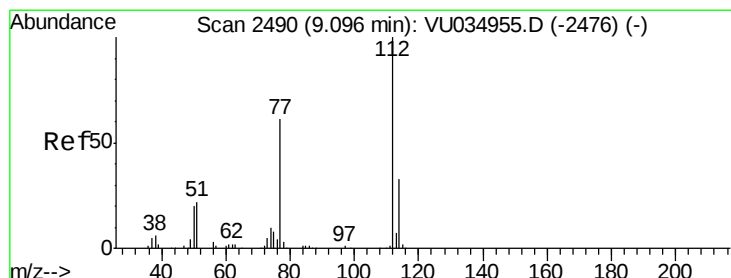
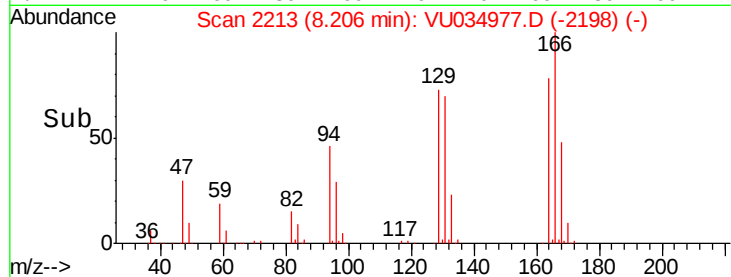
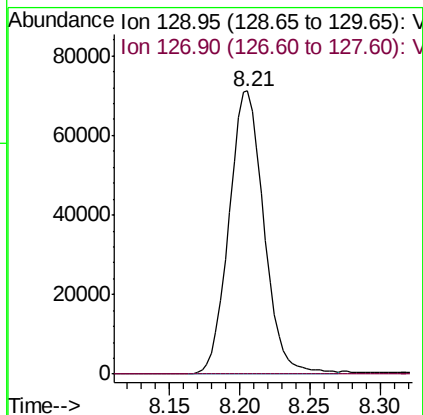
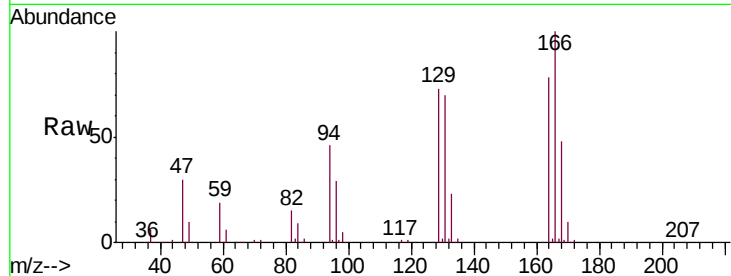




#49
Dibromochloromethane
Concen: 10.746 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU034977.D
Acq: 07 Oct 2019 22:16

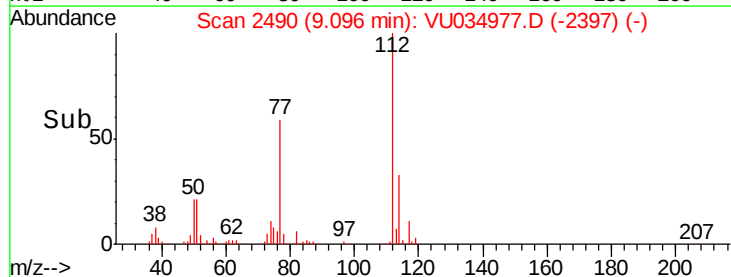
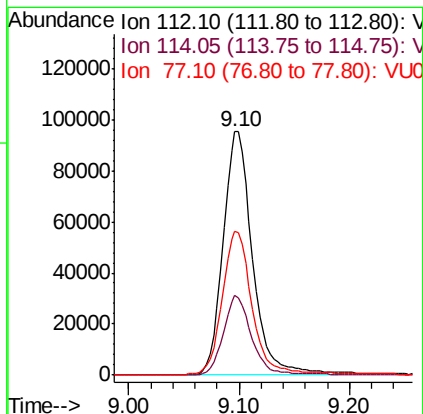
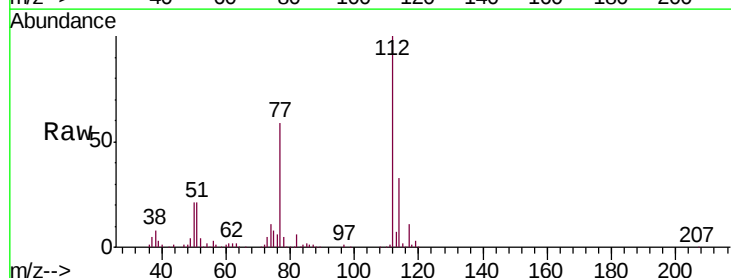
Instrument :
MSVOA_U
ClientSampleId :
MW-12D-001-01MSD

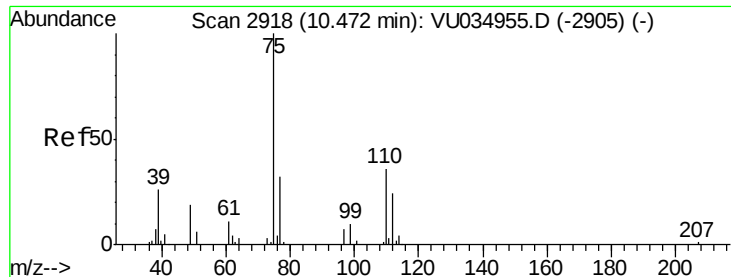
Tgt Ion:129 Resp: 123582
Ion Ratio Lower Upper
129 100
127 0.2 51.2 95.0#



#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





#59

1,2,3-Trichloropropane

Concen: 0.961 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034977.D

Acq: 07 Oct 2019 22:16

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MSD

Tgt Ion: 75 Resp: 9324

Ion Ratio Lower Upper

75 100

77 40.0 25.8 38.6#

