

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 04:04:46 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

					Qvalue
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
18) trans-1,2-Dichloroethene	2.96	96	969	0.076 ug/L	94
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
27) 1,2-Dichloroethane	5.36	62	2205	0.133 ug/L #	76
33) Benzene	5.36	78	235564	4.147 ug/L	100
34) Trichloroethene	6.16	95	96338	6.576 ug/L	94
35) Methylcyclohexane	6.31	83	15766	0.665 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7988	0.521 ug/L #	89
42) Toluene	7.61	91	254298	4.289 ug/L	99
45) 1,1,2-Trichloroethane	8.20	97	1120	0.110 ug/L #	8
47) Tetrachloroethene	8.21	164	130432	11.000 ug/L	99
49) Dibromochloromethane	8.21	129	128935	10.965 ug/L #	13
51) Chlorobenzene	9.10	112	172489	4.489 ug/L	99
59) 1,2,3-Trichloropropane	11.46	75	9827	0.991 ug/L	90

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

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

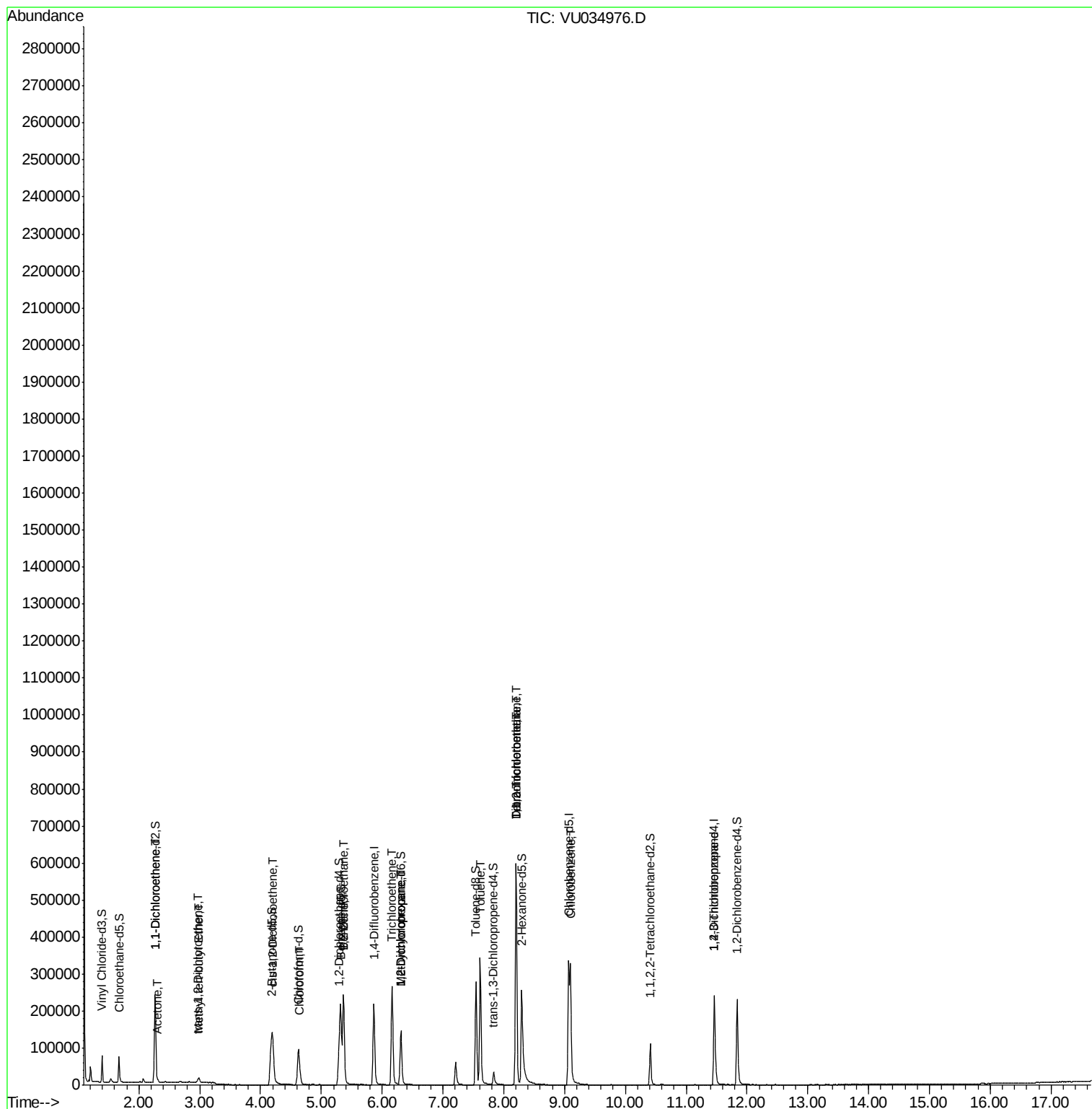
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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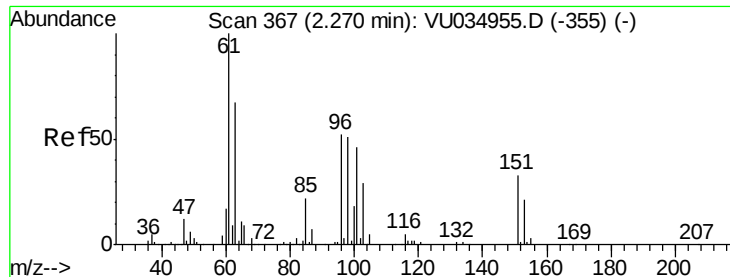
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#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

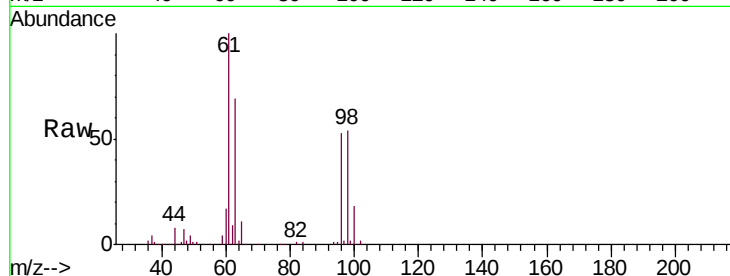
Tgt Ion: 96 Resp: 47253

Ion Ratio Lower Upper

96 100

61 190.0 132.6 246.2

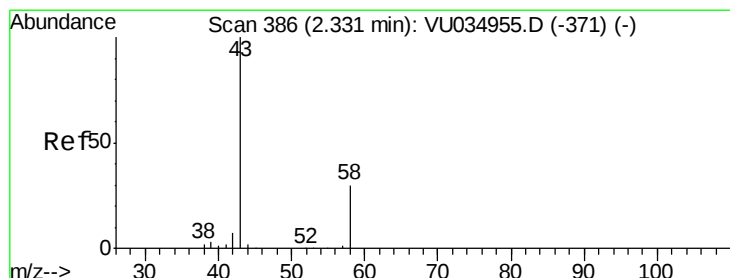
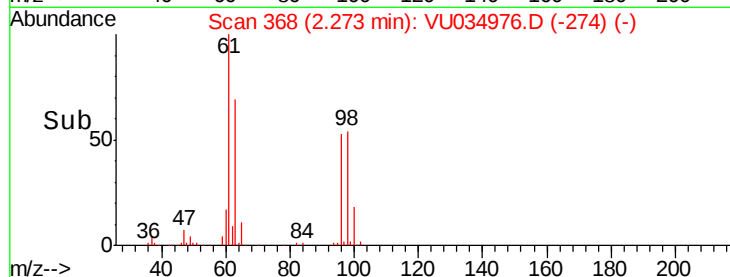
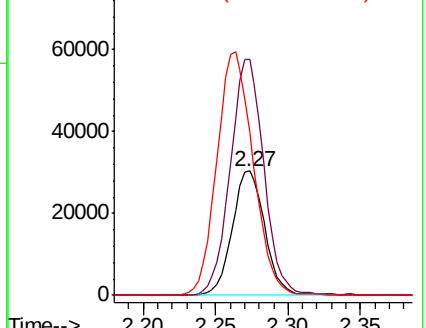
63 130.8 94.3 175.1



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

Ion 61.05 (60.75 to 61.75): VU034976.D (-274) (-)

Ion 63.00 (62.70 to 63.70): 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

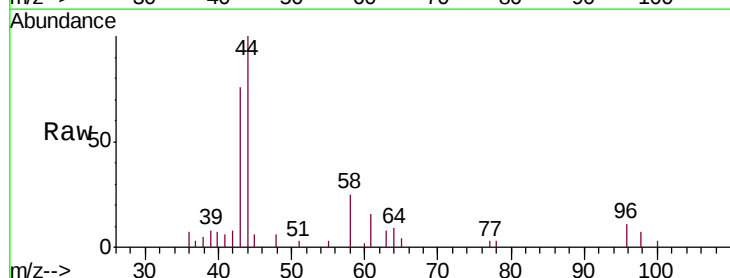
Acq: 07 Oct 2019 21:52

Tgt Ion: 43 Resp: 5606

Ion Ratio Lower Upper

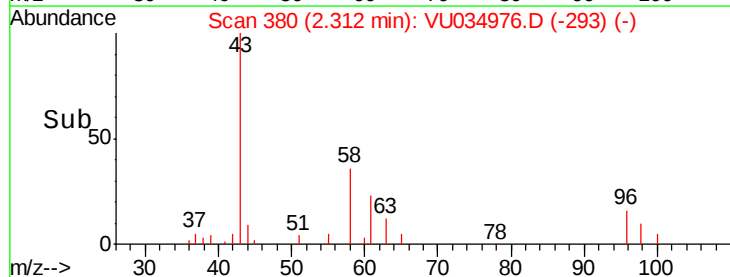
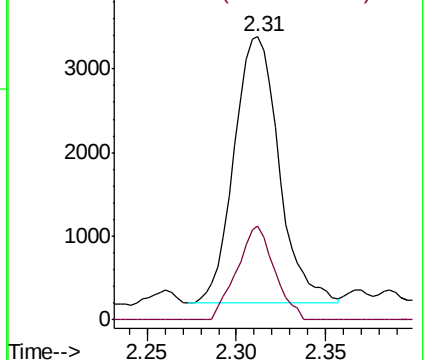
43 100

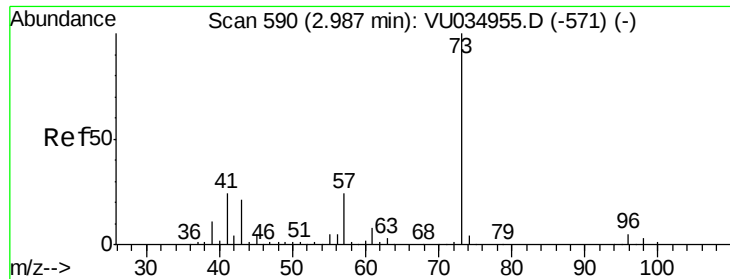
58 29.2 0.0 60.8



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

Ion 58.05 (57.75 to 58.75): VU034976.D (-293) (-)





#17

Methyl tert-butyl 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

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MS

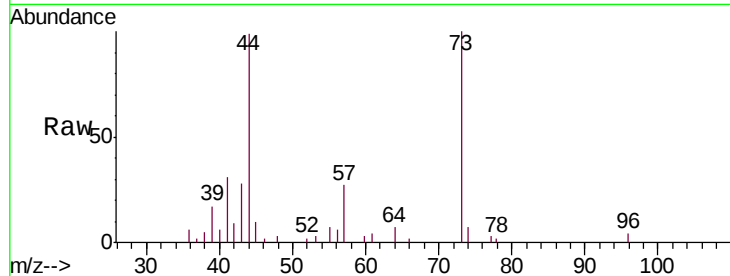
Tgt Ion: 73 Resp: 10794

Ion Ratio Lower Upper

73 100

43 24.3 17.4 26.0

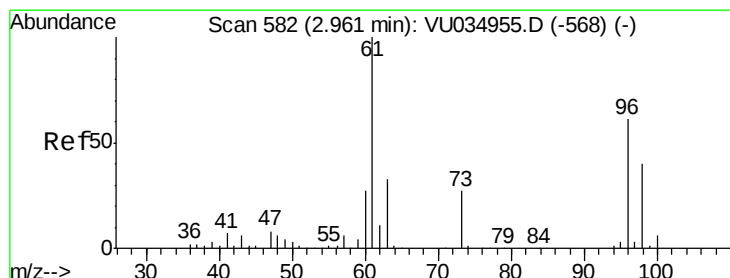
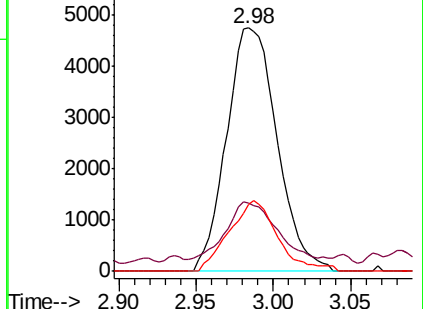
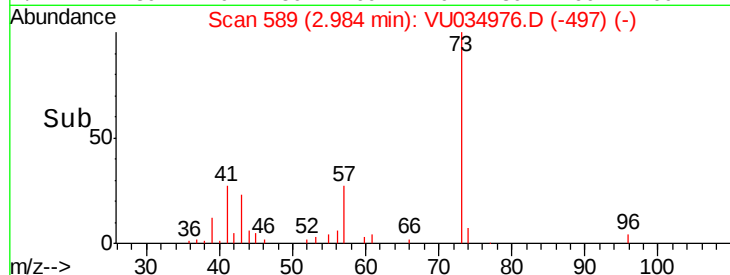
57 28.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU034976.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU034976.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU034976.D (-497) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.076 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

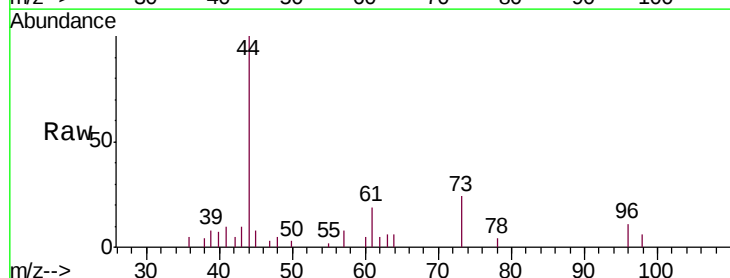
Tgt Ion: 96 Resp: 969

Ion Ratio Lower Upper

96 100

61 166.4 112.3 208.7

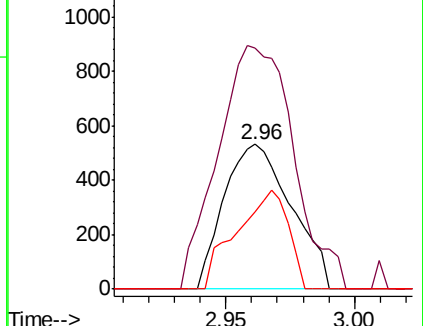
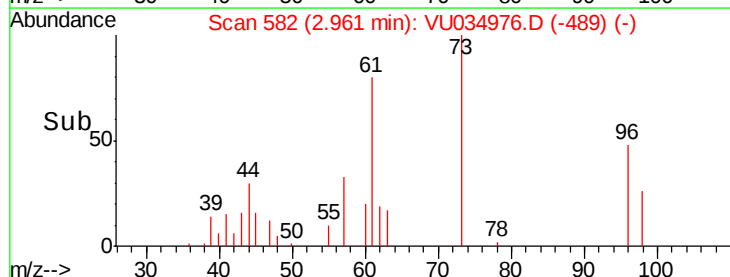
98 53.4 43.5 80.9

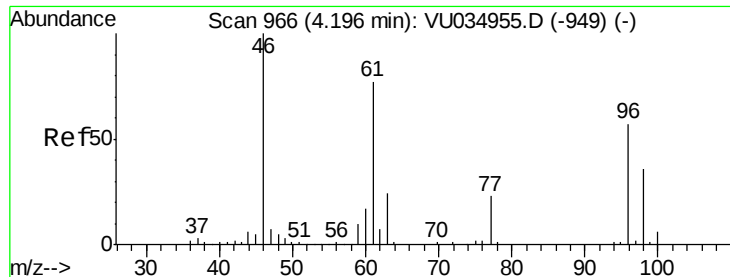


Abundance Ion 96.00 (95.70 to 96.70): VU034976.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034976.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034976.D (-489) (-)



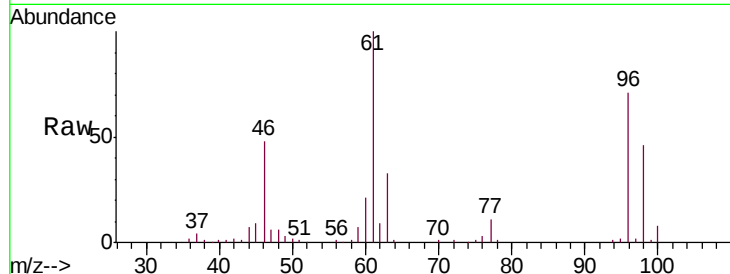


#22

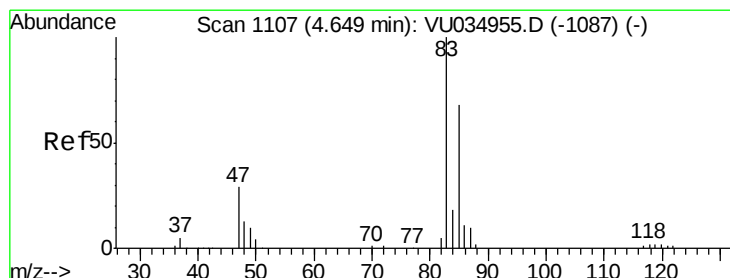
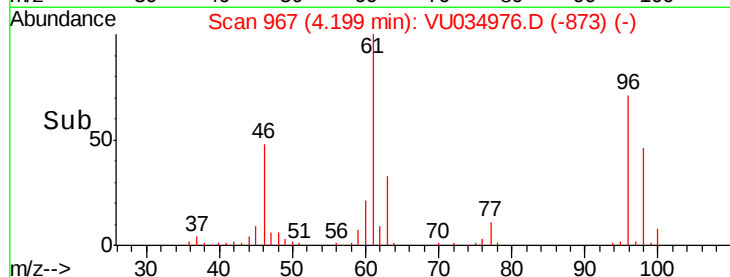
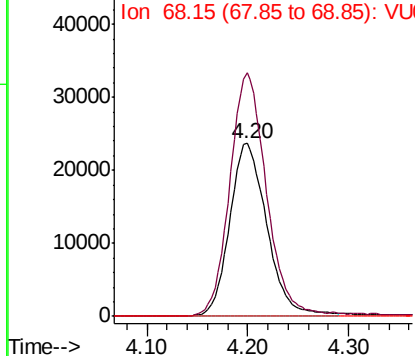
cis-1,2-Dichloroethene
 Concen: 4.284 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

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

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



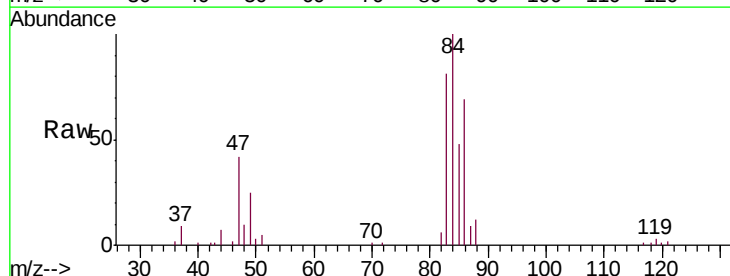
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



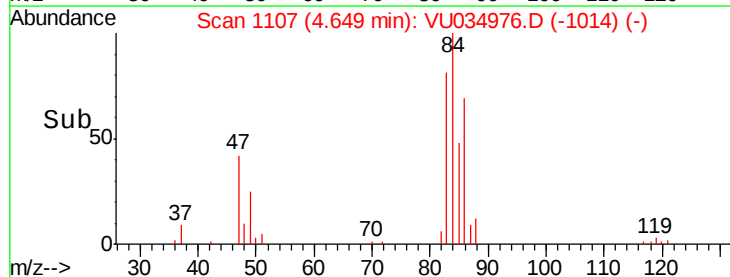
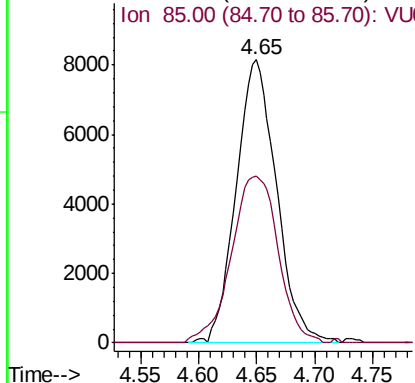
#25

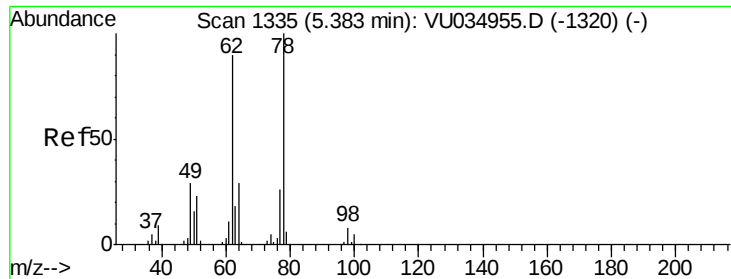
Chloroform
 Concen: 0.693 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

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



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

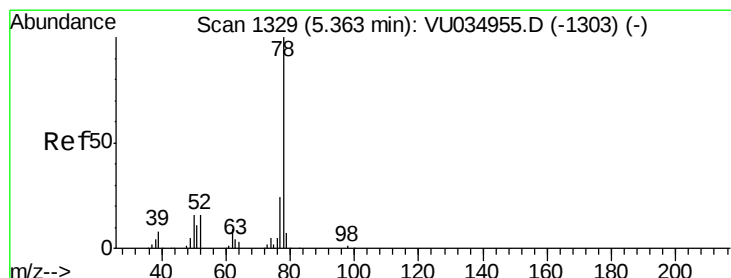
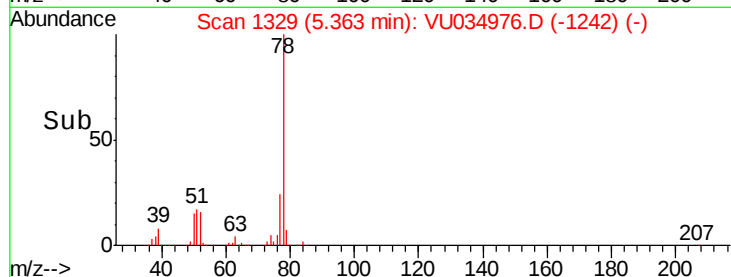
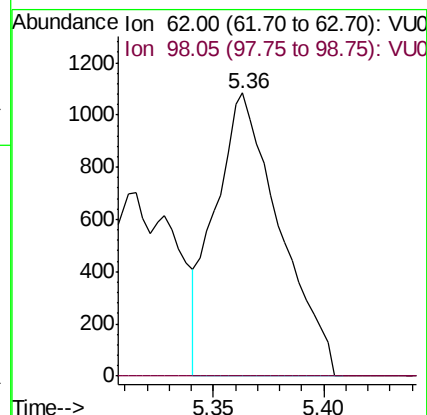
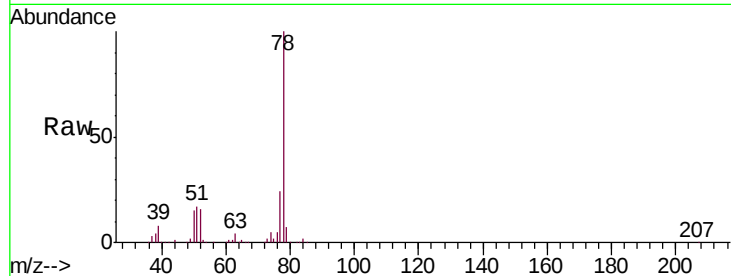




#27
 1,2-Dichloroethane
 Concen: 0.133 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

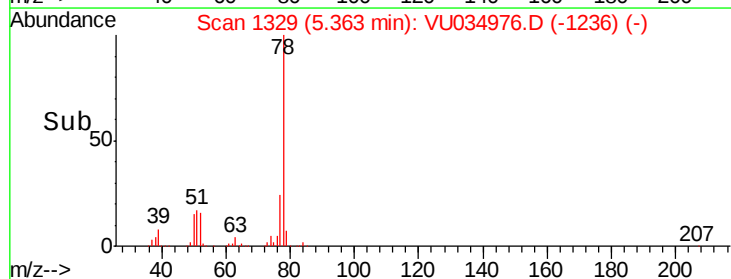
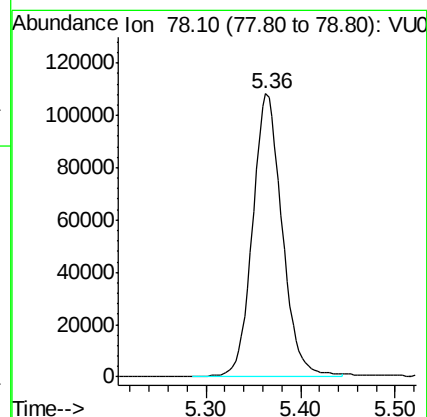
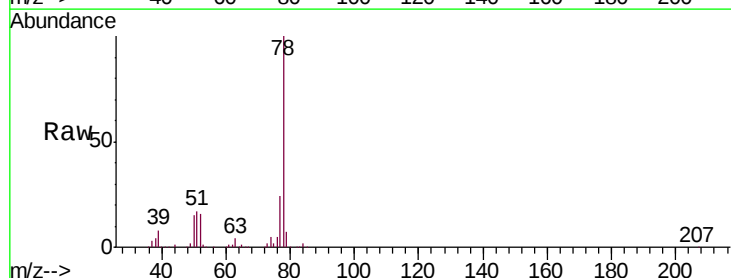
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-12D-001-01MS

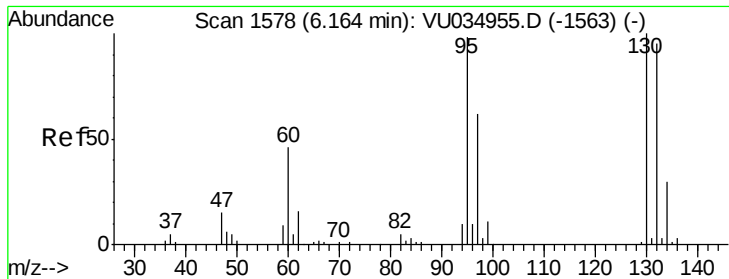
Tgt Ion: 62 Resp: 2205
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.8 10.2#



#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

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MS

Tgt Ion: 95 Resp: 96338

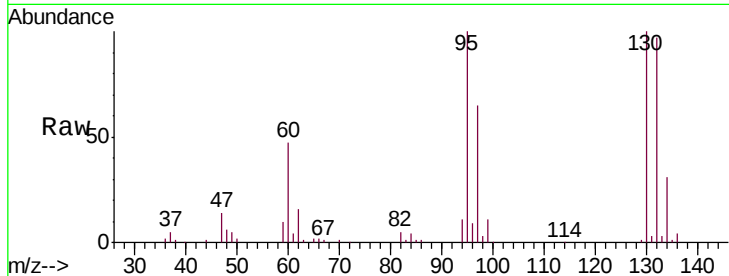
Ion Ratio Lower Upper

95 100

97 65.7 42.5 78.9

132 97.6 65.8 122.2

130 100.5 65.0 120.8

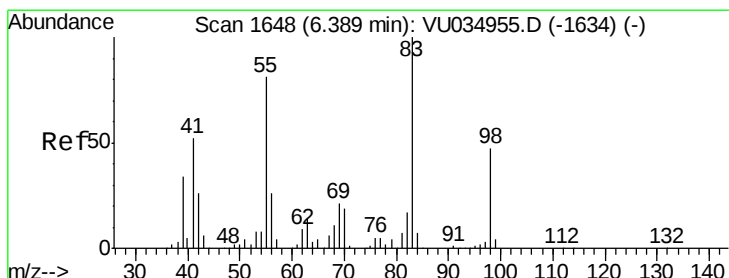
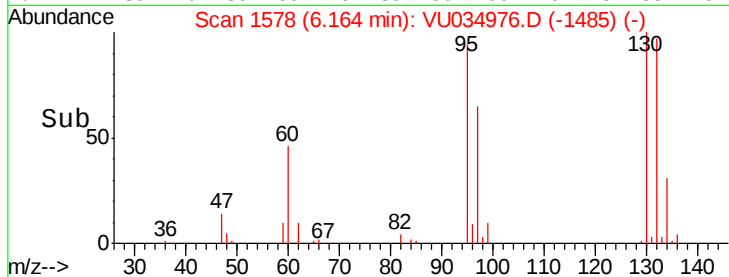
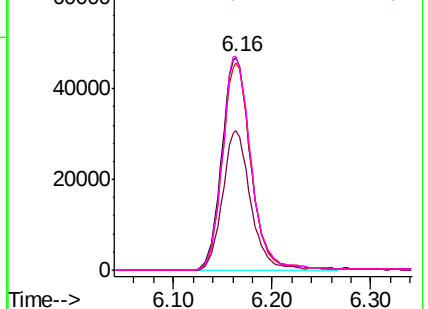


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

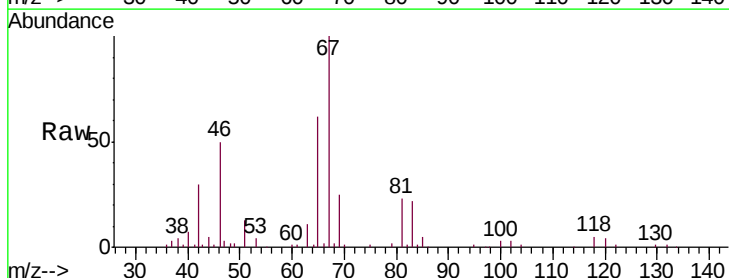
Tgt Ion: 83 Resp: 15766

Ion Ratio Lower Upper

83 100

55 0.6 62.4 93.6#

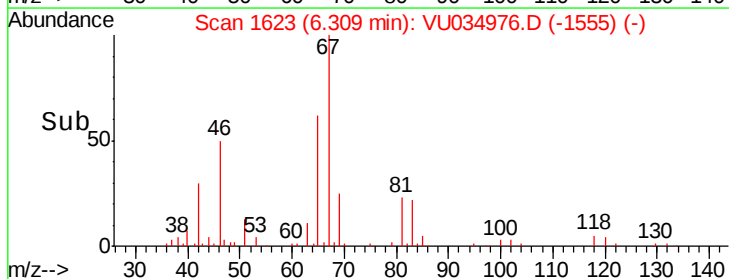
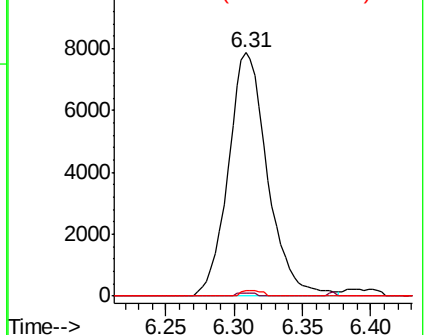
98 1.1 35.5 53.3#

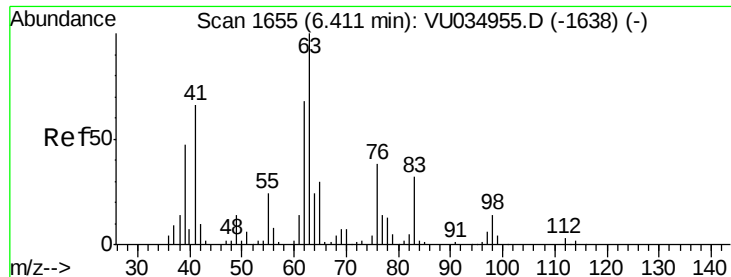


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.521 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

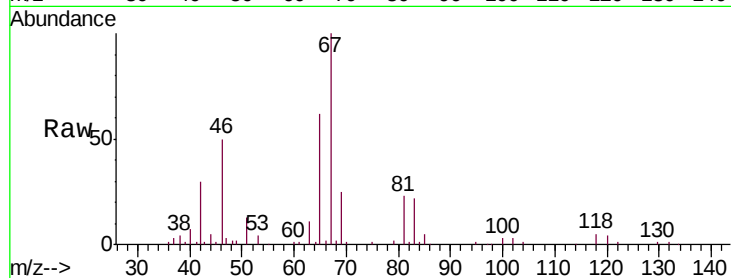
MW-12D-001-01MS

Tgt Ion: 63 Resp: 7988

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU034976.D (-1623) (-)

Ion 112.10 (111.80 to 112.80): VU034976.D (-1623) (-)

6.31

4000

3000

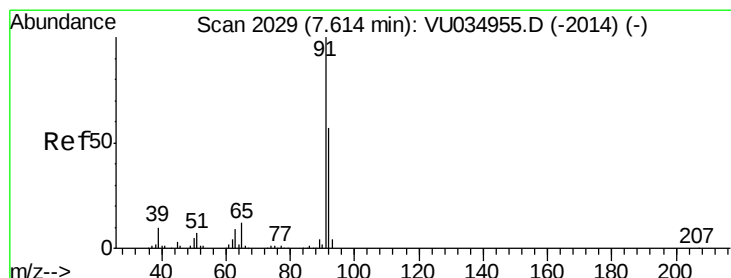
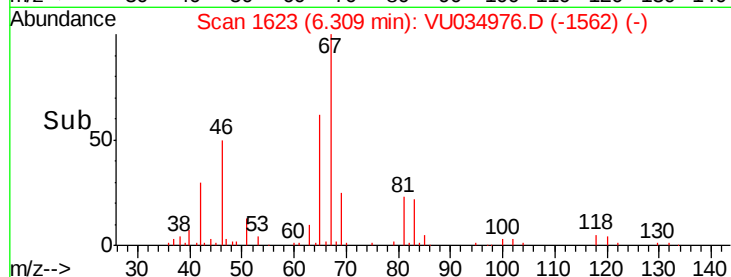
2000

1000

0

6.25 6.30 6.35

Time-->



#42

Toluene

Concen: 4.289 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034976.D

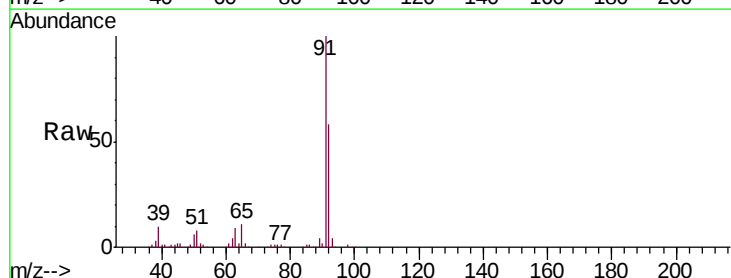
Acq: 07 Oct 2019 21:52

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): VU034976.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU034976.D (-1936) (-)

7.61

150000

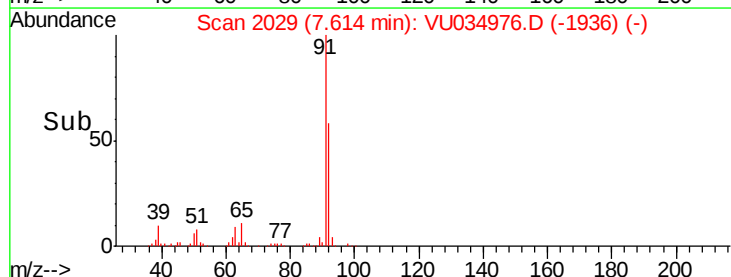
100000

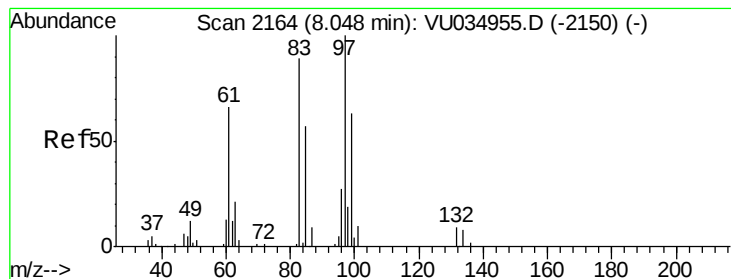
50000

0

7.55 7.60 7.65 7.70

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.110 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.15 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01MS

Tgt Ion: 97 Resp: 1120

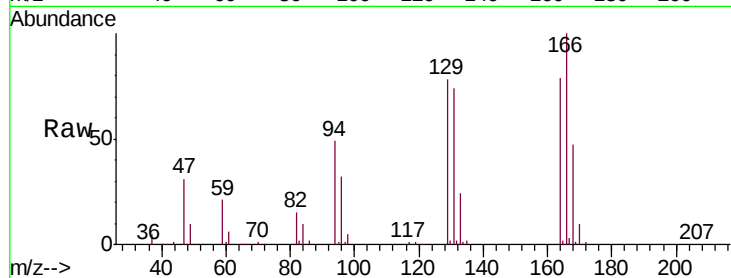
Ion Ratio Lower Upper

97 100

99 0.0 42.8 79.6#

83 224.7 62.2 115.6#

85 40.0 39.1 72.5



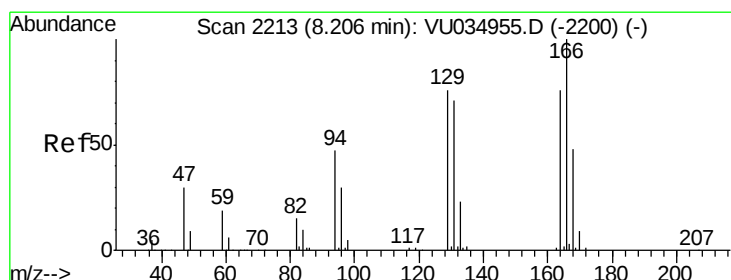
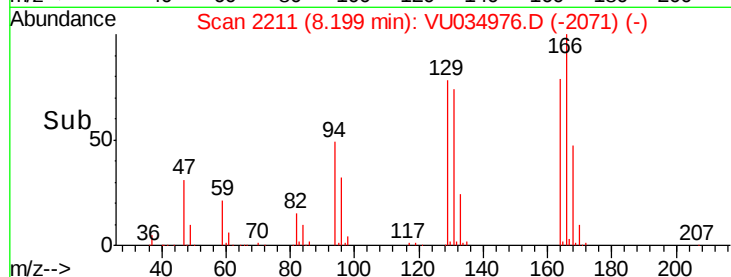
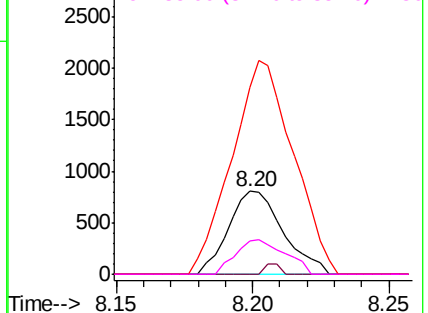
Abundance

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: 11.000 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Tgt Ion: 164 Resp: 130432

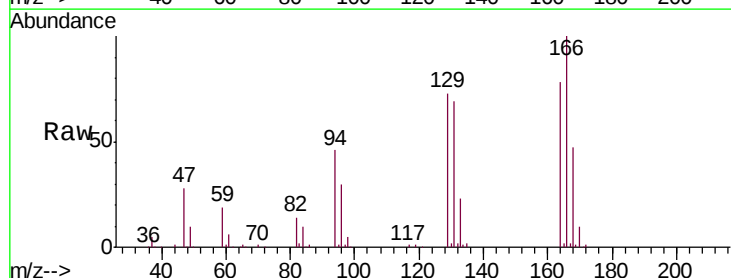
Ion Ratio Lower Upper

164 100

129 94.1 66.5 123.5

131 89.3 63.3 117.7

166 129.0 91.6 170.2



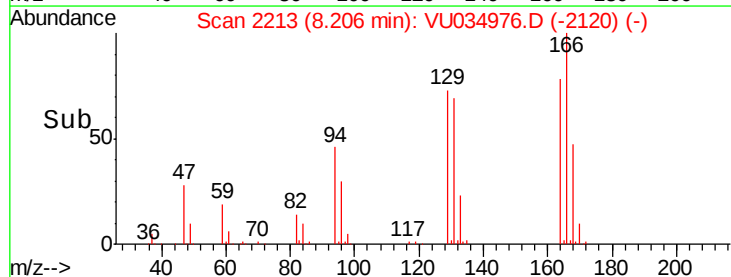
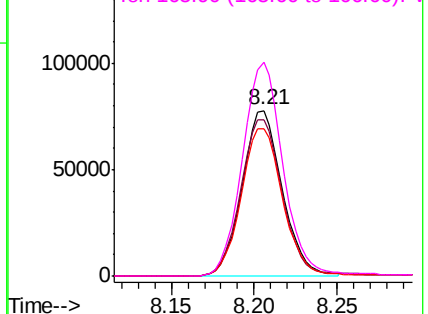
Abundance

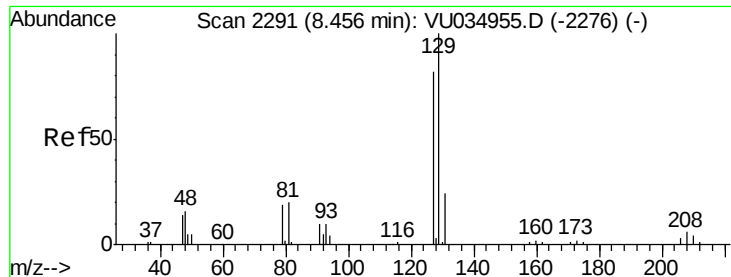
Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 10.965 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034976.D

Acq: 07 Oct 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

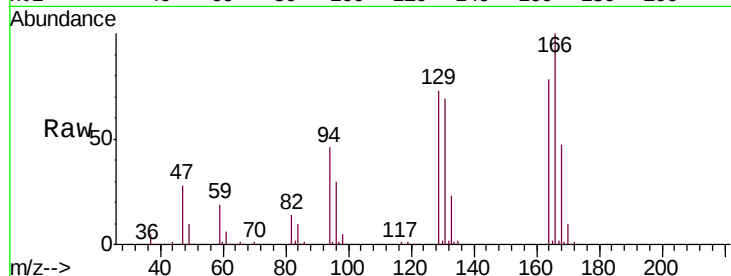
MW-12D-001-01MS

Tgt Ion:129 Resp: 128935

Ion Ratio Lower Upper

129 100

127 0.0 51.2 95.0#

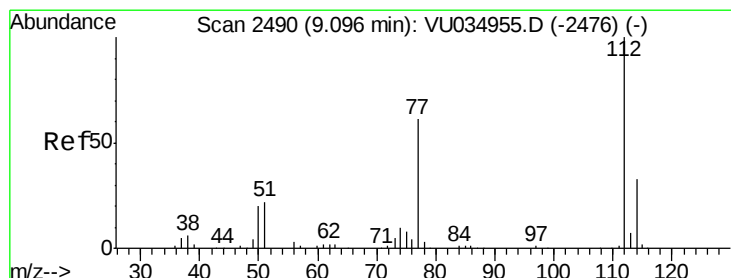
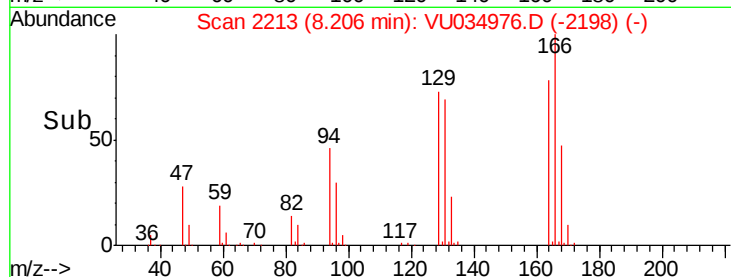


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

Time-->



#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

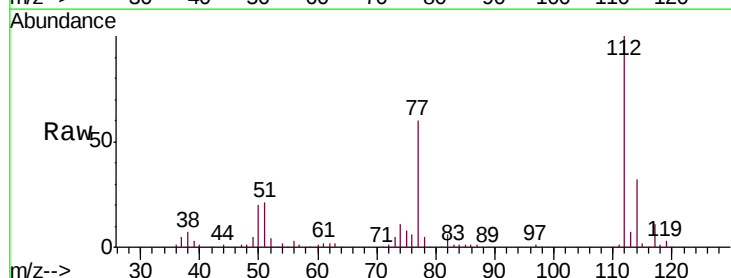
Tgt Ion:112 Resp: 172489

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 60.1 47.4 71.2



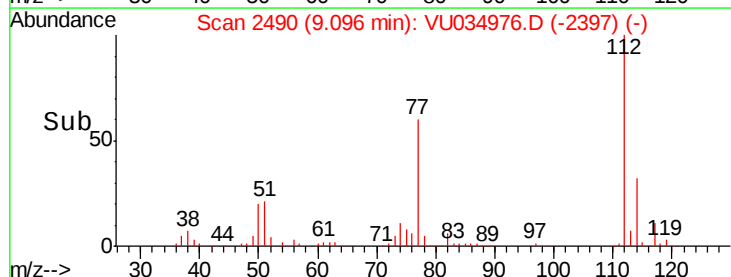
Abundance Ion 112.10 (111.80 to 112.80): V

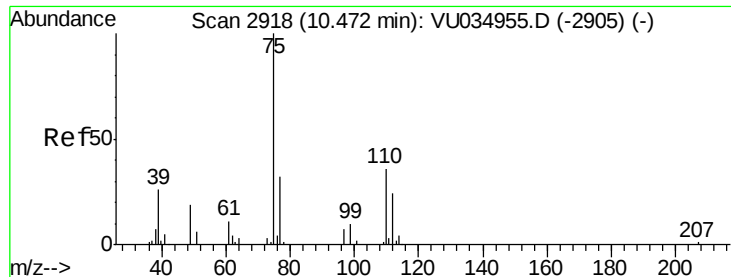
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.10

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 0.991 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034976.D
 Acq: 07 Oct 2019 21:52

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

Tgt Ion: 75 Resp: 9827
 Ion Ratio Lower Upper
 75 100
 77 37.6 25.8 38.6

