

Data File : VU034963.D
Acq On : 07 Oct 2019 16:35
Operator : JC/SP
Sample : K5219-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Oct 09 04:01:19 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	182130	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	182238	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	75390	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47022	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	45117	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.26	63	71667	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.17	46	142962	45.09	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.18%
24) Chloroform-d	4.62	84	90629	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.29	65	55889	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.32	84	202736	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.31	67	69967	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.55	98	184124	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.84	79	21441	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.30	63	109870	44.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.86%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55362	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	65010	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

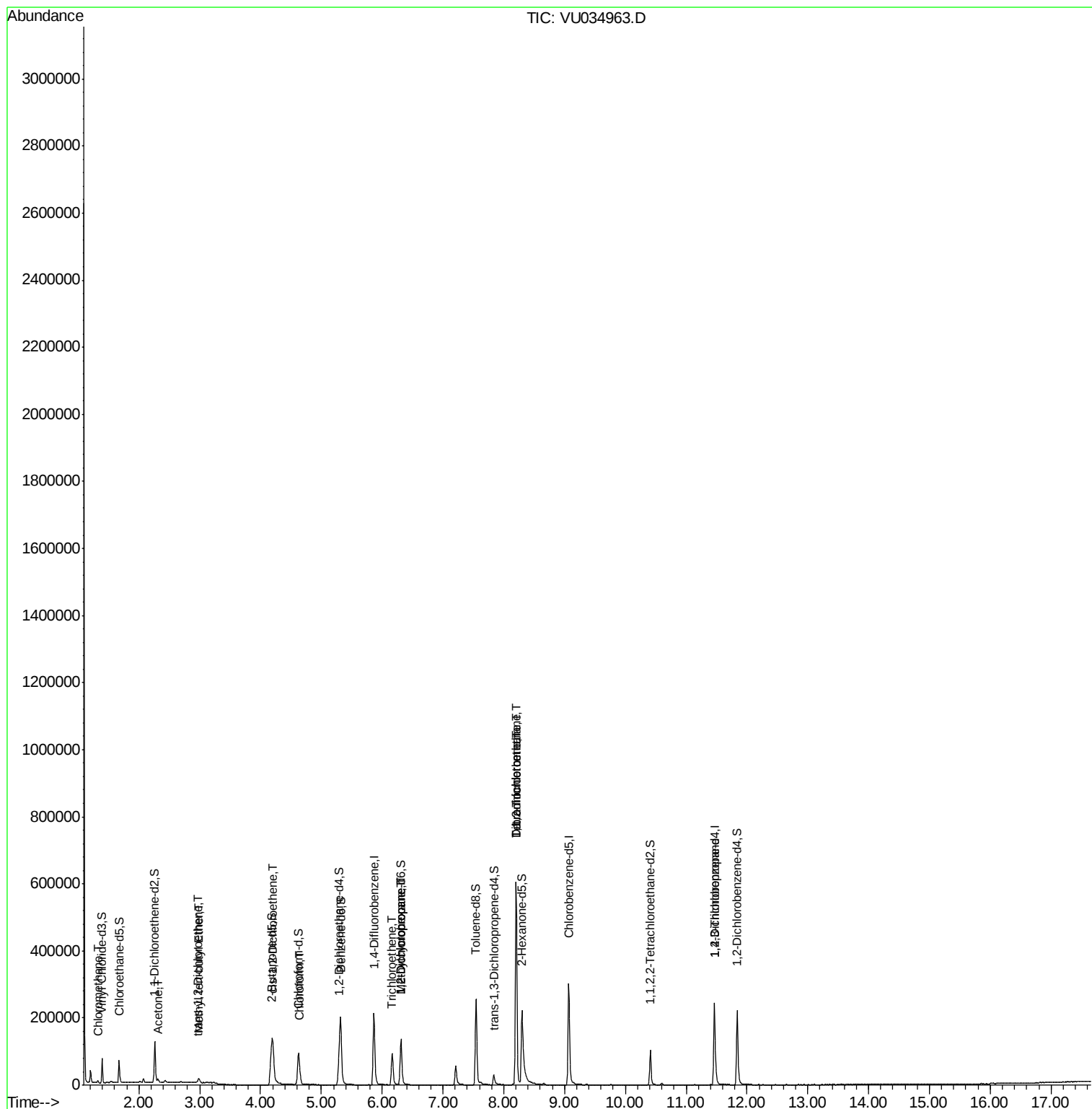
						Qvalue
3) Chloromethane	1.32	50	4415	0.242	ug/L	95
13) Acetone	2.31	43	10785	4.153	ug/L	99
17) Methyl tert-butyl Ether	2.99	73	10805	0.339	ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	1123	0.090	ug/L	87
22) cis-1,2-Dichloroethene	4.20	96	61519	4.403	ug/L	100
25) Chloroform	4.65	83	14959	0.535	ug/L	97
34) Trichloroethene	6.16	95	34859	2.462	ug/L	97
35) Methylcyclohexane	6.31	83	15057	0.657	ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7655	0.517	ug/L #	89
45) 1,1,2-Trichloroethane	8.20	97	1184	0.120	ug/L #	1
47) Tetrachloroethene	8.21	164	136361	11.899	ug/L	98
49) Dibromochloromethane	8.21	129	130477	11.481	ug/L #	13
59) 1,2,3-Trichloropropane	11.46	75	10106	1.054	ug/L	96

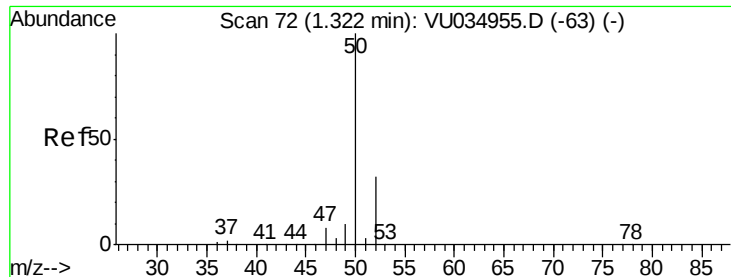
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.242 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

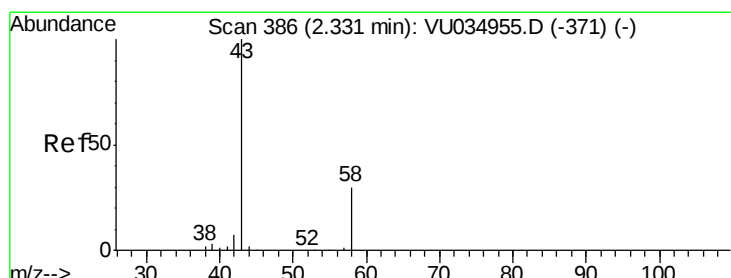
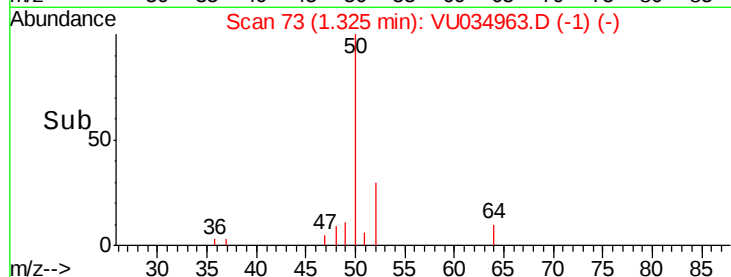
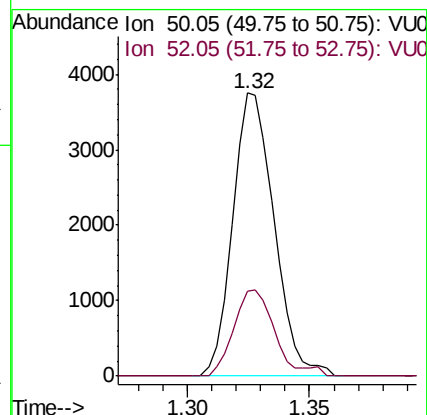
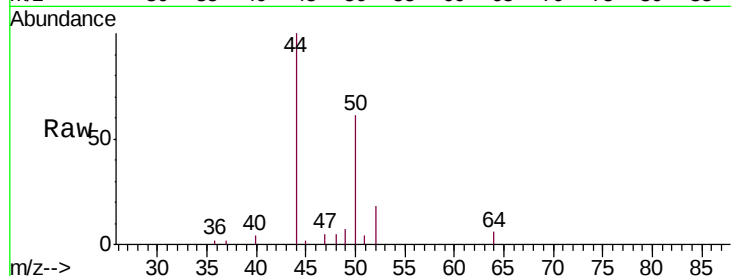
MW-12D-001-01

Tgt Ion: 50 Resp: 4415

Ion Ratio Lower Upper

50 100

52 30.1 23.0 42.6



#13

Acetone

Concen: 4.153 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034963.D

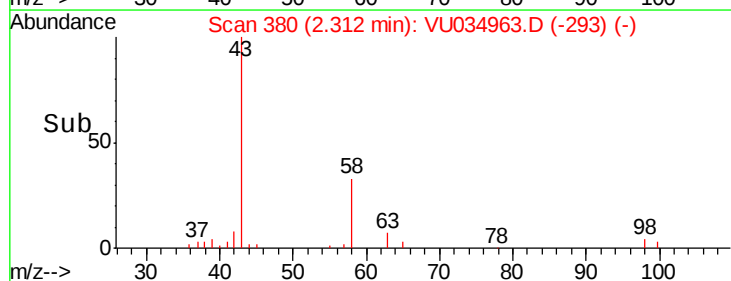
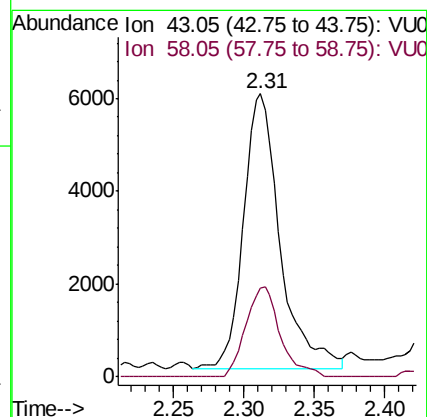
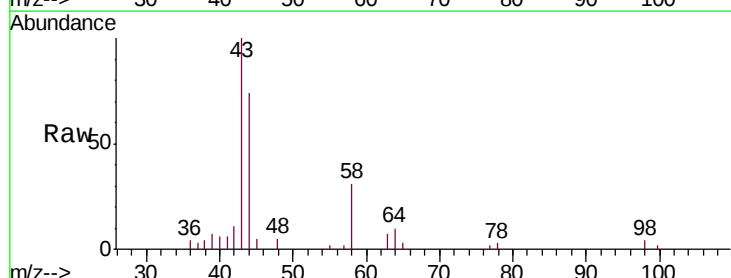
Acq: 07 Oct 2019 16:35

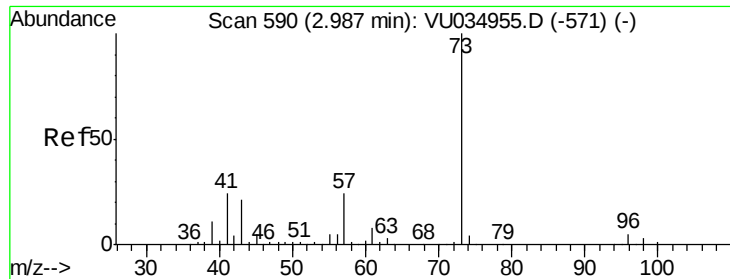
Tgt Ion: 43 Resp: 10785

Ion Ratio Lower Upper

43 100

58 30.7 0.0 60.8

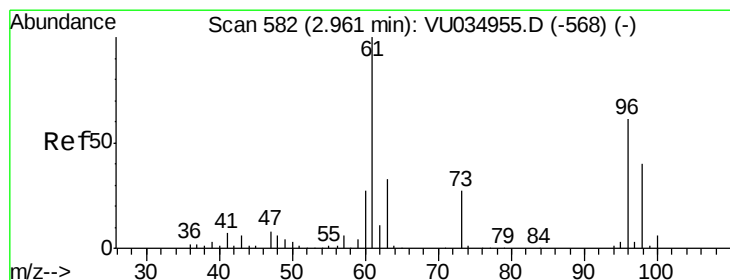
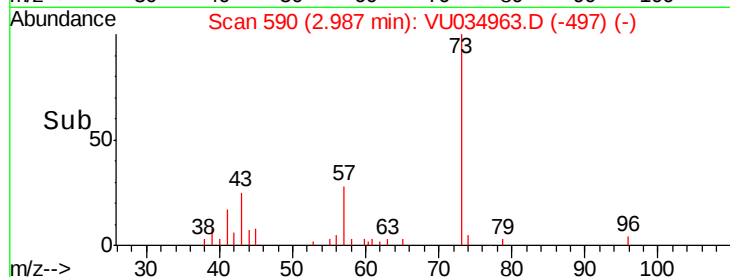
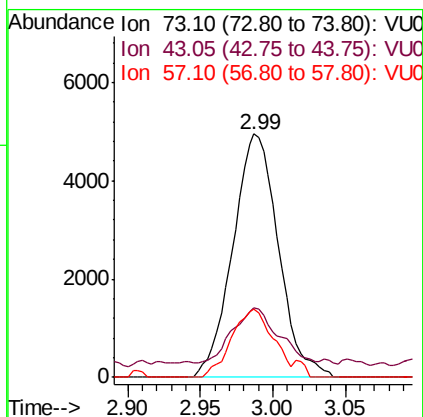
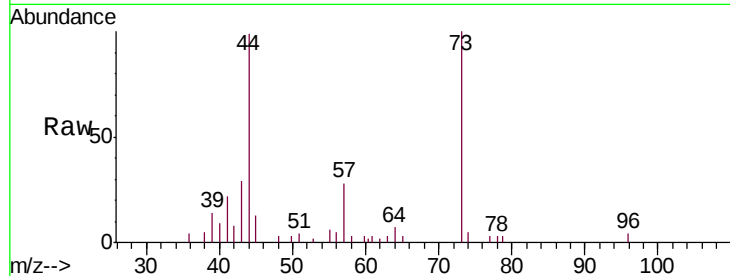




#17
Methyl tert-butyl Ether
Concen: 0.339 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU034963.D
Acq: 07 Oct 2019 16:35

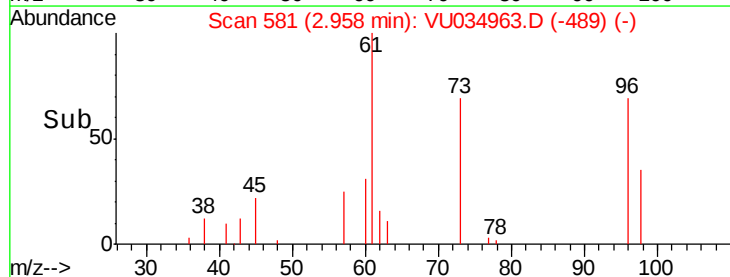
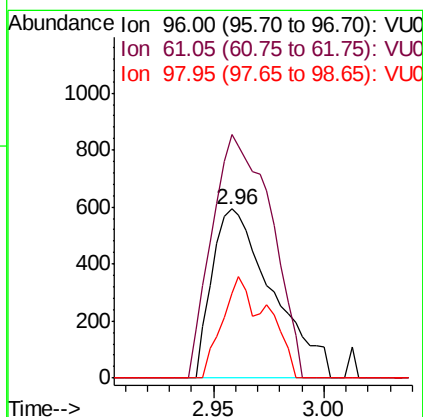
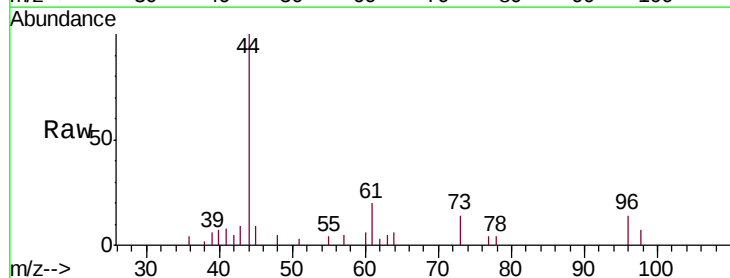
Instrument :
MSVOA_U
ClientSampleId :
MW-12D-001-01

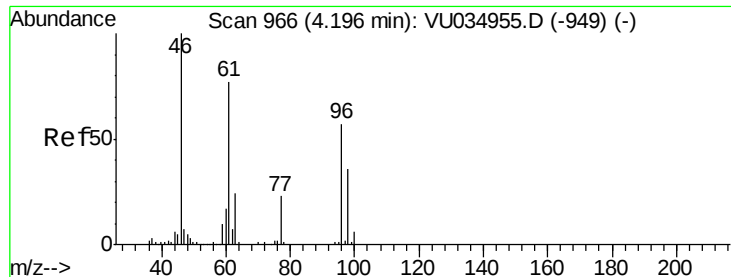
Tgt Ion: 73 Resp: 10805
Ion Ratio Lower Upper
73 100
43 22.2 17.4 26.0
57 25.5 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU034963.D
Acq: 07 Oct 2019 16:35

Tgt Ion: 96 Resp: 1123
Ion Ratio Lower Upper
96 100
61 144.3 112.3 208.7
98 50.3 43.5 80.9





#22

cis-1,2-Dichloroethene

Concen: 4.403 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01

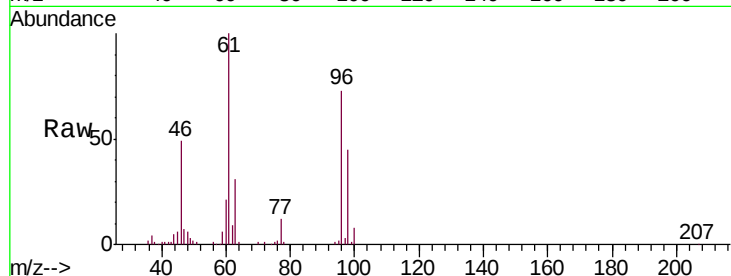
Tgt Ion: 96 Resp: 61519

Ion Ratio Lower Upper

96 100

61 137.3 96.4 179.0

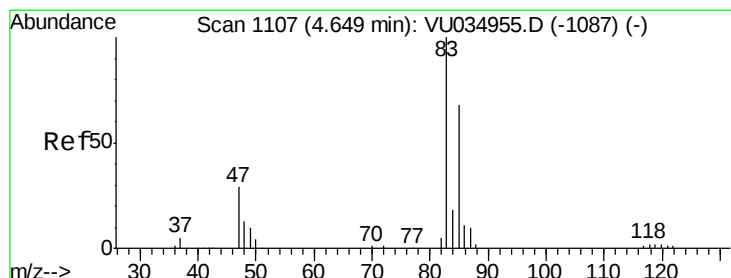
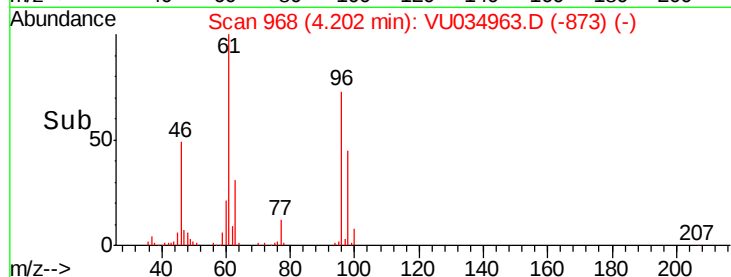
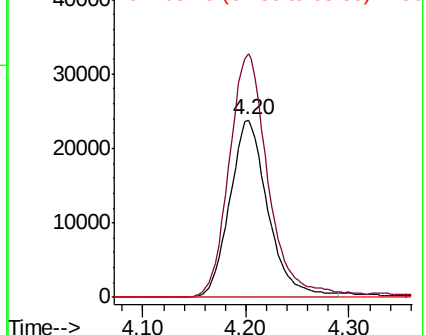
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034955.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034955.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034955.D (-949) (-)



#25

Chloroform

Concen: 0.535 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034963.D

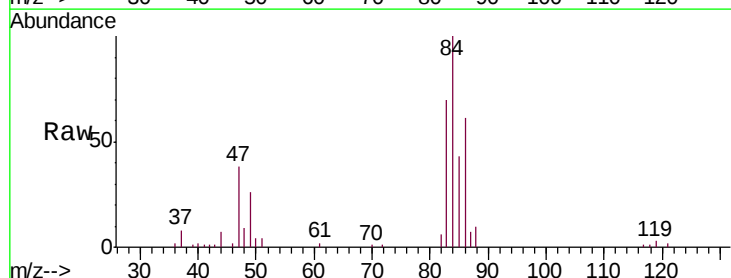
Acq: 07 Oct 2019 16:35

Tgt Ion: 83 Resp: 14959

Ion Ratio Lower Upper

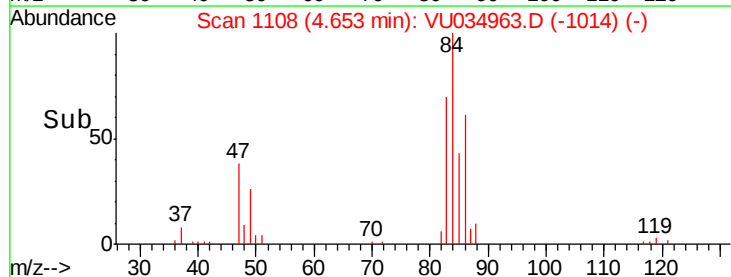
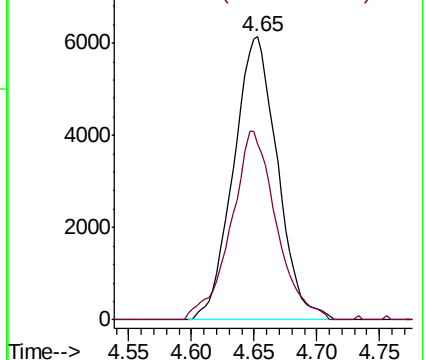
83 100

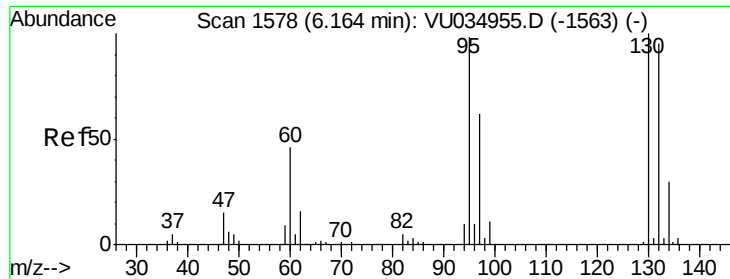
85 62.3 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU034955.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU034955.D (-1087) (-)





#34

Trichloroethene

Concen: 2.462 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01

Tgt Ion: 95 Resp: 34859

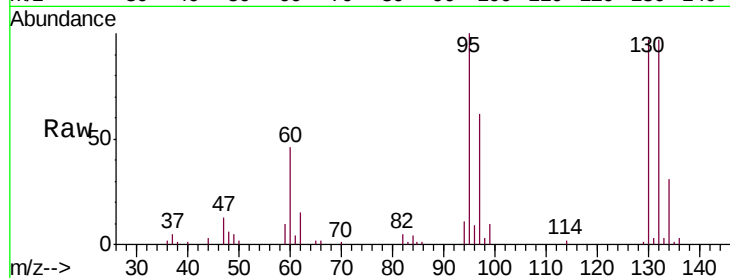
Ion Ratio Lower Upper

95 100

97 62.1 42.5 78.9

132 96.9 65.8 122.2

130 97.4 65.0 120.8

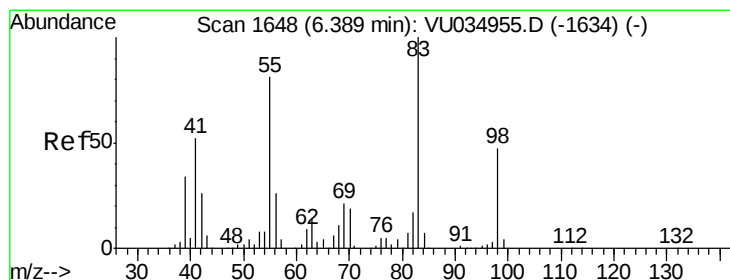
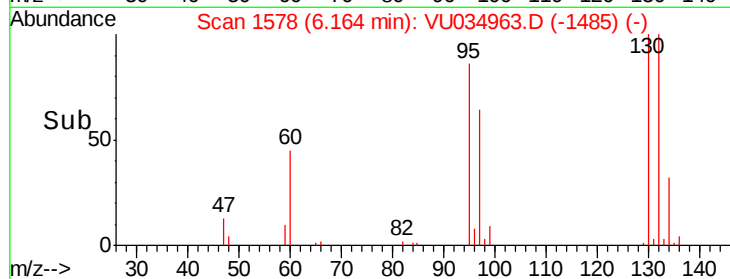
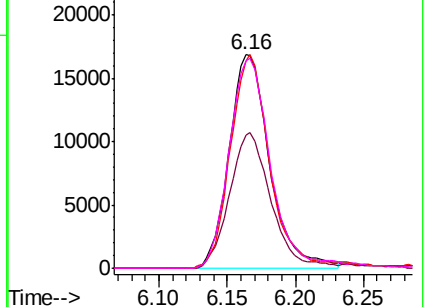


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.657 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

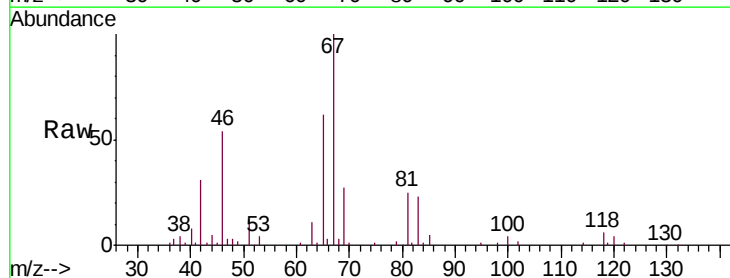
Tgt Ion: 83 Resp: 15057

Ion Ratio Lower Upper

83 100

55 0.8 62.4 93.6#

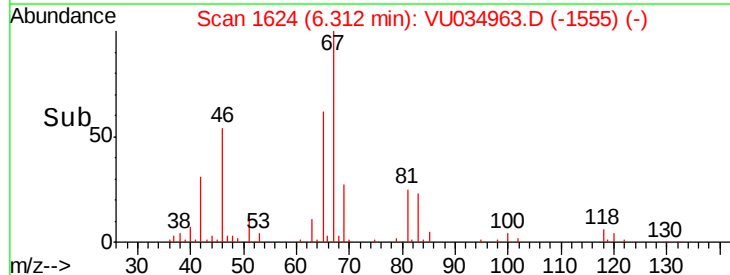
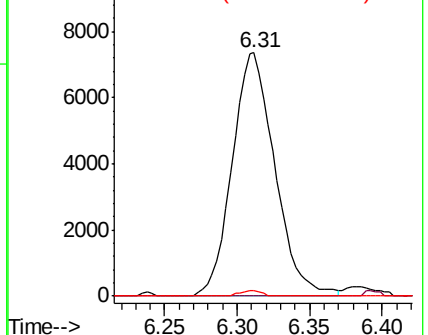
98 1.2 35.5 53.3#

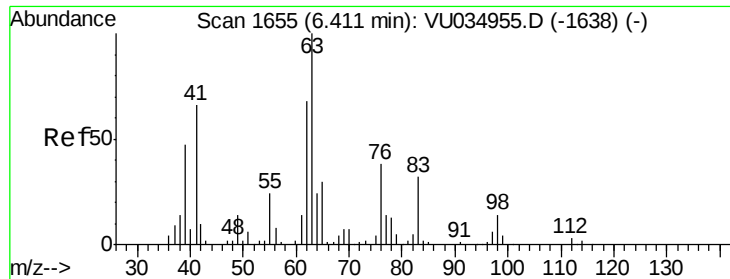


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

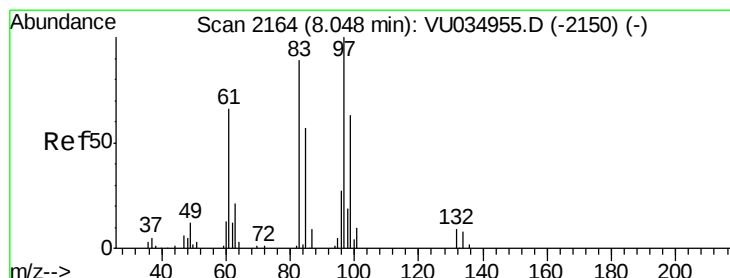
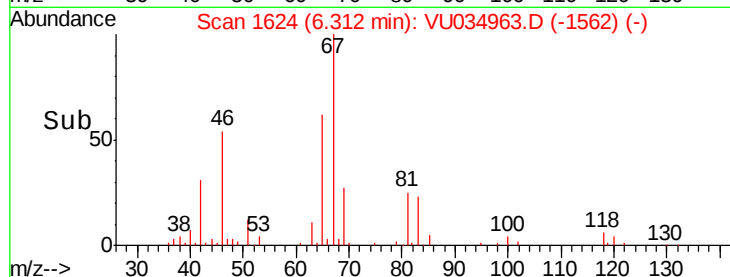
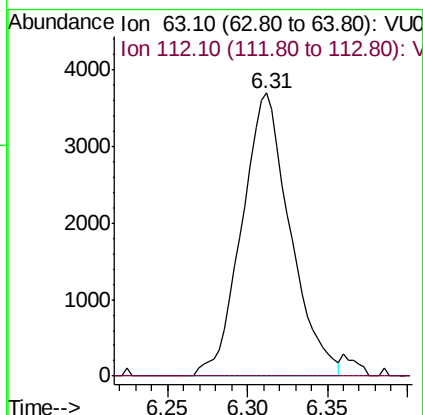
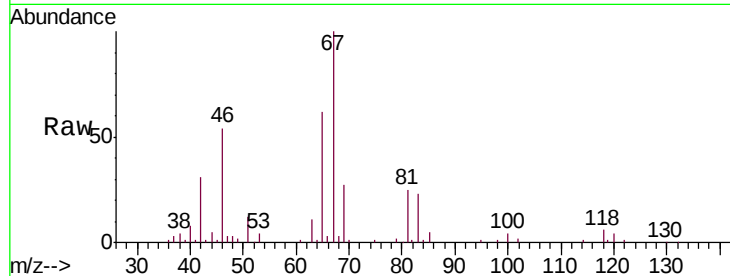




#37
 1,2-Dichloropropane
 Concen: 0.517 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU034963.D
 Acq: 07 Oct 2019 16:35

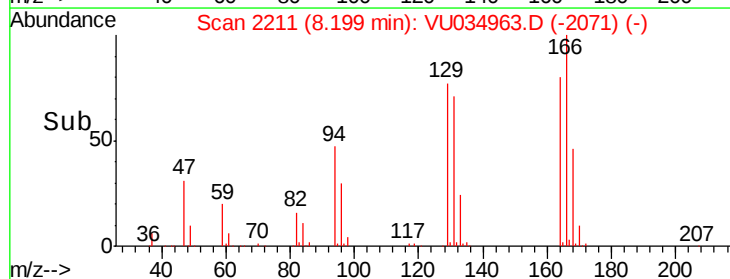
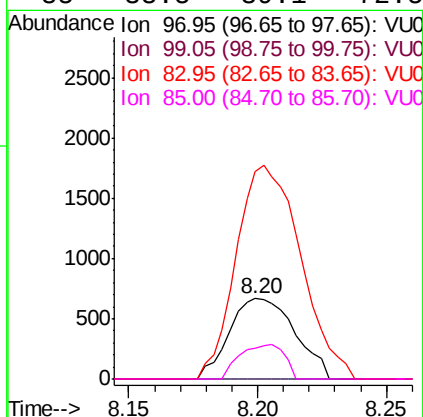
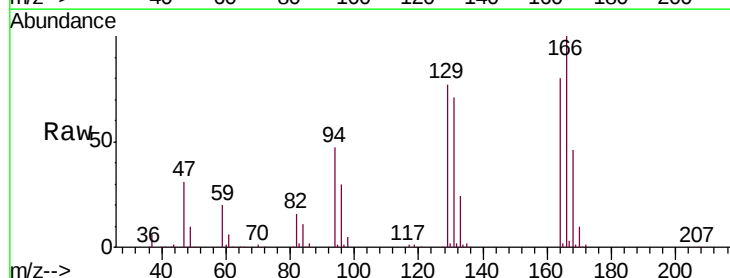
Instrument :
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 MW-12D-001-01

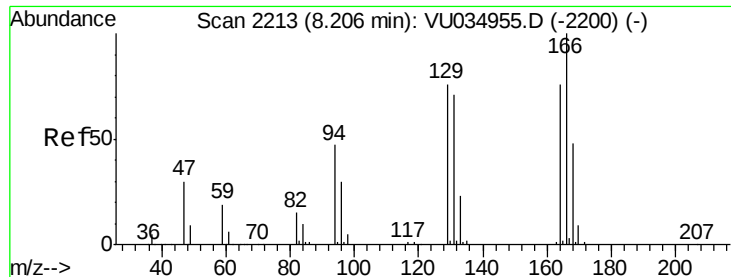
Tgt Ion: 63 Resp: 7655
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#45
 1,1,2-Trichloroethane
 Concen: 0.120 ug/L
 RT: 8.20 min Scan# 2211
 Delta R.T. 0.15 min
 Lab File: VU034963.D
 Acq: 07 Oct 2019 16:35

Tgt Ion: 97 Resp: 1184
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.8 79.6#
 83 257.7 62.2 115.6#
 85 38.5 39.1 72.5#

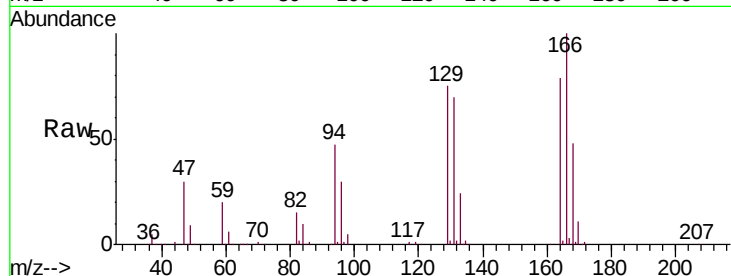




#47
Tetrachloroethene
Concen: 11.899 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034963.D
Acq: 07 Oct 2019 16:35

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

Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.5	123.5
131	88.4	63.3	117.7
166	126.9	91.6	170.2



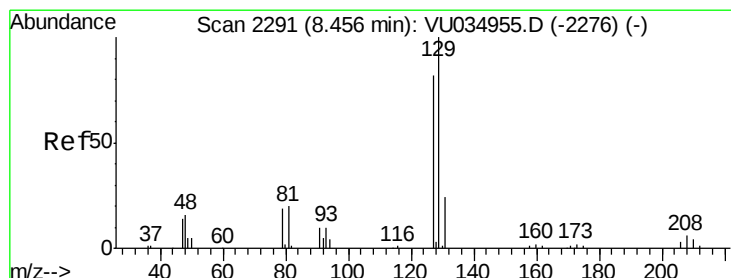
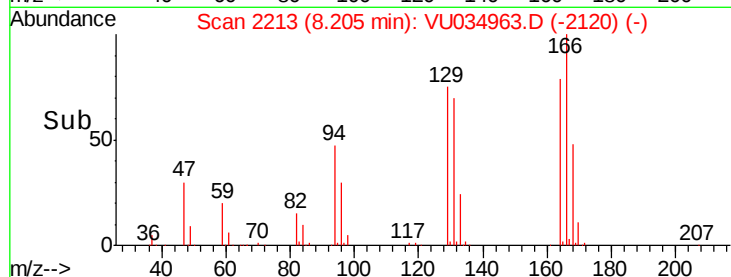
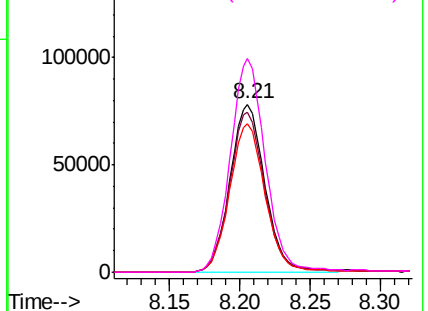
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

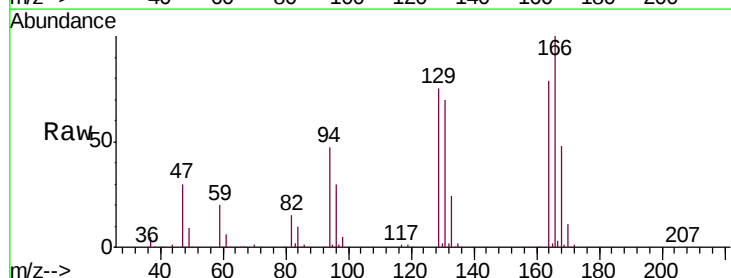
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49
Dibromochloromethane
Concen: 11.481 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU034963.D
Acq: 07 Oct 2019 16:35

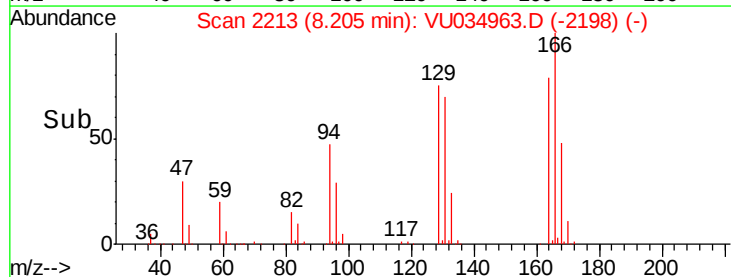
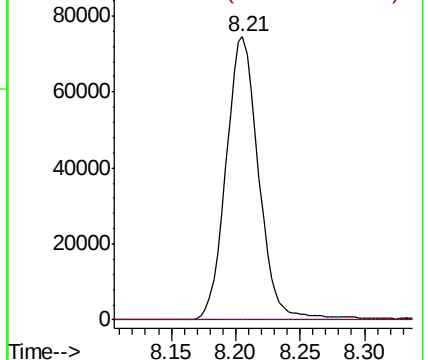
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	51.2	95.0#

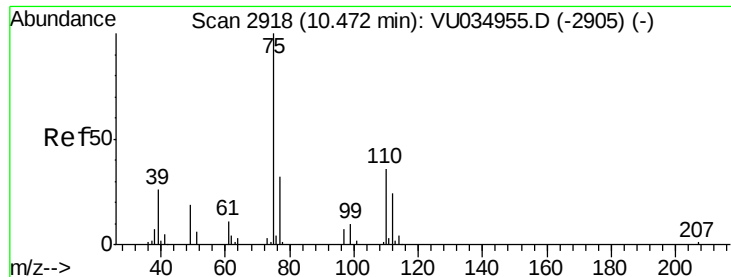


Abundance

Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.054 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

MW-12D-001-01

Tgt Ion: 75 Resp: 10106

Ion Ratio Lower Upper

75 100

77 34.5 25.8 38.6

