

Data File : VU035106.D
Acq On : 11 Oct 2019 21:59
Operator : JC/SP
Sample : K5310-12DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-21D-001-01DL

Quant Time: Oct 12 02:48:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	166118	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	173068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53829	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.68	69	51246	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	2.26	63	80765	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.17	46	152807	52.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.68%
24) Chloroform-d	4.62	84	98829	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.29	65	57276	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.32	84	200171	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.31	67	70354	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.55	98	169698	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.84	79	20816	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.30	63	112978	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55796	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	57162	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.40	62	9165	0.560	ug/L #	66
13) Acetone	2.32	43	2407	1.016	ug/L	79
16) Methylene chloride	2.68	84	1899	0.144	ug/L	79
17) Methyl tert-butyl Ether	2.99	73	10478	0.360	ug/L #	87
22) cis-1,2-Dichloroethene	4.20	96	43639	3.424	ug/L	87
25) Chloroform	4.66	83	8243	0.323	ug/L	91
34) Trichloroethene	6.17	95	8352	0.621	ug/L	94
35) Methylcyclohexane	6.31	83	14706	0.675	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	7894	0.561	ug/L #	88
59) 1,2,3-Trichloropropane	11.47	75	8274	0.909	ug/L	91

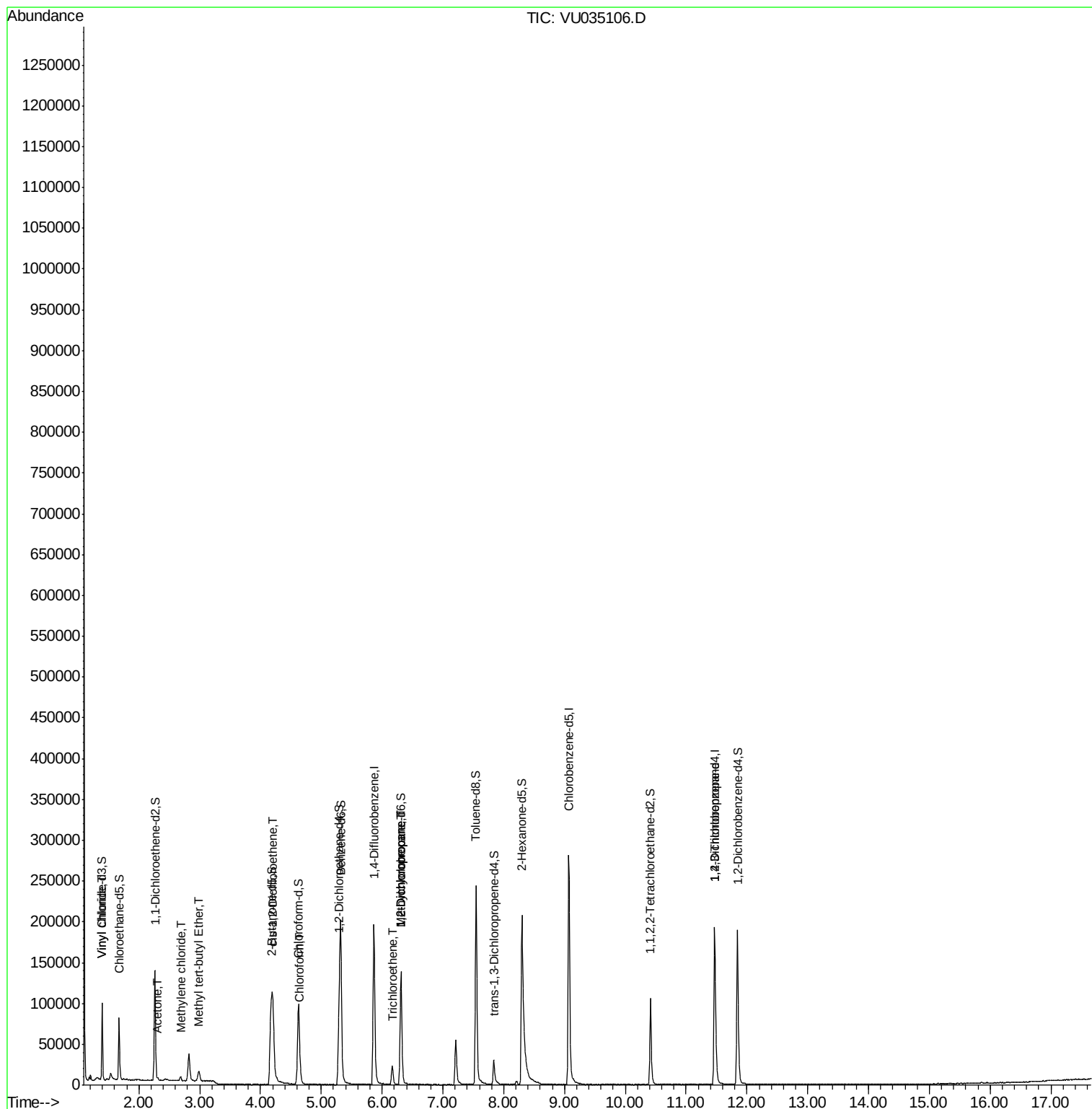
(#) = qualifier out of range (m) = manual integration (+) = signals summed

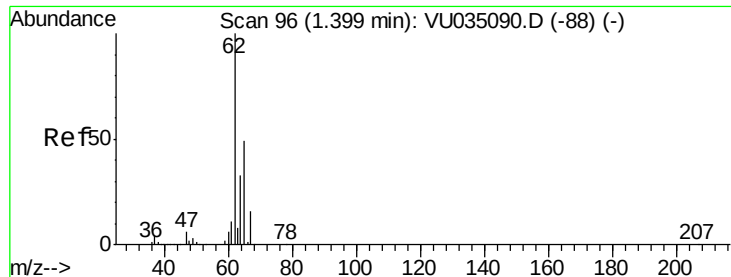
Data File : VU035106.D

```
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#5

Vinyl chloride

Concen: 0.560 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035106.D

Acq: 11 Oct 2019 21:59

Instrument :

MSVOA_U

ClientSampleId :

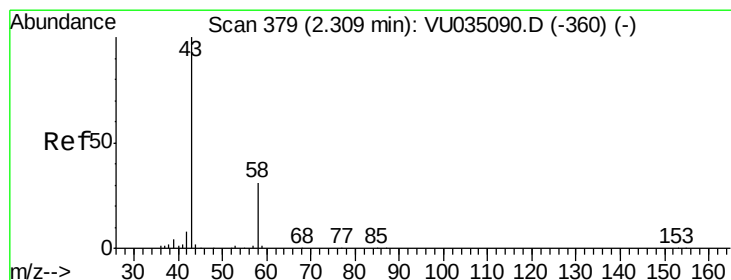
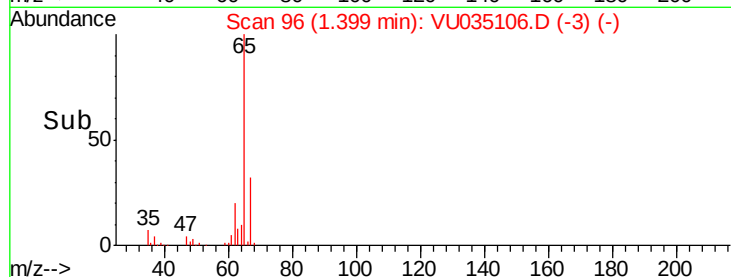
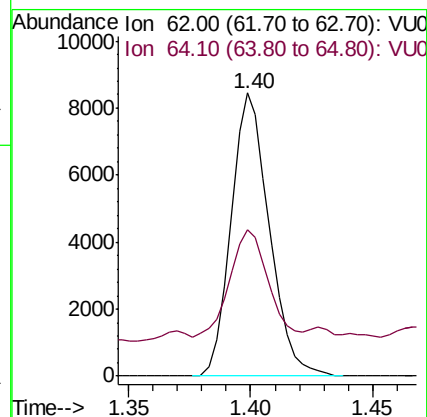
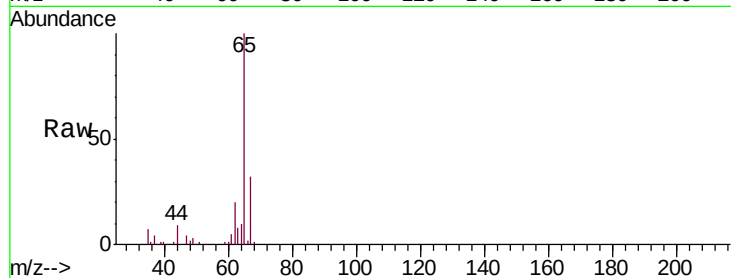
MW-21D-001-01DL

Tgt Ion: 62 Resp: 9165

Ion Ratio Lower Upper

62 100

64 51.8 22.8 42.4#



#13

Acetone

Concen: 1.016 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU035106.D

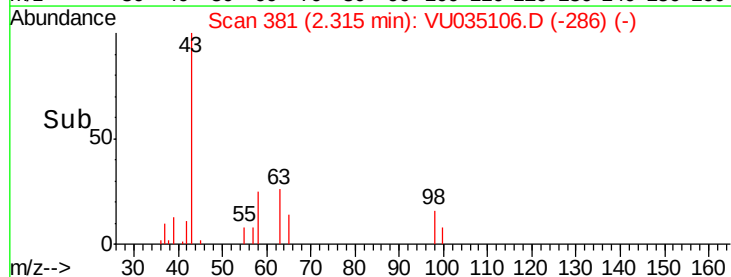
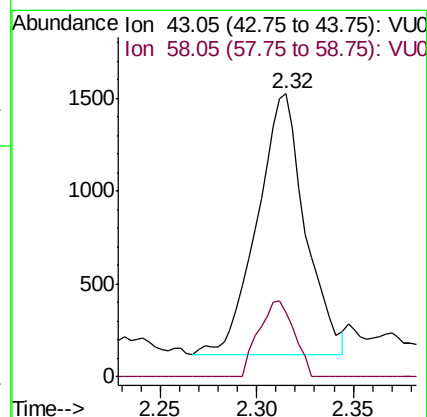
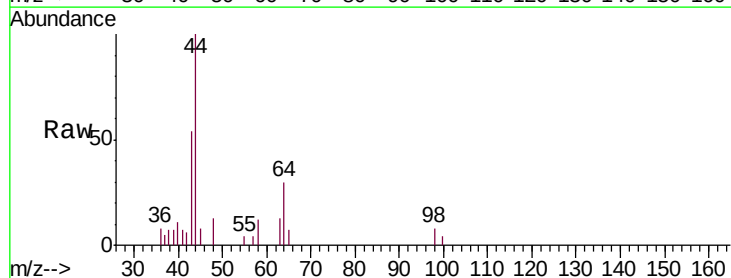
Acq: 11 Oct 2019 21:59

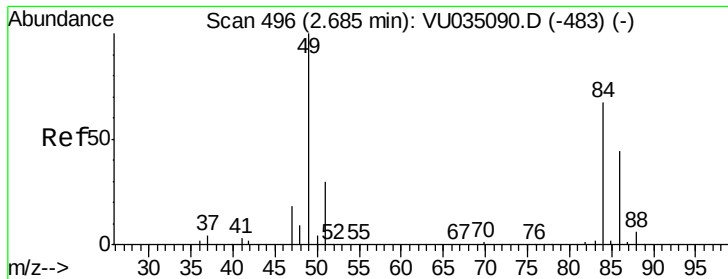
Tgt Ion: 43 Resp: 2407

Ion Ratio Lower Upper

43 100

58 21.5 0.0 66.6

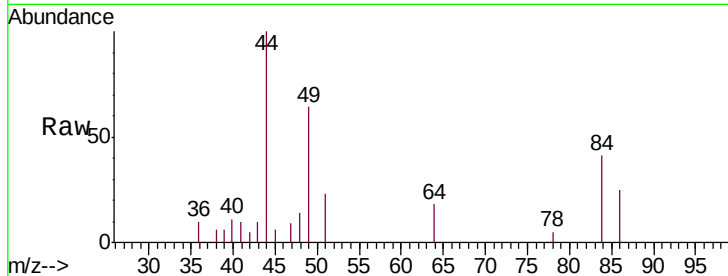




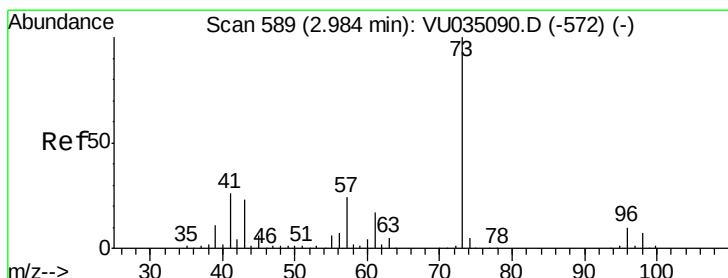
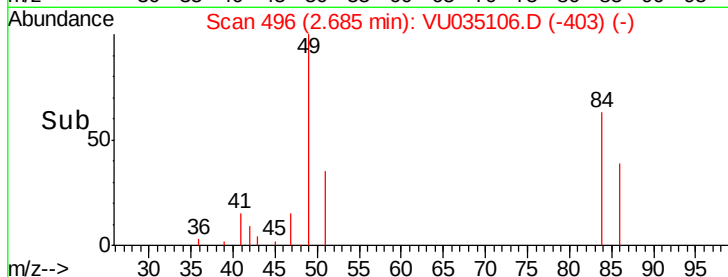
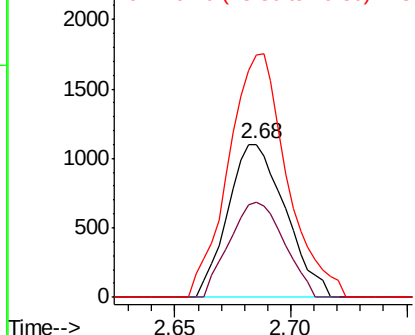
#16
Methylene chloride
Concen: 0.144 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU035106.D
Acq: 11 Oct 2019 21:59

Instrument :
MSVOA_U
ClientSampleId :
MW-21D-001-01DL

Tgt Ion: 84 Resp: 1899
Ion Ratio Lower Upper
84 100
86 62.0 42.5 78.9
49 158.4 86.9 161.3

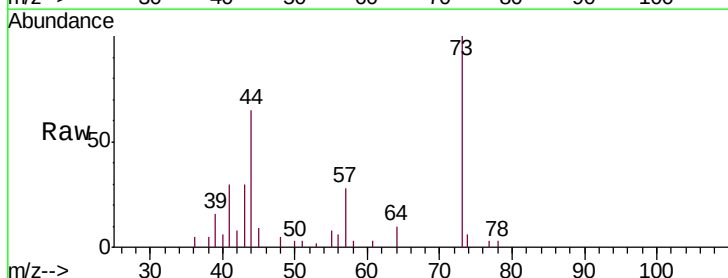


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

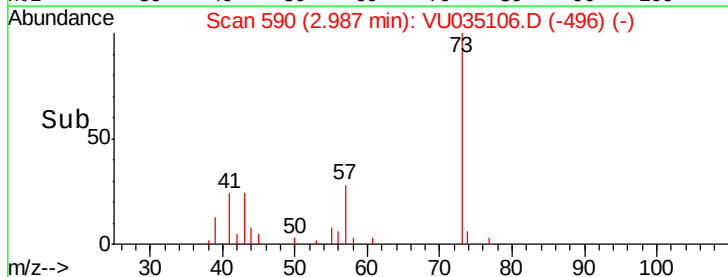
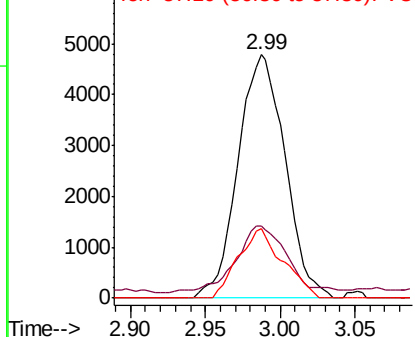


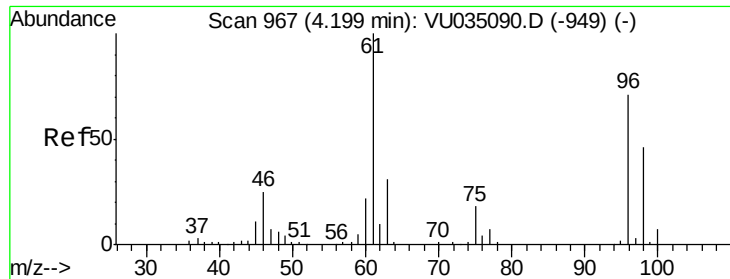
#17
Methyl tert-butyl Ether
Concen: 0.360 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035106.D
Acq: 11 Oct 2019 21:59

Tgt Ion: 73 Resp: 10478
Ion Ratio Lower Upper
73 100
43 28.8 16.3 24.5#
57 27.0 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 3.424 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035106.D

Acq: 11 Oct 2019 21:59

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01DL

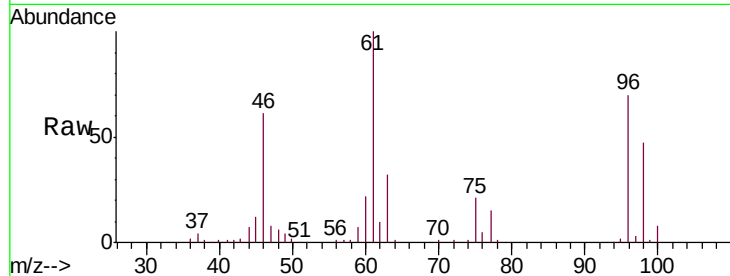
Tgt Ion: 96 Resp: 43639

Ion Ratio Lower Upper

96 100

61 142.6 89.2 165.6

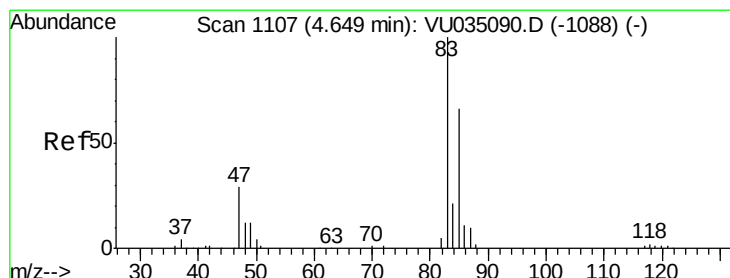
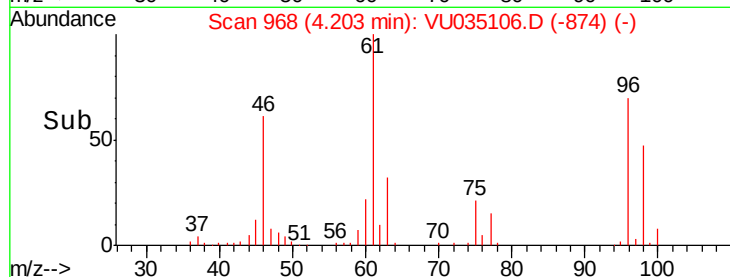
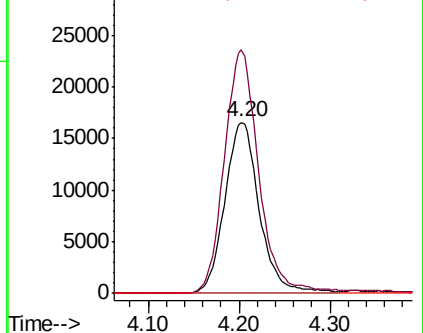
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035106.D (-968) (-)

Ion 61.05 (60.75 to 61.75): VU035106.D (-968) (-)

Ion 68.15 (67.85 to 68.85): VU035106.D (-968) (-)



#25

Chloroform

Concen: 0.323 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU035106.D

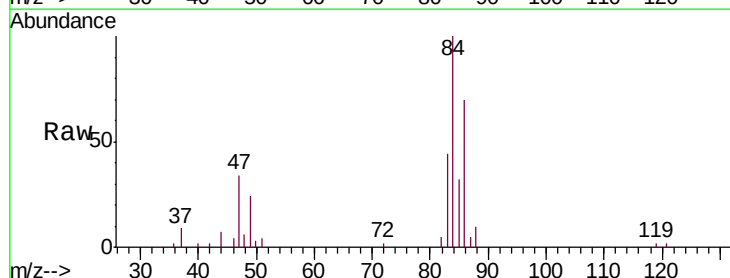
Acq: 11 Oct 2019 21:59

Tgt Ion: 83 Resp: 8243

Ion Ratio Lower Upper

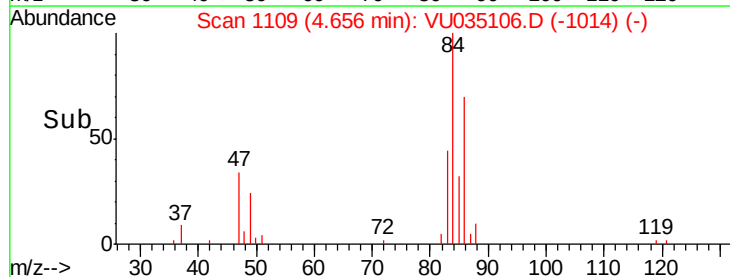
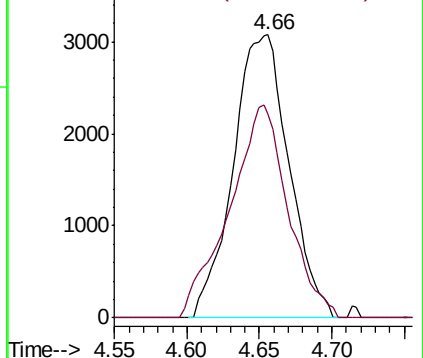
83 100

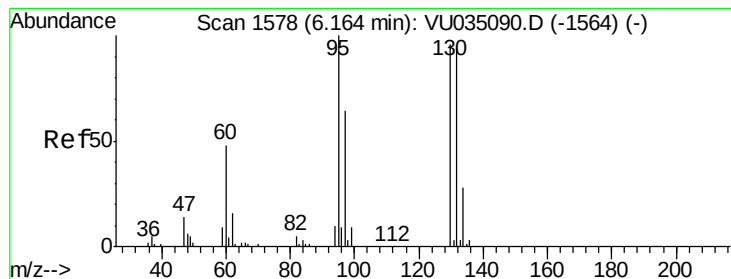
85 72.1 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035106.D (-1109) (-)

Ion 85.00 (84.70 to 85.70): VU035106.D (-1109) (-)





#34

Trichloroethene

Concen: 0.621 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035106.D

Acq: 11 Oct 2019 21:59

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01DL

Tgt Ion: 95 Resp: 8352

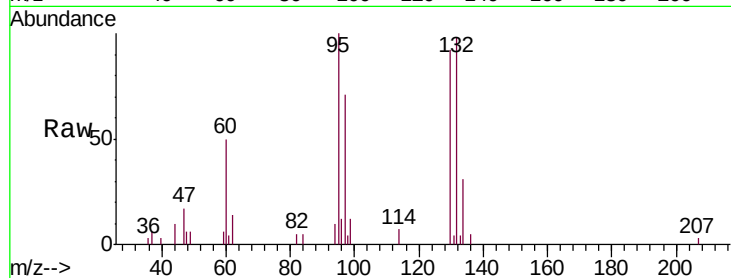
Ion Ratio Lower Upper

95 100

97 71.0 44.5 82.7

132 97.9 66.6 123.8

130 92.3 68.9 127.9

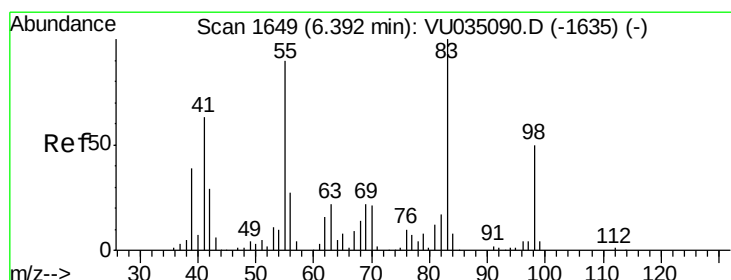
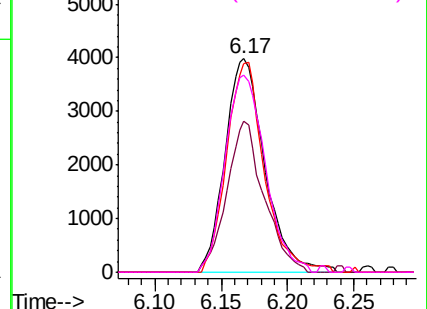
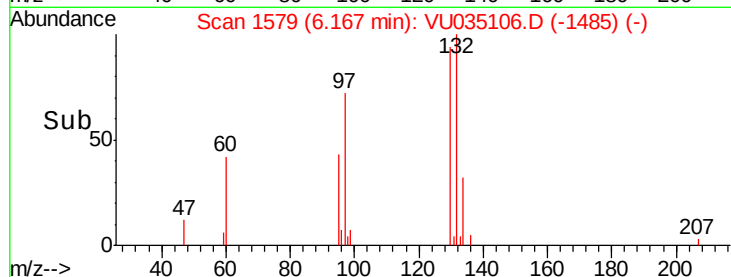


Abundance Ion 95.00 (94.70 to 95.70): VU035090.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035090.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035090.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035090.D (-1564) (-)



#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035106.D

Acq: 11 Oct 2019 21:59

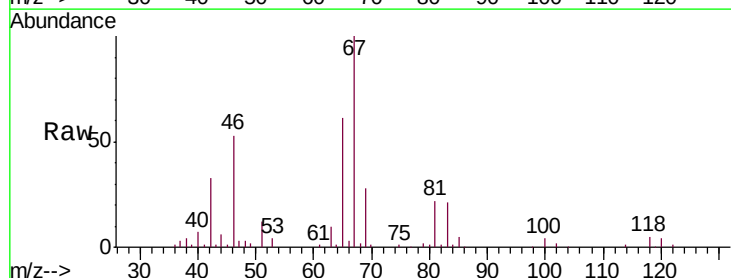
Tgt Ion: 83 Resp: 14706

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

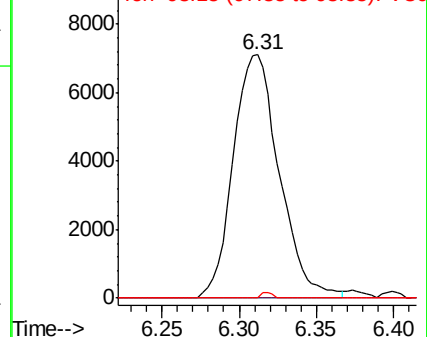
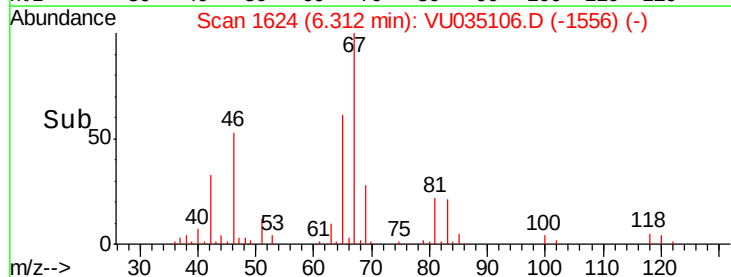
98 0.6 36.2 54.2#

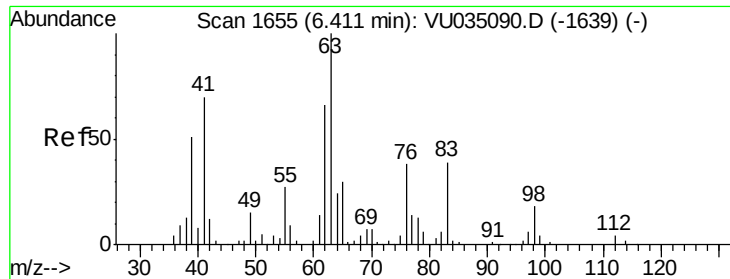


Abundance Ion 83.15 (82.85 to 83.85): VU035090.D (-1635) (-)

Ion 55.10 (54.80 to 55.80): VU035090.D (-1635) (-)

Ion 98.15 (97.85 to 98.85): VU035090.D (-1635) (-)

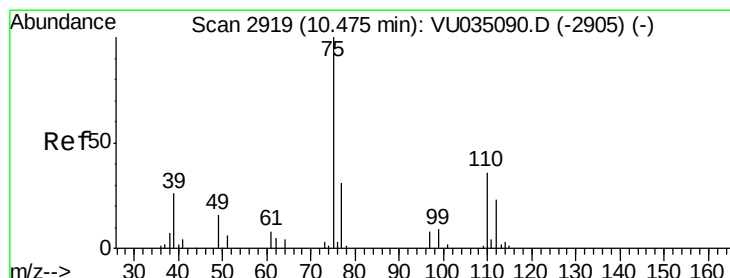
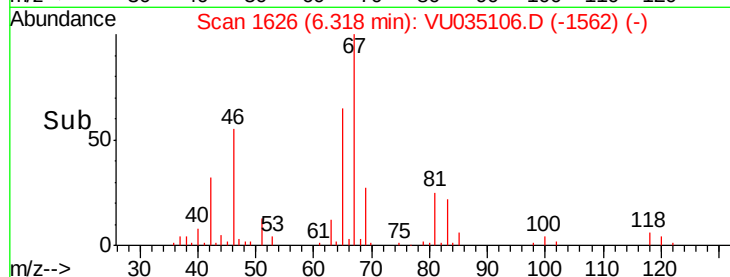
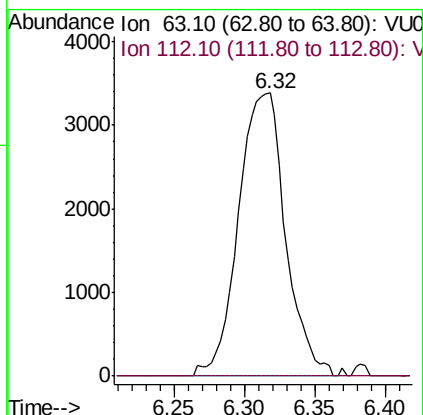
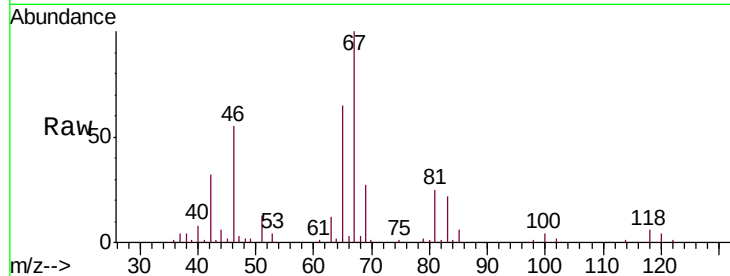




#37
 1,2-Dichloropropane
 Concen: 0.561 ug/L
 RT: 6.32 min Scan# 1626
 Delta R.T. -0.09 min
 Lab File: VU035106.D
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 MW-21D-001-01DL

Tgt Ion: 63 Resp: 7894
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#59
 1,2,3-Trichloropropane
 Concen: 0.909 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU035106.D
 Acq: 11 Oct 2019 21:59

Tgt Ion: 75 Resp: 8274
 Ion Ratio Lower Upper
 75 100
 77 38.2 26.5 39.7

