

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
 Data File : VU035085.D
 Acq On : 11 Oct 2019 13:10
 Operator : JC/SP
 Sample : K5310-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-14-001-01

Quant Time: Oct 12 02:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 12 01:49:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	162778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	173285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	63924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55694	5.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.80%
7) Chloroethane-d5	1.68	69	52151	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.26	63	82154	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.17	46	144506	51.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	4.62	84	93852	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.29	65	56486	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.32	84	200746	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.31	67	68229	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.55	98	179269	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.84	79	20071	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	104577	44.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56670	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	59077	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

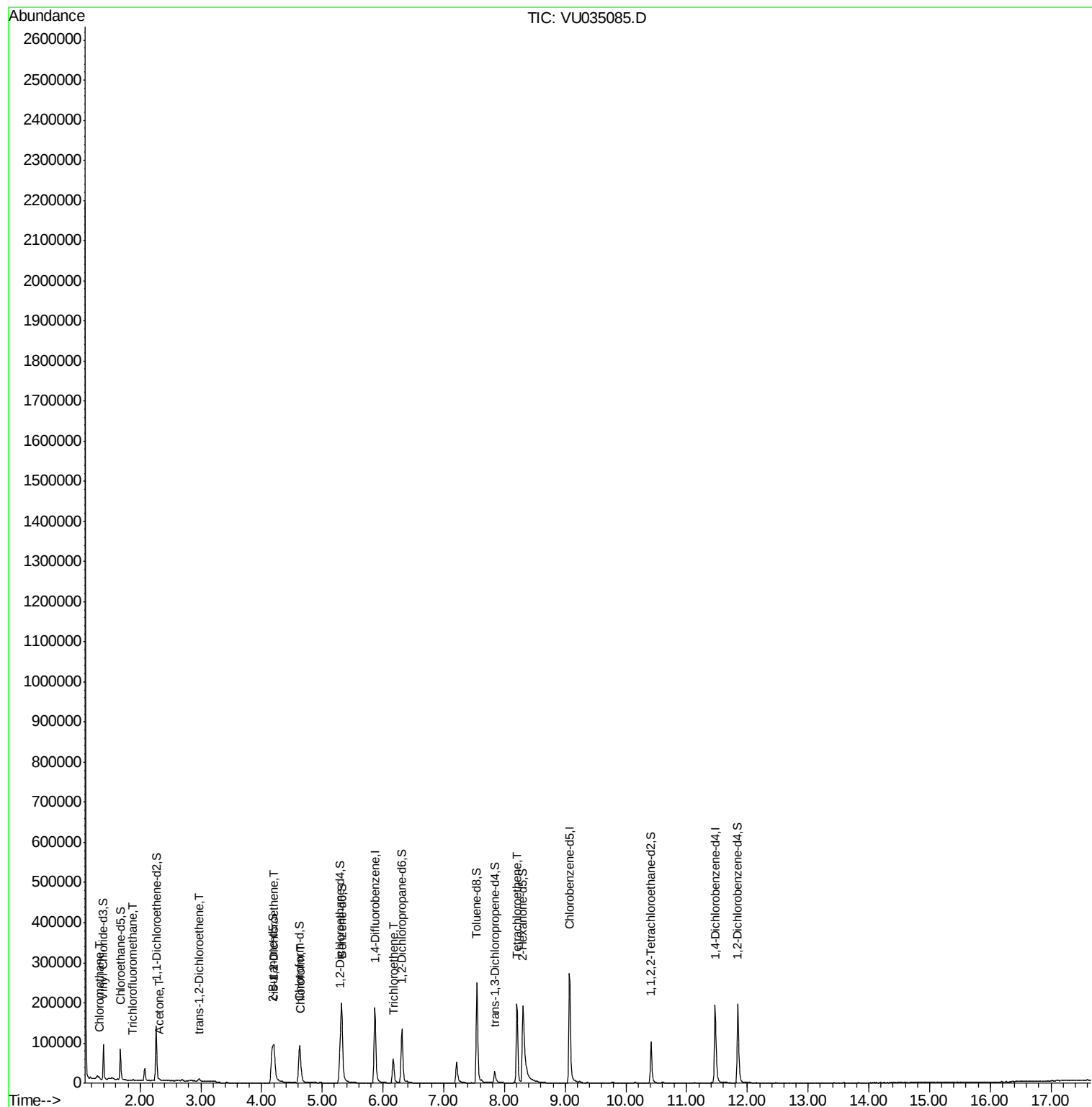
					Ovalue
3) Chloromethane	1.32	50	2386	0.146 ug/L	98
9) Trichlorofluoromethane	1.88	101	1949	0.101 ug/L	97
13) Acetone	2.31	43	3882	1.673 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	2035	0.182 ug/L #	82
22) cis-1,2-Dichloroethene	4.20	96	38762	3.104 ug/L	93
25) Chloroform	4.65	83	13262	0.530 ug/L	99
34) Trichloroethene	6.16	95	22986	1.708 ug/L	99
47) Tetrachloroethene	8.21	164	44636	4.096 ug/L	96

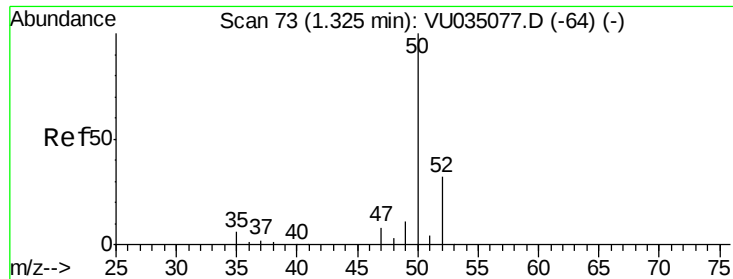
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.146 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

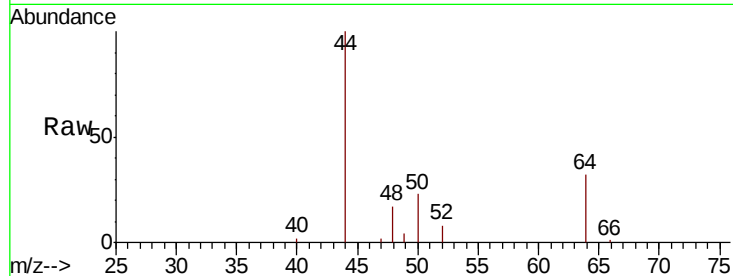
MW-14-001-01

Tot Ion: 50 Resp: 2386

Ion Ratio Lower Upper

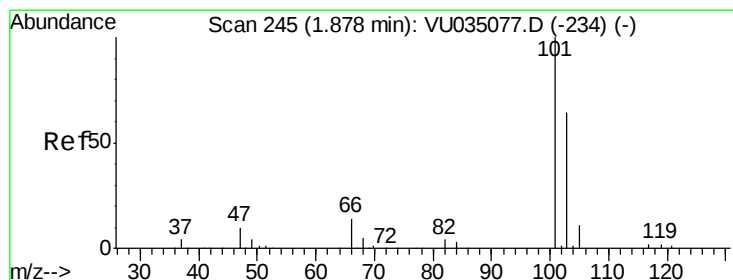
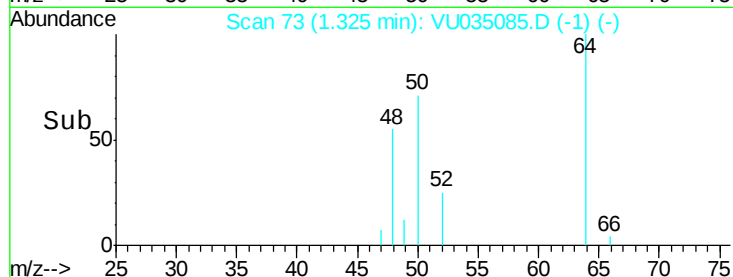
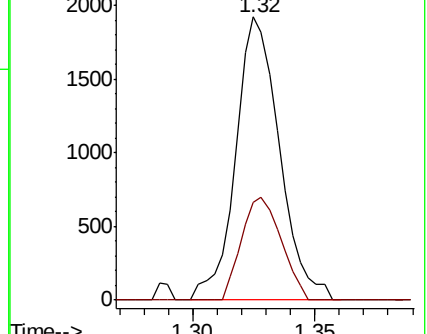
50 100

52 34.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035085.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035085.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.101 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035085.D

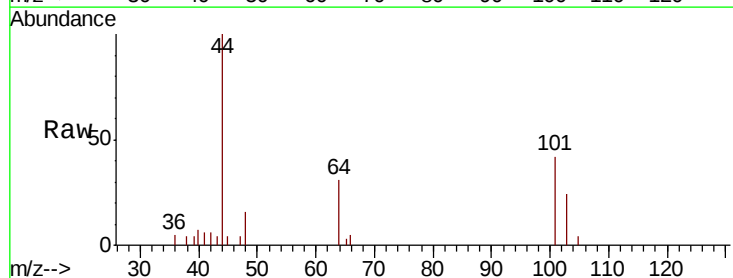
Acq: 11 Oct 2019 13:10

Tgt Ion:101 Resp: 1949

Ion Ratio Lower Upper

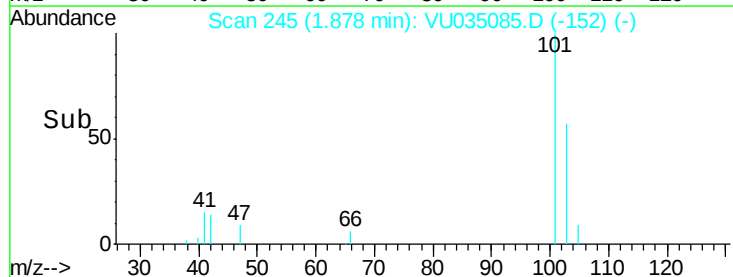
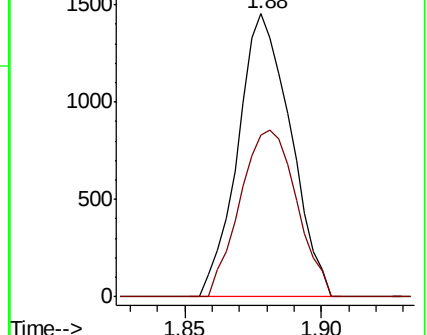
101 100

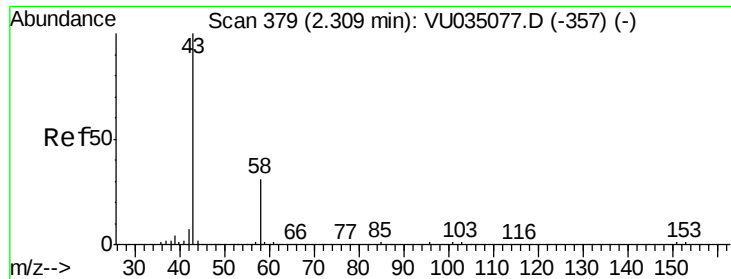
103 63.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035085.D (-152) (-)

Ion 103.00 (102.70 to 103.70): VU035085.D (-152) (-)





#13

Acetone

Concen: 1.673 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

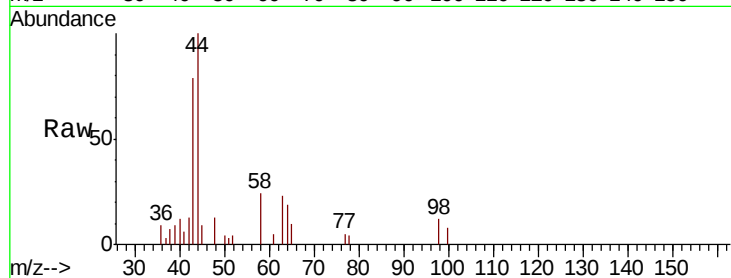
MW-14-001-01

Tot Ion: 43 Resp: 3882

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035085.D (-380) (-)

Ion 58.05 (57.75 to 58.75): VU035085.D (-380) (-)

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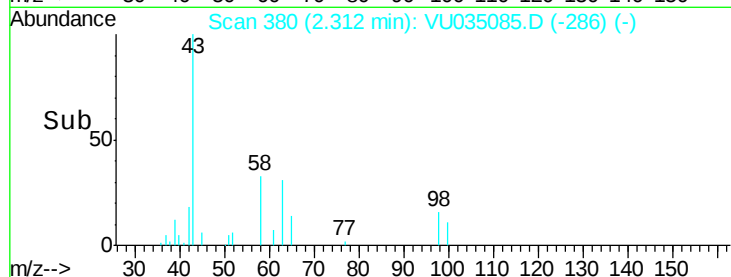
2.31

2.31

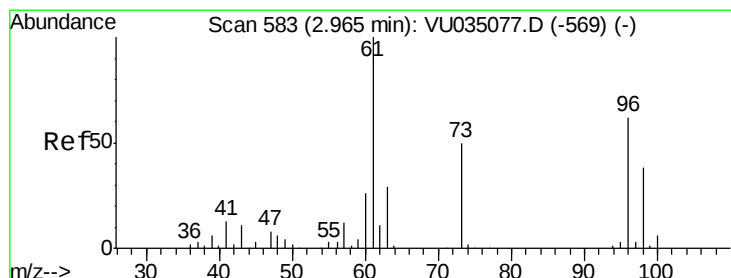
2.31

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Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.182 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

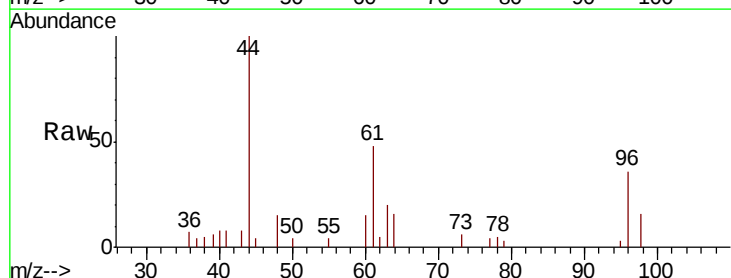
Tgt Ion: 96 Resp: 2035

Ion Ratio Lower Upper

96 100

61 133.2 107.1 198.9

98 44.7 45.4 84.4#



Abundance Ion 96.00 (95.70 to 96.70): VU035085.D (-584) (-)

Ion 61.05 (60.75 to 61.75): VU035085.D (-584) (-)

Ion 97.95 (97.65 to 98.65): VU035085.D (-584) (-)

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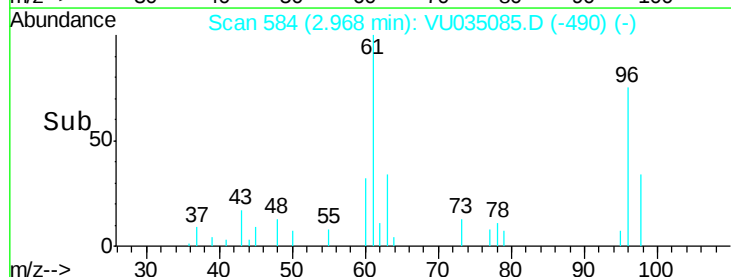
2.97

2.97

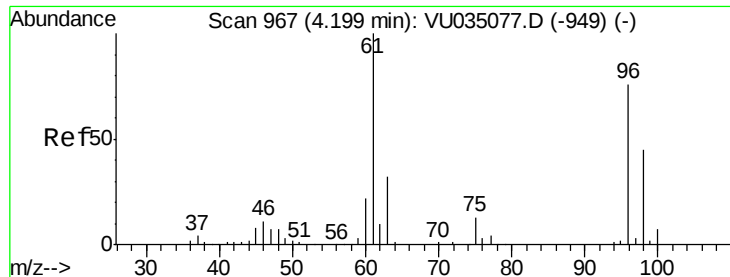
2.97

2.97

2.97



Time-->



#22

cis-1,2-Dichloroethene

Concen: 3.104 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

MW-14-001-01

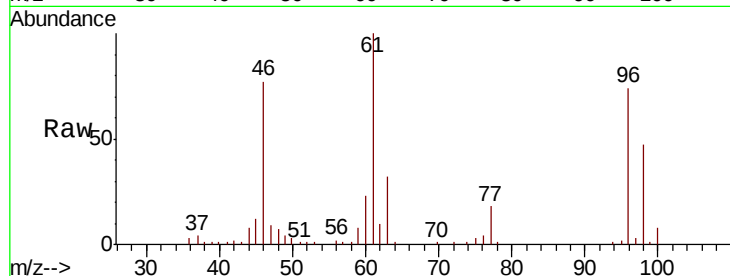
Tot Ion: 96 Resp: 38762

Ion Ratio Lower Upper

96 100

61 135.5 89.2 165.6

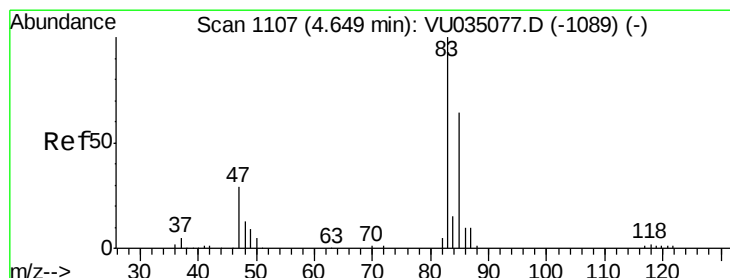
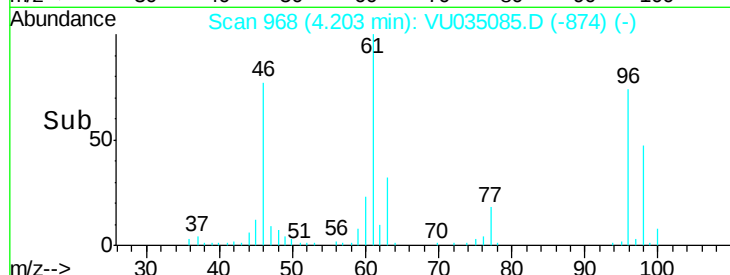
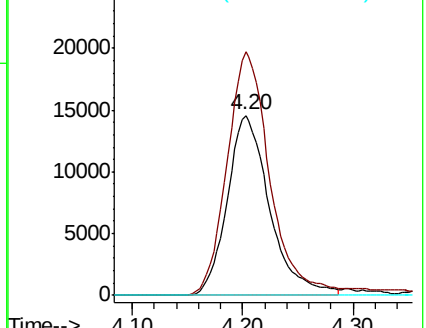
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035085.D (-968) (-)

Ion 61.05 (60.75 to 61.75): VU035085.D (-968) (-)

Ion 68.15 (67.85 to 68.85): VU035085.D (-968) (-)



#25

Chloroform

Concen: 0.530 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035085.D

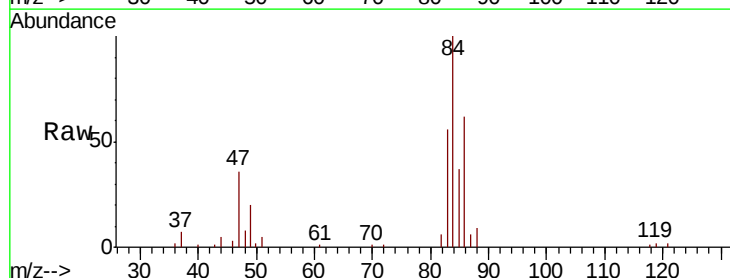
Acq: 11 Oct 2019 13:10

Tgt Ion: 83 Resp: 13262

Ion Ratio Lower Upper

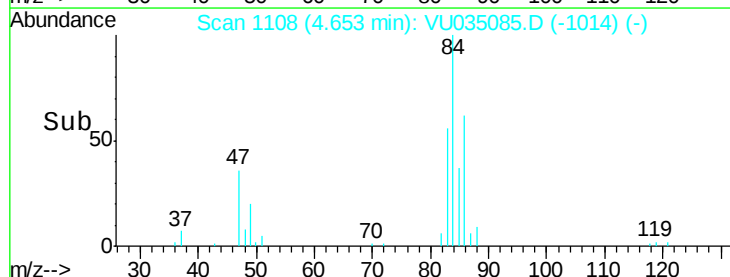
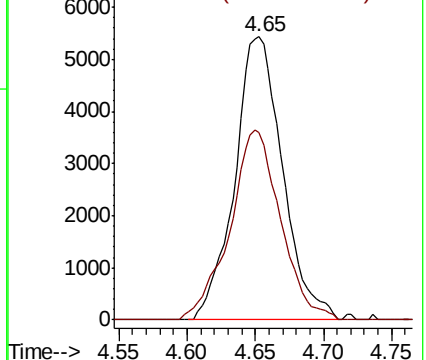
83 100

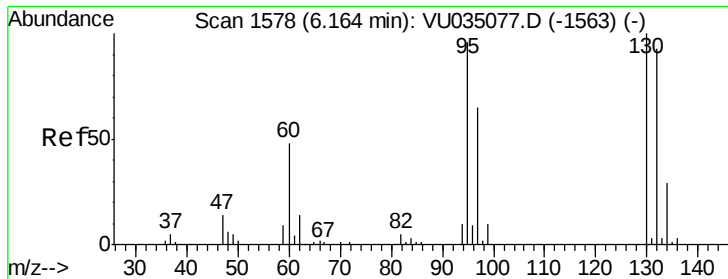
85 66.0 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035085.D (-1108) (-)

Ion 85.00 (84.70 to 85.70): VU035085.D (-1108) (-)





#34

Trichloroethene

Concen: 1.708 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

MW-14-001-01

Tot Ion: 95 Resp: 22986

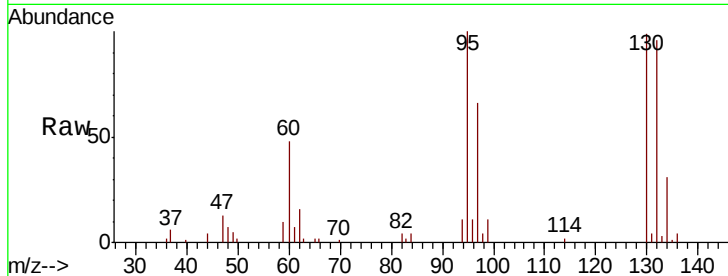
Ion Ratio Lower Upper

95 100

97 66.1 44.5 82.7

132 96.0 66.6 123.8

130 99.4 68.9 127.9

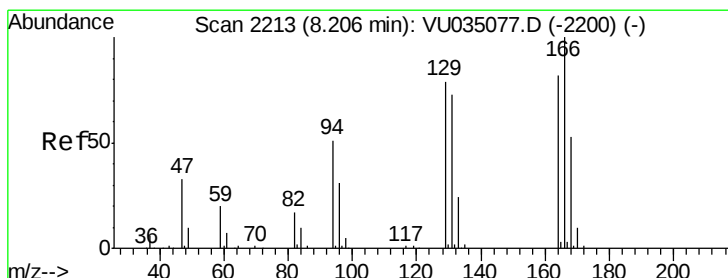
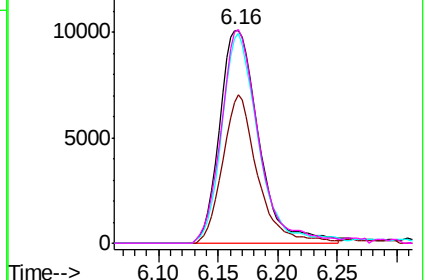
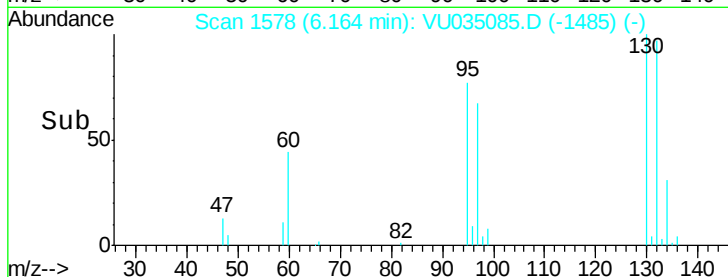


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 4.096 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035085.D

Acq: 11 Oct 2019 13:10

Tgt Ion:164 Resp: 44636

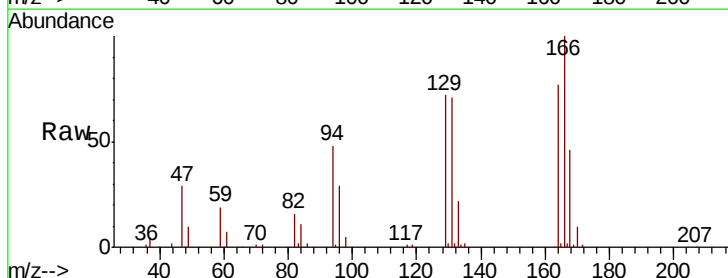
Ion Ratio Lower Upper

164 100

129 93.4 68.5 127.1

131 91.6 67.3 124.9

166 129.2 93.1 172.9



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

