

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035088.D
 Acq On : 11 Oct 2019 14:23
 Operator : JC/SP
 Sample : K5310-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 12 02:36:03 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	5.87	114	156702	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	165165	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	61355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53218	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.68	69	49326	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.00%
11) 1,1-Dichloroethene-d2	2.26	63	76299	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.17	46	140383	51.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.92%
24) Chloroform-d	4.62	84	78521	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.29	65	52633	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.32	84	187560	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.31	67	65938	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.55	98	167471	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.84	79	19584	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.30	63	97362	43.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.86%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	54466	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	55633	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

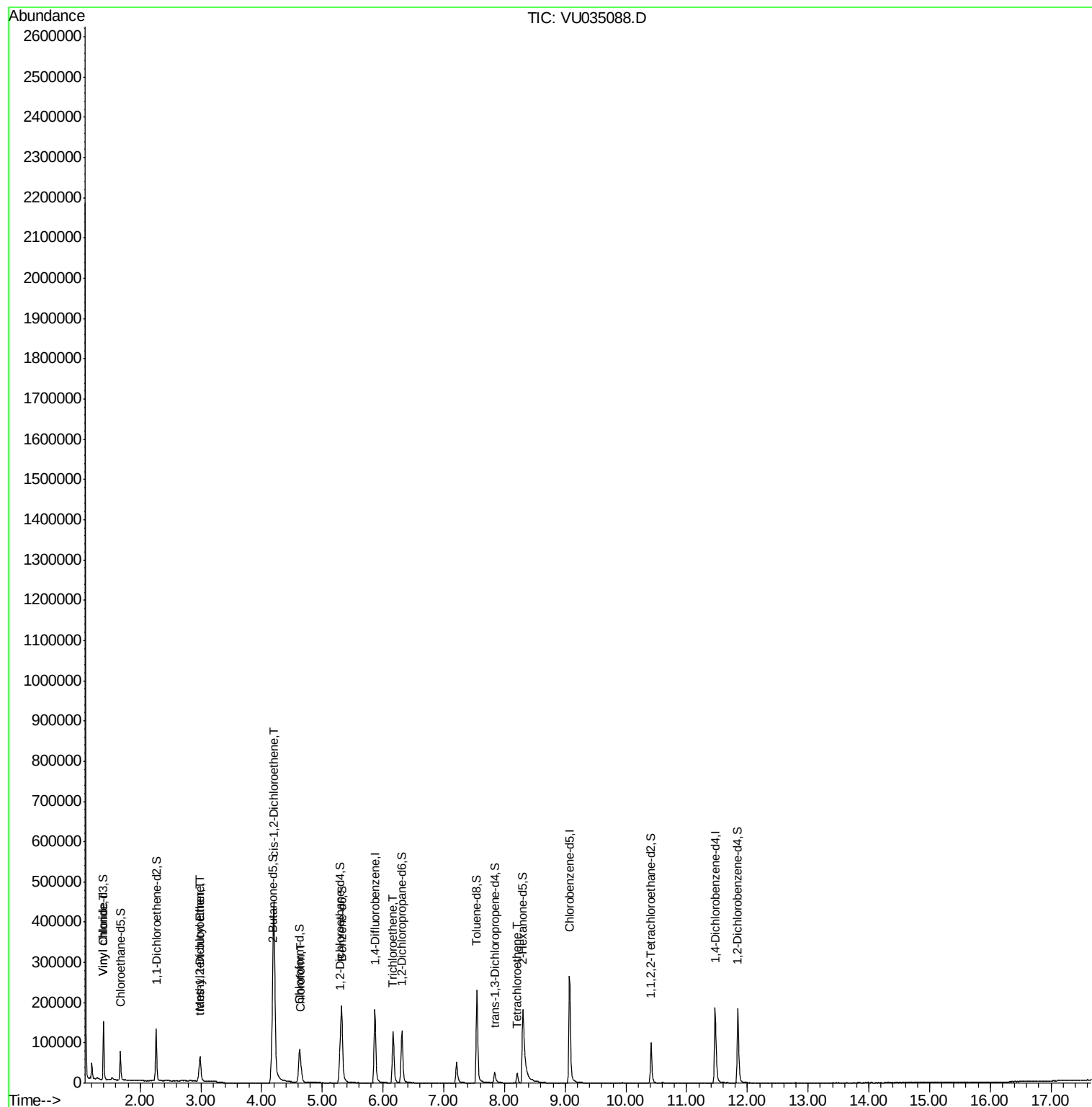
					Ovalue
5) Vinyl chloride	1.40	62	49146	3.185	ug/L 94
17) Methyl tert-butyl Ether	2.98	73	57838	2.106	ug/L 94
18) trans-1,2-Dichloroethene	2.97	96	1996	0.185	ug/L 84
22) cis-1,2-Dichloroethene	4.20	96	249713	20.771	ug/L 89
25) Chloroform	4.65	83	18439	0.766	ug/L 95
34) Trichloroethene	6.17	95	46791	3.647	ug/L 97
47) Tetrachloroethene	8.21	164	5227	0.503	ug/L 96

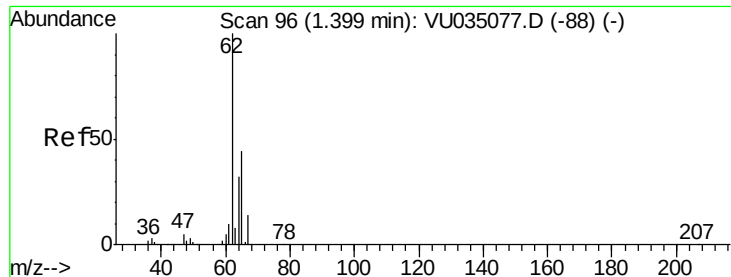
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.185 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035088.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

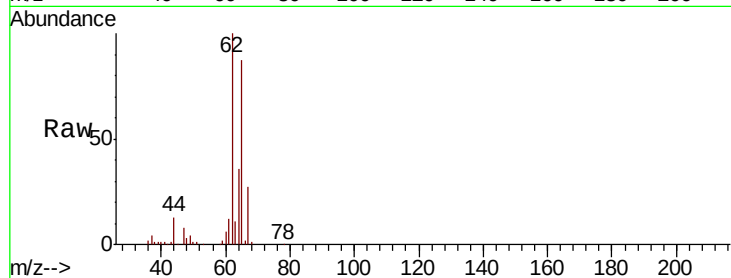
MW-21D-001-01

Tot Ion: 62 Resp: 49146

Ion Ratio Lower Upper

62 100

64 35.8 22.8 42.4

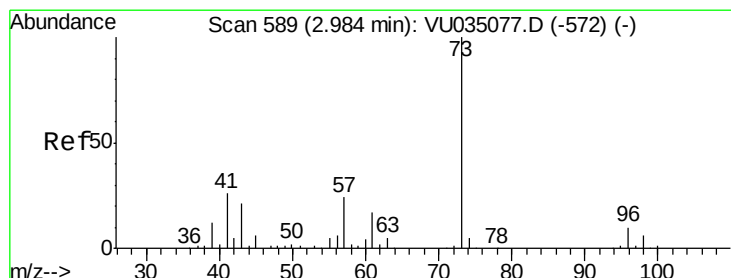
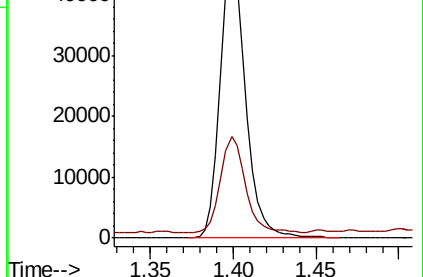
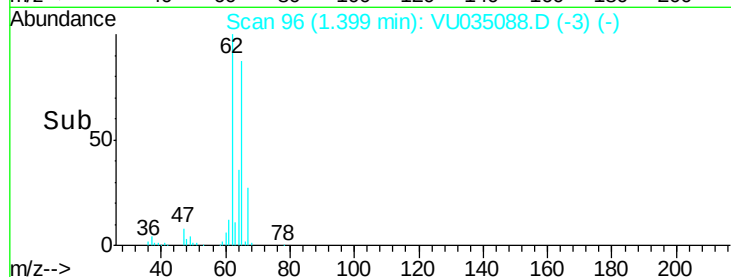


Abundance Ion 62.00 (61.70 to 62.70): VU035077.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035077.D (-88) (-)

1.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 2.106 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU035088.D

Acq: 11 Oct 2019 14:23

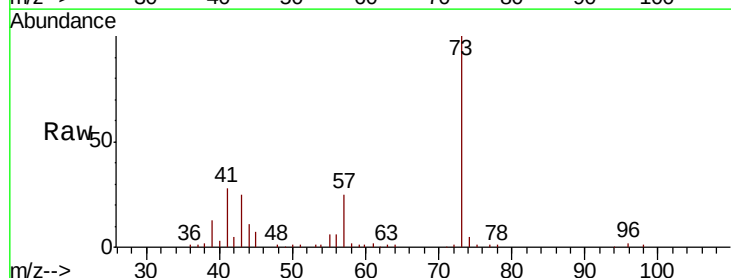
Tgt Ion: 73 Resp: 57838

Ion Ratio Lower Upper

73 100

43 24.4 16.3 24.5

57 24.8 18.6 28.0



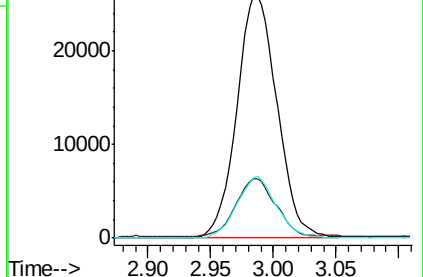
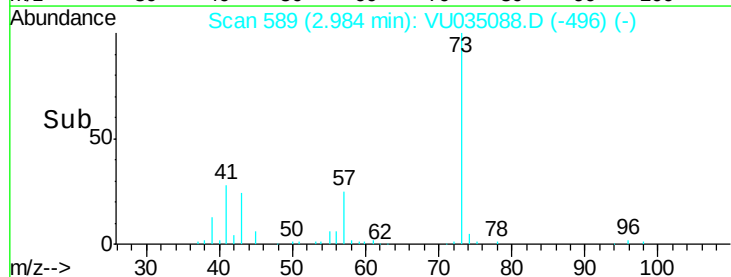
Abundance Ion 73.10 (72.80 to 73.80): VU035077.D (-572) (-)

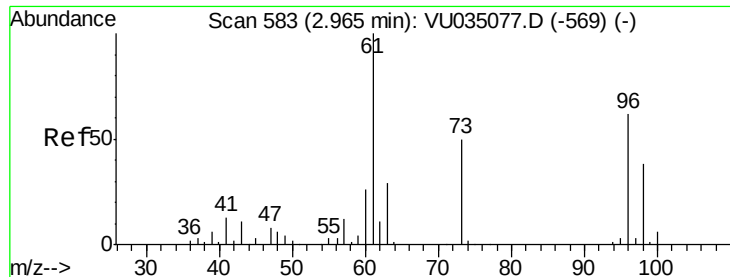
Ion 43.05 (42.75 to 43.75): VU035077.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU035077.D (-572) (-)

2.98

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.185 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU035088.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01

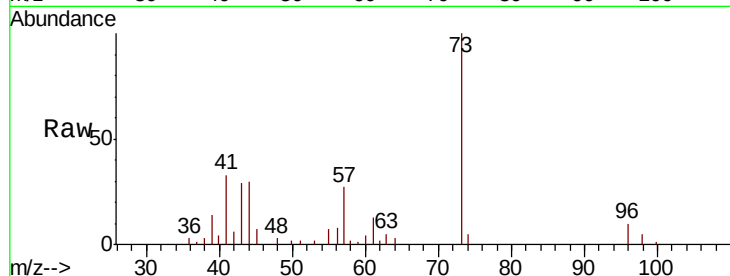
Tot Ion: 96 Resp: 1996

Ion Ratio Lower Upper

96 100

61 134.0 107.1 198.9

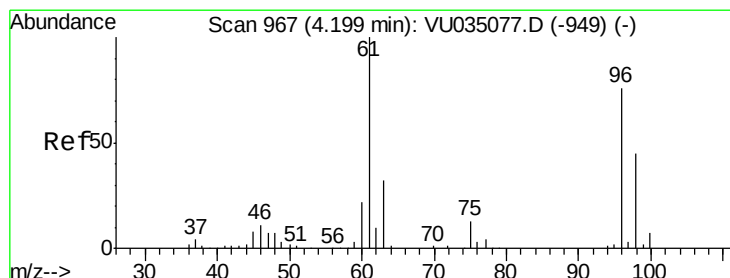
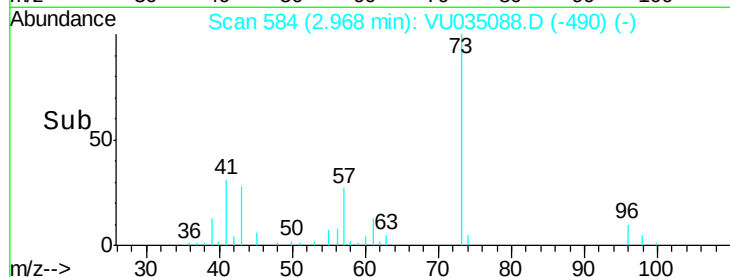
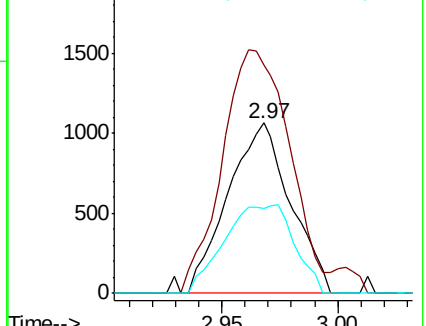
98 50.0 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035077.D (-569) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.771 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035088.D

Acq: 11 Oct 2019 14:23

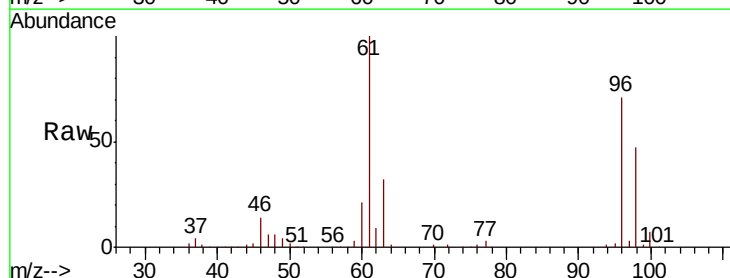
Tgt Ion: 96 Resp: 249713

Ion Ratio Lower Upper

96 100

61 139.9 89.2 165.6

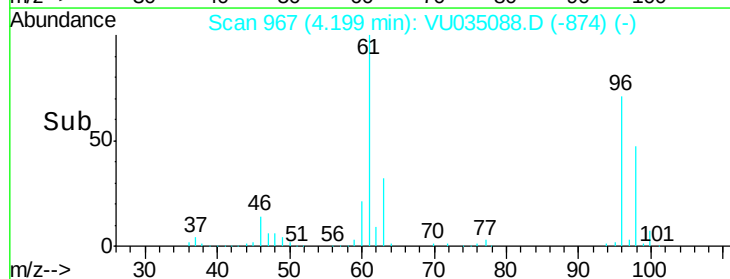
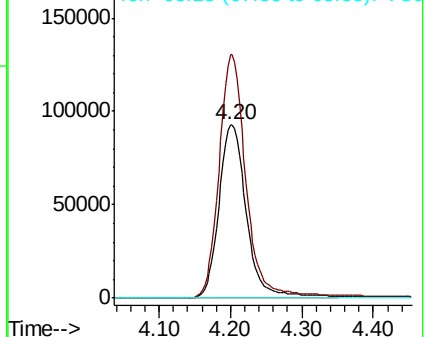
68 0.0 0.0 0.0

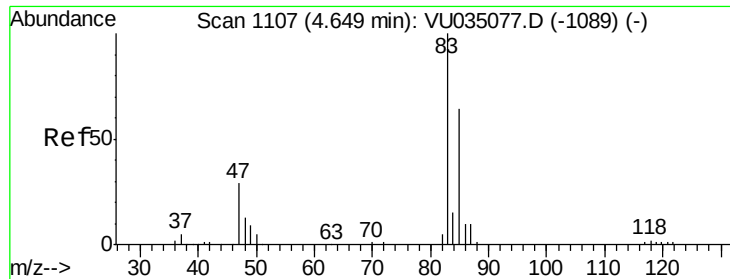


Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU035077.D (-949) (-)

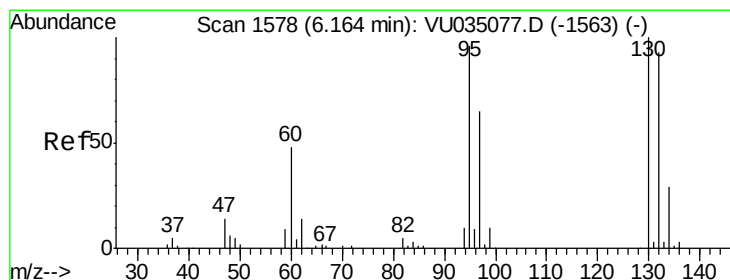
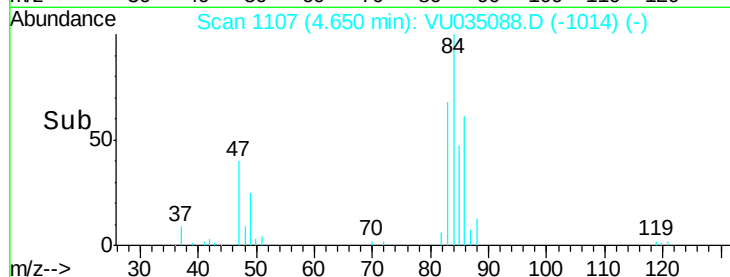
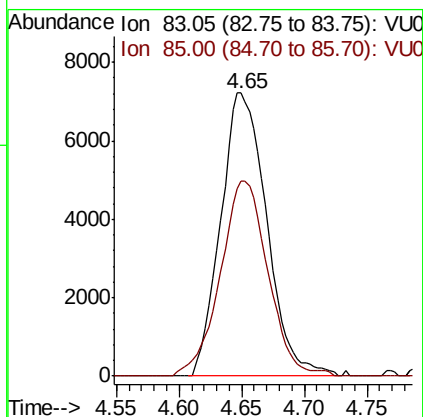
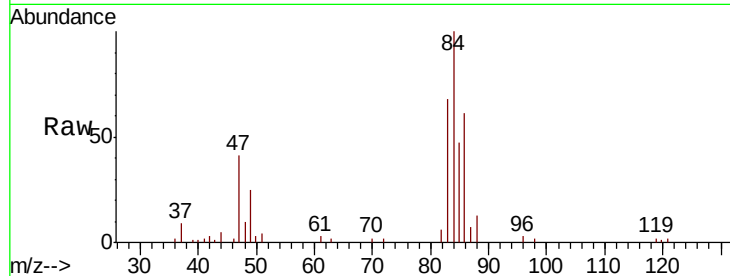




#25
Chloroform
Concen: 0.766 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035088.D
Acq: 11 Oct 2019 14:23

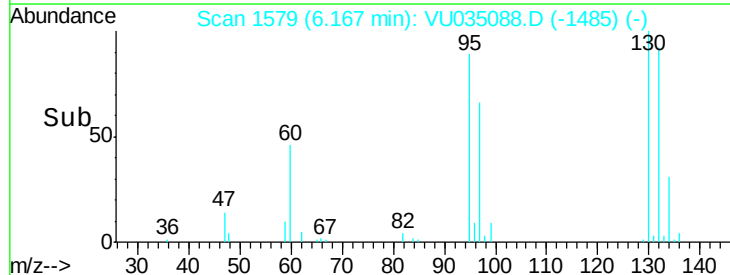
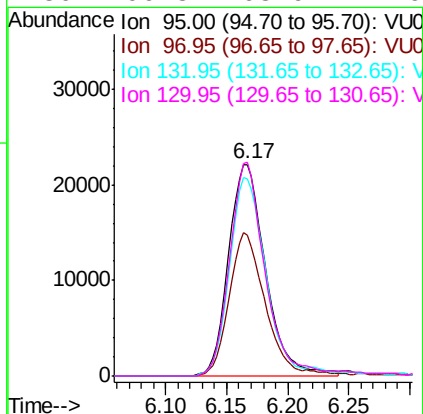
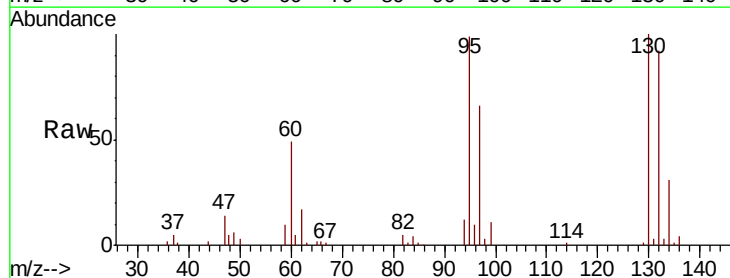
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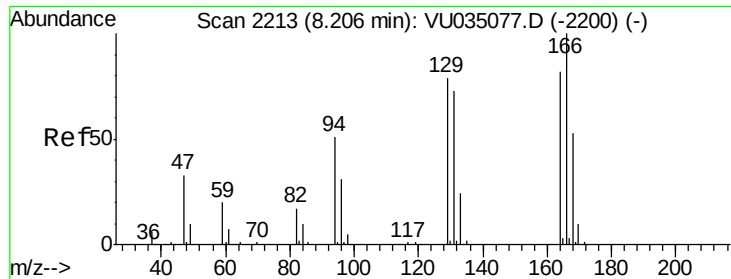
Tot Ion: 83 Resp: 18439
Ion Ratio Lower Upper
83 100
85 68.8 45.4 84.4



#34
Trichloroethene
Concen: 3.647 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU035088.D
Acq: 11 Oct 2019 14:23

Tgt Ion: 95 Resp: 46791
Ion Ratio Lower Upper
95 100
97 66.2 44.5 82.7
132 93.1 66.6 123.8
130 100.8 68.9 127.9





#47

Tetrachloroethene

Concen: 0.503 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU035088.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01

Tot Ion:164 Resp: 5227

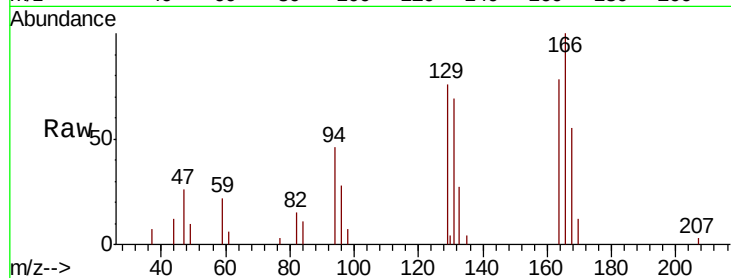
Ion Ratio Lower Upper

164 100

129 97.2 68.5 127.1

131 88.5 67.3 124.9

166 127.6 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

