

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121919\
 Data File : VU036289.D
 Acq On : 19 Dec 2019 17:46
 Operator : JC/MD
 Sample : K6282-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW4

Quant Time: Dec 20 04:22:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 03:13:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	257301	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	113147	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	101260	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.60	63	114034	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.68	46	171990	40.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.04%
24) Chloroform-d	5.11	84	157917	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.75	65	84770	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.77	84	310722	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.73	67	103002	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.93	98	261222	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.21	79	36704	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.68	63	157522	44.90	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.80%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	87871	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	81476	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

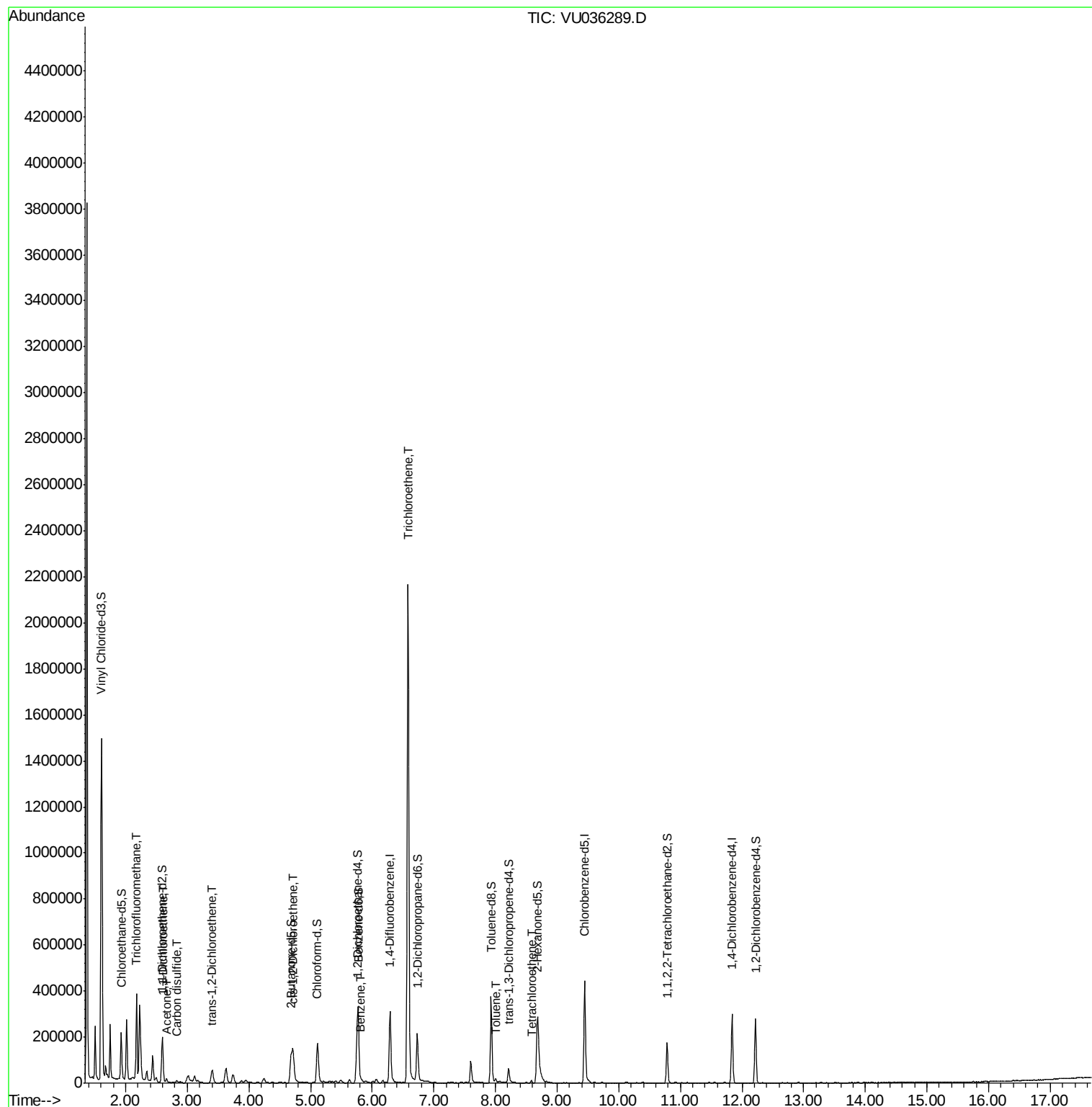
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	5743	0.133	ug/L	98
12) 1,1-Dichloroethene	2.61	96	6470	0.339	ug/L #	1
13) Acetone	2.66	43	10836	2.929	ug/L	98
14) Carbon disulfide	2.83	76	8484	0.132	ug/L #	93
18) trans-1,2-Dichloroethene	3.40	96	2779	0.139	ug/L	82
22) cis-1,2-Dichloroethene	4.72	96	60678	2.830	ug/L	100
33) Benzene	5.82	78	9236	0.107	ug/L	100
34) Trichloroethene	6.58	95	752948	33.754	ug/L	98
42) Toluene	8.01	91	8881	0.096	ug/L	88
47) Tetrachloroethene	8.58	164	2511	0.125	ug/L	83

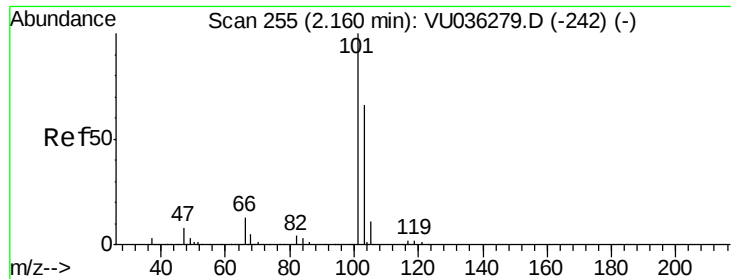
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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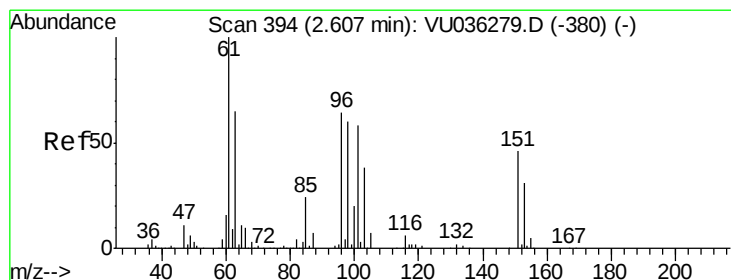
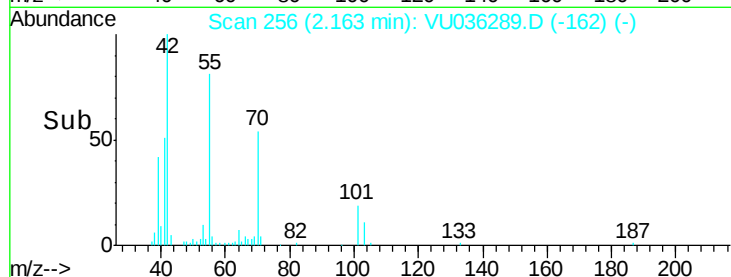
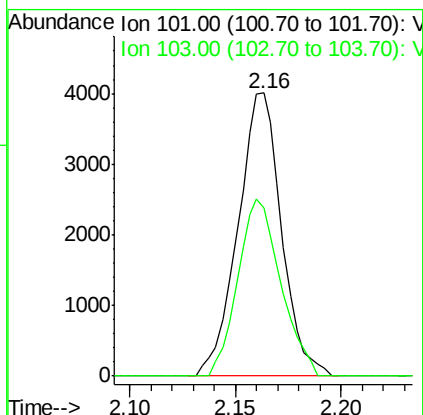
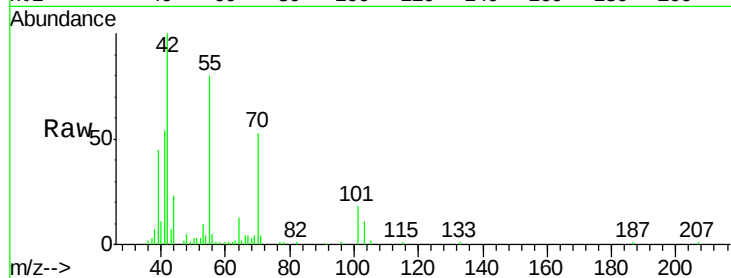


#9

Trichlorofluoromethane
Concen: 0.133 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU036289.D
Acq: 19 Dec 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
BFDW4

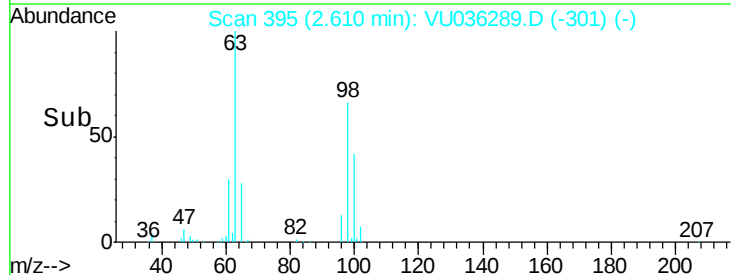
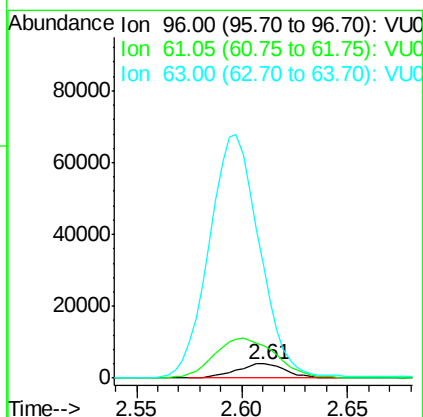
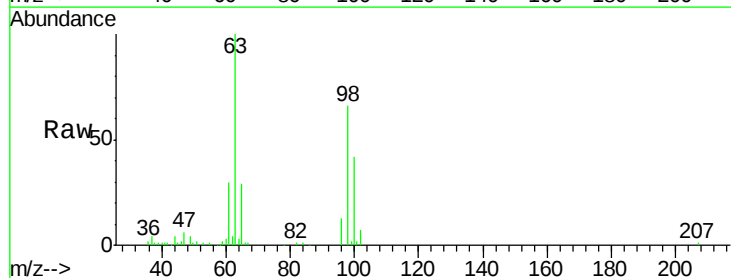
Tot Ion:101 Resp: 5743
Ion Ratio Lower Upper
101 100
103 61.5 50.4 75.6

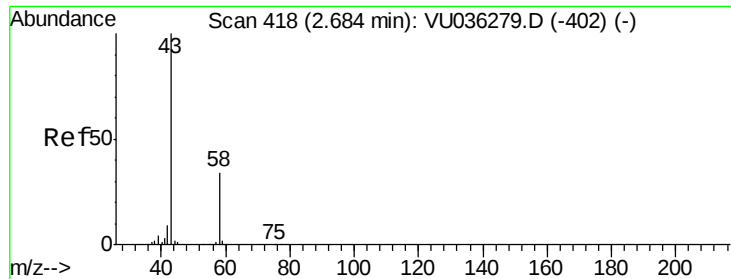


#12

1,1-Dichloroethene
Concen: 0.339 ug/L
RT: 2.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: VU036289.D
Acq: 19 Dec 2019 17:46

Tgt Ion: 96 Resp: 6470
Ion Ratio Lower Upper
96 100
61 228.6 114.0 211.8#
63 773.3 63.6 118.0#





#13

Acetone

Concen: 2.929 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036289.D

Acq: 19 Dec 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

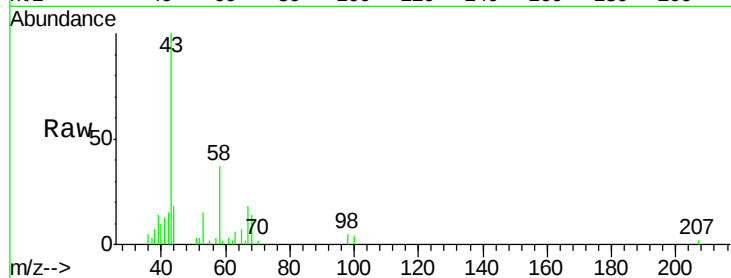
BFDW4

Tot Ion: 43 Resp: 10836

Ion Ratio Lower Upper

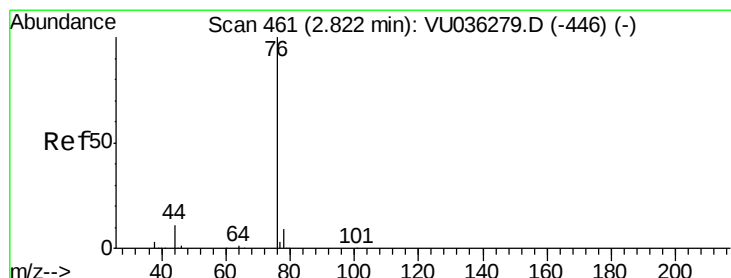
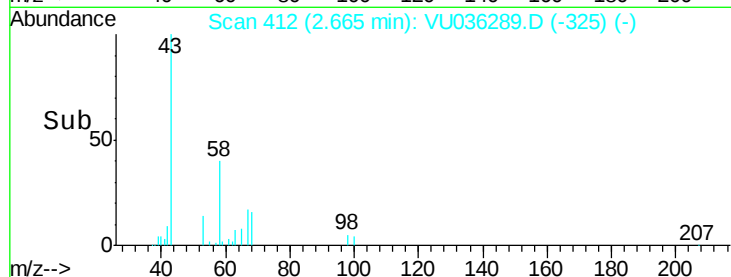
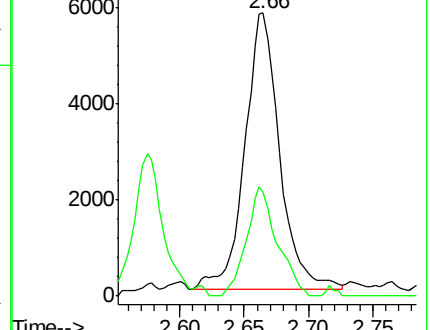
43 100

58 34.7 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036289.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036289.D (-402) (-)



#14

Carbon disulfide

Concen: 0.132 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.01 min

Lab File: VU036289.D

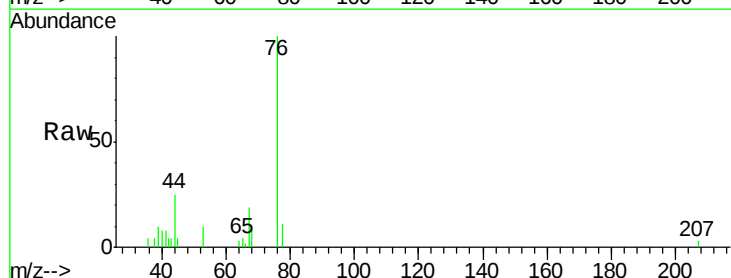
Acq: 19 Dec 2019 17:46

Tgt Ion: 76 Resp: 8484

Ion Ratio Lower Upper

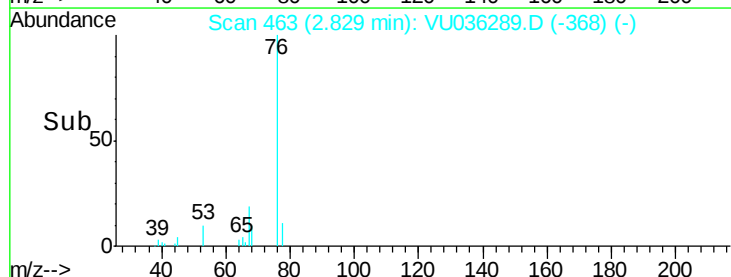
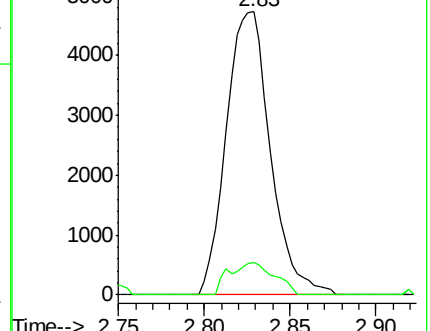
76 100

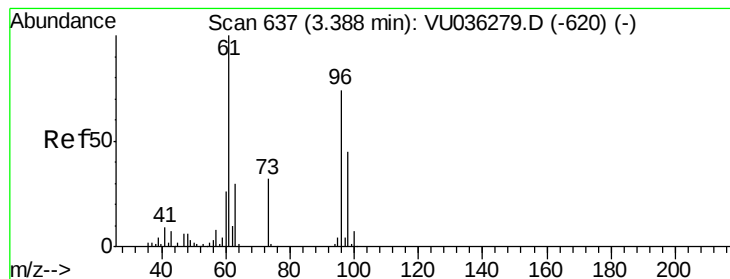
78 11.4 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU036289.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036289.D (-446) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.139 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU036289.D

Acq: 19 Dec 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

BFDW4

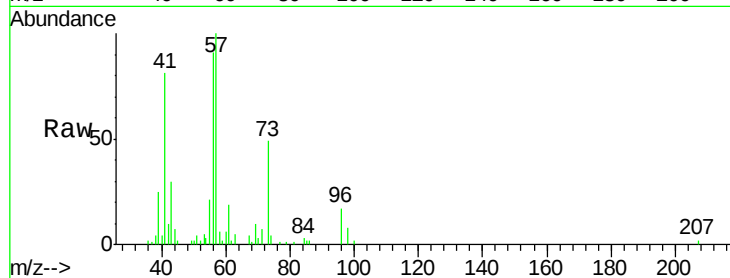
Tot Ion: 96 Resp: 2779

Ion Ratio Lower Upper

96 100

61 116.8 94.8 176.2

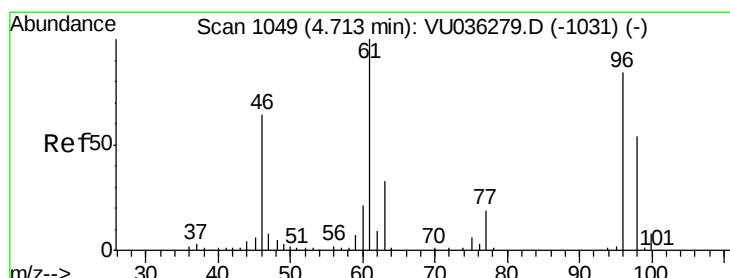
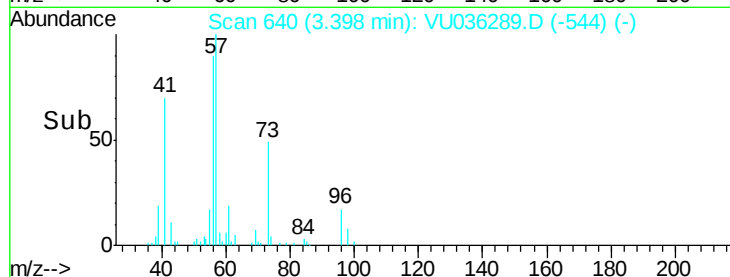
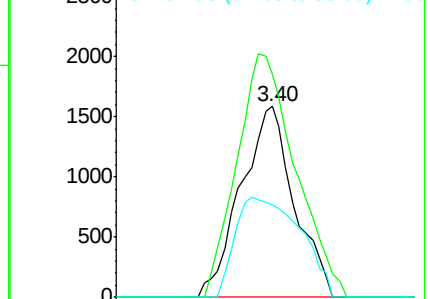
98 48.3 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.830 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036289.D

Acq: 19 Dec 2019 17:46

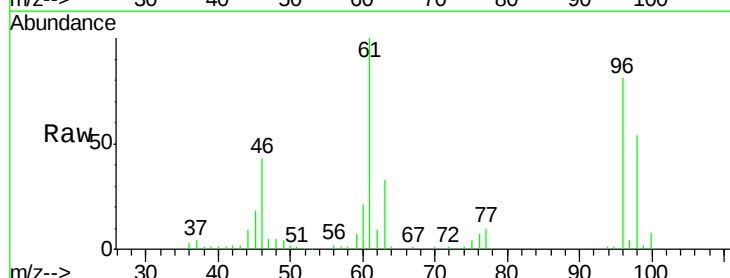
Tgt Ion: 96 Resp: 60678

Ion Ratio Lower Upper

96 100

61 123.6 86.7 161.1

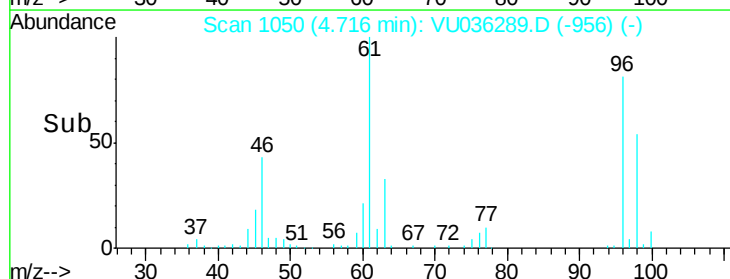
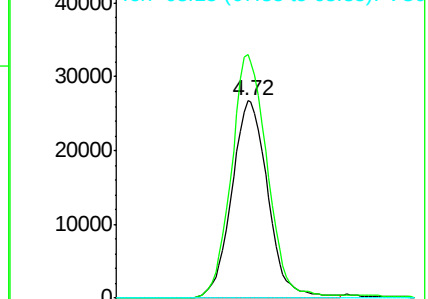
68 0.0 0.0 0.0

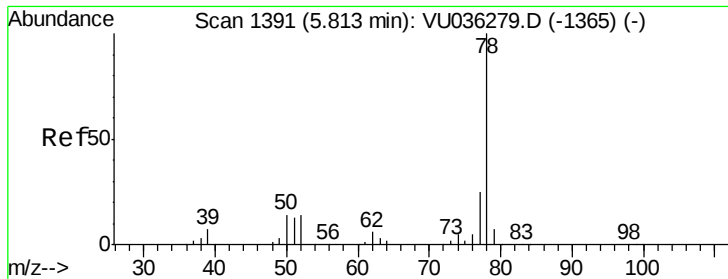


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

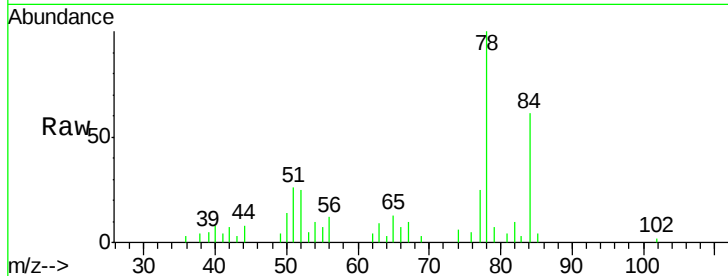




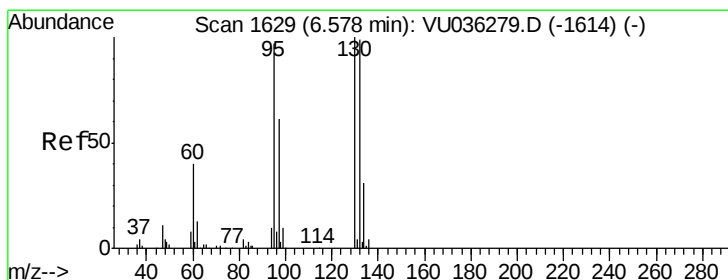
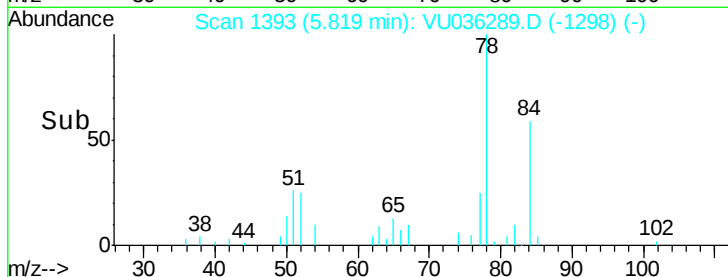
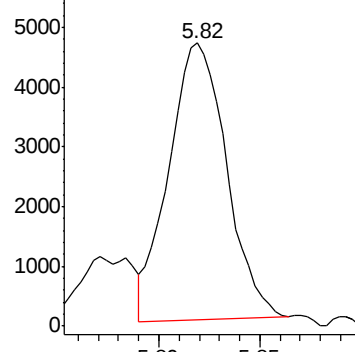
#33
Benzene
Concen: 0.107 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VU036289.D
Acq: 19 Dec 2019 17:46

Instrument :
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ClientSampleId :
BFDW4

Tgt Ion: 78 Resp: 9236



Abundance Ion 78.10 (77.80 to 78.80): VU0



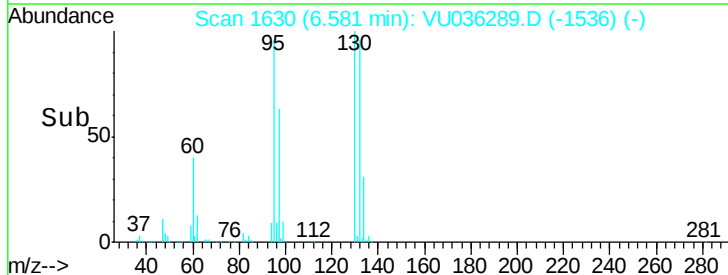
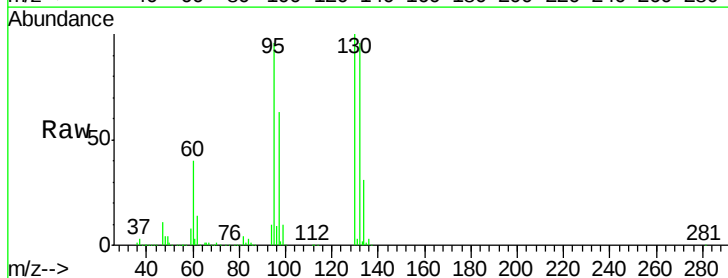
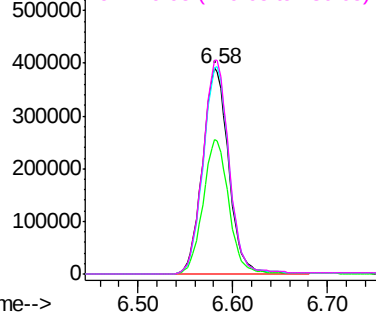
#34
Trichloroethene
Concen: 33.754 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036289.D
Acq: 19 Dec 2019 17:46

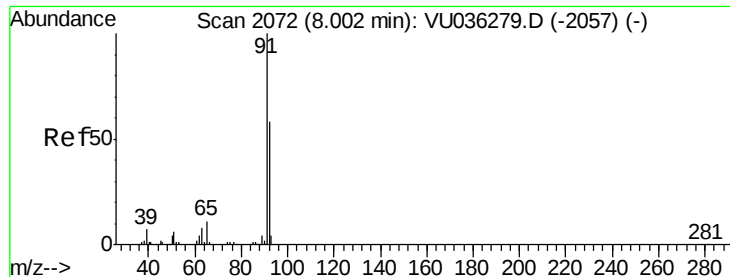
Tgt Ion: 95 Resp: 752948

Ion	Ratio	Lower	Upper
95	100		
97	65.1	43.6	81.0
132	100.0	69.6	129.2
130	103.7	70.3	130.7

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





#42

Toluene

Concen: 0.096 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU036289.D

Acq: 19 Dec 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

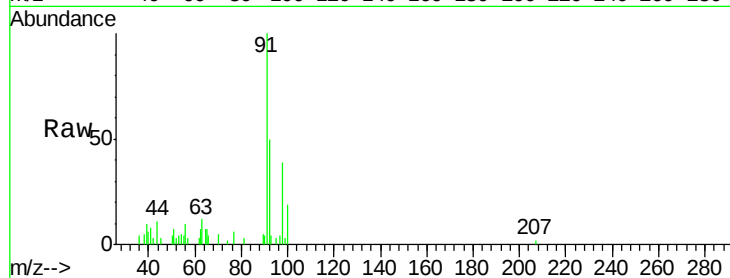
BFDW4

Tot Ion: 91 Resp: 8881

Ion Ratio Lower Upper

91 100

92 50.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036279.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036279.D (-2057) (-)

8.01

5000

4000

3000

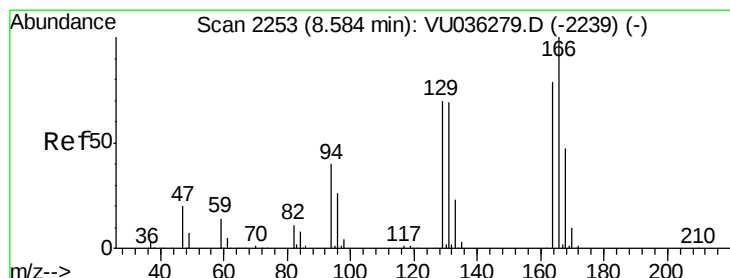
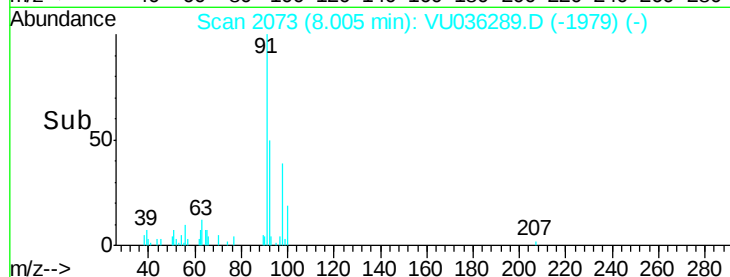
2000

1000

0

7.95 8.00 8.05

Time-->



#47

Tetrachloroethene

Concen: 0.125 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036289.D

Acq: 19 Dec 2019 17:46

Tgt Ion: 164 Resp: 2511

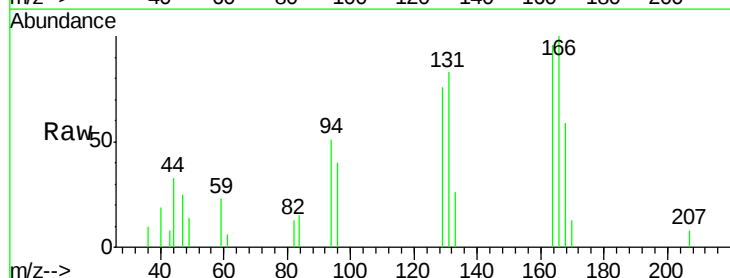
Ion Ratio Lower Upper

164 100

129 79.1 64.2 119.2

131 86.2 66.6 123.8

166 103.8 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU036279.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU036279.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU036279.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU036279.D (-2239) (-)

2500

2000

1500

1000

500

0

8.55 8.60

Time-->

