

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121919\
 Data File : VU036293.D
 Acq On : 19 Dec 2019 19:21
 Operator : JC/MD
 Sample : K6282-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW8

Quant Time: Dec 20 04:51:30 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	233359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	259151	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	105673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111444	5.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.40%
7) Chloroethane-d5	1.93	69	98228	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.59	63	114635	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.69	46	192730	50.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.12%
24) Chloroform-d	5.11	84	166105	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.75	65	86708	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.77	84	300961	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.73	67	99667	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	241070	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.21	79	35817	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.67	63	151637	46.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.92%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	89353	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	97520	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

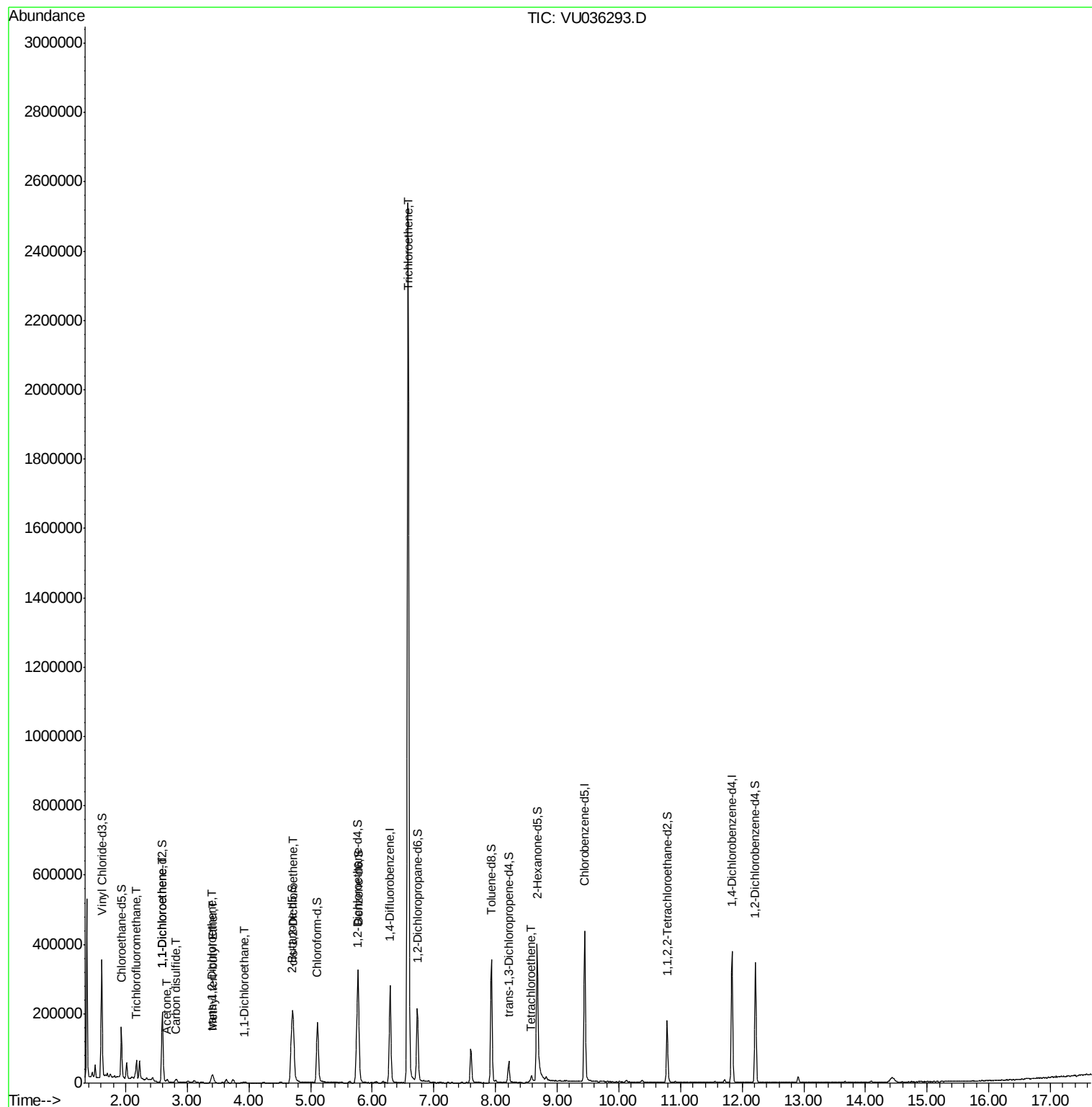
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	7974	0.204	ug/L	97
12) 1,1-Dichloroethene	2.61	96	7619	0.440	ug/L #	1
13) Acetone	2.67	43	10785	3.214	ug/L	100
14) Carbon disulfide	2.83	76	4132	0.071	ug/L	97
17) Methyl tert-butyl Ether	3.42	73	17075	0.460	ug/L #	66
18) trans-1,2-Dichloroethene	3.40	96	3944	0.218	ug/L #	73
19) 1,1-Dichloroethane	3.92	63	3183	0.095	ug/L	89
22) cis-1,2-Dichloroethene	4.72	96	83064	4.271	ug/L	97
34) Trichloroethene	6.58	95	852261	41.506	ug/L	98
47) Tetrachloroethene	8.58	164	3209	0.173	ug/L	82

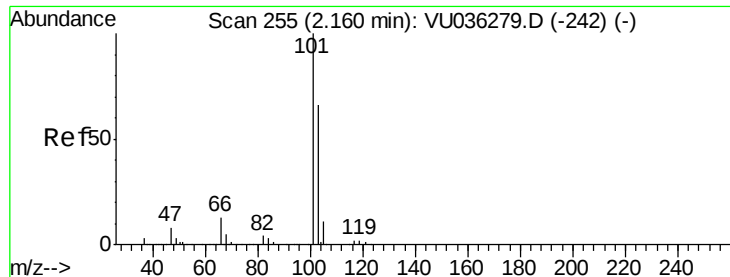
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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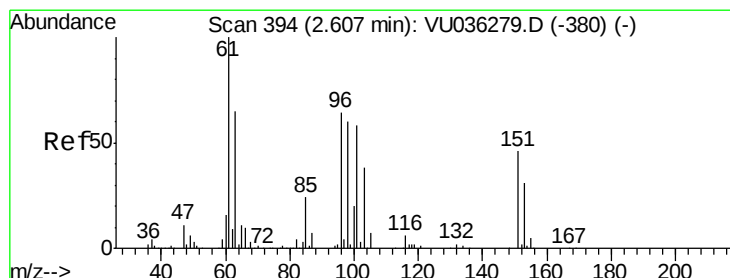
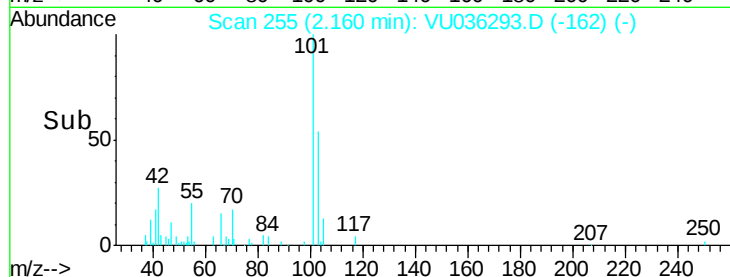
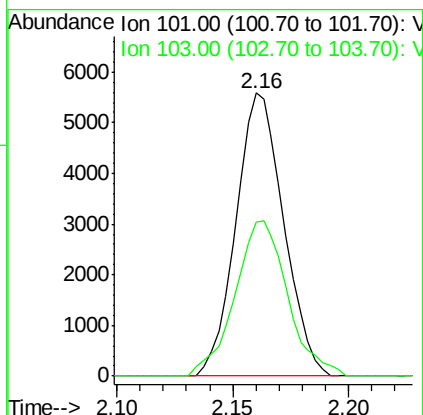
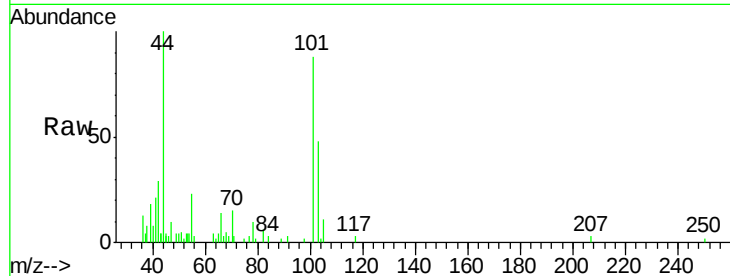


#9

Trichlorofluoromethane
 Concen: 0.204 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036293.D
 Acq: 19 Dec 2019 19:21

Instrument :
 MSVOA_U
 ClientSampled :
 BFDW8

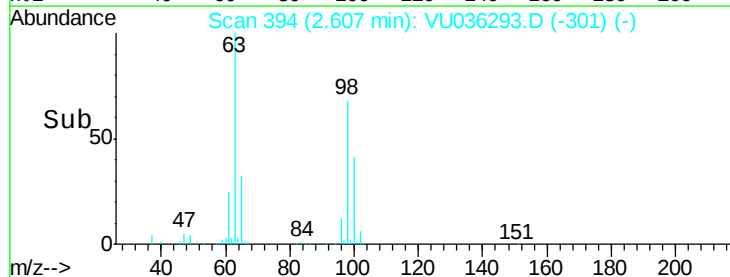
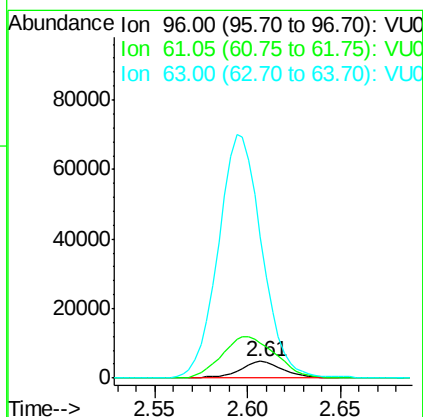
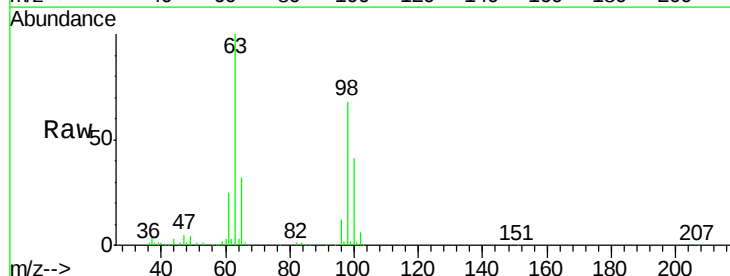
Tot Ion:101 Resp: 7974
 Ion Ratio Lower Upper
 101 100
 103 60.7 50.4 75.6

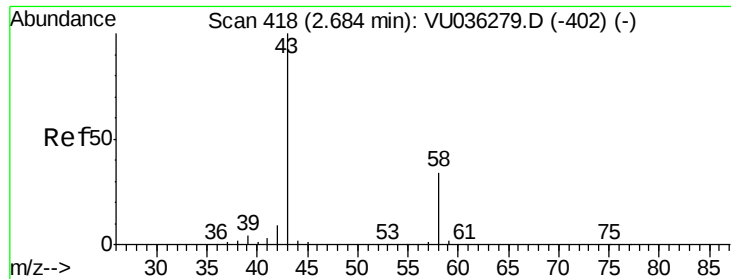


#12

1,1-Dichloroethene
 Concen: 0.440 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036293.D
 Acq: 19 Dec 2019 19:21

Tgt Ion: 96 Resp: 7619
 Ion Ratio Lower Upper
 96 100
 61 212.9 114.0 211.8#
 63 855.7 63.6 118.0#





#13

Acetone

Concen: 3.214 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU036293.D

Acq: 19 Dec 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

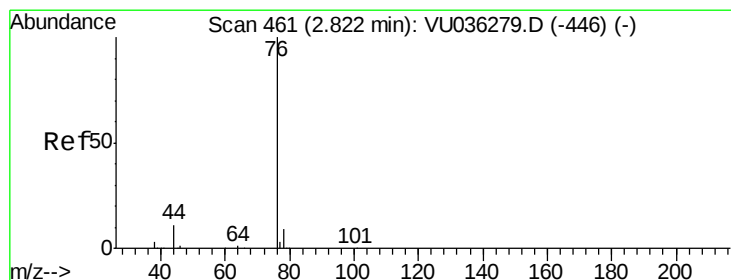
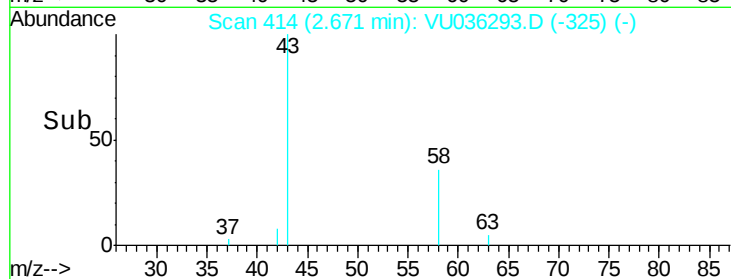
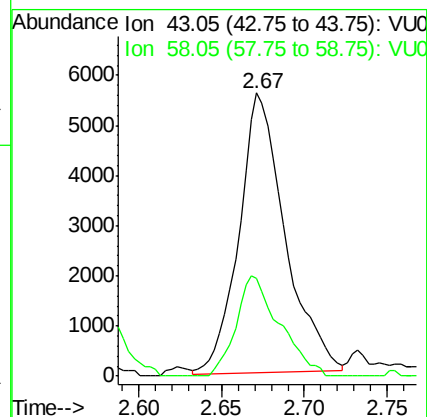
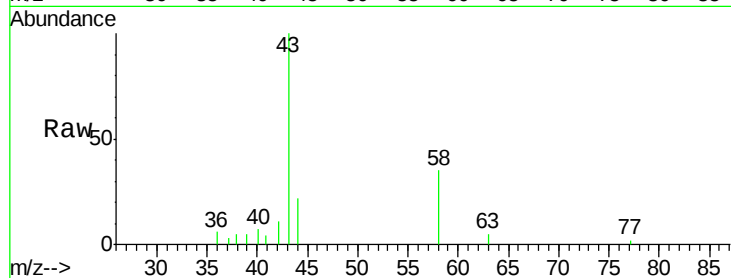
BFDW8

Tot Ion: 43 Resp: 10785

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.6



#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036293.D

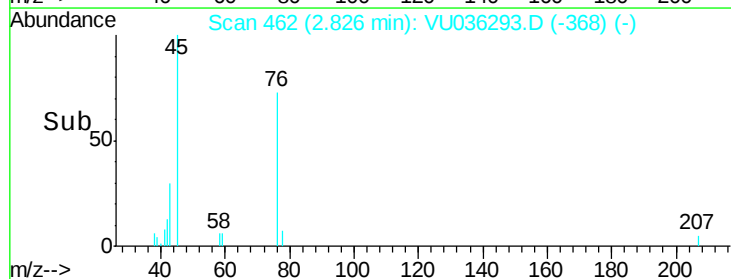
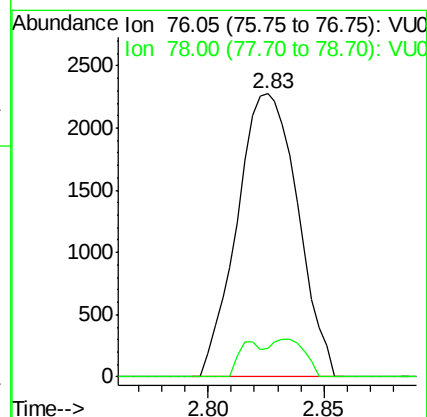
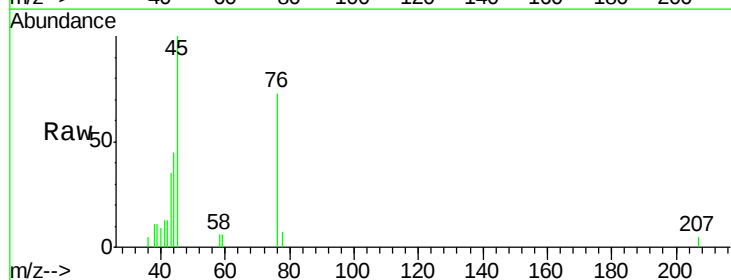
Acq: 19 Dec 2019 19:21

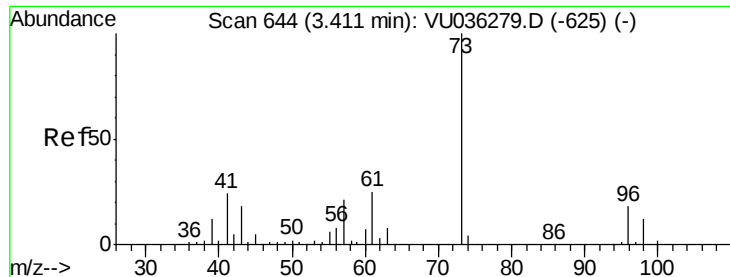
Tgt Ion: 76 Resp: 4132

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

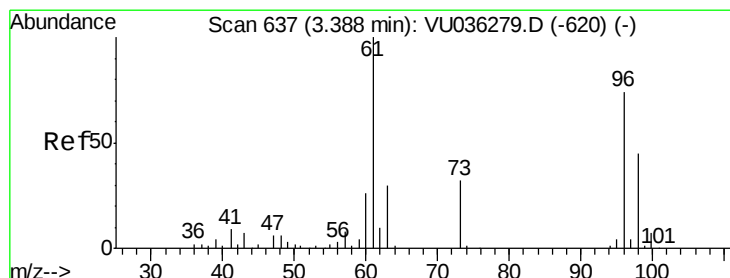
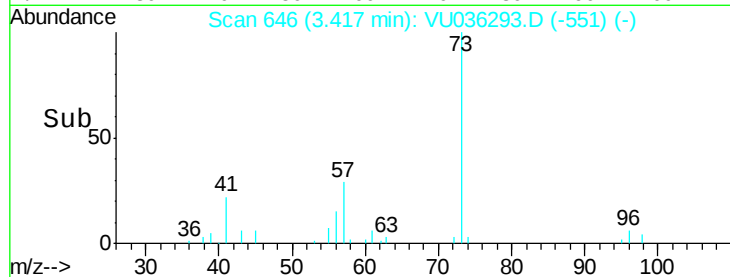
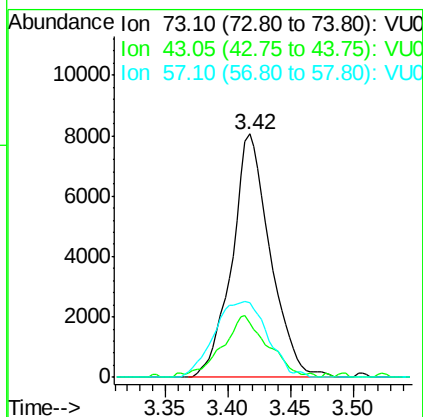
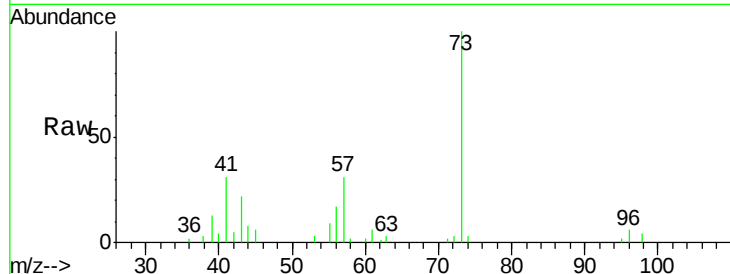




#17
Methvl tert-butvl Ether
Concen: 0.460 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.01 min
Lab File: VU036293.D
Acq: 19 Dec 2019 19:21

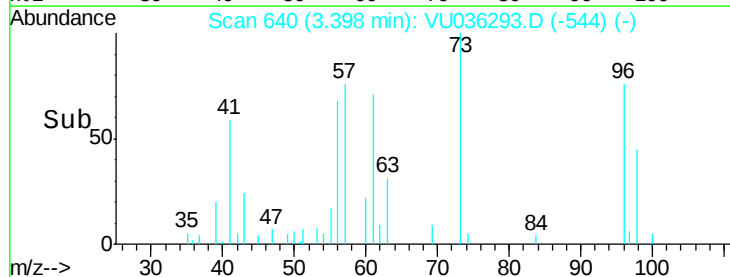
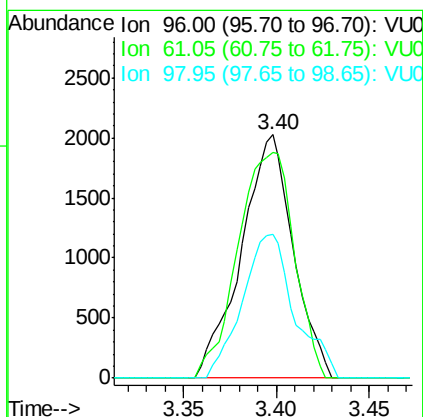
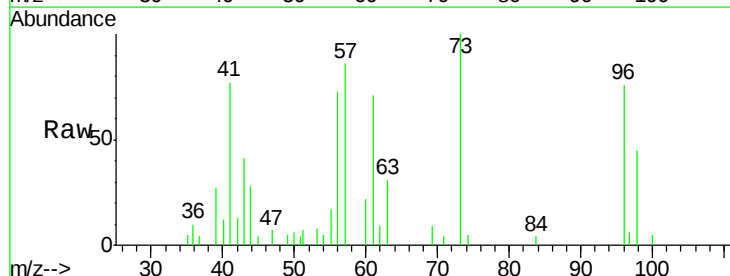
Instrument :
MSVOA_U
ClientSampleId :
BFDW8

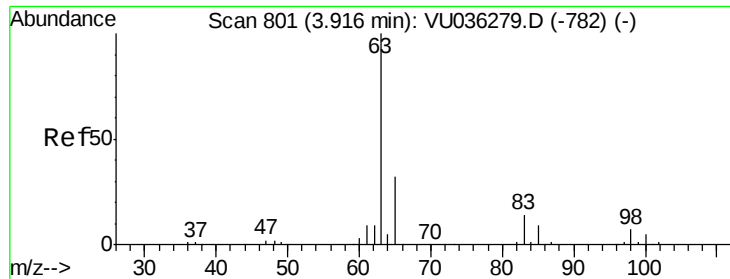
Tot Ion: 73 Resp: 17075
Ion Ratio Lower Upper
73 100
43 30.2 15.3 22.9#
57 43.3 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU036293.D
Acq: 19 Dec 2019 19:21

Tgt Ion: 96 Resp: 3944
Ion Ratio Lower Upper
96 100
61 92.7 94.8 176.2#
98 59.1 46.8 86.8





#19

1,1-Dichloroethane

Concen: 0.095 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU036293.D

Acq: 19 Dec 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

BFDW8

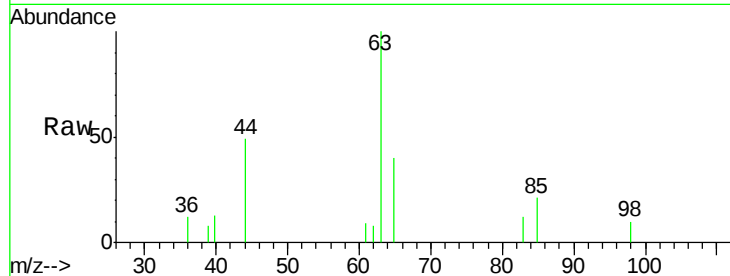
Tot Ion: 63 Resp: 3183

Ion Ratio Lower Upper

63 100

65 40.0 22.6 42.0

83 11.9 9.7 18.1

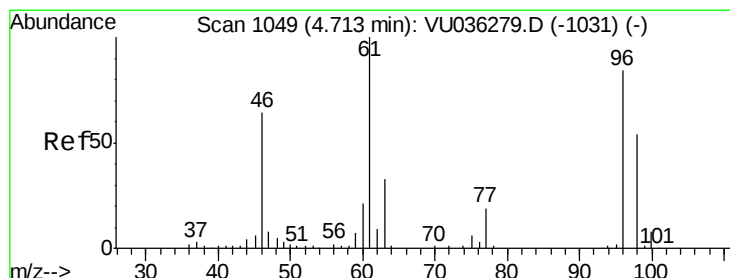
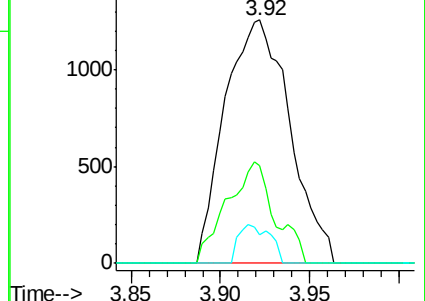
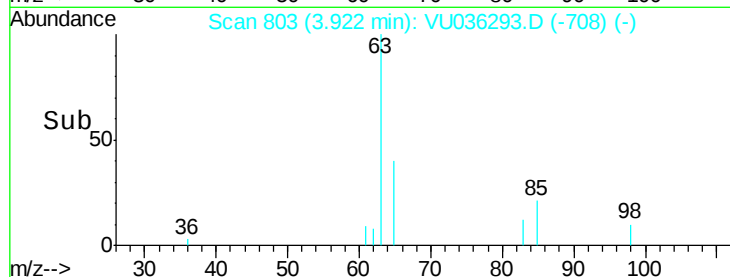


Abundance Ion 63.10 (62.80 to 63.80): VU036293.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036293.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036293.D (-782) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 4.271 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036293.D

Acq: 19 Dec 2019 19:21

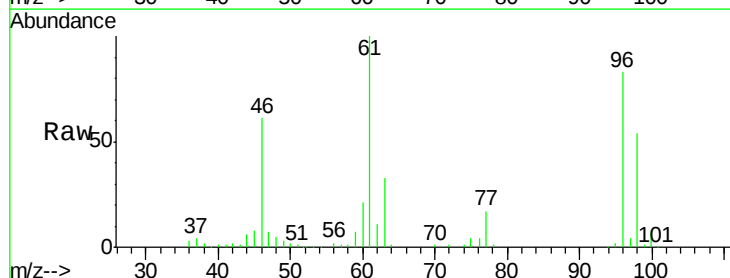
Tgt Ion: 96 Resp: 83064

Ion Ratio Lower Upper

96 100

61 120.1 86.7 161.1

68 0.0 0.0 0.0

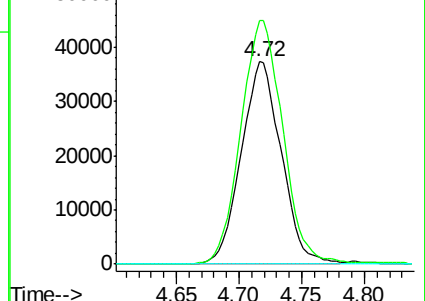
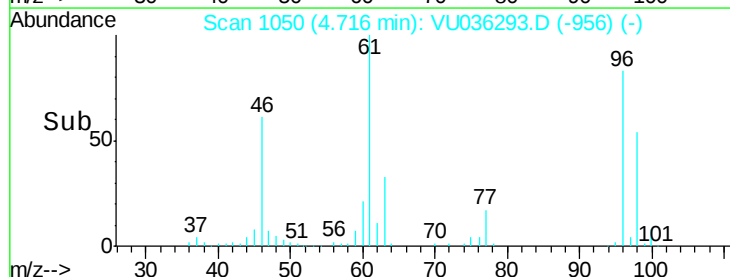


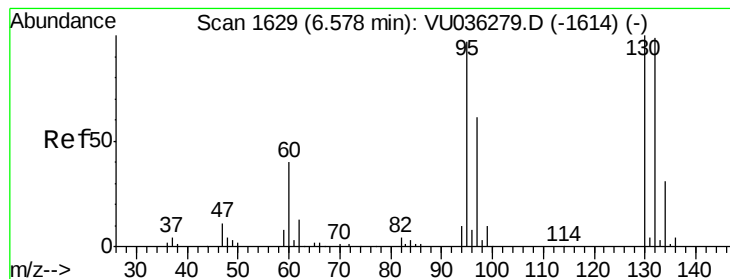
Abundance Ion 96.00 (95.70 to 96.70): VU036293.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036293.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036293.D (-956) (-)

Time-->





#34

Trichloroethene

Concen: 41.506 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036293.D

Acq: 19 Dec 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

BFDW8

Tot Ion: 95 Resp: 852261

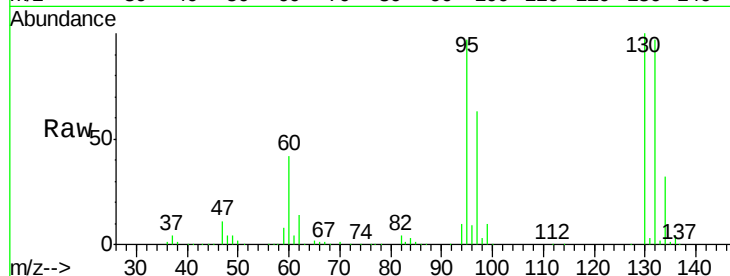
Ion Ratio Lower Upper

95 100

97 64.6 43.6 81.0

132 99.4 69.6 129.2

130 102.7 70.3 130.7

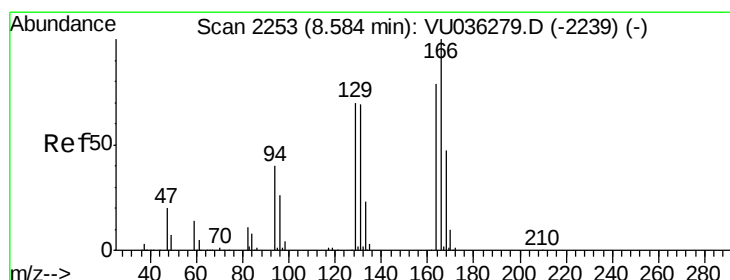
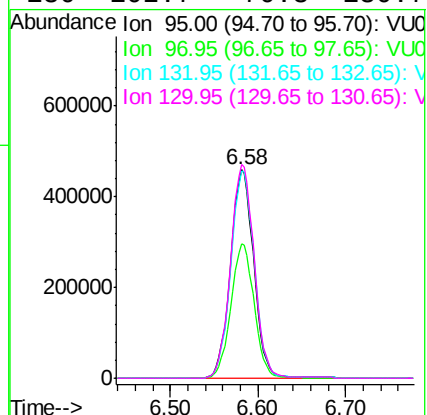
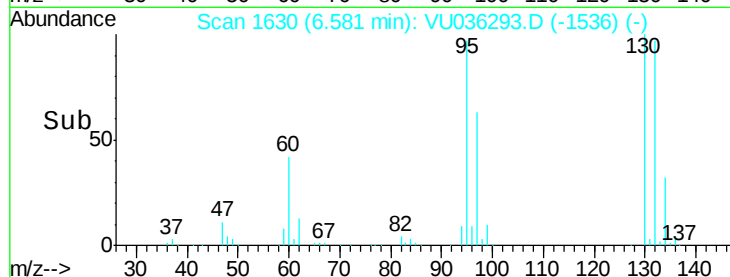


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 0.173 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.01 min

Lab File: VU036293.D

Acq: 19 Dec 2019 19:21

Tgt Ion:164 Resp: 3209

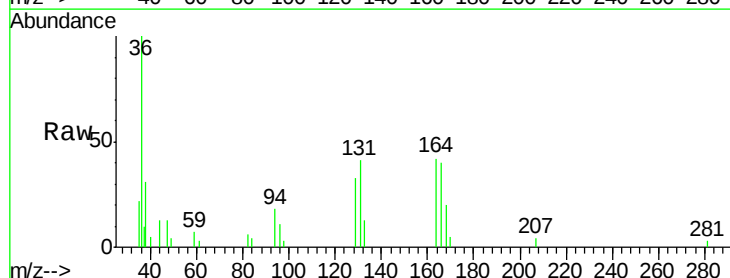
Ion Ratio Lower Upper

164 100

129 79.1 64.2 119.2

131 96.8 66.6 123.8

166 93.6 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

