

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121919\
 Data File : VU036297.D
 Acq On : 19 Dec 2019 21:20
 Operator : JC/MD
 Sample : K6282-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX0

Quant Time: Dec 20 08:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 05:33:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	245028	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	258130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	104402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123674	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.93	69	103829	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.59	63	180351	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.80%
20) 2-Butanone-d5	4.77	46	196843	48.69	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	5.13	84	166564	4.80	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.76	65	87888	4.82	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.78	84	303758	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.74	67	100400	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.93	98	253033	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.22	79	36354	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.68	63	169333	52.64	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.28%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	86554	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	93830	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

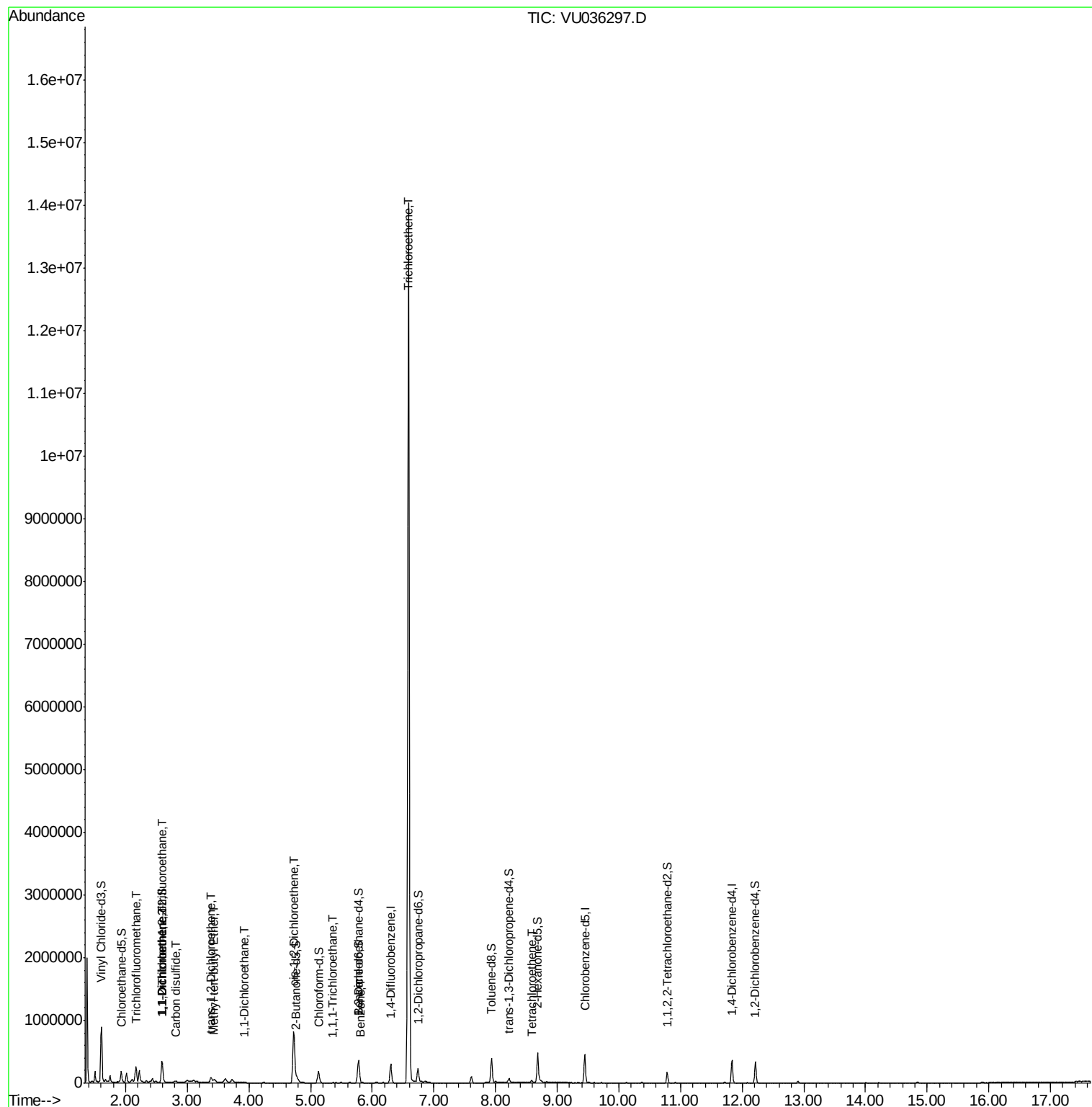
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	72322	1.763	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2443	0.124	ug/L #	54
12) 1,1-Dichloroethene	2.60	96	39309	2.163	ug/L #	54
14) Carbon disulfide	2.81	76	12210	0.200	ug/L #	80
17) Methyl tert-butyl Ether	3.44	73	45008	1.155	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	19722	1.036	ug/L	89
19) 1,1-Dichloroethane	3.92	63	15231	0.433	ug/L	98
22) cis-1,2-Dichloroethene	4.73	96	433145	21.210	ug/L	97
29) 1,1,1-Trichloroethane	5.37	97	3329	0.105	ug/L #	87
33) Benzene	5.82	78	8438	0.106	ug/L	100
34) Trichloroethene	6.59	95	4572124	223.550	ug/L	98
47) Tetrachloroethene	8.58	164	6872	0.372	ug/L	89

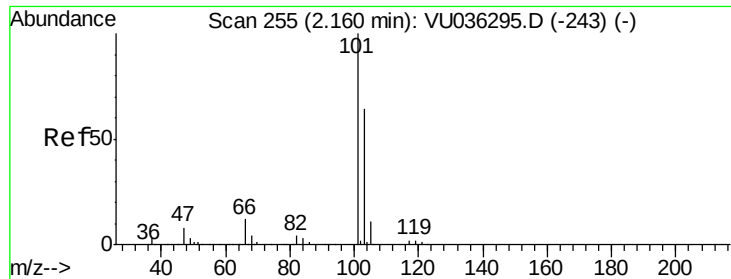
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036297.D
Acq On : 19 Dec 2019 21:20
Operator : JC/MD
Sample : K6282-14
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDX0

Quant Time: Dec 20 08:48:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration



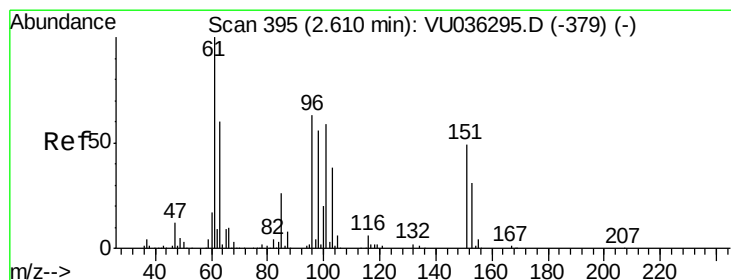
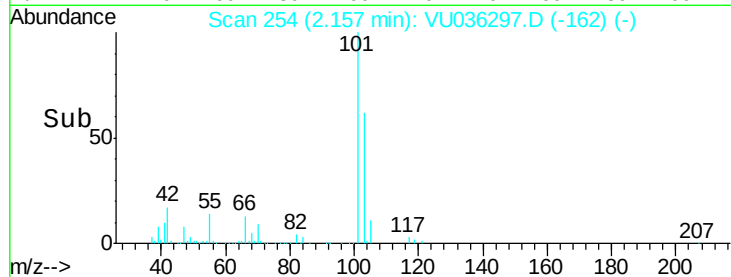
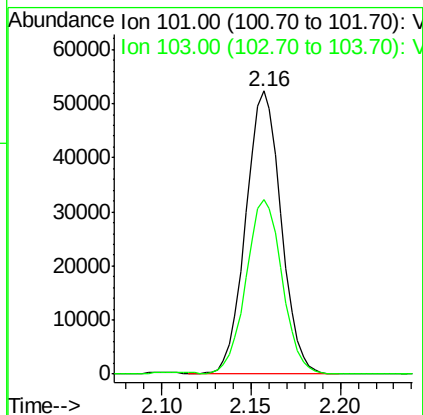
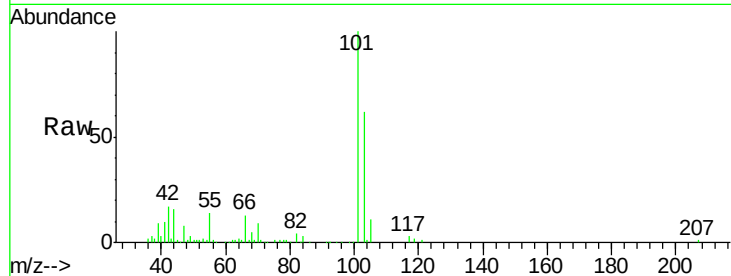


#9

Trichlorofluoromethane
 Concen: 1.763 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Instrument :
 MSVOA_U
 ClientSampled :
 BFDX0

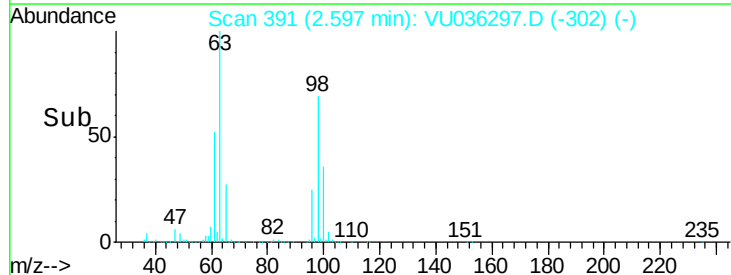
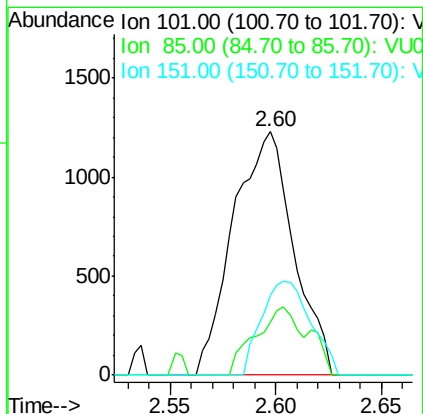
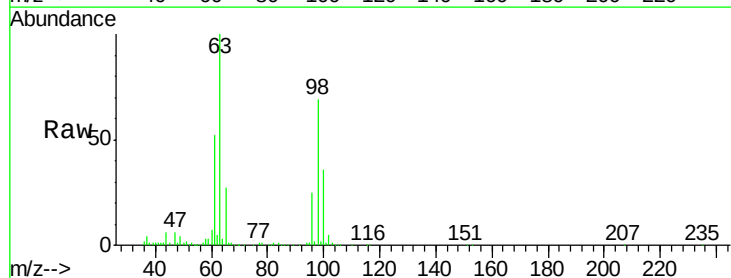
Tot Ion:101 Resp: 72322
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.4 75.6

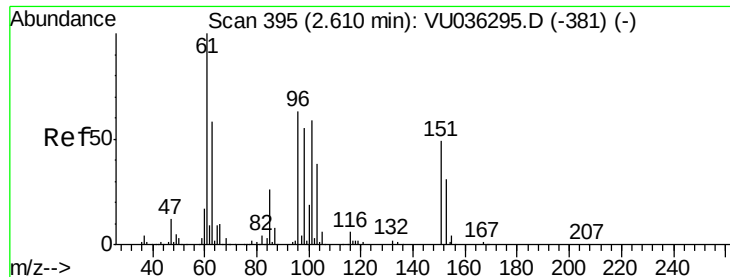


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.124 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Tgt Ion:101 Resp: 2443
 Ion Ratio Lower Upper
 101 100
 85 24.4 35.0 52.6#
 151 31.4 63.9 95.9#

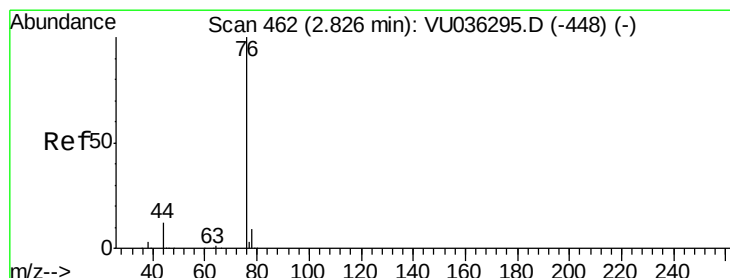
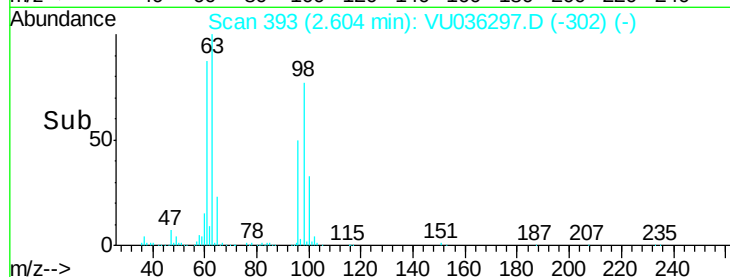
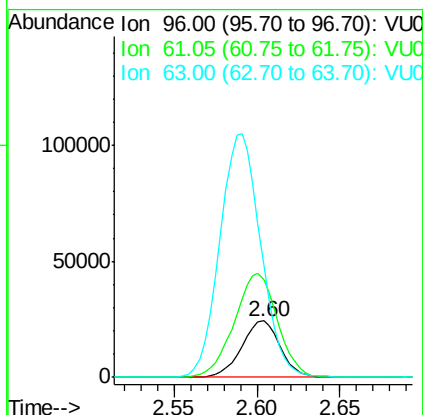
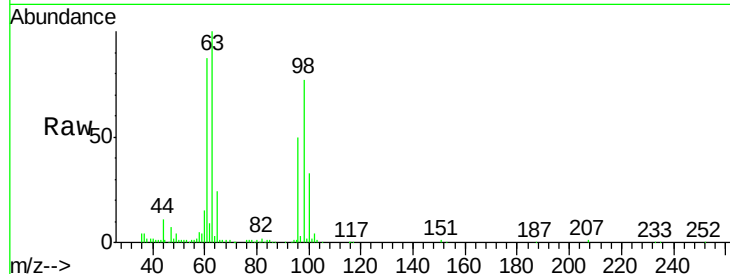




#12
 1,1-Dichloroethene
 Concen: 2.163 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.01 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

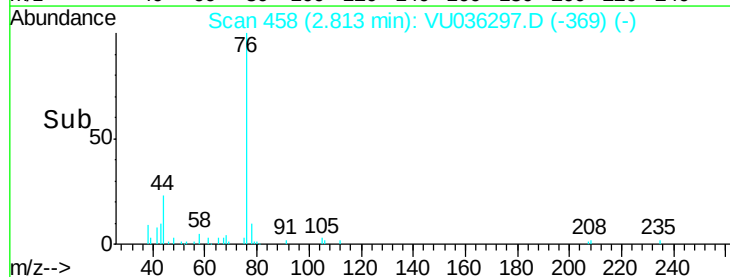
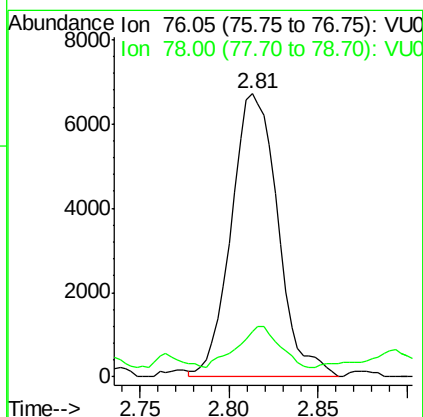
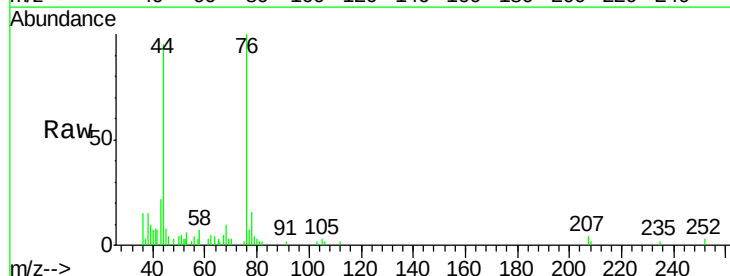
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX0

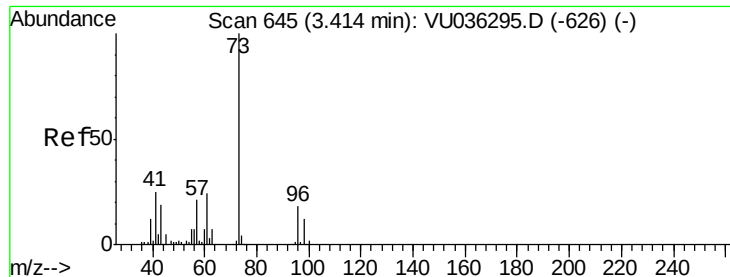
Tot Ion: 96 Resp: 39309
 Ion Ratio Lower Upper
 96 100
 61 172.7 114.0 211.8
 63 198.8 63.6 118.0#



#14
 Carbon disulfide
 Concen: 0.200 ug/L
 RT: 2.81 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Tgt Ion: 76 Resp: 12210
 Ion Ratio Lower Upper
 76 100
 78 15.9 7.1 10.7#





#17

Methyl tert-butyl Ether

Concen: 1.155 ug/L

RT: 3.44 min Scan# 653

Delta R.T. 0.03 min

Lab File: VU036297.D

Acq: 19 Dec 2019 21:20

Instrument :

MSVOA_U

ClientSampleID :

BFDX0

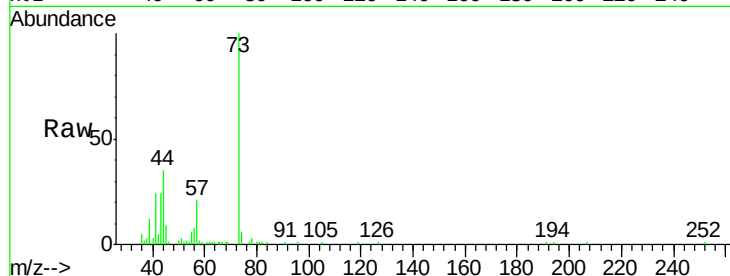
Tot Ion: 73 Resp: 45008

Ion Ratio Lower Upper

73 100

43 19.8 15.3 22.9

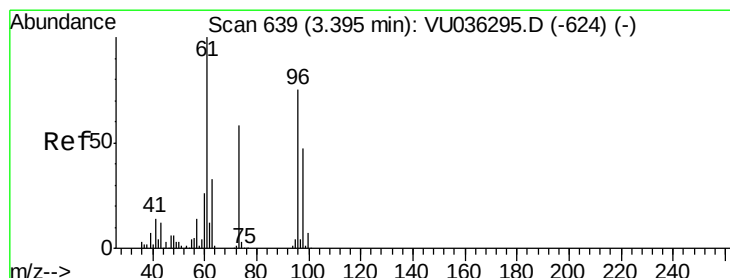
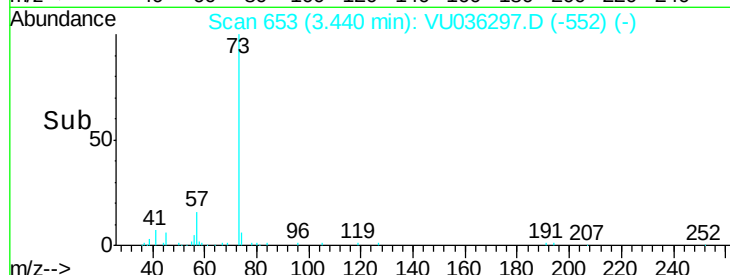
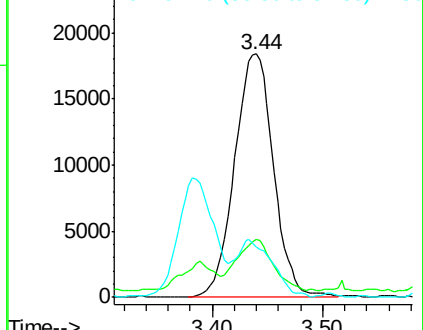
57 21.0 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU036297.D (-552) (-)

Ion 43.05 (42.75 to 43.75): VU036297.D (-552) (-)

Ion 57.10 (56.80 to 57.80): VU036297.D (-552) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.036 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036297.D

Acq: 19 Dec 2019 21:20

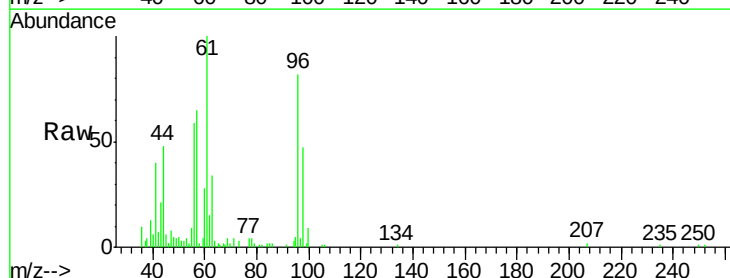
Tgt Ion: 96 Resp: 19722

Ion Ratio Lower Upper

96 100

61 122.2 94.8 176.2

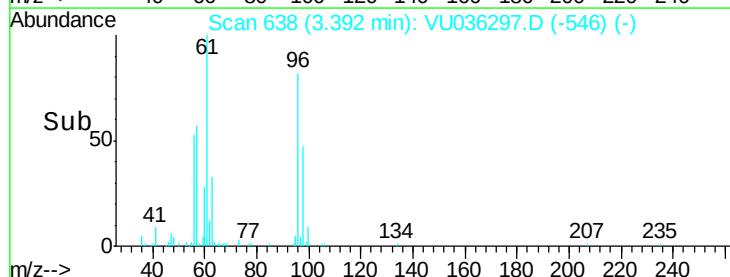
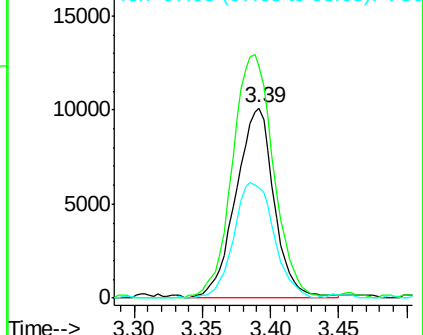
98 57.9 46.8 86.8

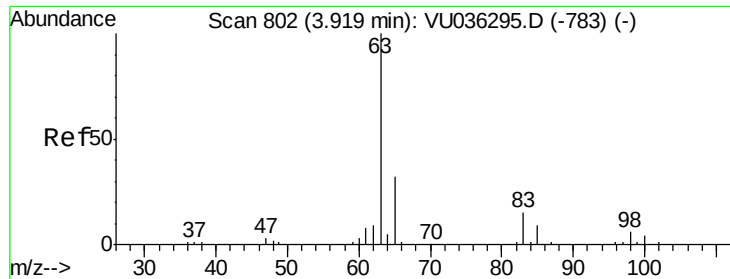


Abundance Ion 96.00 (95.70 to 96.70): VU036297.D (-546) (-)

Ion 61.05 (60.75 to 61.75): VU036297.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU036297.D (-546) (-)

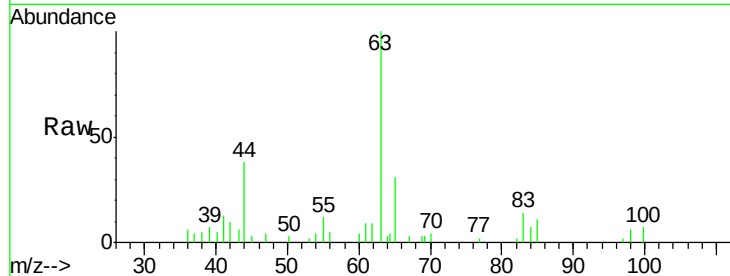




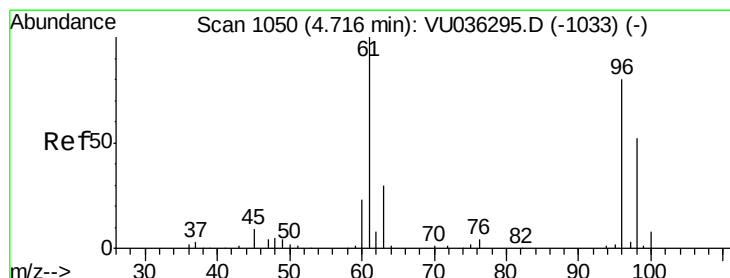
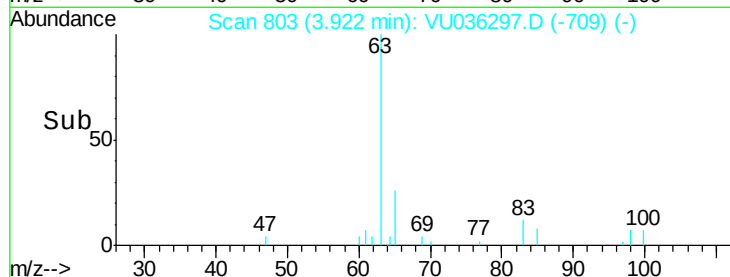
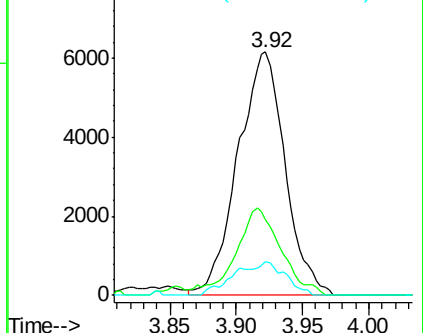
#19
 1,1-Dichloroethane
 Concen: 0.433 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX0

Tot Ion: 63 Resp: 15231
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.6 42.0
 83 13.7 9.7 18.1

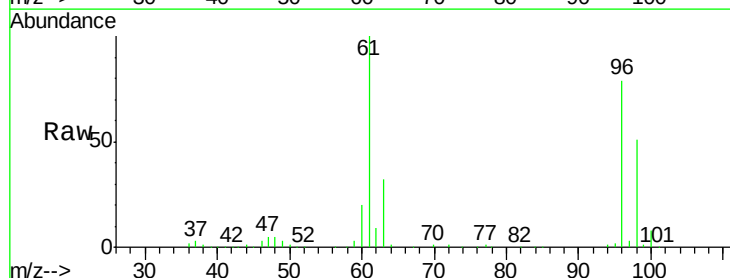


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

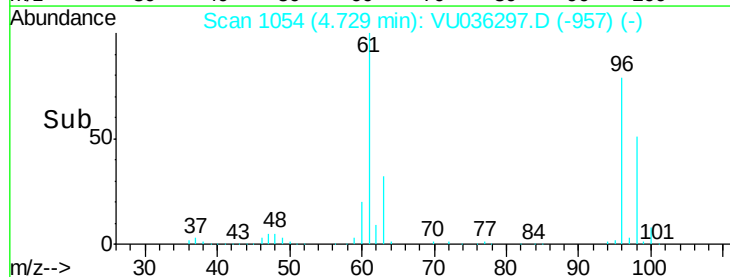
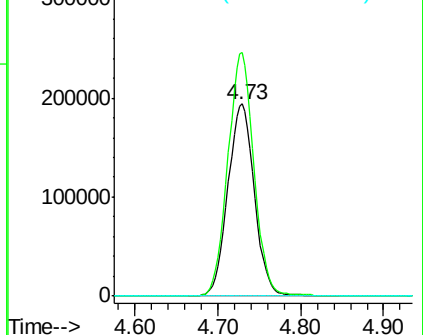


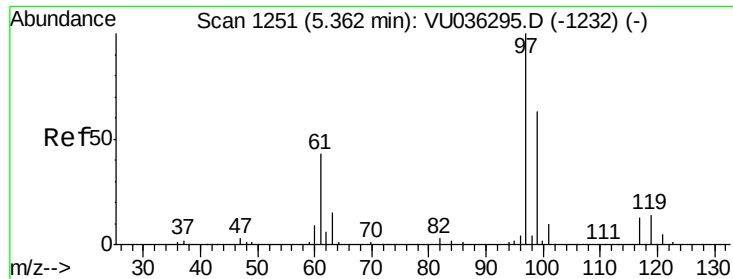
#22
 cis-1,2-Dichloroethene
 Concen: 21.210 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Tgt Ion: 96 Resp: 433145
 Ion Ratio Lower Upper
 96 100
 61 126.8 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

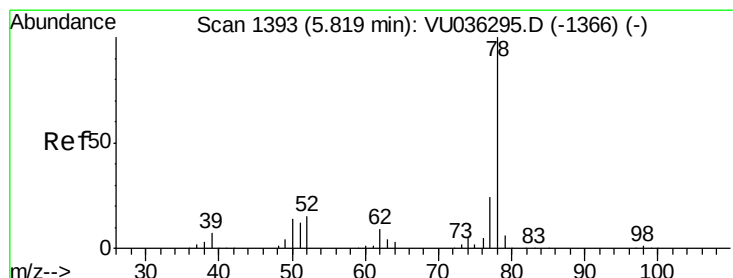
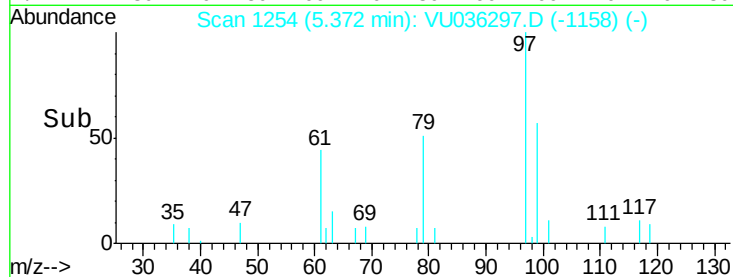
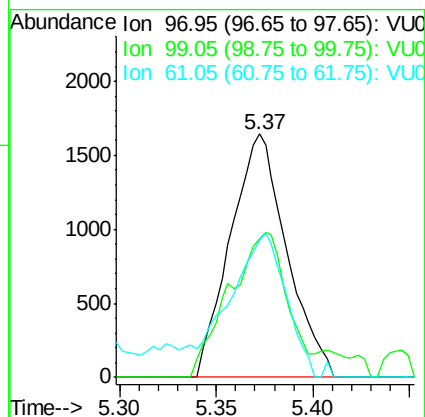
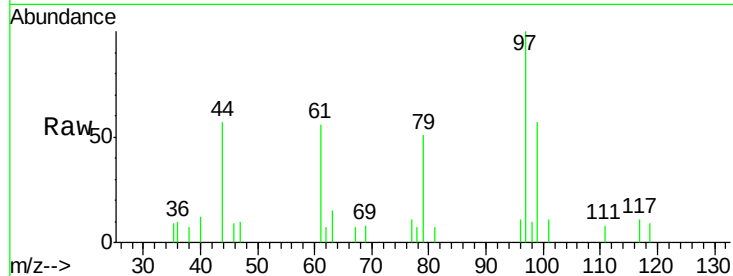




#29
 1,1,1-Trichloroethane
 Concen: 0.105 ug/L
 RT: 5.37 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

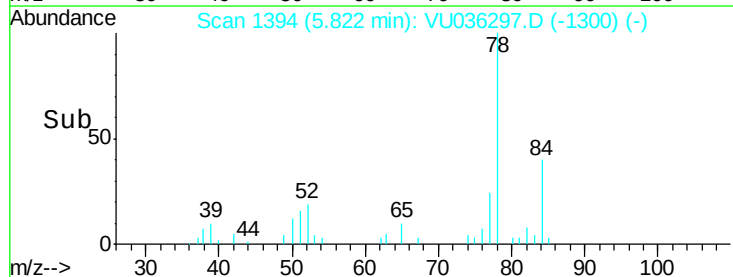
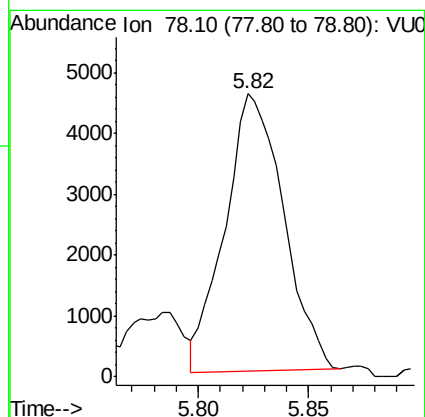
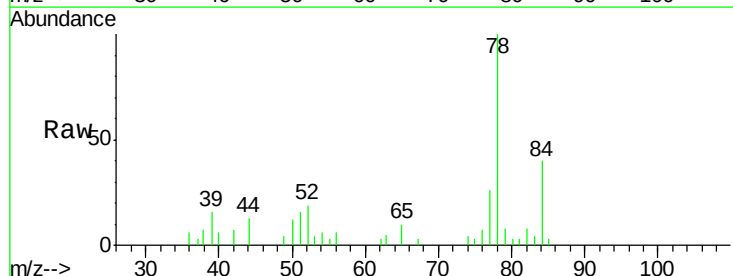
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX0

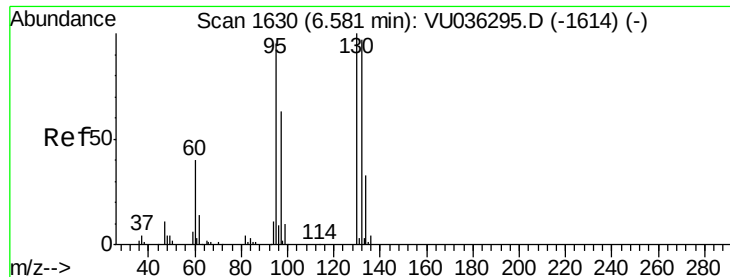
Tot Ion: 97 Resp: 3329
 Ion Ratio Lower Upper
 97 100
 99 61.9 51.4 77.2
 61 60.8 35.0 52.6#



#33
 Benzene
 Concen: 0.106 ug/L
 RT: 5.82 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VU036297.D
 Acq: 19 Dec 2019 21:20

Tgt Ion: 78 Resp: 8438





#34

Trichloroethene

Concen: 223.550 ug/L

RT: 6.59 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VU036297.D

Acq: 19 Dec 2019 21:20

Instrument :

MSVOA_U

ClientSampleId :

BFDX0

Tot Ion: 95 Resp: 4572124

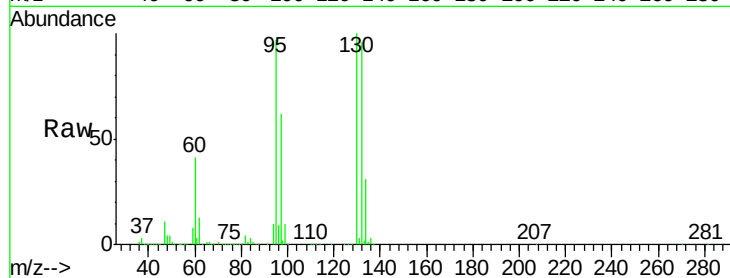
Ion Ratio Lower Upper

95 100

97 64.5 43.6 81.0

132 99.5 69.6 129.2

130 103.6 70.3 130.7

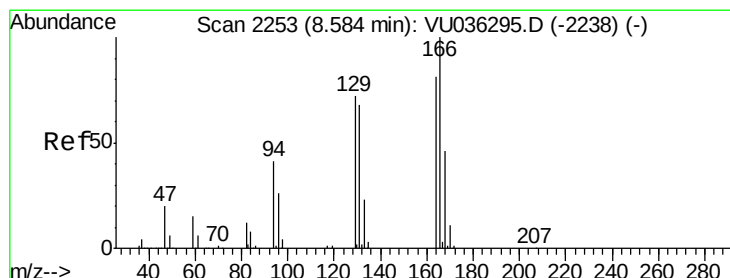
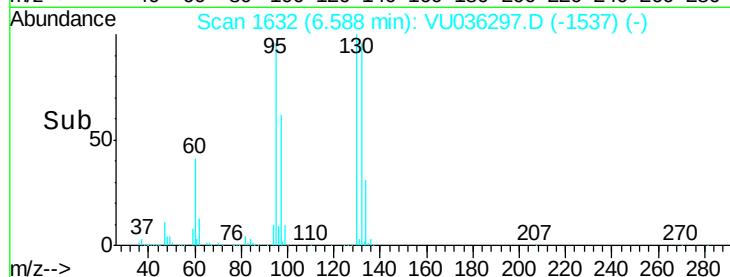
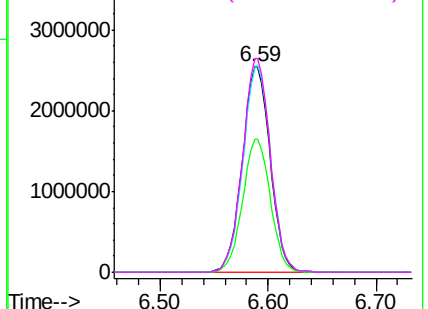


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.372 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036297.D

Acq: 19 Dec 2019 21:20

Tgt Ion:164 Resp: 6872

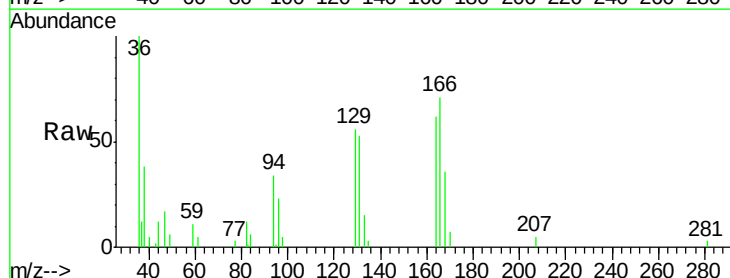
Ion Ratio Lower Upper

164 100

129 89.0 64.2 119.2

131 84.2 66.6 123.8

166 114.2 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

