

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036083.D
 Acq On : 10 Dec 2019 14:39
 Operator : JC/MD
 Sample : K6168-07DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE41DL

Quant Time: Dec 12 02:44:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 17:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	309582	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	348413	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	117020	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147328	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.93	69	134627	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.59	63	168901	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.70	46	294064	62.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.08%
24) Chloroform-d	5.11	84	228082	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.75	65	124140	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.77	84	452498	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.73	67	144898	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.93	98	372717	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.21	79	51857	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.68	63	240419	59.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.88%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	128811	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	127554	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

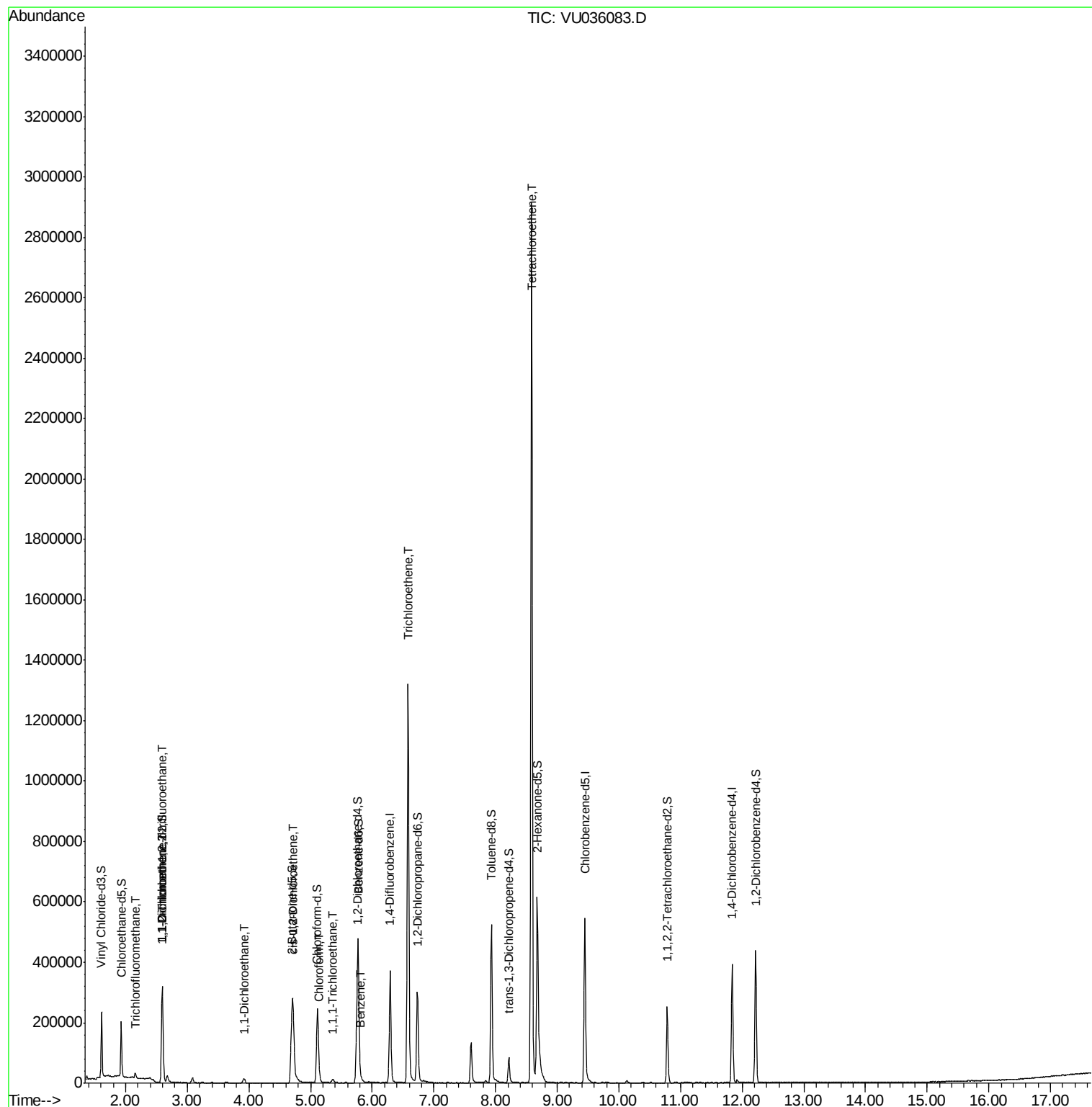
					Ovalue
9) Trichlorofluoromethane	2.16	101	10516	0.195 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	12178	0.407 ug/L #	80
12) 1,1-Dichloroethene	2.61	96	22899	0.850 ug/L #	1
19) 1,1-Dichloroethane	3.92	63	16089	0.390 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	98424	4.079 ug/L	98
25) Chloroform	5.14	83	17159	0.373 ug/L	90
29) 1,1,1-Trichloroethane	5.36	97	7890	0.201 ug/L	92
33) Benzene	5.82	78	11237	0.118 ug/L	100
34) Trichloroethene	6.58	95	461862	18.268 ug/L	98
47) Tetrachloroethene	8.58	164	701402	29.180 ug/L	98

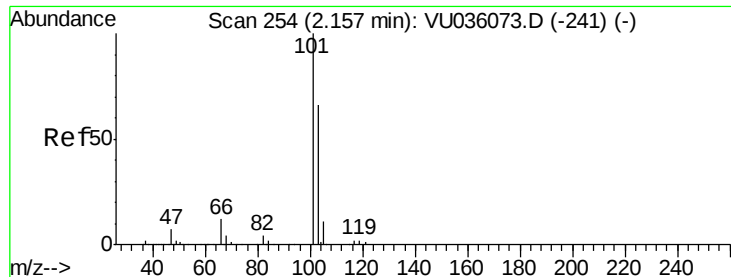
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 17:05:01 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.195 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

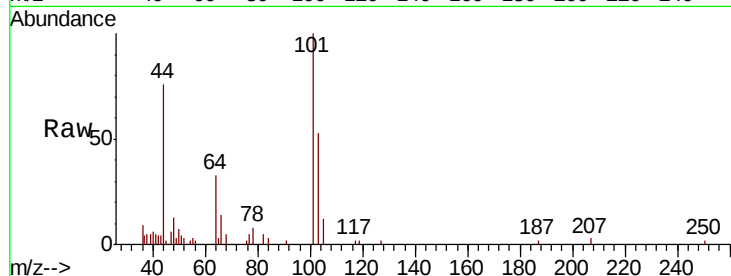
BFE41DL

Tot Ion:101 Resp: 10516

Ion Ratio Lower Upper

101 100

103 67.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.16

8000

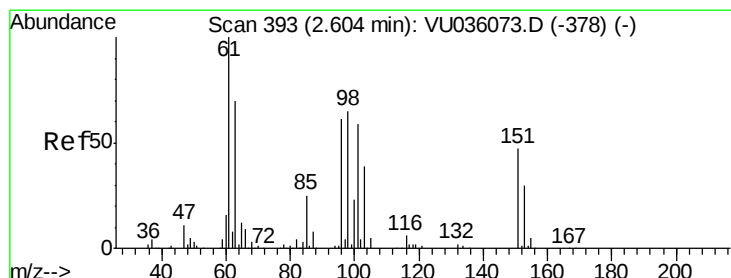
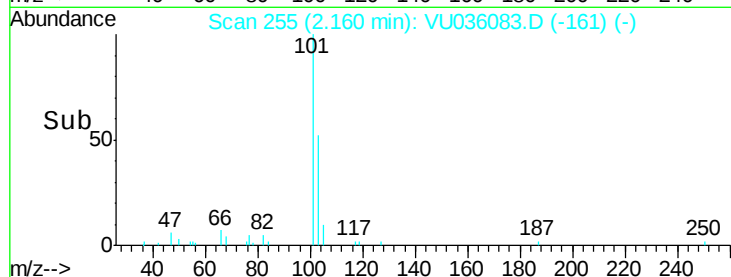
6000

4000

2000

0

Time--> 2.10 2.15 2.20



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.407 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

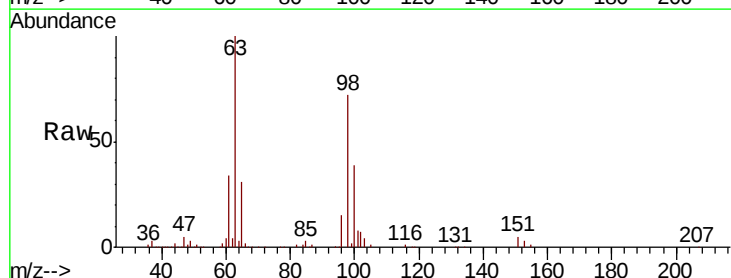
Tgt Ion:101 Resp: 12178

Ion Ratio Lower Upper

101 100

85 34.0 33.1 49.7

151 61.6 66.5 99.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

8000

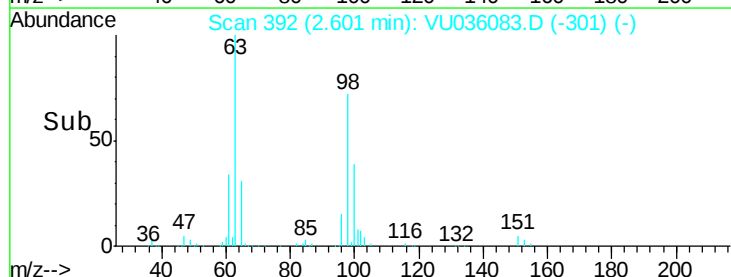
6000

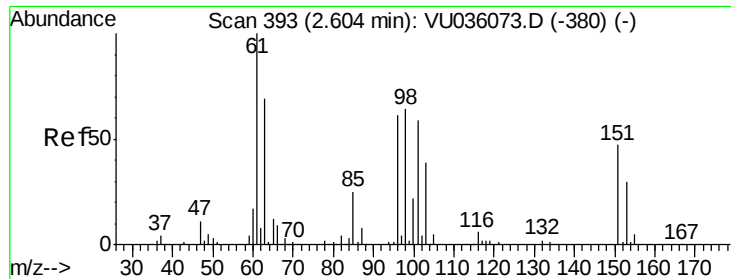
4000

2000

0

Time--> 2.55 2.60 2.65





#12

1,1-Dichloroethene

Concen: 0.850 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

Instrument :

MSVOA_U

ClientSampled :

BFE41DL

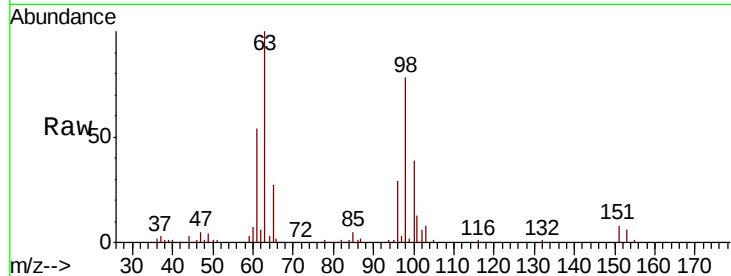
Tot Ion: 96 Resp: 22899

Ion Ratio Lower Upper

96 100

61 187.3 104.3 193.7

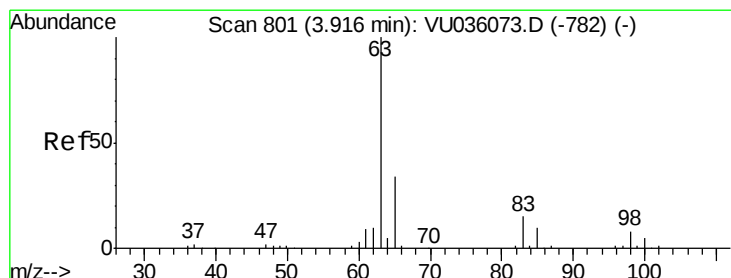
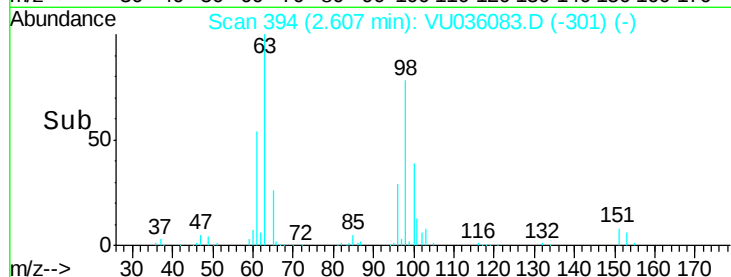
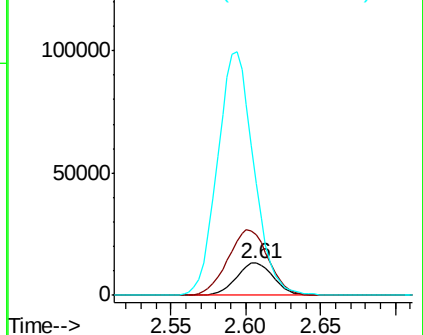
63 345.2 65.6 121.8#



Abundance Ion 96.00 (95.70 to 96.70): VU036083.D (-394) (-)

Ion 61.05 (60.75 to 61.75): VU036083.D (-394) (-)

Ion 63.00 (62.70 to 63.70): VU036083.D (-394) (-)



#19

1,1-Dichloroethane

Concen: 0.390 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

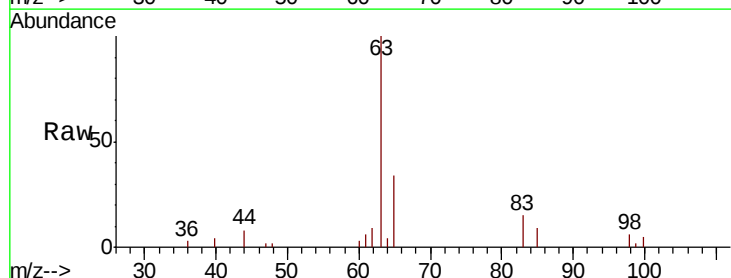
Tgt Ion: 63 Resp: 16089

Ion Ratio Lower Upper

63 100

65 34.3 21.8 40.4

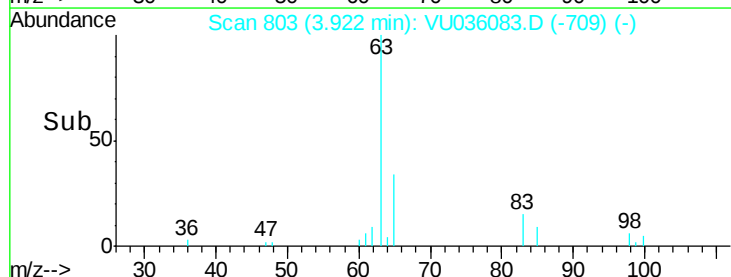
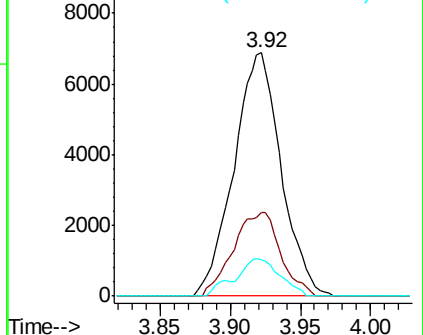
83 15.0 10.1 18.9

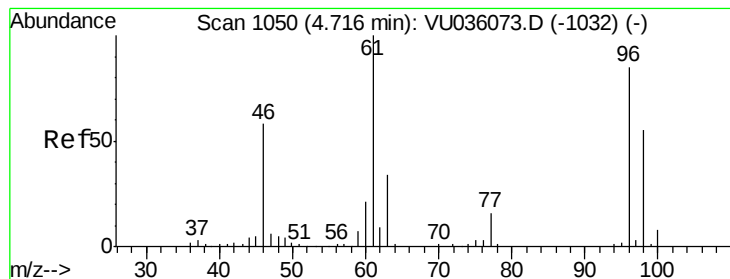


Abundance Ion 63.10 (62.80 to 63.80): VU036083.D (-803) (-)

Ion 65.10 (64.80 to 65.80): VU036083.D (-803) (-)

Ion 83.05 (82.75 to 83.75): VU036083.D (-803) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.079 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

BFE41DL

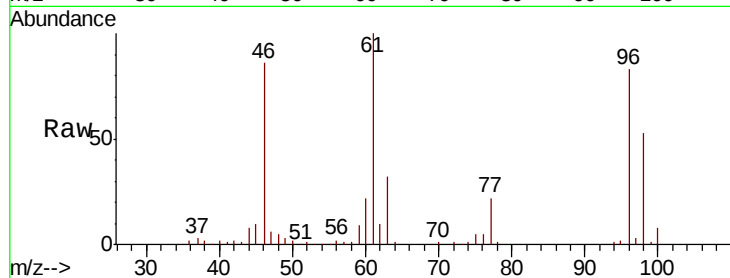
Tot Ion: 96 Resp: 98424

Ion Ratio Lower Upper

96 100

61 121.0 83.0 154.2

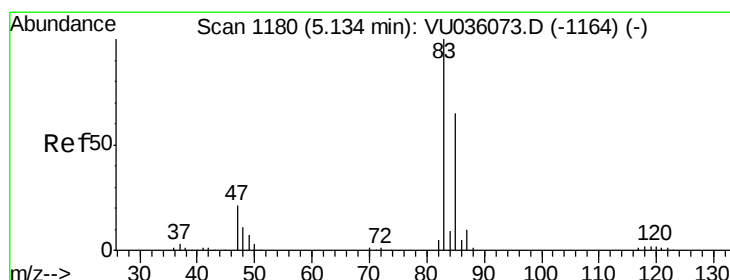
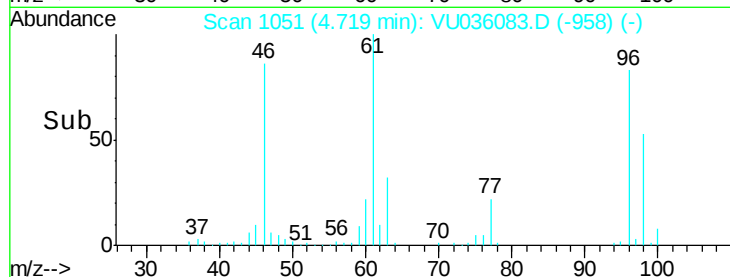
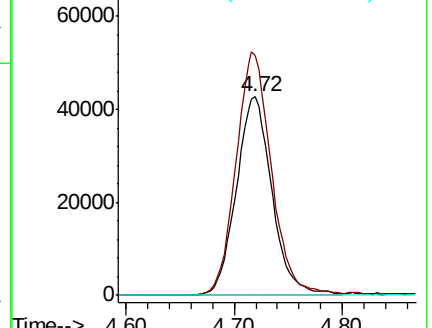
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036083.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU036083.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU036083.D (-958) (-)



#25

Chloroform

Concen: 0.373 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU036083.D

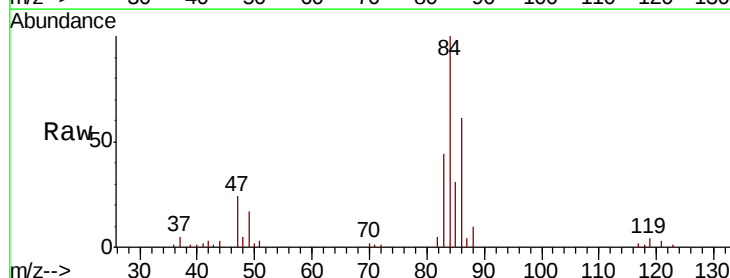
Acq: 10 Dec 2019 14:39

Tgt Ion: 83 Resp: 17159

Ion Ratio Lower Upper

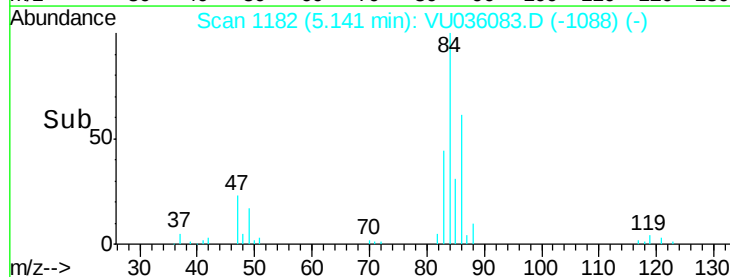
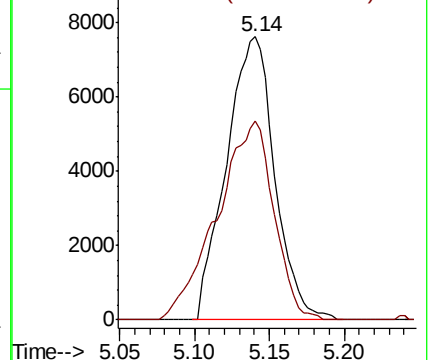
83 100

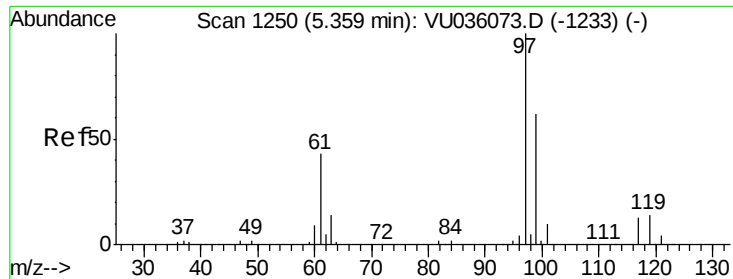
85 70.3 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036083.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU036083.D (-1088) (-)

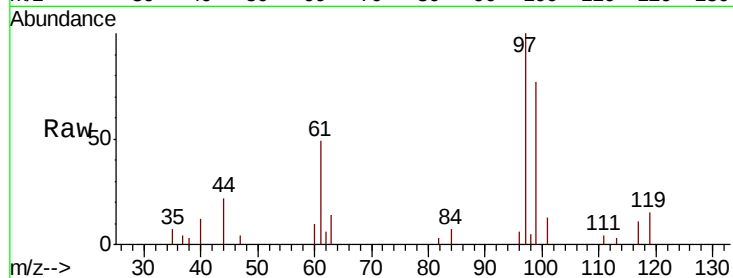




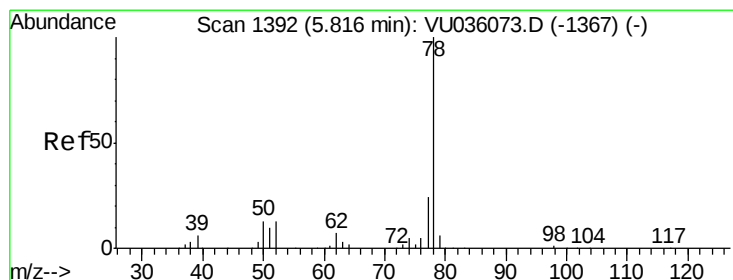
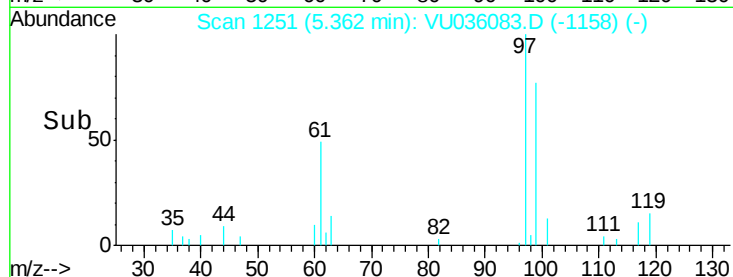
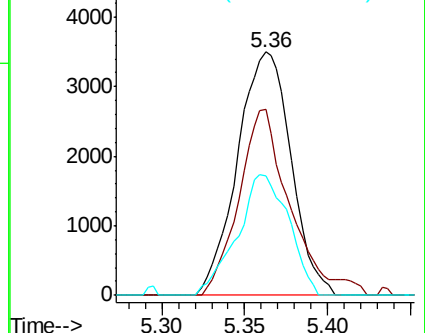
#29
 1,1,1-Trichloroethane
 Concen: 0.201 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036083.D
 Acq: 10 Dec 2019 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE41DL

Tot Ion: 97 Resp: 7890
 Ion Ratio Lower Upper
 97 100
 99 73.0 52.2 78.2
 61 47.4 34.7 52.1

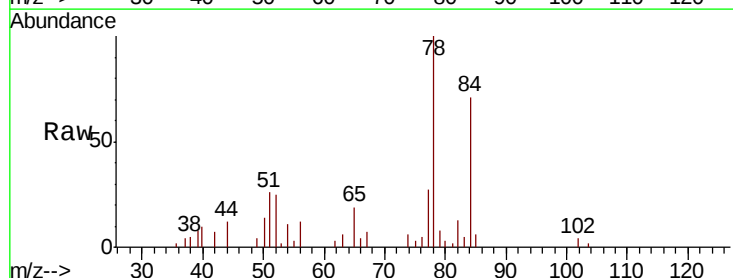


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

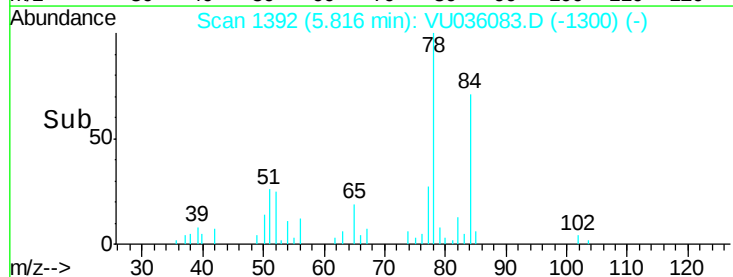
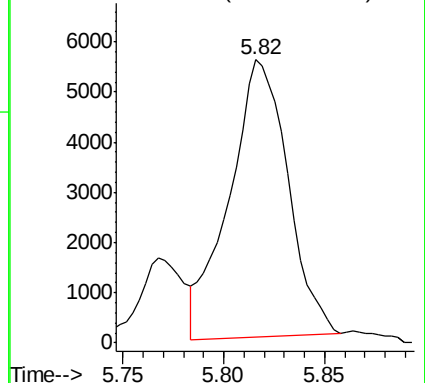


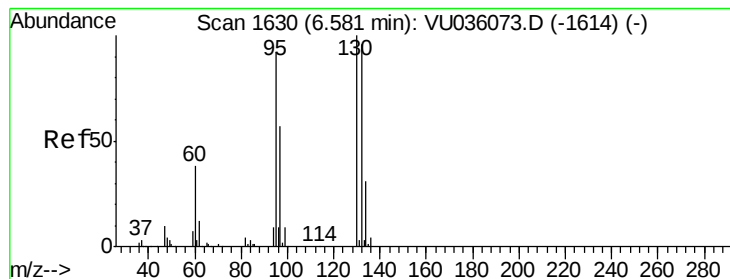
#33
 Benzene
 Concen: 0.118 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VU036083.D
 Acq: 10 Dec 2019 14:39

Tgt Ion: 78 Resp: 11237



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.268 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

BFE41DL

Tot Ion: 95 Resp: 461862

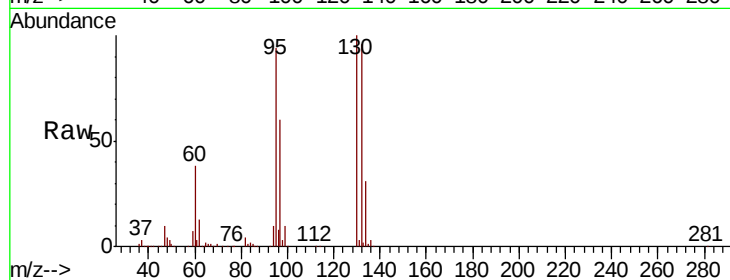
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 102.3 73.4 136.4

130 106.4 75.9 141.1

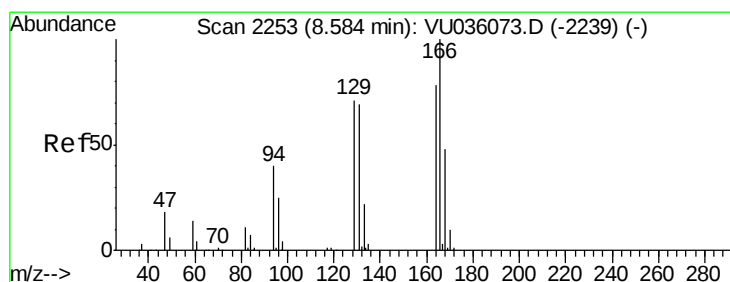
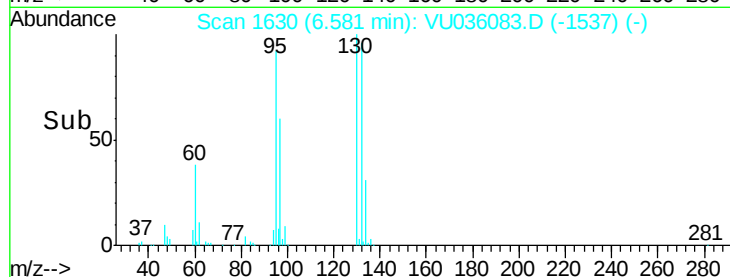
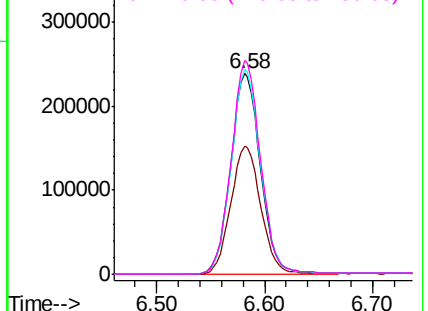


Abundance Ion 95.00 (94.70 to 95.70): VU036083.D (-2160) (-)

Ion 96.95 (96.65 to 97.65): VU036083.D (-2160) (-)

Ion 131.95 (131.65 to 132.65): VU036083.D (-2160) (-)

Ion 129.95 (129.65 to 130.65): VU036083.D (-2160) (-)



#47

Tetrachloroethene

Concen: 29.180 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036083.D

Acq: 10 Dec 2019 14:39

Tgt Ion: 164 Resp: 701402

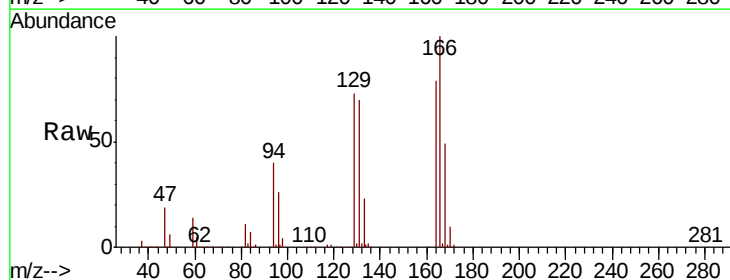
Ion Ratio Lower Upper

164 100

129 92.0 63.1 117.3

131 88.7 61.5 114.1

166 126.9 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): VU036083.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU036083.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036083.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036083.D (-2160) (-)

