

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121619\
 Data File : VU036244.D
 Acq On : 16 Dec 2019 19:20
 Operator : JC/MD
 Sample : K6275-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDS6

Quant Time: Dec 17 03:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 17 01:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	237217	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	260287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	82689	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	83098	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.93	69	83712	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.59	63	94276	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	4.68	46	182135	46.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.08%
24) Chloroform-d	5.11	84	153293	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.75	65	84828	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.77	84	290074	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.73	67	96899	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	239352	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	8.21	79	35878	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.68	63	155028	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	88319	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	78613	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

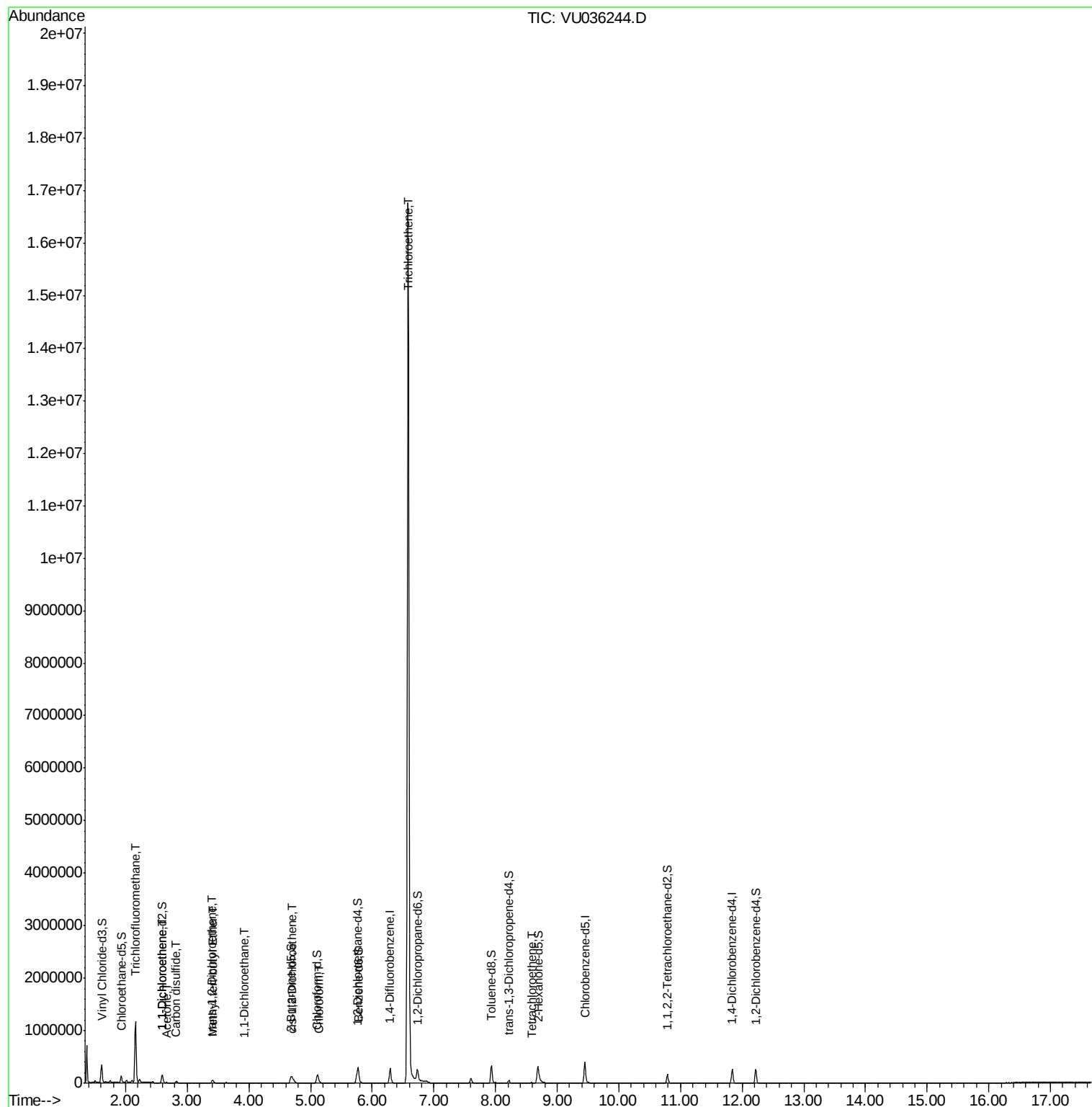
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	739264	18.611	ug/L	97
12) 1,1-Dichloroethene	2.61	96	8435	0.479	ug/L #	1
13) Acetone	2.66	43	11691	3.428	ug/L	96
14) Carbon disulfide	2.82	76	44321	0.751	ug/L	100
17) Methyl tert-butyl Ether	3.41	73	50391	1.336	ug/L #	90
18) trans-1,2-Dichloroethene	3.39	96	1933	0.105	ug/L	89
19) 1,1-Dichloroethane	3.92	63	8123	0.239	ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	27575	1.395	ug/L	91
25) Chloroform	5.14	83	15996	0.435	ug/L	98
34) Trichloroethene	6.58	95	5728711	277.779	ug/L	97
47) Tetrachloroethene	8.58	164	3003	0.161	ug/L	83

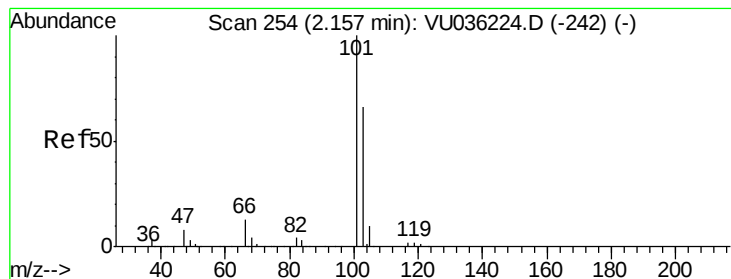
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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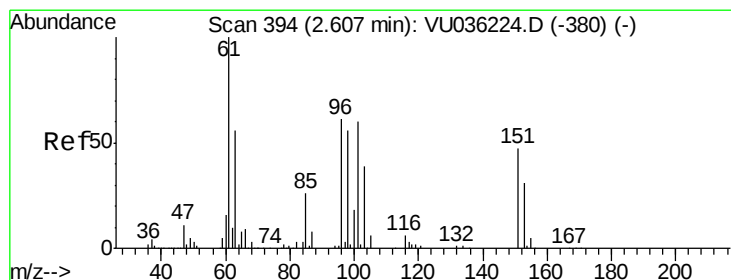
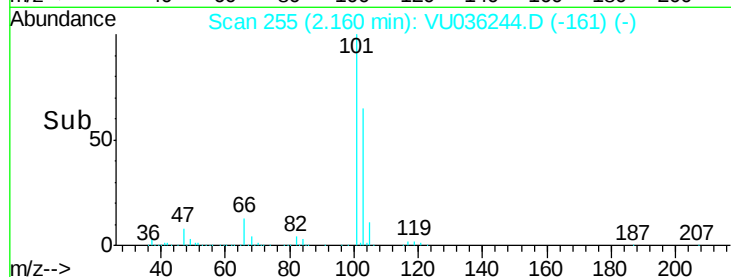
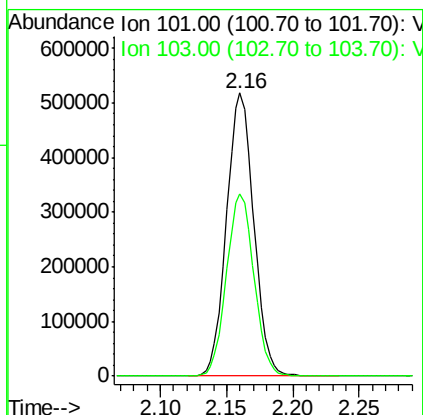
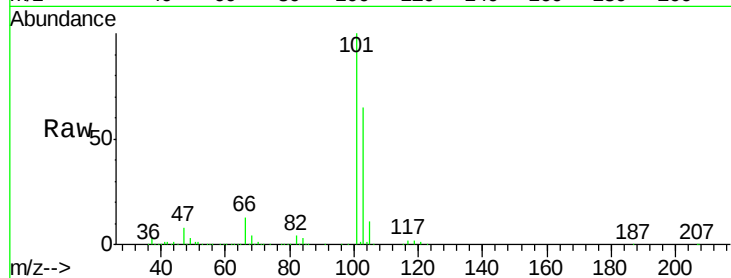


#9

Trichlorofluoromethane
 Concen: 18.611 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU036244.D
 Acq: 16 Dec 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDS6

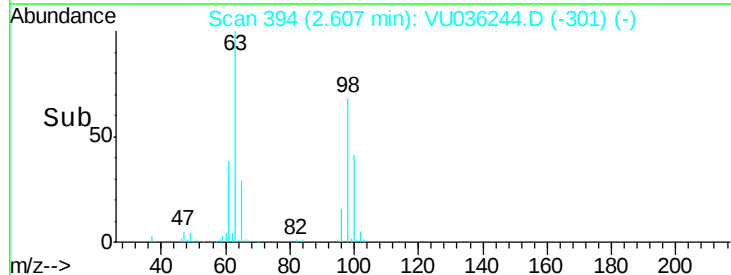
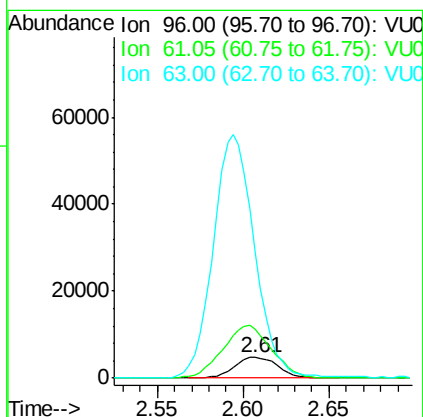
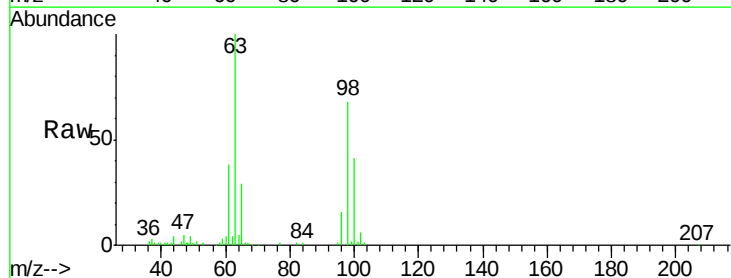
Tot Ion:101 Resp: 739264
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.4 75.6

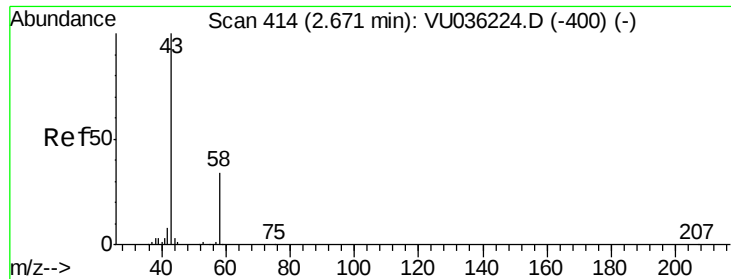


#12

1,1-Dichloroethene
 Concen: 0.479 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036244.D
 Acq: 16 Dec 2019 19:20

Tgt Ion: 96 Resp: 8435
 Ion Ratio Lower Upper
 96 100
 61 236.7 114.0 211.8#
 63 619.6 63.6 118.0#





#13

Acetone

Concen: 3.428 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036244.D

Acq: 16 Dec 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

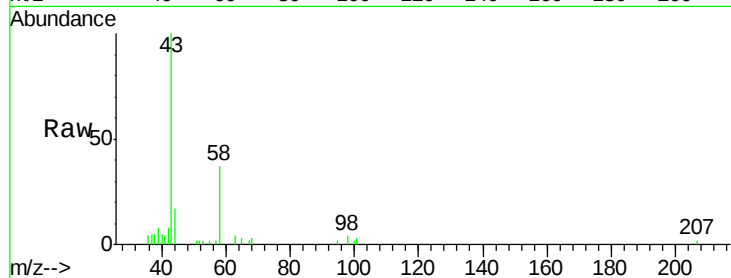
BFDS6

Tot Ion: 43 Resp: 11691

Ion Ratio Lower Upper

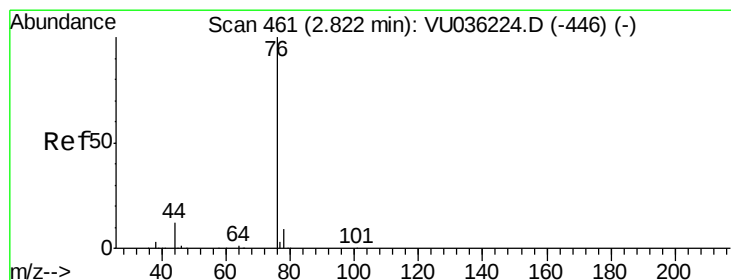
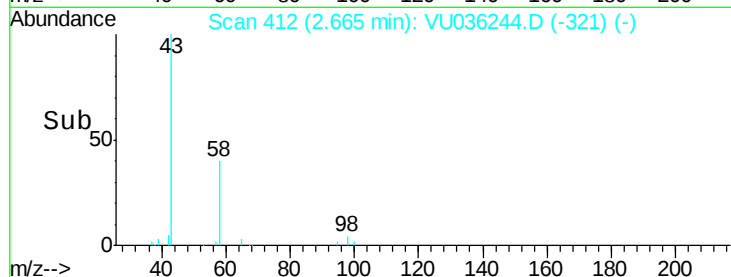
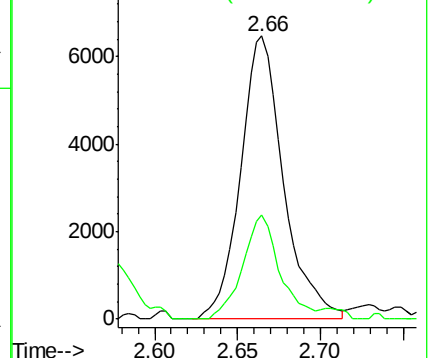
43 100

58 31.6 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036224.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036224.D (-400) (-)



#14

Carbon disulfide

Concen: 0.751 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036244.D

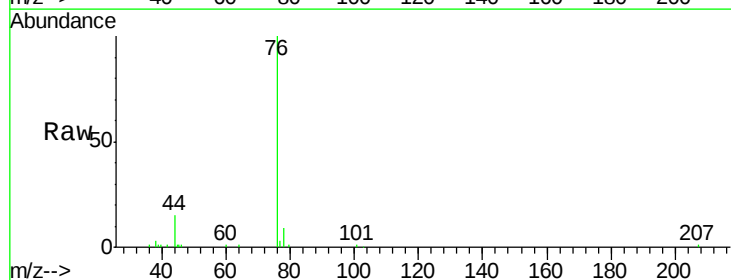
Acq: 16 Dec 2019 19:20

Tgt Ion: 76 Resp: 44321

Ion Ratio Lower Upper

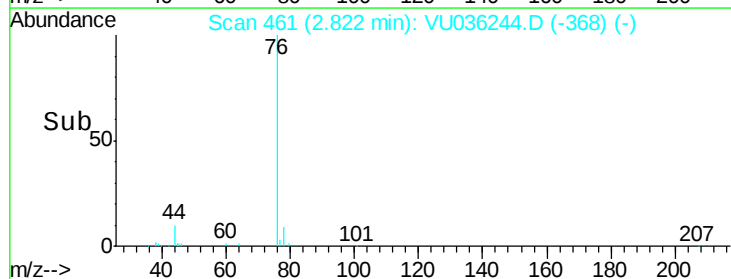
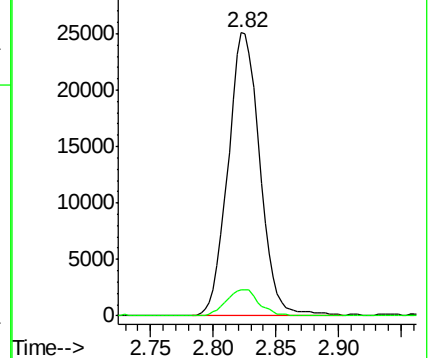
76 100

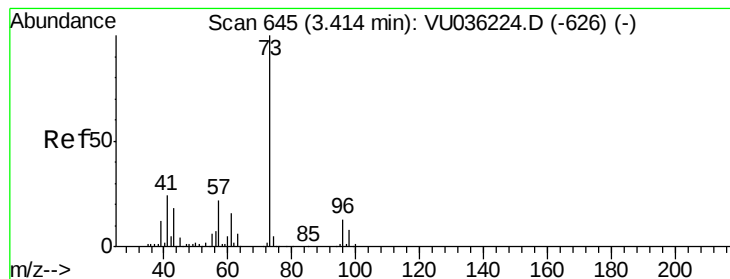
78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036224.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036224.D (-446) (-)



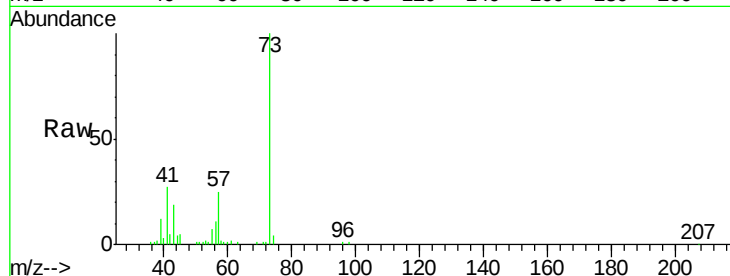


#17

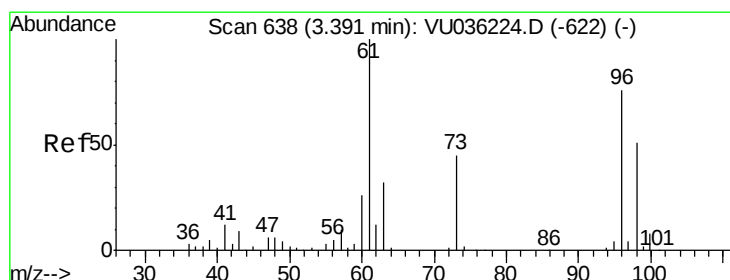
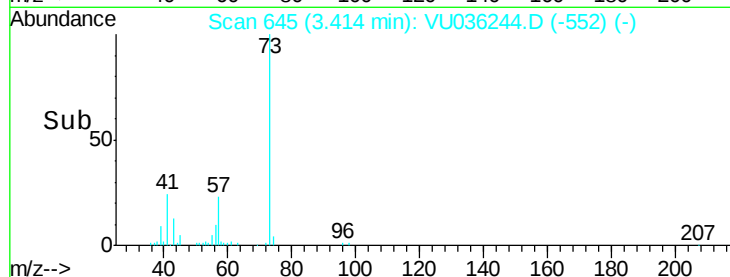
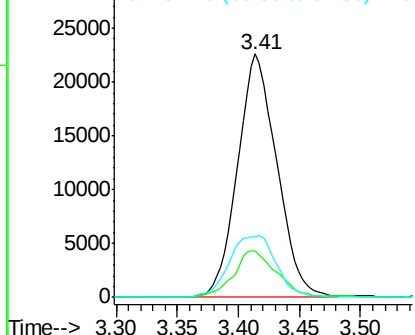
Methvl tert-butvl Ether
 Concen: 1.336 ug/L
 RT: 3.41 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VU036244.D
 Acq: 16 Dec 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDS6

Tot Ion: 73 Resp: 50391
 Ion Ratio Lower Upper
 73 100
 43 20.9 15.3 22.9
 57 30.0 18.2 27.2#



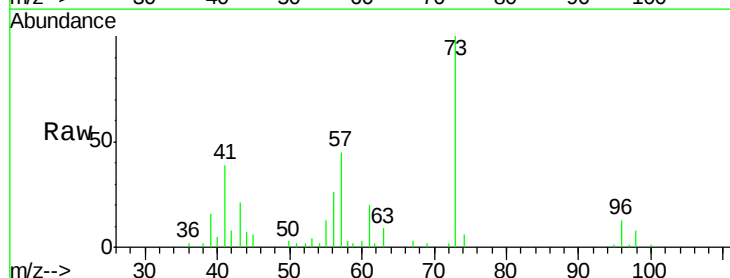
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



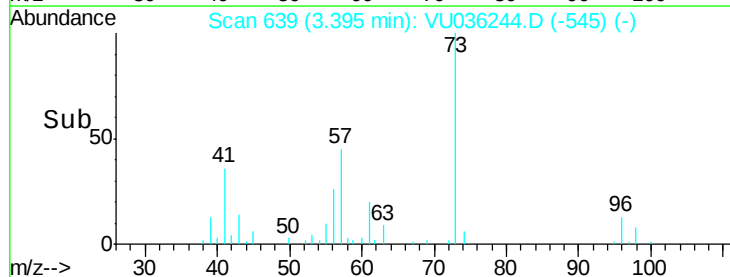
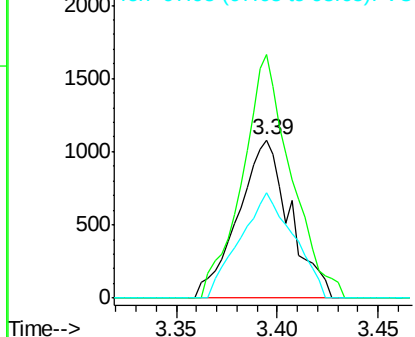
#18

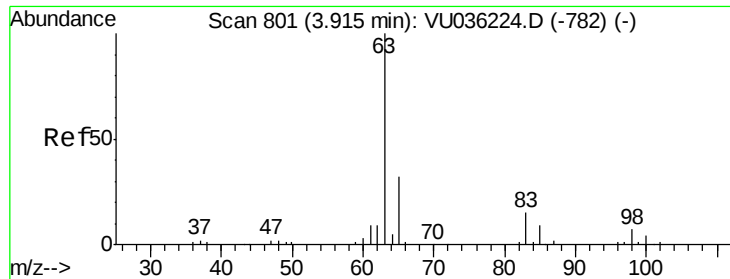
trans-1,2-Dichloroethene
 Concen: 0.105 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU036244.D
 Acq: 16 Dec 2019 19:20

Tgt Ion: 96 Resp: 1933
 Ion Ratio Lower Upper
 96 100
 61 154.1 94.8 176.2
 98 66.4 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





#19

1,1-Dichloroethane

Concen: 0.239 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036244.D

Acq: 16 Dec 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

BFDS6

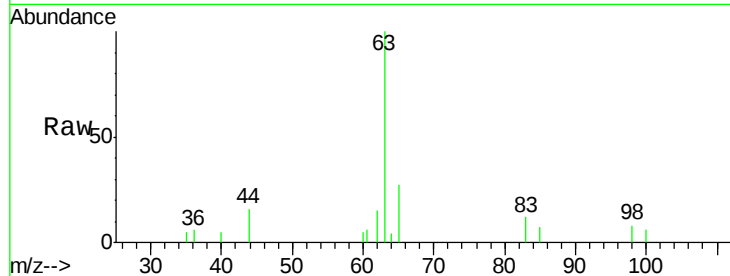
Tot Ion: 63 Resp: 8123

Ion Ratio Lower Upper

63 100

65 27.5 22.6 42.0

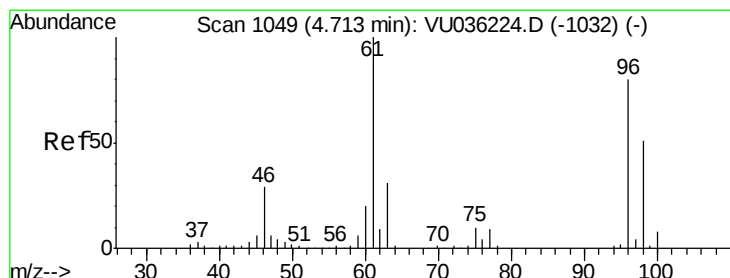
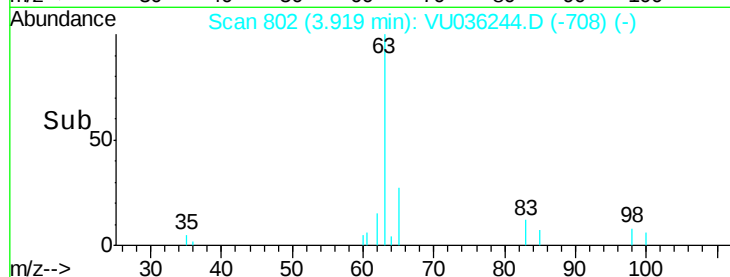
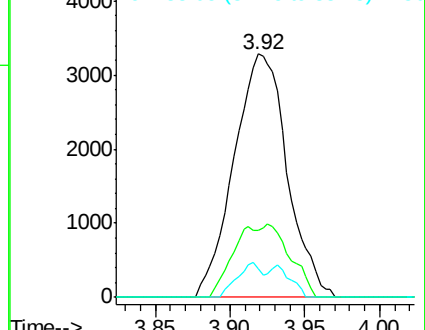
83 11.7 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VU036224.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036224.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036224.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.395 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036244.D

Acq: 16 Dec 2019 19:20

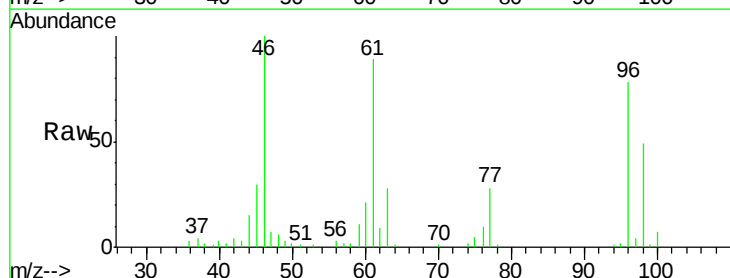
Tgt Ion: 96 Resp: 27575

Ion Ratio Lower Upper

96 100

61 114.1 86.7 161.1

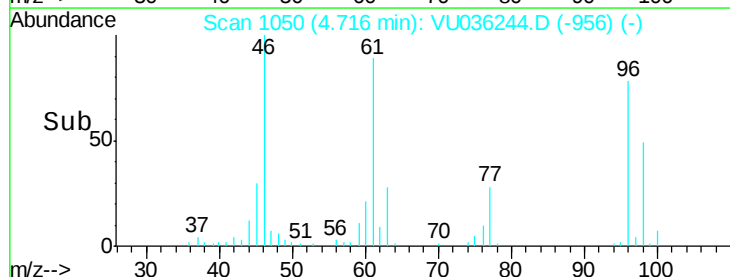
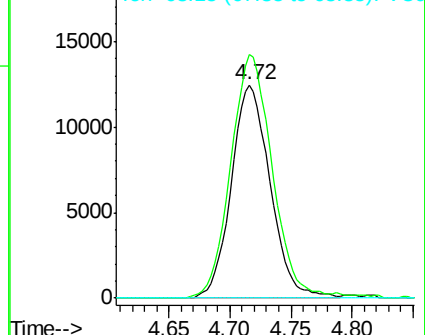
68 0.0 0.0 0.0

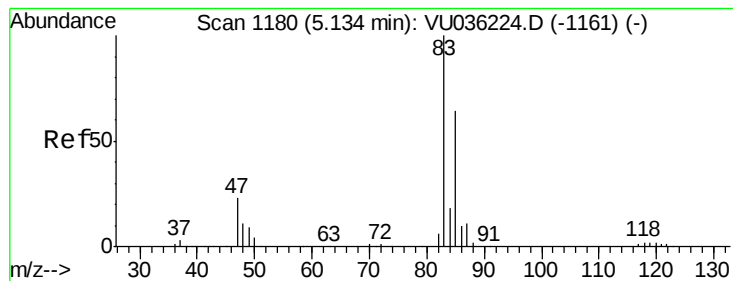


Abundance Ion 96.00 (95.70 to 96.70): VU036224.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036224.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036224.D (-1032) (-)





#25

Chloroform

Concen: 0.435 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036244.D

Acq: 16 Dec 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

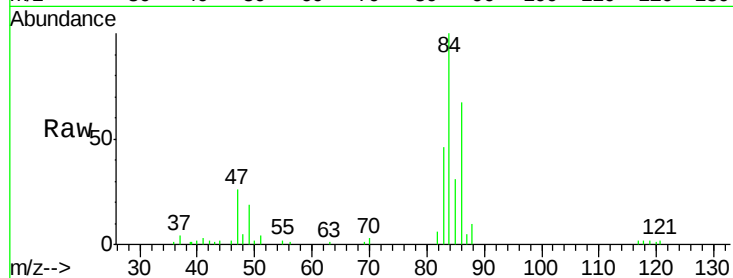
BFDS6

Tot Ion: 83 Resp: 15996

Ion Ratio Lower Upper

83 100

85 66.4 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.14

8000

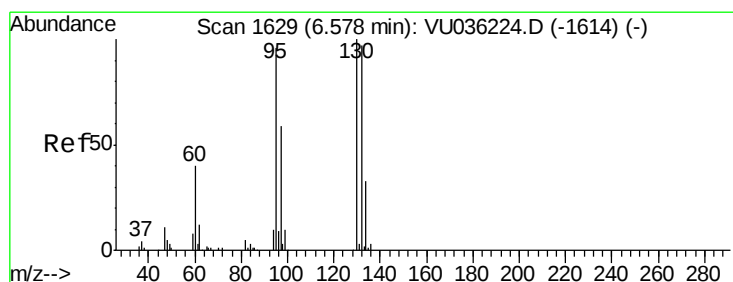
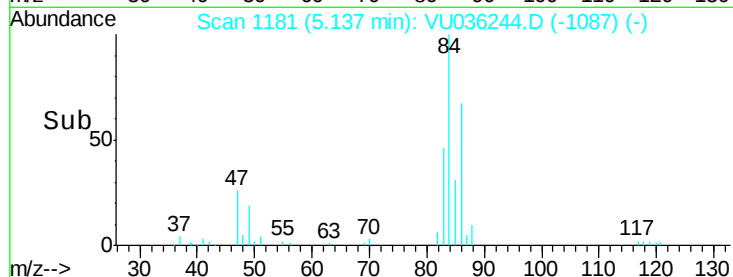
6000

4000

2000

0

Time-->



#34

Trichloroethene

Concen: 277.779 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VU036244.D

Acq: 16 Dec 2019 19:20

Tgt Ion: 95 Resp: 5728711

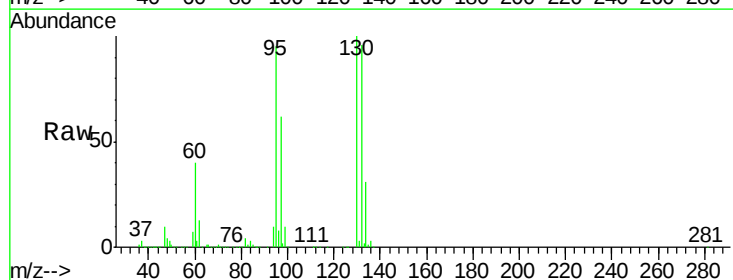
Ion Ratio Lower Upper

95 100

97 64.8 43.6 81.0

132 100.7 69.6 129.2

130 105.0 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

5000000

4000000

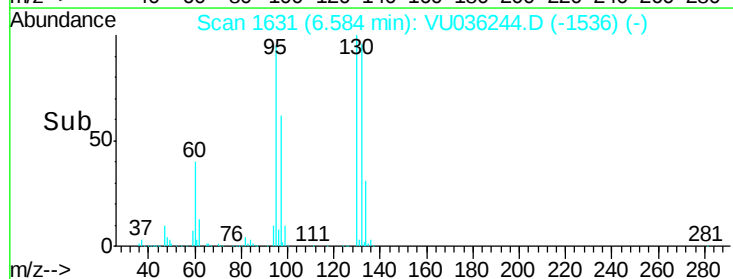
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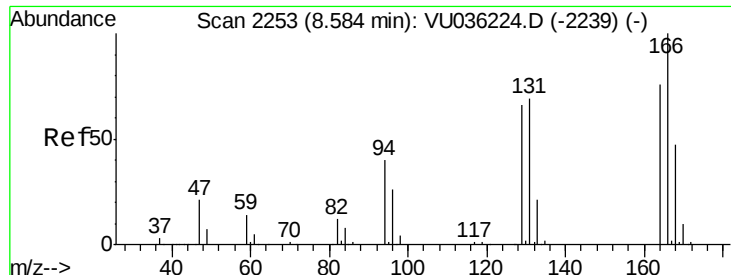
2000000

1000000

0

Time-->





#47

Tetrachloroethene

Concen: 0.161 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036244.D

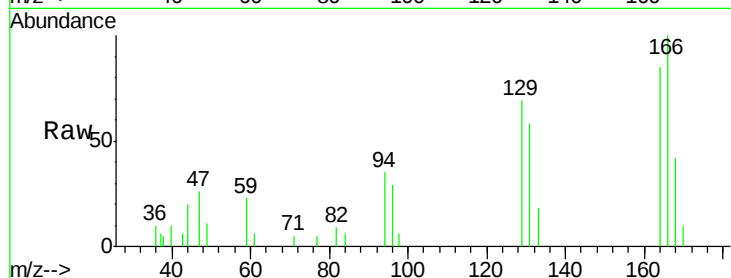
Acq: 16 Dec 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

BFDS6



Tot Ion:164 Resp: 3003

Ion Ratio Lower Upper

164 100

129 81.3 64.2 119.2

131 68.3 66.6 123.8

166 117.5 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

