

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036091.D
 Acq On : 10 Dec 2019 18:22
 Operator : JC/MD
 Sample : K6168-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE45

Quant Time: Dec 11 08:02:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	277910	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	311043	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	128382	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.93	69	116378	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.59	63	146712	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.69	46	205847	48.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	5.11	84	188557	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	102337	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.77	84	387654	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.73	67	125024	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.93	98	319063	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.22	79	43669	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.70	63	157790	44.07	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99883	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	77725	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

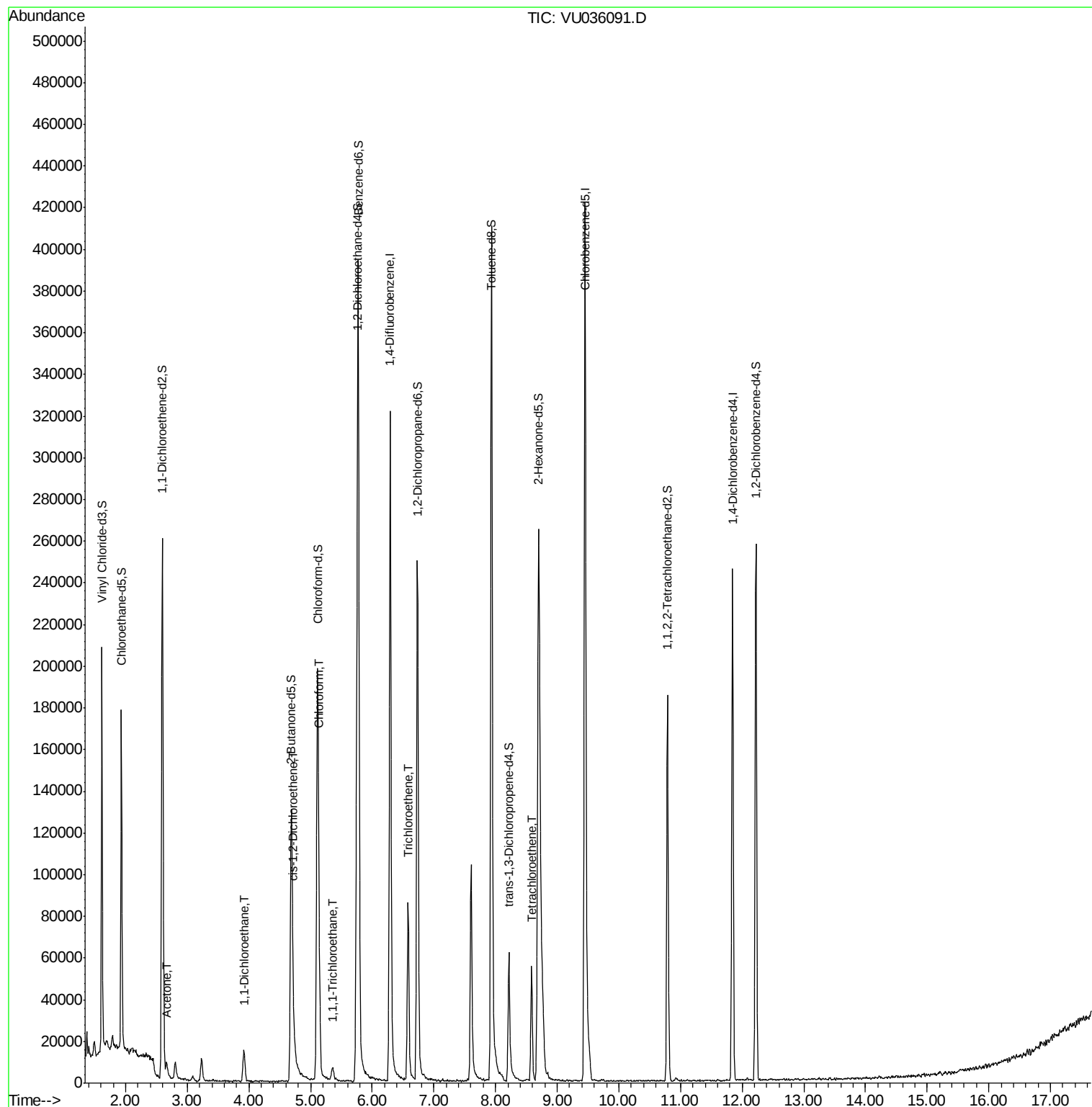
					Ovalue
13) Acetone	2.66	43	7723	1.441 ug/L	90
19) 1,1-Dichloroethane	3.92	63	18331	0.495 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	2622	0.121 ug/L	99
25) Chloroform	5.14	83	39552	0.958 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	4178	0.119 ug/L	93
34) Trichloroethene	6.58	95	30308	1.343 ug/L	99
47) Tetrachloroethene	8.58	164	14613	0.681 ug/L	93

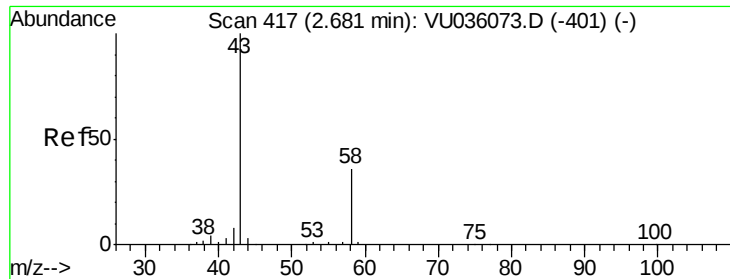
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.441 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

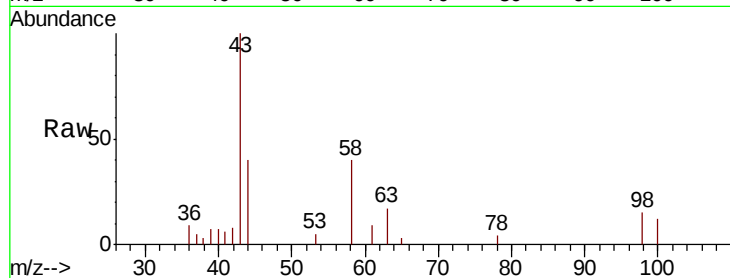
BFE45

Tot Ion: 43 Resp: 7723

Ion Ratio Lower Upper

43 100

58 31.2 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036091.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036091.D (-324) (-)

2.66

4000

3000

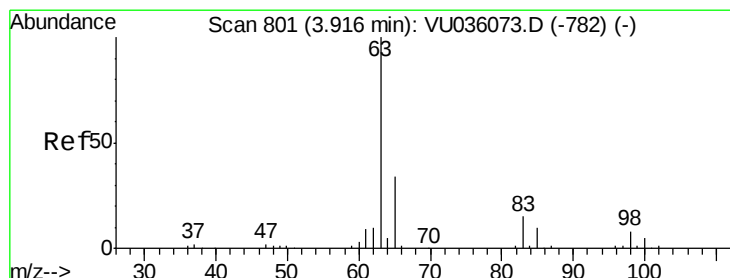
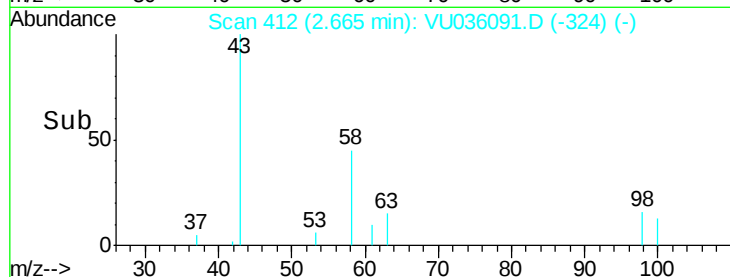
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#19

1,1-Dichloroethane

Concen: 0.495 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

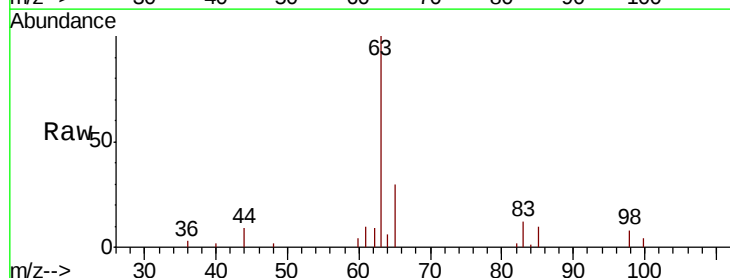
Tgt Ion: 63 Resp: 18331

Ion Ratio Lower Upper

63 100

65 30.2 21.8 40.4

83 12.0 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036091.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU036091.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU036091.D (-708) (-)

3.92

10000

8000

6000

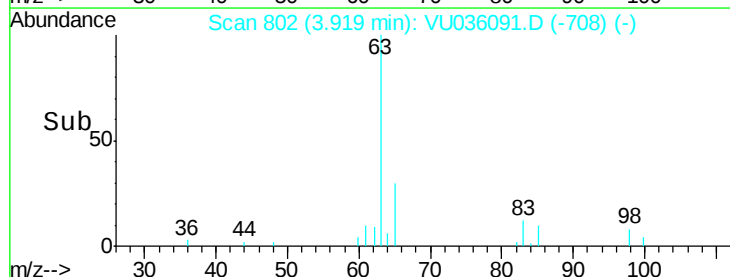
4000

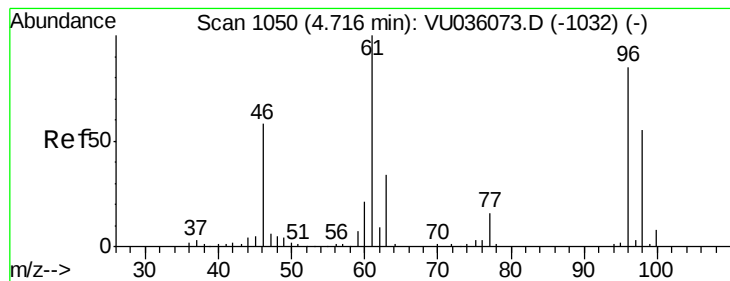
2000

0

Time-->

3.80 3.90 4.00





#22

cis-1,2-Dichloroethene

Concen: 0.121 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036091.D

Acq: 10 Dec 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

BFE45

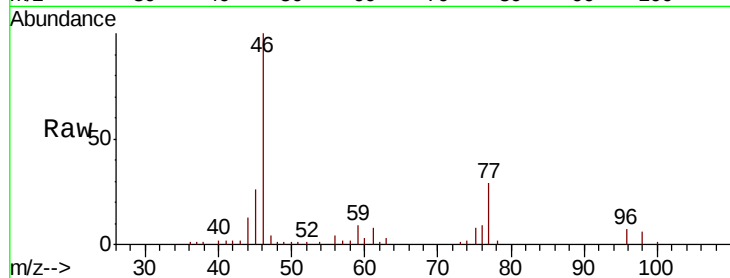
Tot Ion: 96 Resp: 2622

Ion Ratio Lower Upper

96 100

61 116.9 83.0 154.2

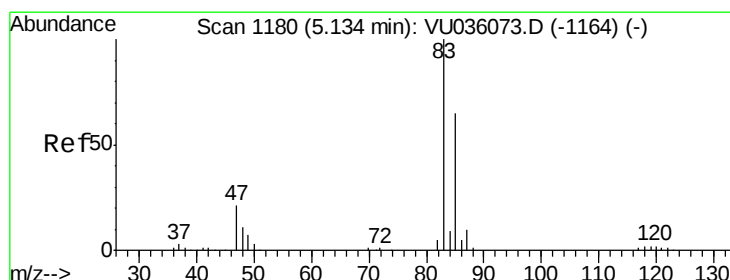
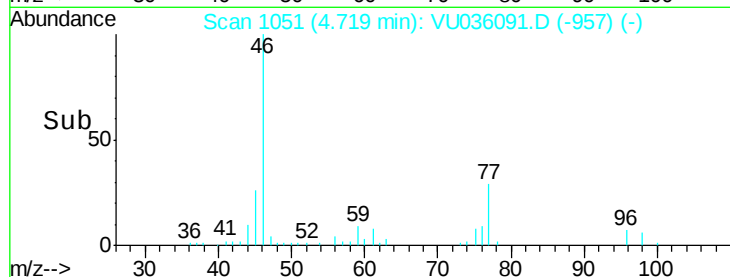
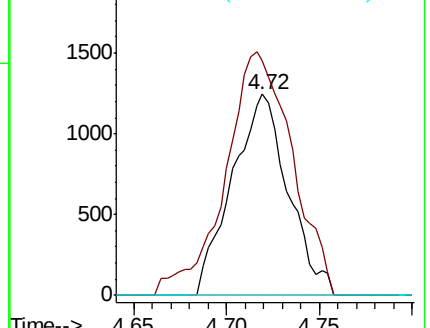
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036091.D (-1057) (-)

Ion 61.05 (60.75 to 61.75): VU036091.D (-1057) (-)

Ion 68.15 (67.85 to 68.85): VU036091.D (-1057) (-)



#25

Chloroform

Concen: 0.958 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036091.D

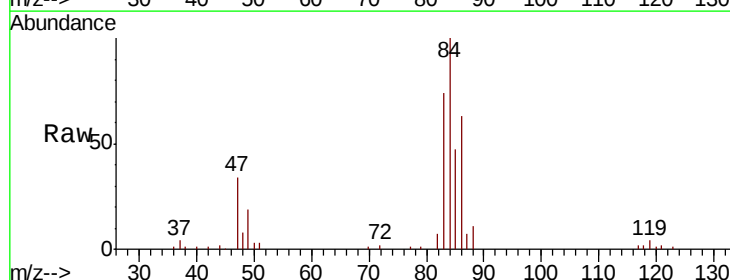
Acq: 10 Dec 2019 18:22

Tgt Ion: 83 Resp: 39552

Ion Ratio Lower Upper

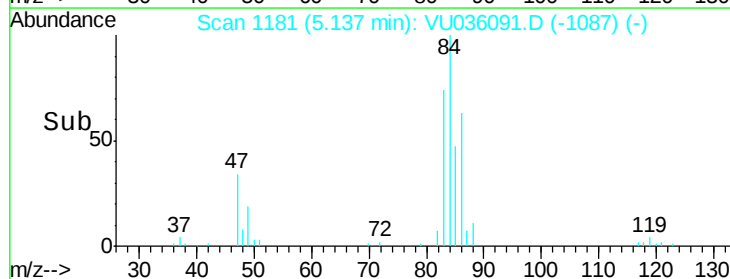
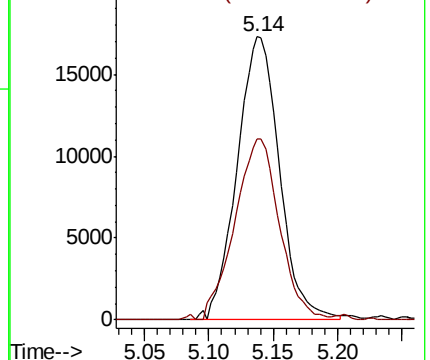
83 100

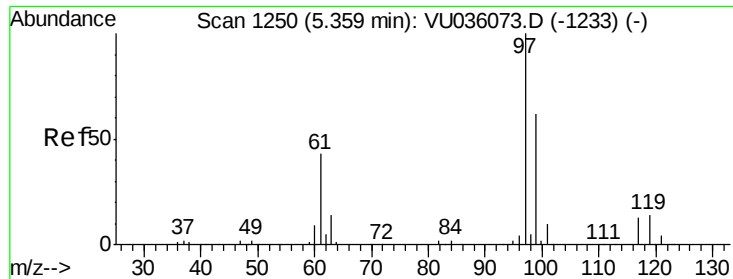
85 63.9 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036091.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036091.D (-1087) (-)

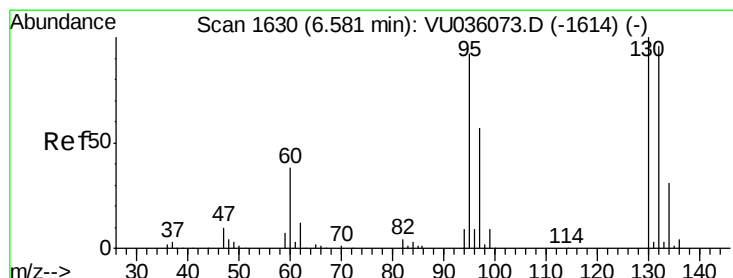
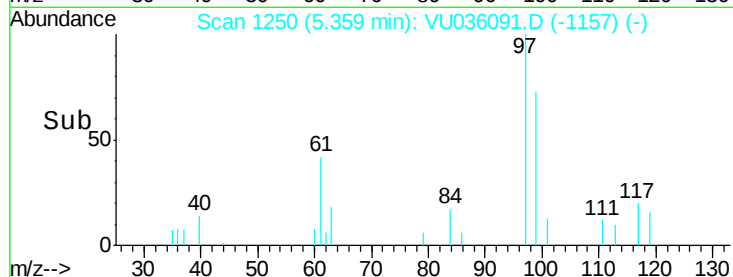
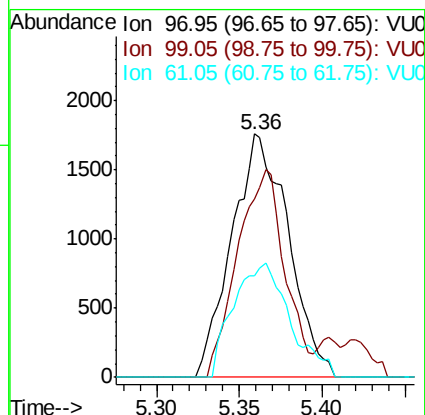
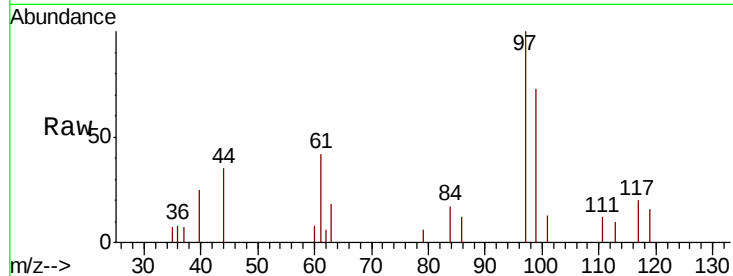




#29
1,1,1-Trichloroethane
Concen: 0.119 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

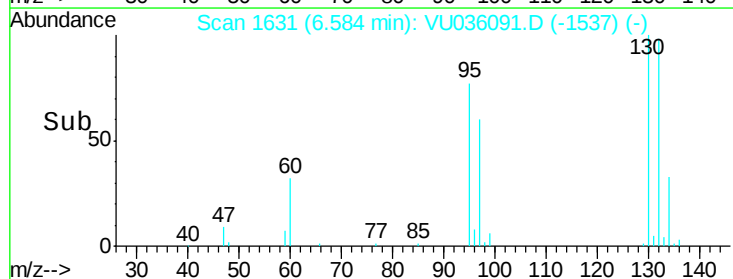
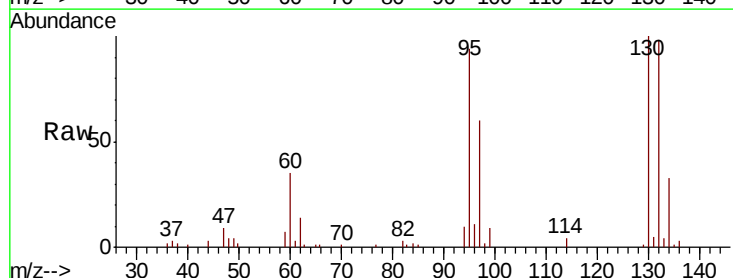
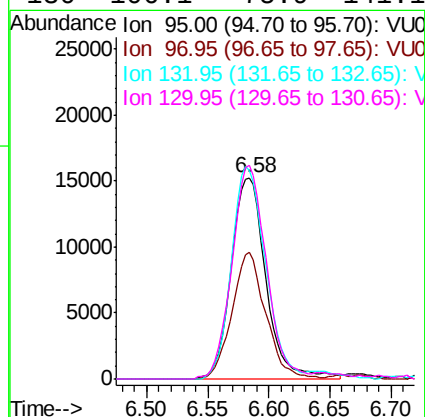
Instrument :
MSVOA_U
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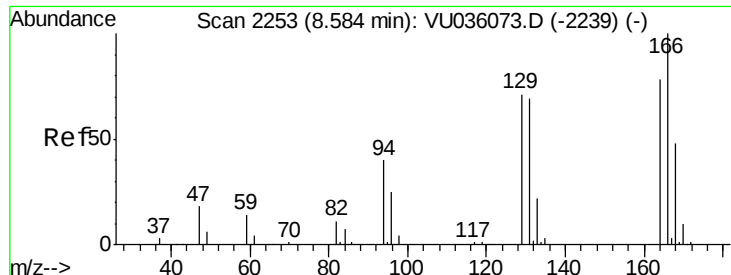
Tot Ion: 97 Resp: 4178
Ion Ratio Lower Upper
97 100
99 71.7 52.2 78.2
61 46.9 34.7 52.1



#34
Trichloroethene
Concen: 1.343 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU036091.D
Acq: 10 Dec 2019 18:22

Tgt Ion: 95 Resp: 30308
Ion Ratio Lower Upper
95 100
97 63.1 44.4 82.4
132 103.8 73.4 136.4
130 106.1 75.9 141.1





#47

Tetrachloroethene

Concen: 0.681 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036091.D

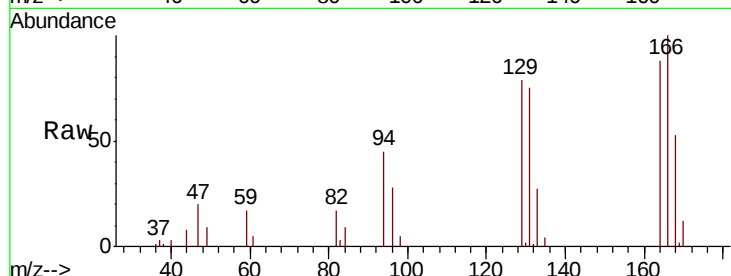
Acq: 10 Dec 2019 18:22

Instrument :

MSVOA_U

ClientSampleId :

BFE45



Tot Ion:164 Resp: 14613

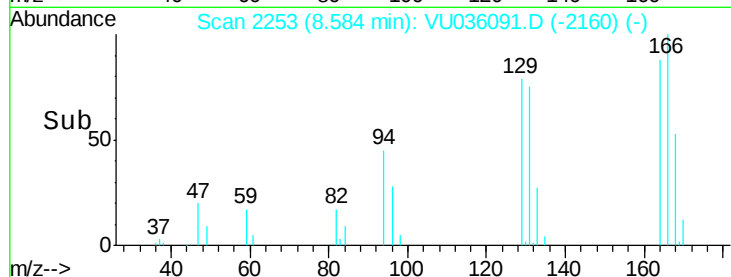
Ion Ratio Lower Upper

164 100

129 89.8 63.1 117.3

131 84.5 61.5 114.1

166 113.4 91.0 169.0



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

