

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121019\
 Data File : VU036075.D
 Acq On : 10 Dec 2019 11:21
 Operator : JC/MD
 Sample : K6168-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE45

Quant Time: Dec 11 06:46:22 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	193092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	186322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	37892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	107648	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.93	69	112997	6.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.00%
11) 1,1-Dichloroethene-d2	2.59	63	108882	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.69	46	207558	70.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.54%#
24) Chloroform-d	5.11	84	176498	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.20%#
26) 1,2-Dichloroethane-d4	5.75	65	102930	7.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	142.40%#
32) Benzene-d6	5.77	84	324595	6.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	137.60%#
36) 1,2-Dichloropropane-d6	6.73	67	114858	8.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	161.60%#
41) Toluene-d8	7.93	98	215528	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.22	79	30278	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.70	63	131620	61.36	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90613	6.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	138.60%#
64) 1,2-Dichlorobenzene-d4	12.22	152	47771	6.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	131.00%#

Target Compounds

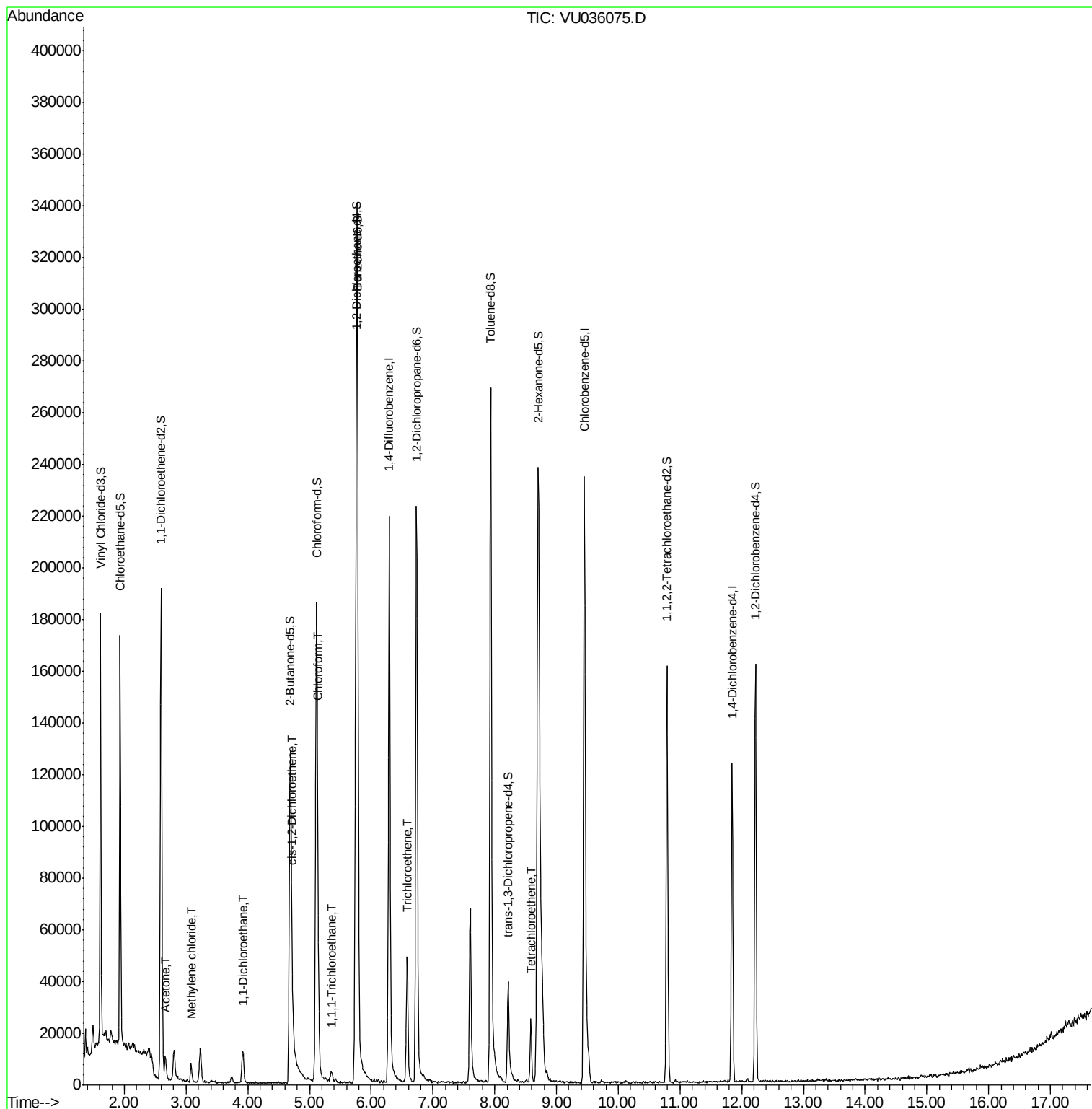
					Ovalue
13) Acetone	2.67	43	8648	2.323	ug/L 100
16) Methylene chloride	3.08	84	3575	0.183	ug/L 98
19) 1,1-Dichloroethane	3.93	63	14245	0.554	ug/L 93
22) cis-1,2-Dichloroethene	4.72	96	2256	0.150	ug/L 79
25) Chloroform	5.14	83	31595	1.102	ug/L 100
29) 1,1,1-Trichloroethane	5.37	97	2823	0.134	ug/L 95
34) Trichloroethene	6.58	95	16766	1.240	ug/L 91
47) Tetrachloroethene	8.58	164	5964	0.464	ug/L 97

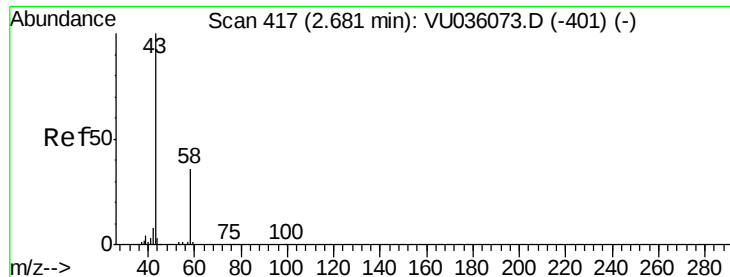
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.323 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

ClientSampleId :

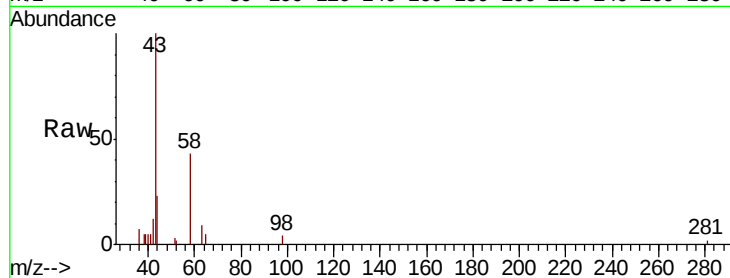
BFE45

Tot Ion: 43 Resp: 8648

Ion Ratio Lower Upper

43 100

58 37.3 0.0 74.2

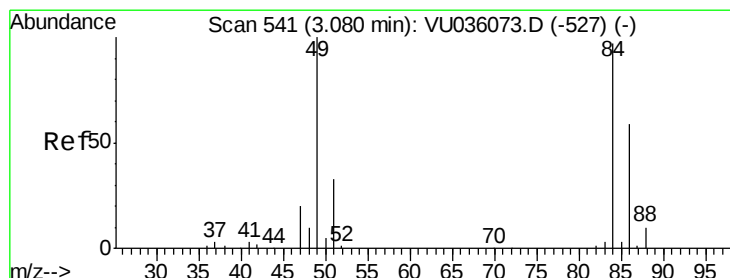
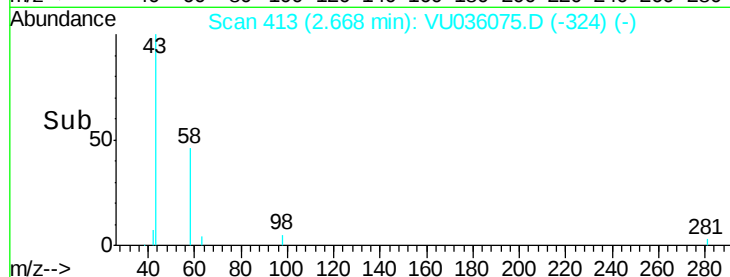


Abundance Ion 43.05 (42.75 to 43.75): VU036073.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036073.D (-401) (-)

2.67

Time-->



#16

Methylene chloride

Concen: 0.183 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

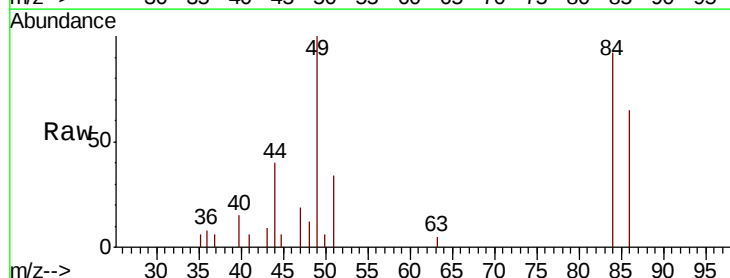
Tgt Ion: 84 Resp: 3575

Ion Ratio Lower Upper

84 100

86 70.6 47.5 88.3

49 108.4 76.9 142.9



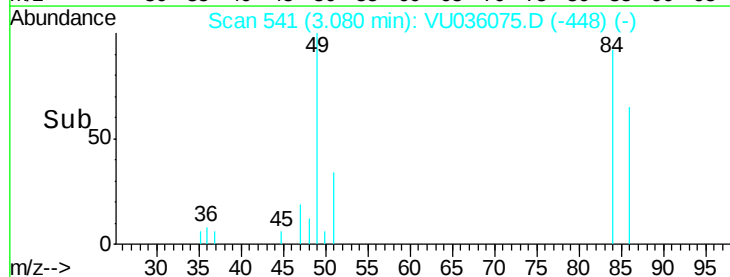
Abundance Ion 84.05 (83.75 to 84.75): VU036073.D (-527) (-)

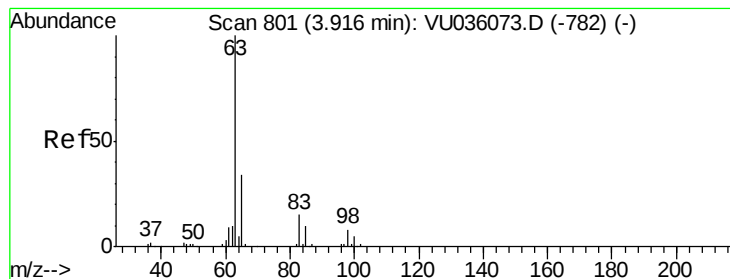
Ion 86.00 (85.70 to 86.70): VU036073.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036073.D (-527) (-)

3.08

Time-->





#19

1,1-Dichloroethane

Concen: 0.554 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.01 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

ClientSampleId :

BFE45

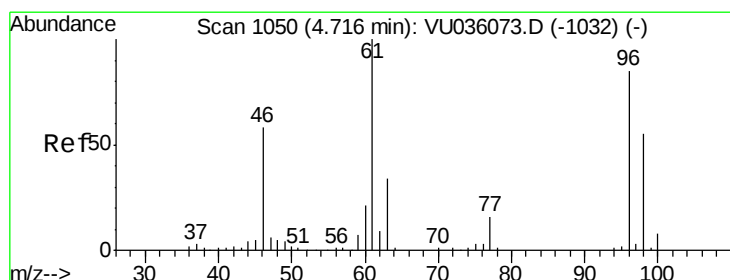
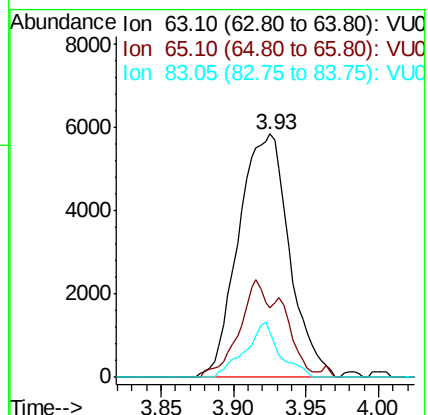
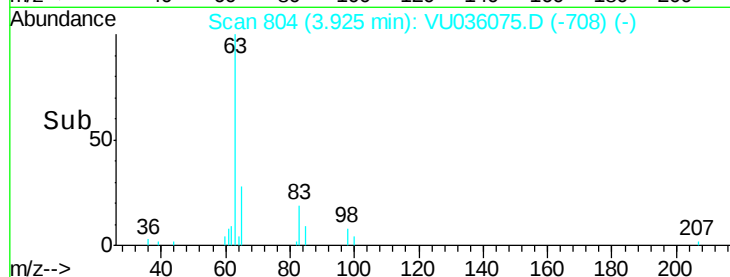
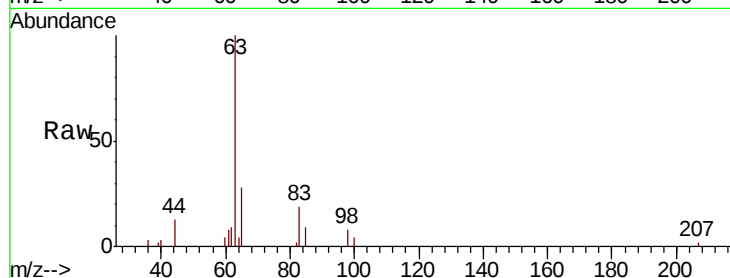
Tot Ion: 63 Resp: 14245

Ion Ratio Lower Upper

63 100

65 28.5 21.8 40.4

83 18.8 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

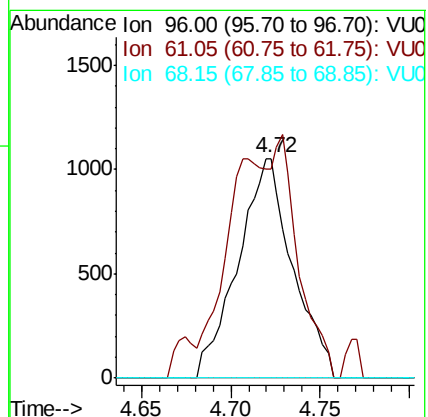
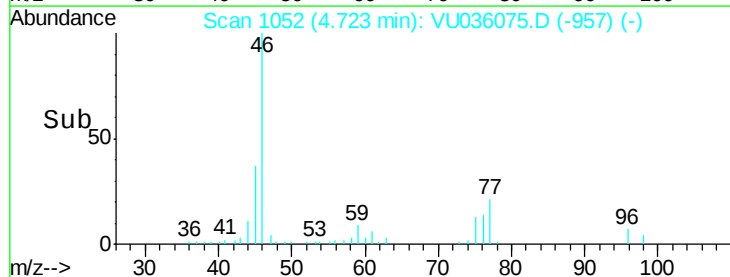
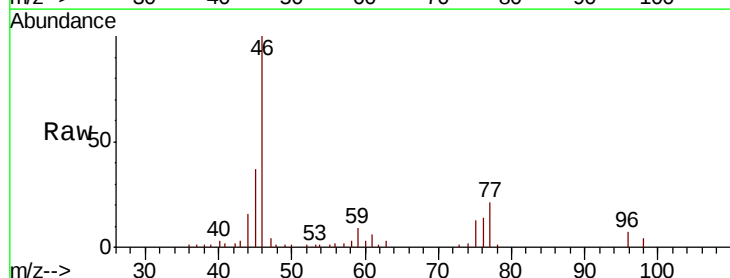
Tgt Ion: 96 Resp: 2256

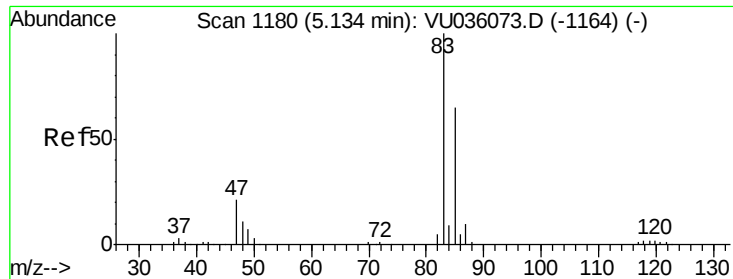
Ion Ratio Lower Upper

96 100

61 95.4 83.0 154.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.102 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

ClientSampleId :

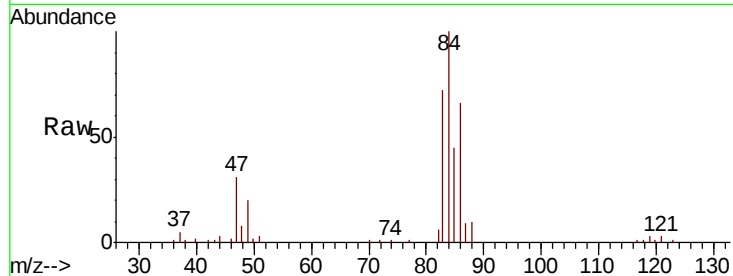
BFE45

Tot Ion: 83 Resp: 31595

Ion Ratio Lower Upper

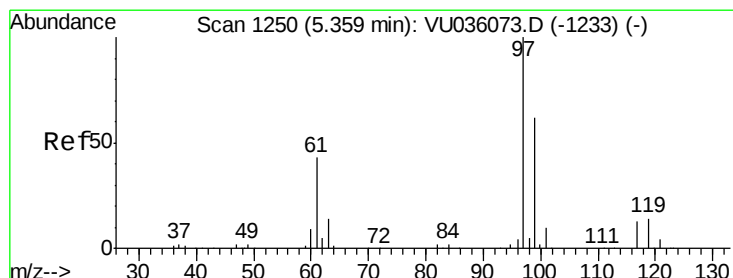
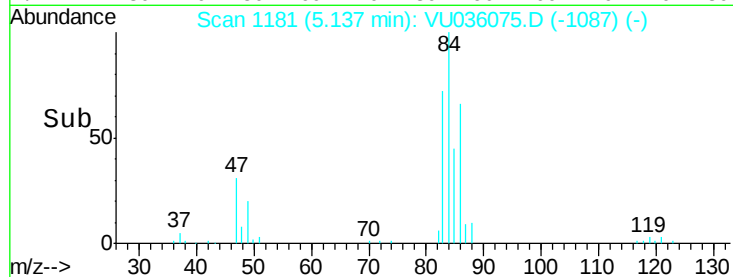
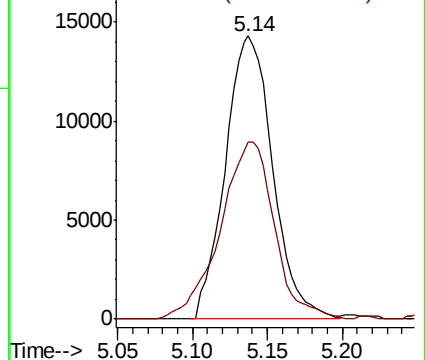
83 100

85 62.6 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#29

1,1,1-Trichloroethane

Concen: 0.134 ug/L

RT: 5.37 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

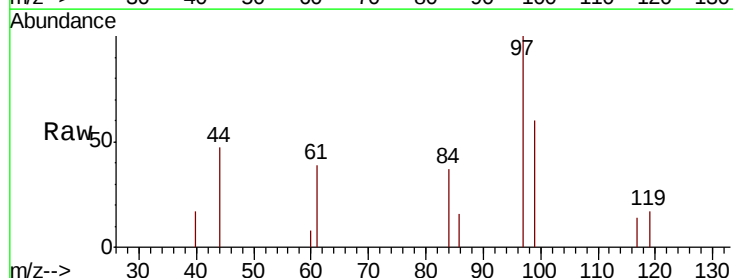
Tgt Ion: 97 Resp: 2823

Ion Ratio Lower Upper

97 100

99 63.2 52.2 78.2

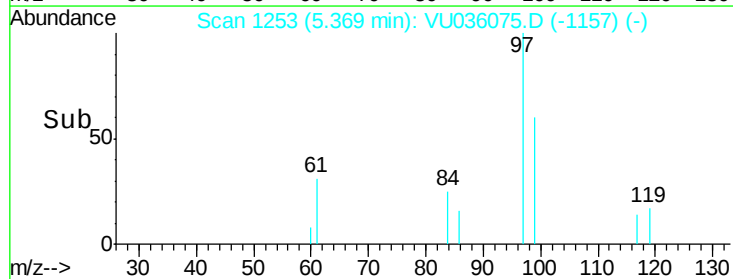
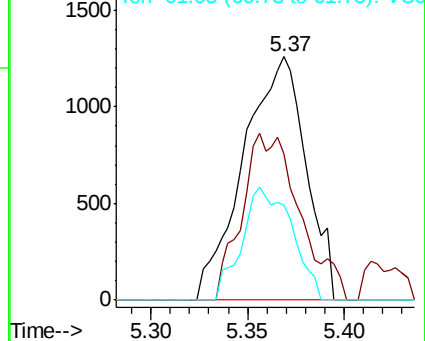
61 37.2 34.7 52.1

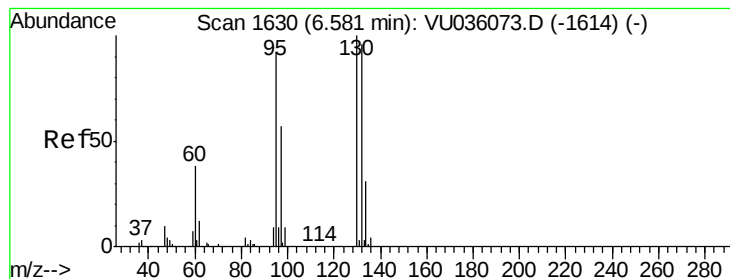


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 1.240 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Instrument :

MSVOA_U

ClientSampleId :

BFE45

Tot Ion: 95 Resp: 16766

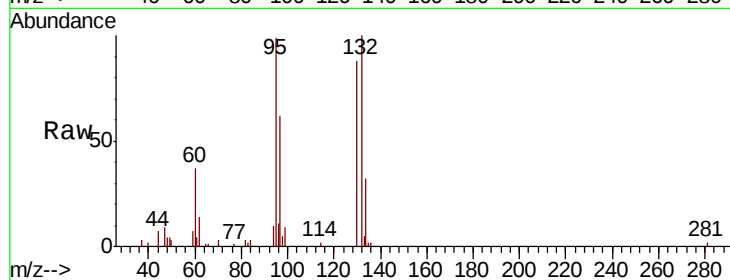
Ion Ratio Lower Upper

95 100

97 62.4 44.4 82.4

132 101.3 73.4 136.4

130 89.4 75.9 141.1

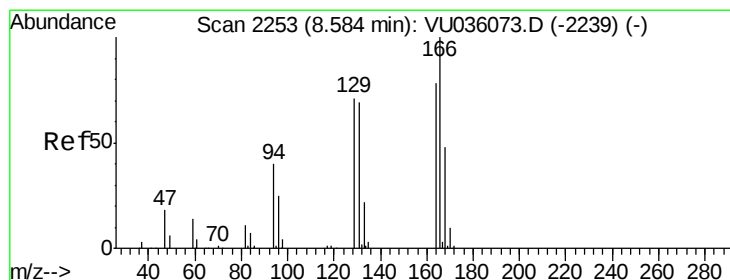
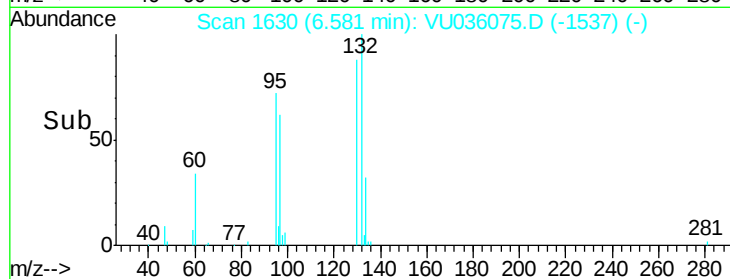
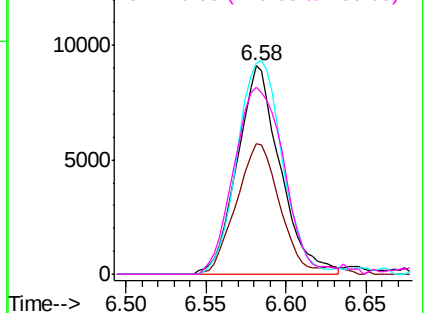


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.464 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036075.D

Acq: 10 Dec 2019 11:21

Tgt Ion:164 Resp: 5964

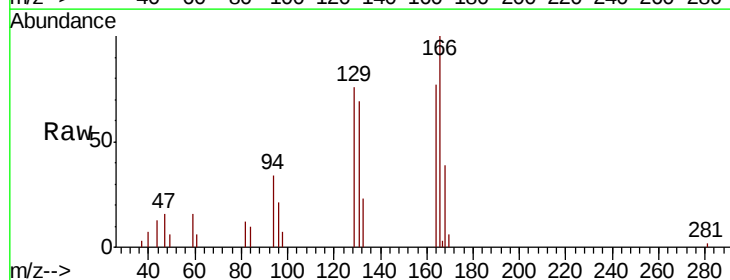
Ion Ratio Lower Upper

164 100

129 99.2 63.1 117.3

131 89.5 61.5 114.1

166 130.0 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

