

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
 Data File : VU030777.D
 Acq On : 06 Apr 2019 05:38
 Operator : JC/SP
 Sample : K2249-08DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE1DL

Quant Time: Apr 08 02:25:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 01:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	439531	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	418724	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174560	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202345	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.14%
7) Chloroethane-d5	1.67	69	159509	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.12%
11) 1,1-Dichloroethene-d2	2.27	63	274791	38.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.44%
21) 2-Butanone-d5	4.17	46	344126	110.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.66%
24) Chloroform-d	4.64	84	296449	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.31	65	216952	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.10%
32) Benzene-d6	5.34	84	629969	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.08%
36) 1,2-Dichloropropane-d6	6.32	67	221959	52.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.96%
41) Toluene-d8	7.56	98	514571	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.85	79	91069	47.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.34%
47) 2-Hexanone-d5	8.31	63	195049	101.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290038	51.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	173274	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%

Target Compounds

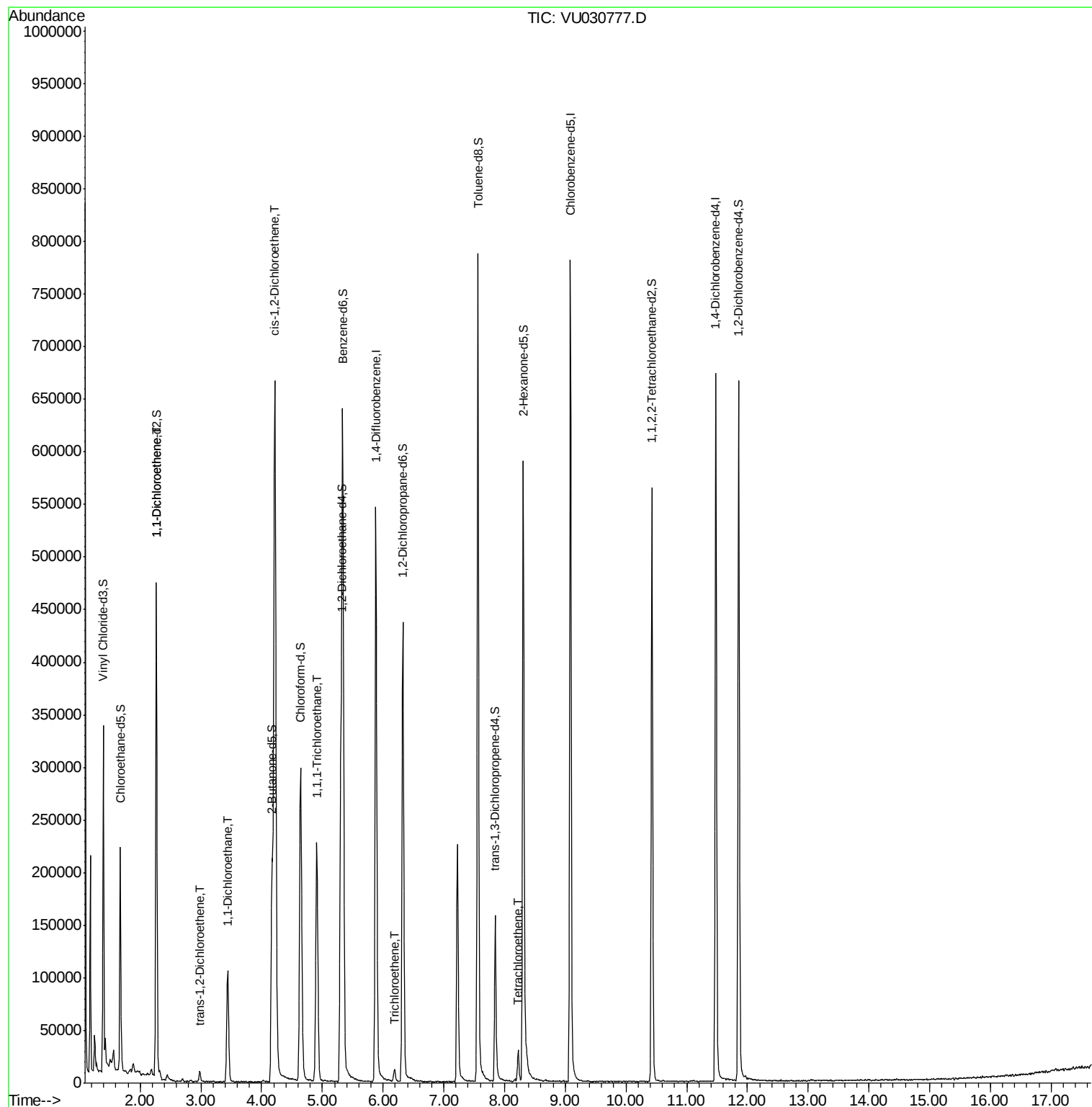
					Ovalue
12) 1,1-Dichloroethene	2.28	96	10852	3.572 ug/L #	1
17) trans-1,2-Dichloroethene	2.98	96	3569	1.106 ug/L #	82
19) 1,1-Dichloroethane	3.44	63	118176	17.751 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	353424	99.220 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	176052	34.500 ug/L	98
34) Trichloroethene	6.19	95	3991	1.188 ug/L	85
46) Tetrachloroethene	8.22	164	7098	2.905 ug/L	92

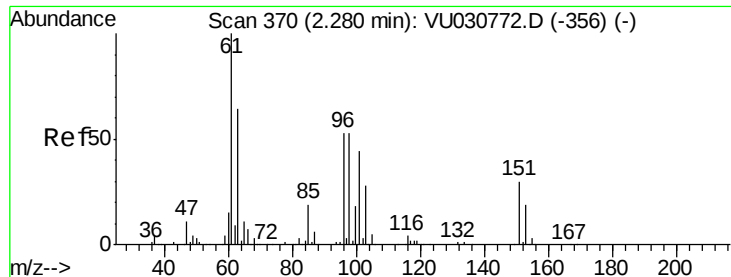
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.572 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL

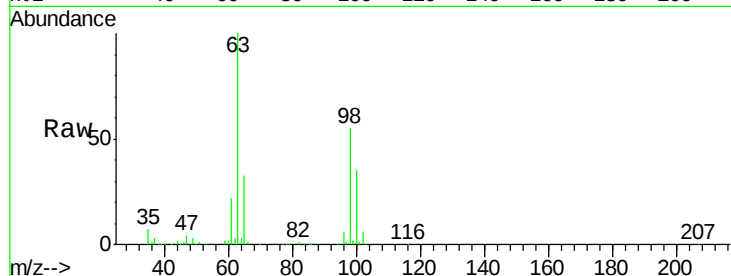
Tot Ion: 96 Resp: 10852

Ion Ratio Lower Upper

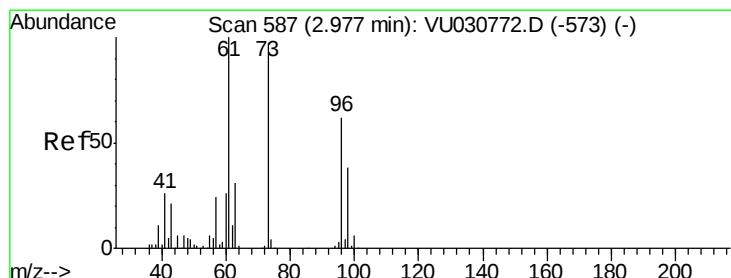
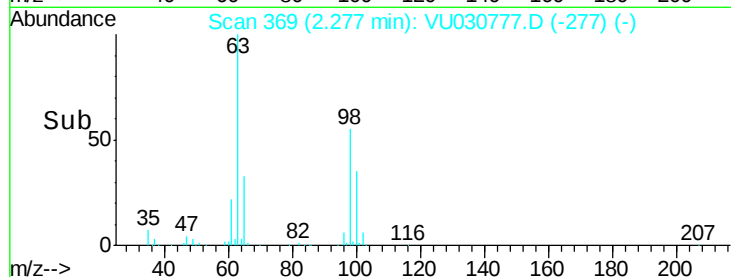
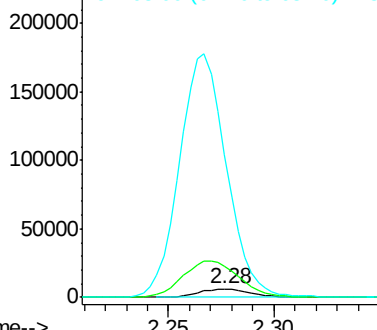
96 100

61 360.7 132.0 245.2#

63 1651.9 90.9 168.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 63.00 (62.70 to 63.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 1.106 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

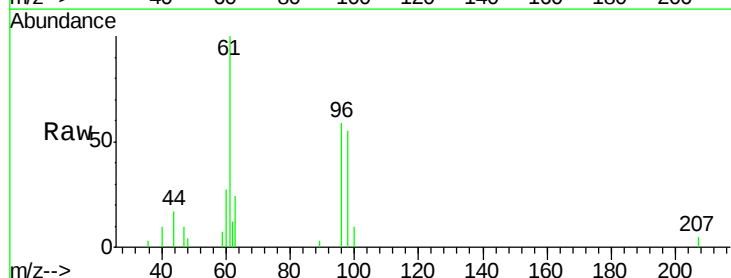
Tgt Ion: 96 Resp: 3569

Ion Ratio Lower Upper

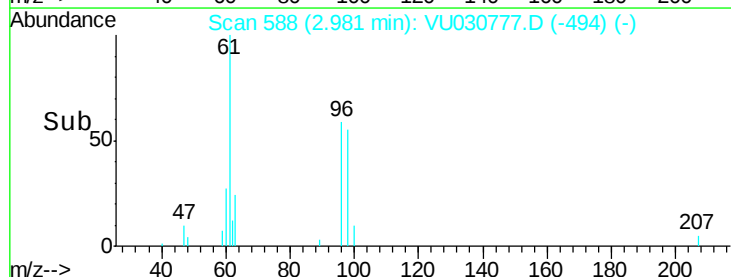
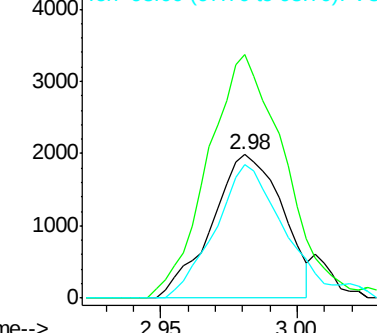
96 100

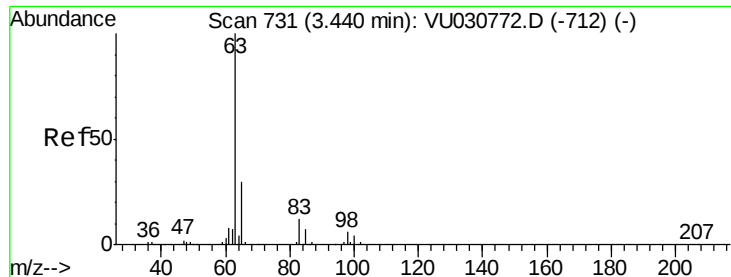
61 169.7 109.5 203.3

98 92.7 44.0 81.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#19

1,1-Dichloroethane

Concen: 17.751 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL

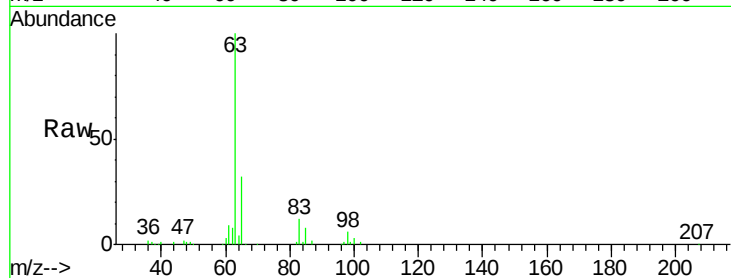
Tot Ion: 63 Resp: 118176

Ion Ratio Lower Upper

63 100

65 32.2 21.4 39.8

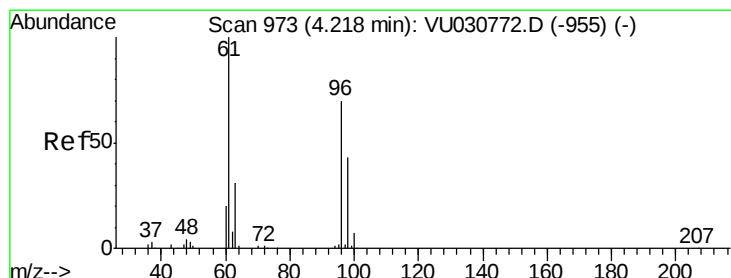
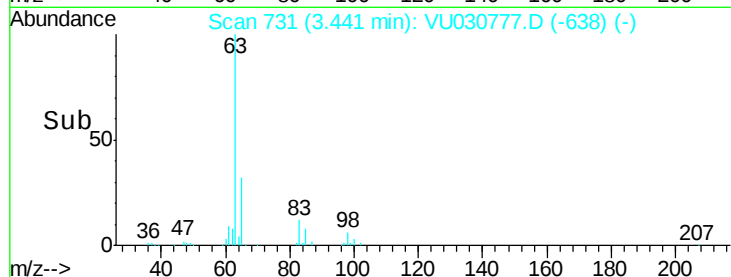
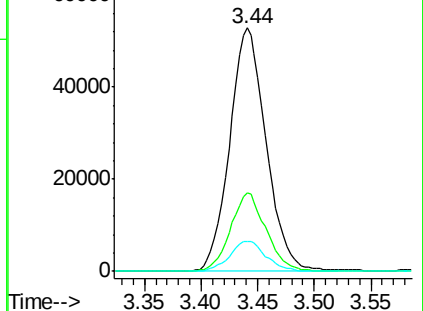
83 12.4 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030777.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU030777.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU030777.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 99.220 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

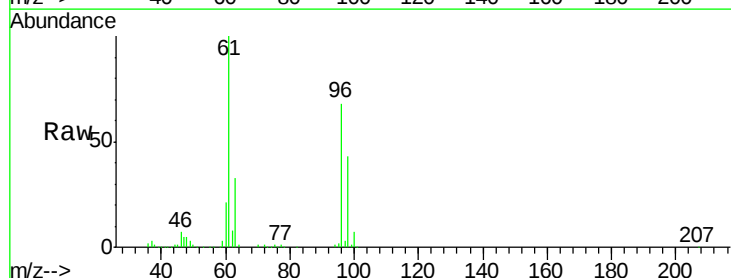
Tgt Ion: 96 Resp: 353424

Ion Ratio Lower Upper

96 100

61 146.2 102.9 191.1

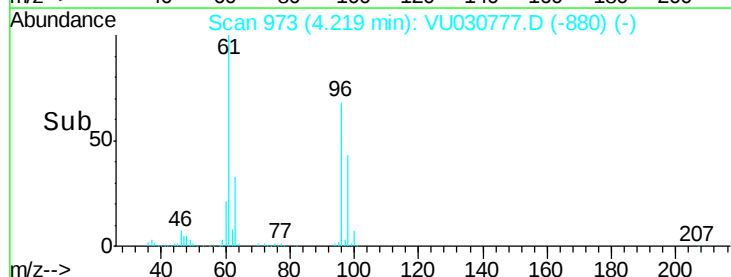
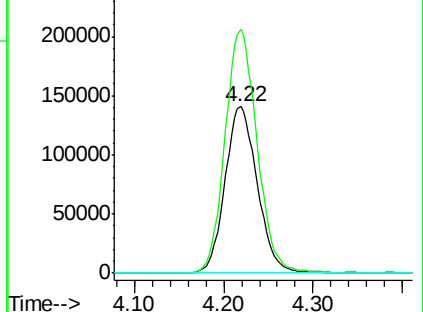
68 0.0 0.0 0.0

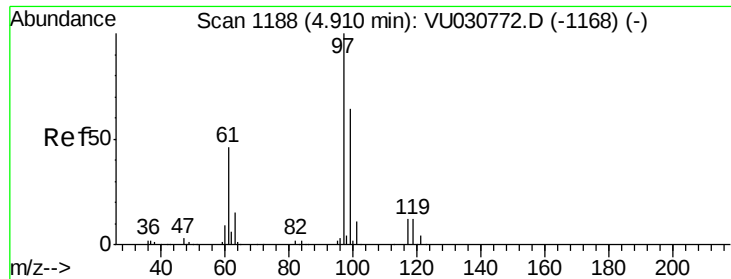


Abundance Ion 96.00 (95.70 to 96.70): VU030777.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU030777.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU030777.D (-880) (-)

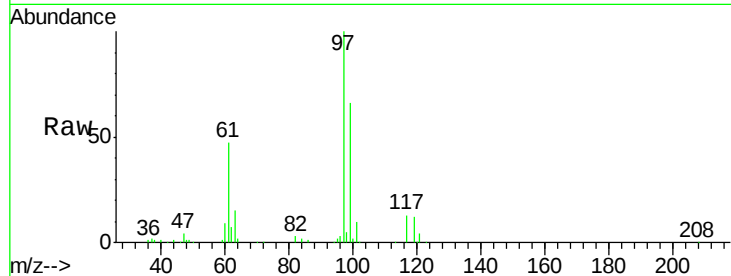




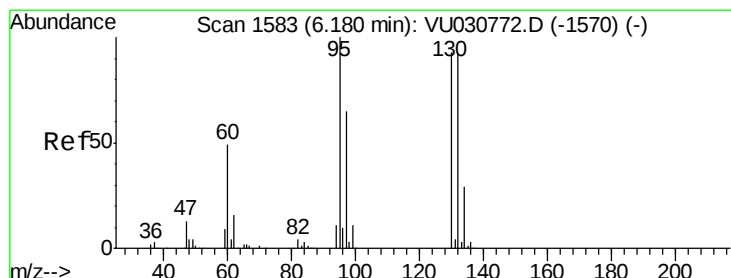
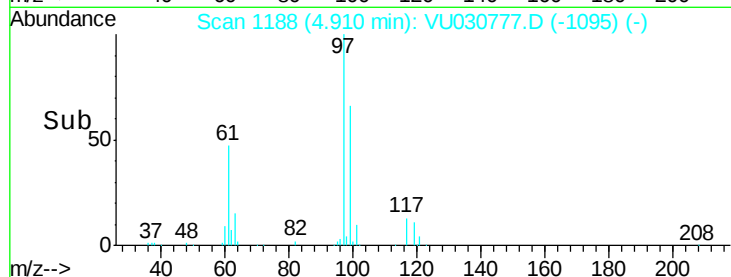
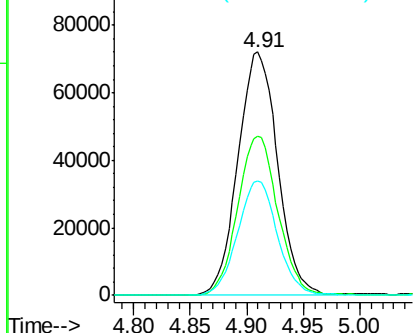
#30
 1,1,1-Trichloroethane
 Concen: 34.500 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU030777.D
 Acq: 06 Apr 2019 05:38

Instrument :
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 E3YE1DL

Tot Ion: 97 Resp: 176052
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.4 77.2
 61 47.3 37.1 55.7

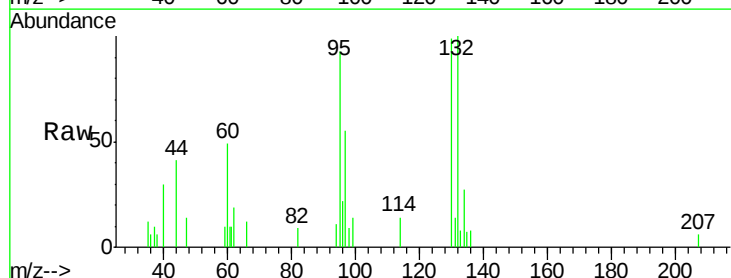


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

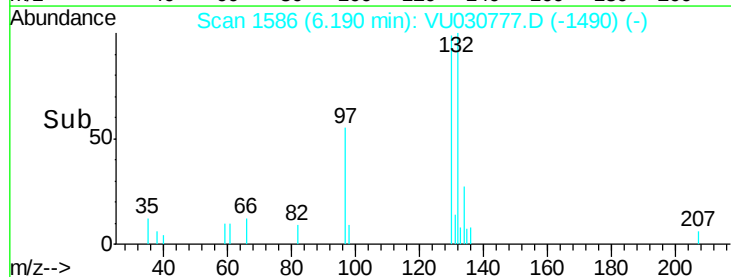
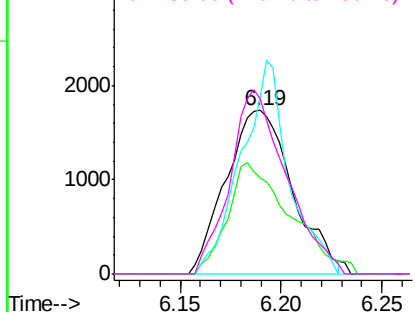


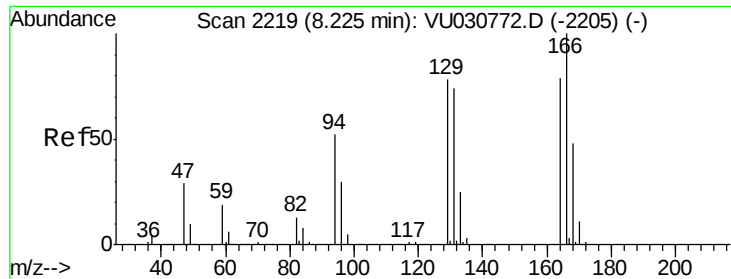
#34
 Trichloroethene
 Concen: 1.188 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VU030777.D
 Acq: 06 Apr 2019 05:38

Tgt Ion: 95 Resp: 3991
 Ion Ratio Lower Upper
 95 100
 97 58.8 44.5 82.7
 132 107.6 61.5 114.1
 130 106.8 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V





#46

Tetrachloroethene

Concen: 2.905 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030777.D

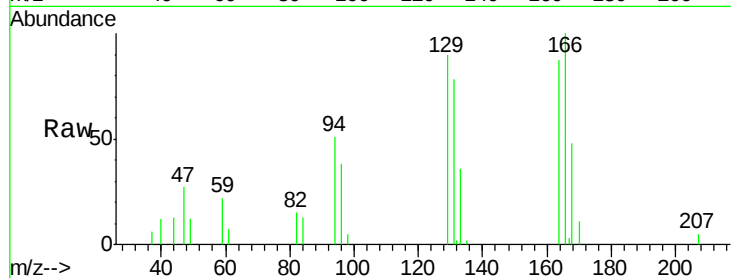
Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL



Tot Ion:164 Resp: 7098

Ion Ratio Lower Upper

164 100

129 103.1 67.4 125.2

131 89.4 65.9 122.5

166 114.6 88.6 164.6

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

