

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\
 Data File : VU028239.D
 Acq On : 17 Nov 2018 21:04
 Operator : MD/SY
 Sample : J5986-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7

Quant Time: Nov 19 03:57:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 19 03:08:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	152105	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60507	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.68	69	47459	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.28	63	85945	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.20	46	200939	52.46	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.65	84	94724	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	58795	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	198035	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.33	67	73289	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.57	98	175293	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.85	79	20748	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	150519	49.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51665	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	59506	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

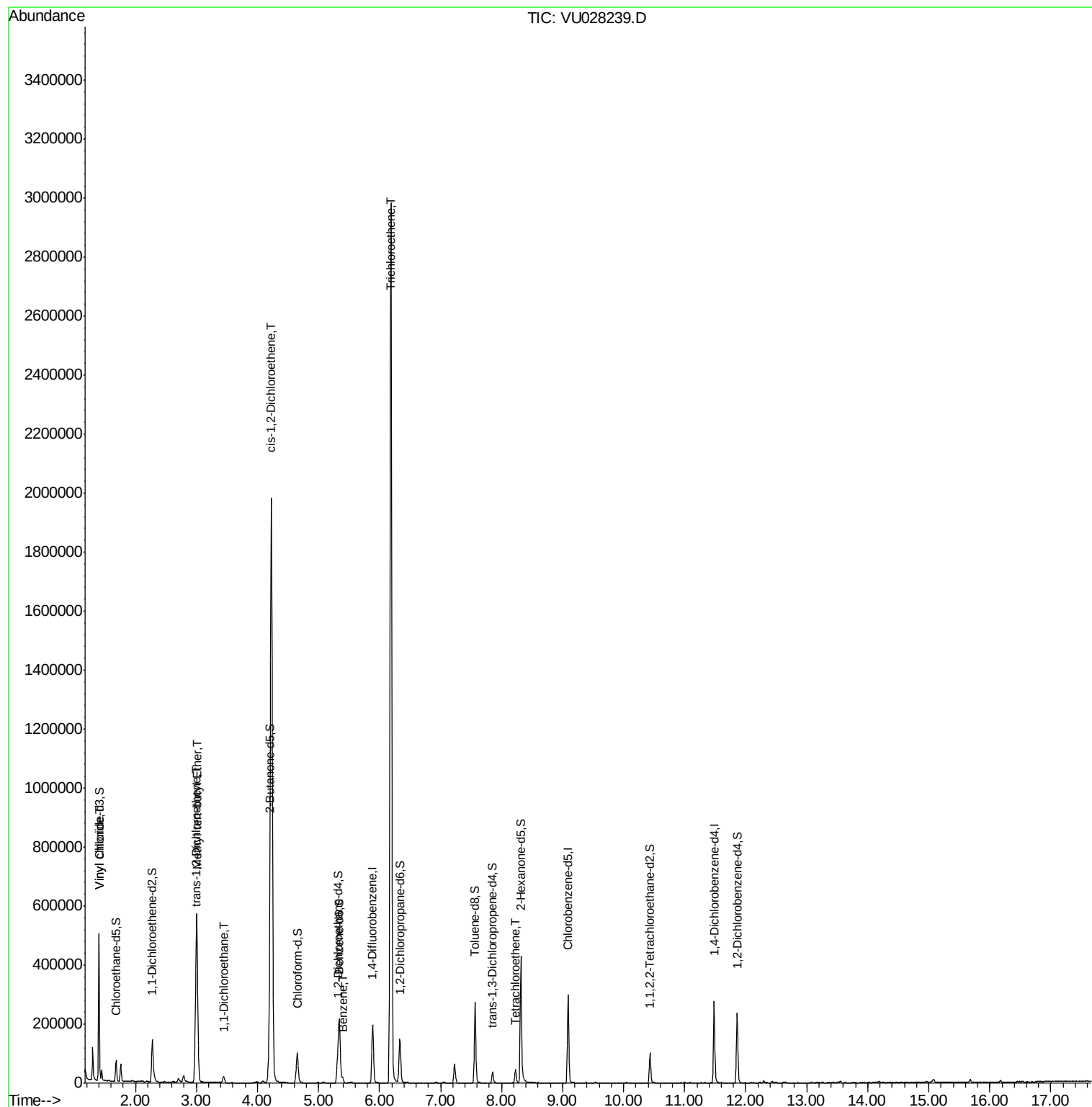
						Qvalue
5) Vinyl chloride	1.40	62	158982	10.30	ug/L	99
17) Methyl tert-butyl Ether	3.01	73	541853	19.26	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	35426	3.55	ug/L	92
19) 1,1-Dichloroethane	3.45	63	23292	1.01	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	999238	84.75	ug/L	98
33) Benzene	5.39	78	15689	0.32	ug/L	100
34) Trichloroethene	6.19	95	1036783	85.15	ug/L	98
47) Tetrachloroethene	8.23	164	9944	1.18	ug/L	97

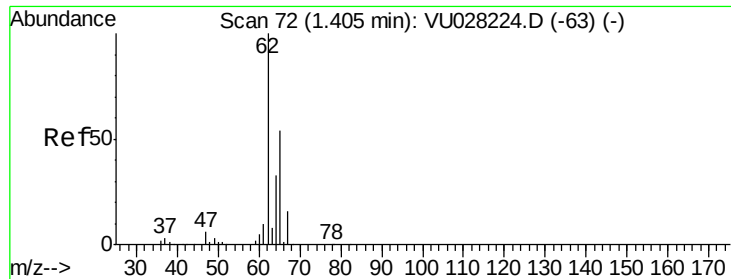
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.30 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

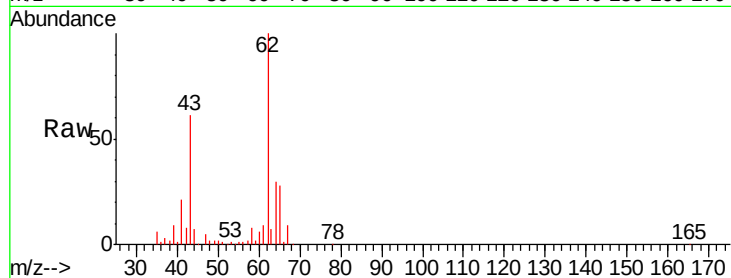
H0FG7

Tgt Ion: 62 Resp: 158982

Ion Ratio Lower Upper

62 100

64 30.4 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

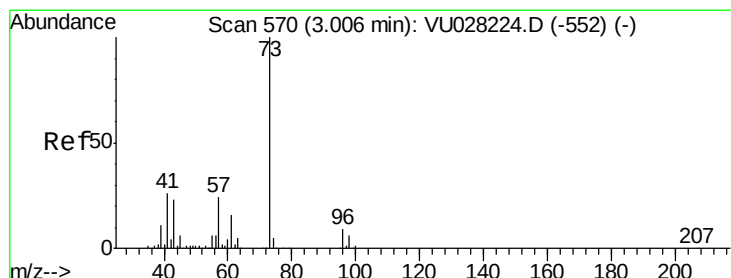
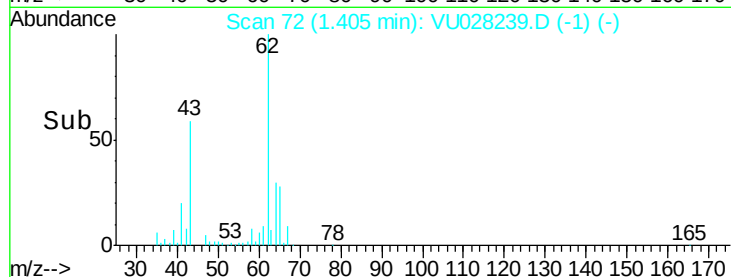
150000

100000

50000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 19.26 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

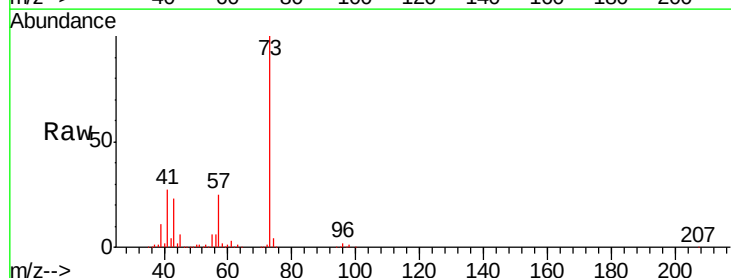
Tgt Ion: 73 Resp: 541853

Ion Ratio Lower Upper

73 100

43 23.6 18.8 28.2

57 25.0 19.2 28.8



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

3.01

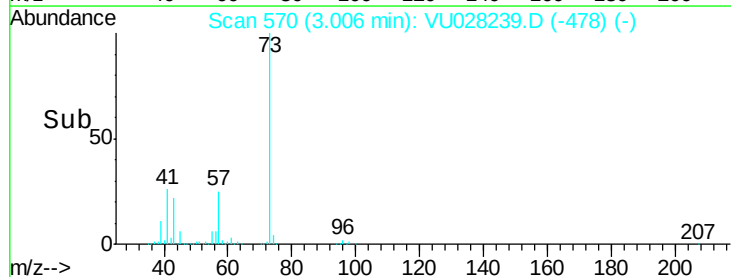
300000

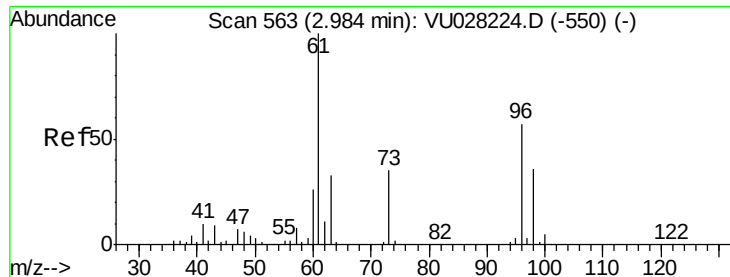
200000

100000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 3.55 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

Instrument :
MSVOA_U
ClientSampleId :
H0FG7

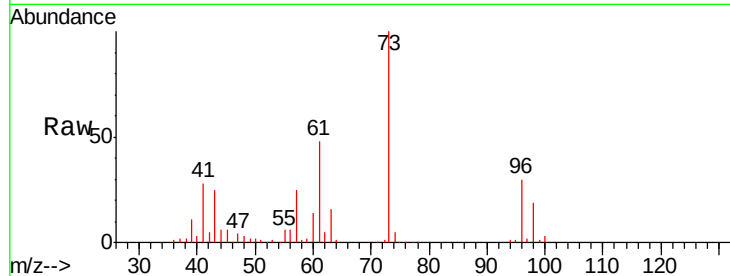
Tgt Ion: 96 Resp: 35426

Ion Ratio Lower Upper

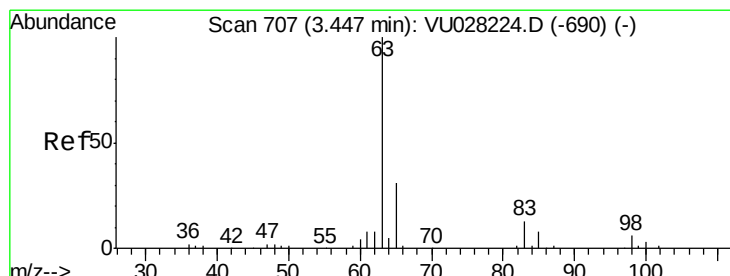
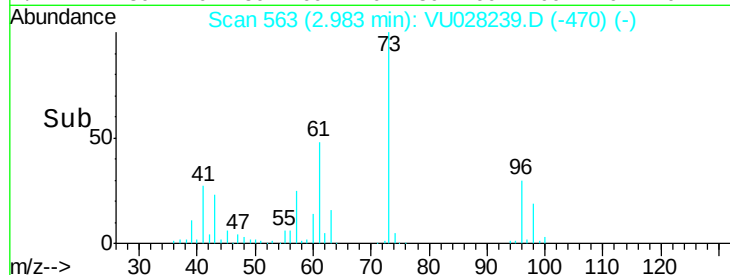
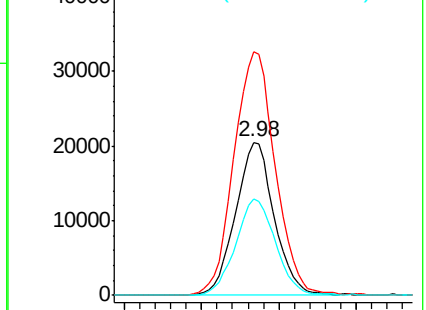
96 100

61 159.3 122.2 227.0

98 63.4 44.9 83.5



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: 1.01 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

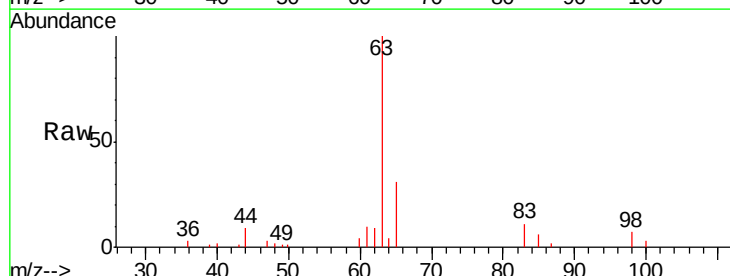
Tgt Ion: 63 Resp: 23292

Ion Ratio Lower Upper

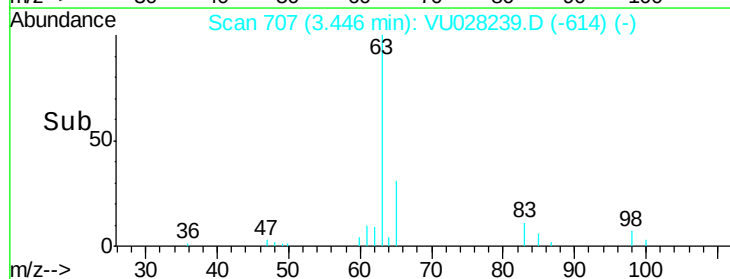
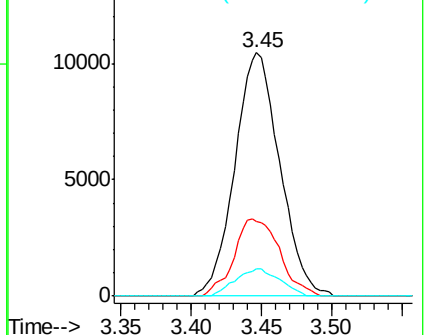
63 100

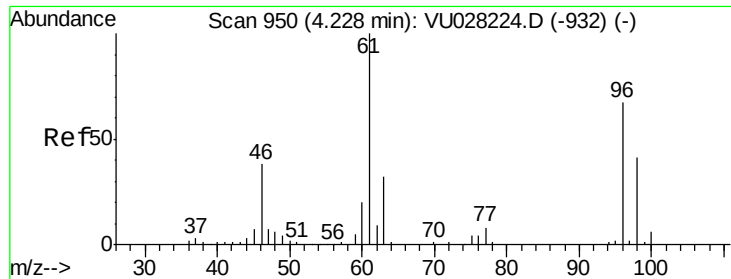
65 30.6 21.2 39.4

83 11.2 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 84.75 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

H0FG7

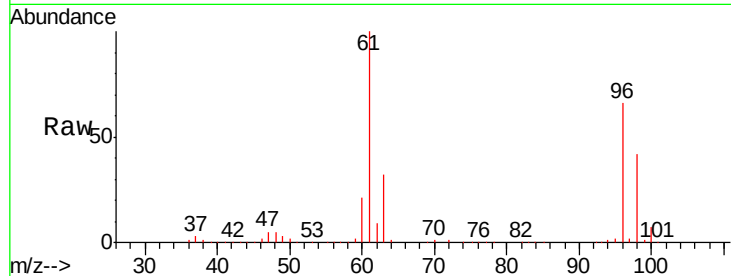
Tgt Ion: 96 Resp: 999238

Ion Ratio Lower Upper

96 100

61 151.4 108.0 200.6

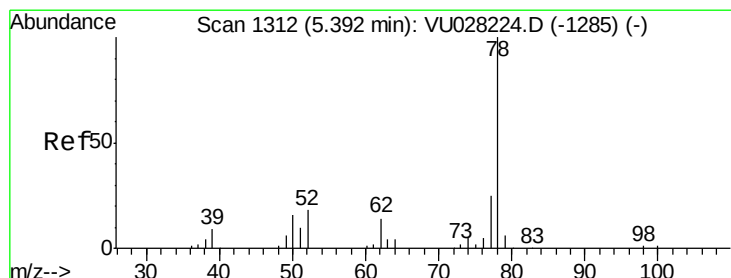
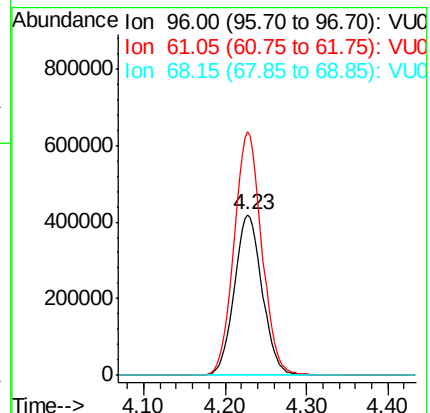
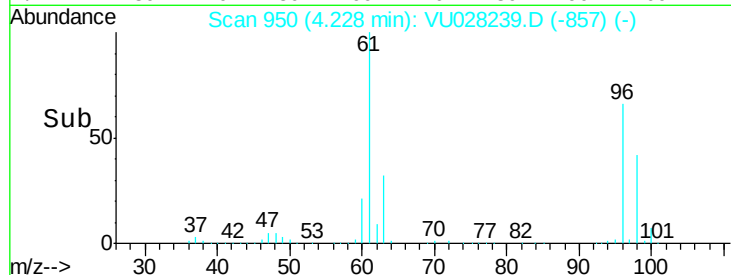
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028239.D (-857) (-)

Ion 61.05 (60.75 to 61.75): VU028239.D (-857) (-)

Ion 68.15 (67.85 to 68.85): VU028239.D (-857) (-)



#33

Benzene

Concen: 0.32 ug/L

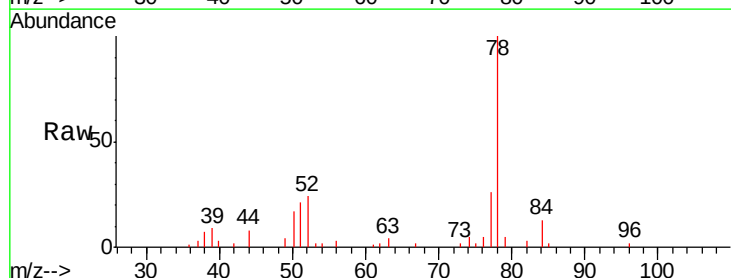
RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

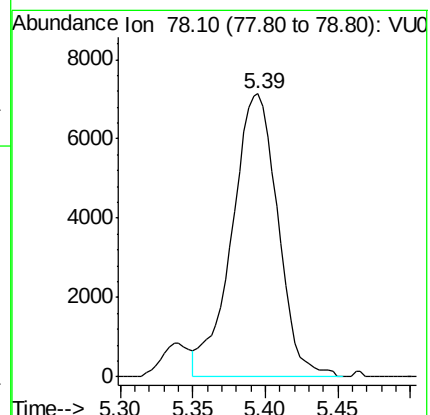
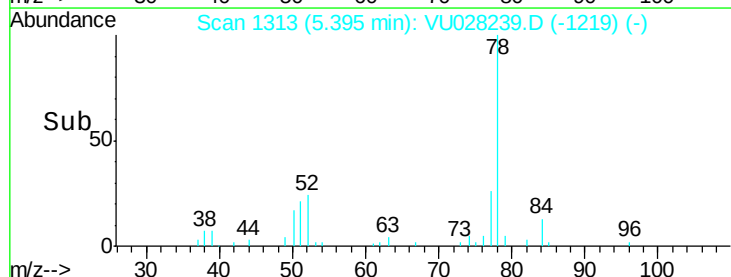
Lab File: VU028239.D

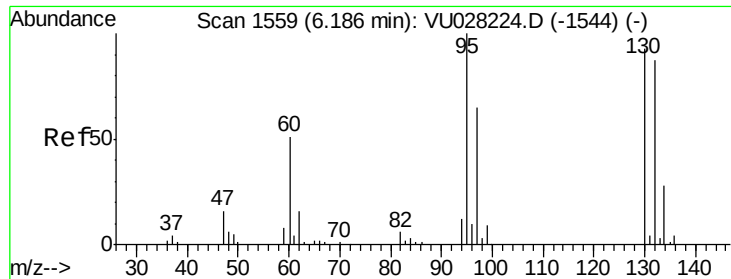
Acq: 17 Nov 2018 21:04

Tgt Ion: 78 Resp: 15689



Abundance Ion 78.10 (77.80 to 78.80): VU028239.D (-1219) (-)





#34

Trichloroethene

Concen: 85.15 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

H0FG7

Tgt Ion: 95 Resp: 1036783

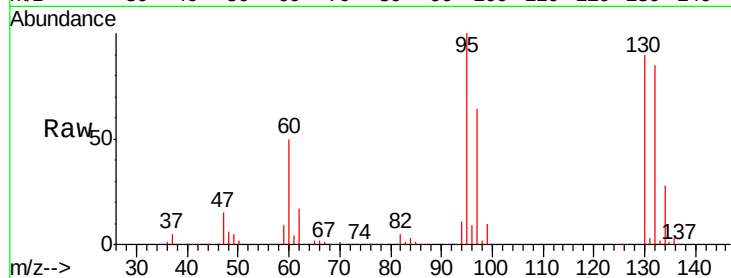
Ion Ratio Lower Upper

95 100

97 63.9 46.5 86.3

132 84.9 58.9 109.3

130 90.4 61.3 113.9

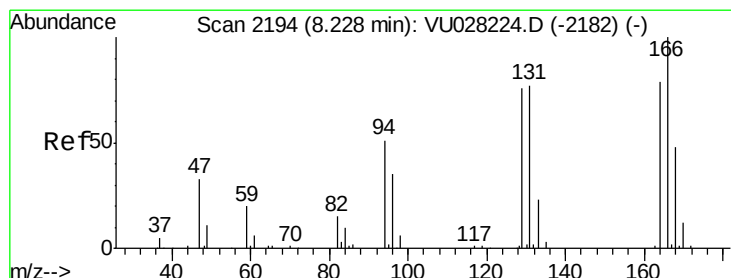
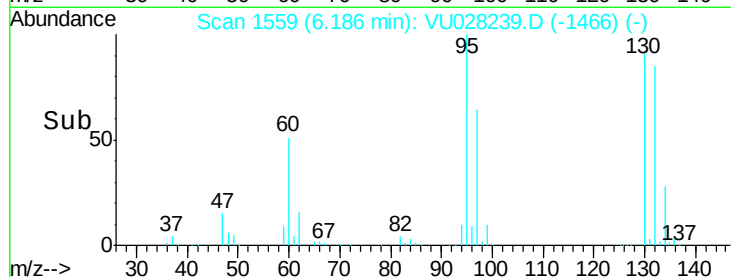
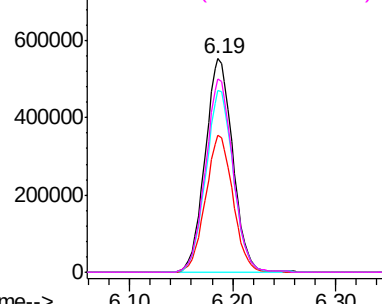


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.18 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028239.D

Acq: 17 Nov 2018 21:04

Tgt Ion:164 Resp: 9944

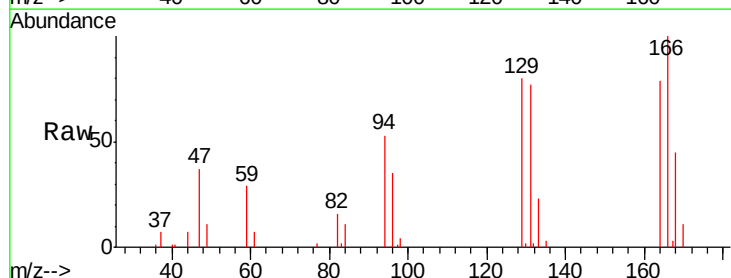
Ion Ratio Lower Upper

164 100

129 101.4 67.6 125.6

131 97.1 66.3 123.1

166 126.4 89.2 165.6



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

