

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U111618\
 Data File : VU028210.D
 Acq On : 17 Nov 2018 02:30
 Operator : MD/SY
 Sample : J5986-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ0

Quant Time: Nov 17 04:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164166	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	160862	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69427	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65640	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.68	69	50253	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.28	63	93585	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.20	46	220066	55.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.40%
24) Chloroform-d	4.65	84	104004	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	63452	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.34	84	221317	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	77823	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.57	98	188964	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	24486	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.31	63	161467	47.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56997	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	67201	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

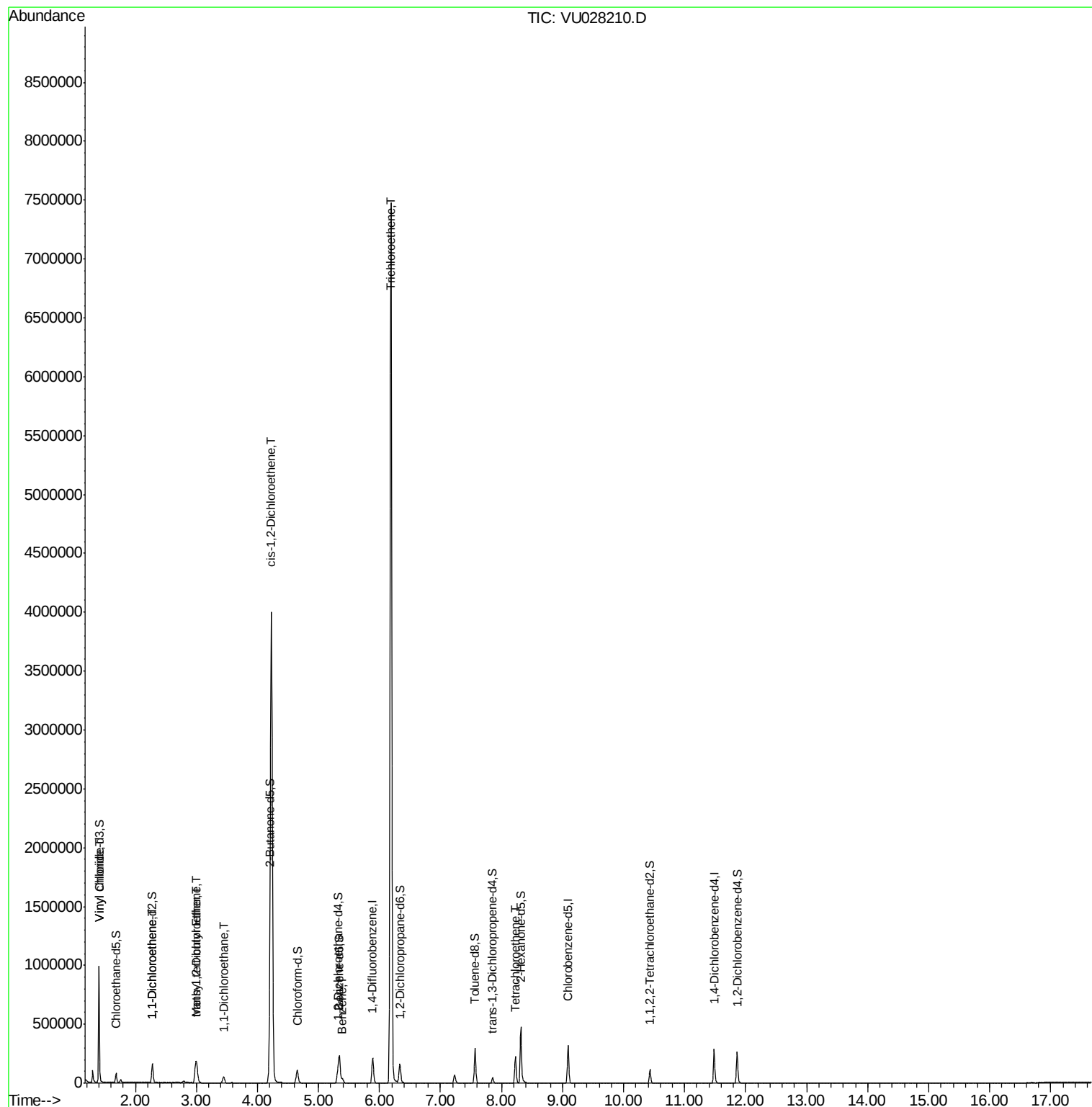
					Qvalue
5) Vinyl chloride	1.40	62	492301	27.997 ug/L	98
12) 1,1-Dichloroethene	2.29	96	6174	0.566 ug/L #	1
17) Methyl tert-butyl Ether	3.01	73	139093	4.558 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	41196	3.550 ug/L	99
19) 1,1-Dichloroethane	3.45	63	58954	2.416 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	2049095	160.145 ug/L	98
33) Benzene	5.39	78	33499	0.618 ug/L	100
34) Trichloroethene	6.19	95	2603192	194.361 ug/L	96
47) Tetrachloroethene	8.23	164	47672	4.378 ug/L	96

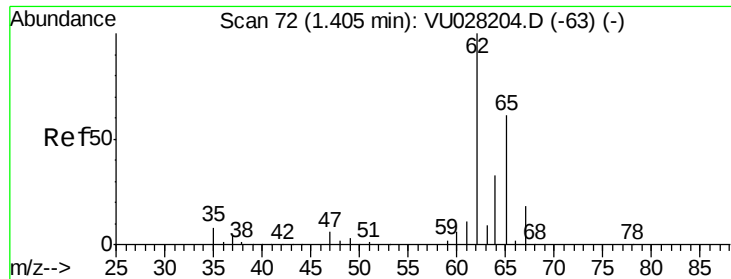
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 27.997 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

Instrument :

MSVOA_U

ClientSampled :

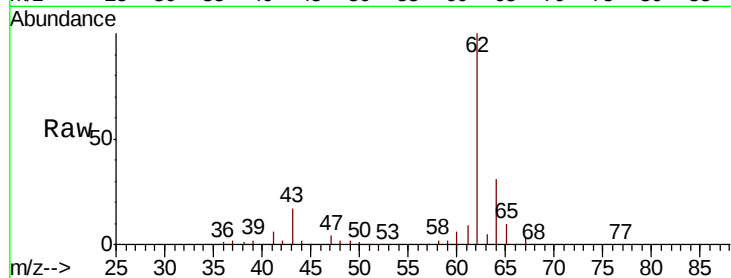
H0FJ0

Tgt Ion: 62 Resp: 492301

Ion Ratio Lower Upper

62 100

64 31.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

500000

400000

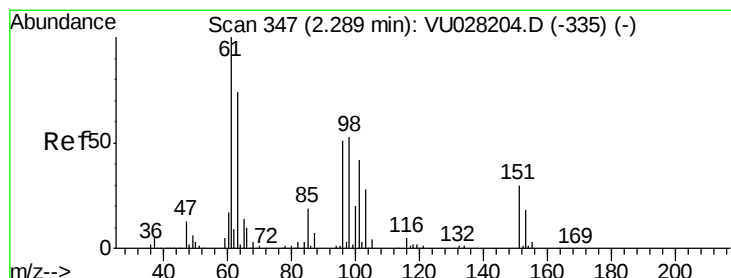
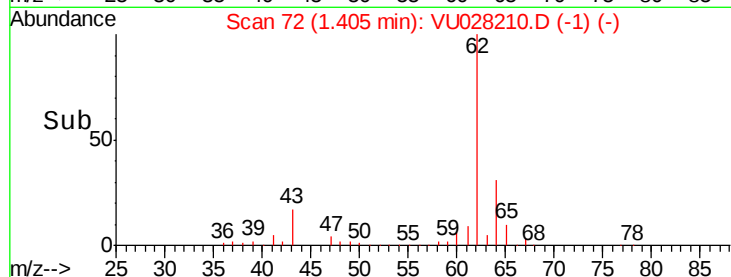
300000

200000

100000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.566 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

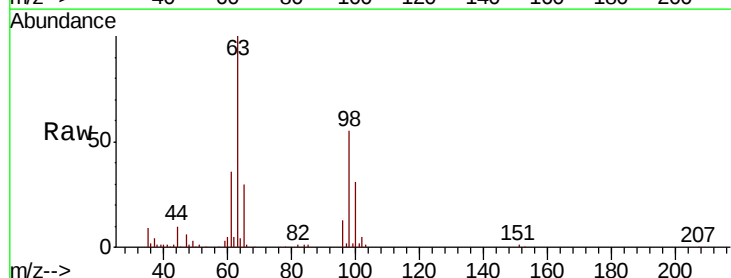
Tgt Ion: 96 Resp: 6174

Ion Ratio Lower Upper

96 100

61 285.5 134.8 250.3#

63 796.1 100.1 185.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

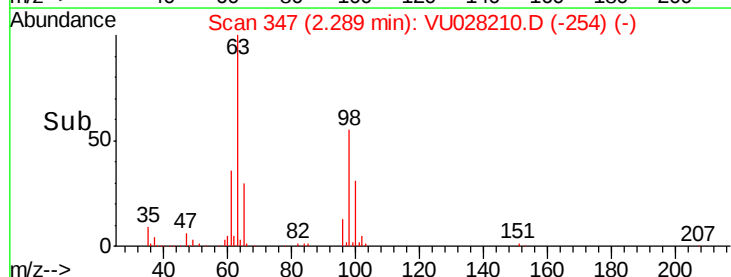
60000

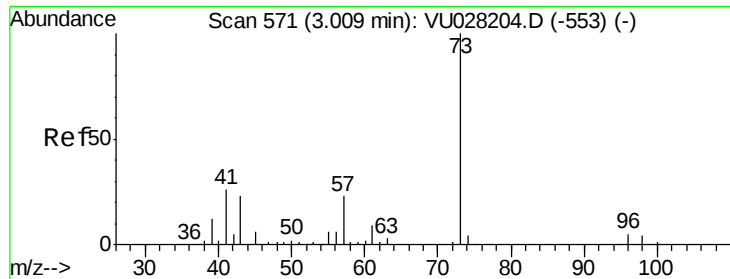
40000

20000

0

Time-->

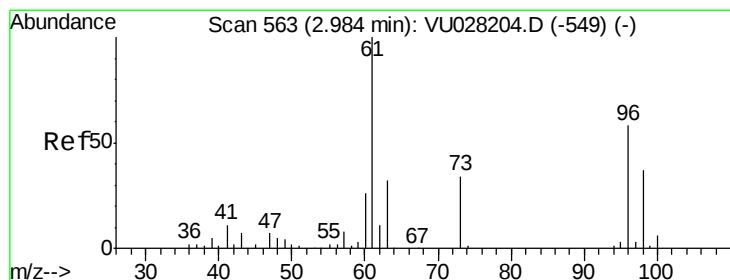
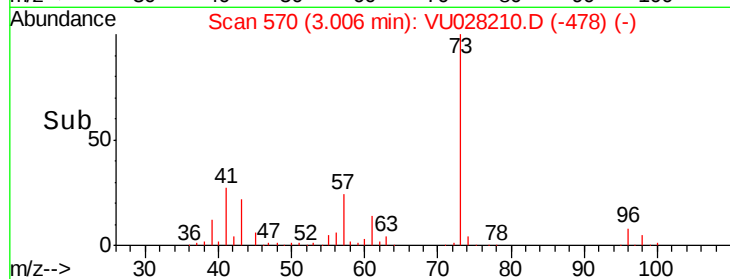
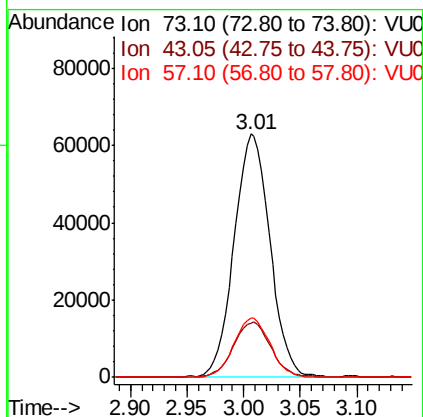
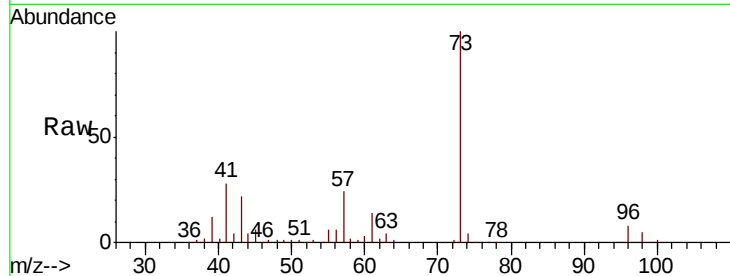




#17
Methyl tert-butyl Ether
Concen: 4.558 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028210.D
Acq: 17 Nov 2018 02:30

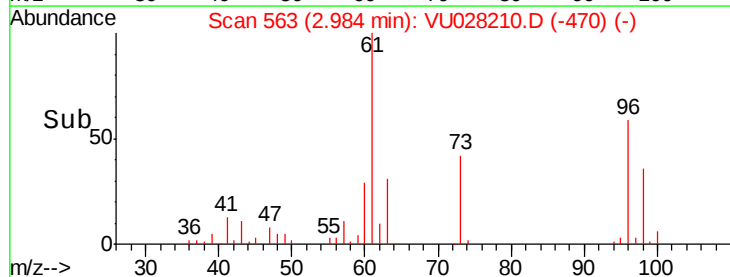
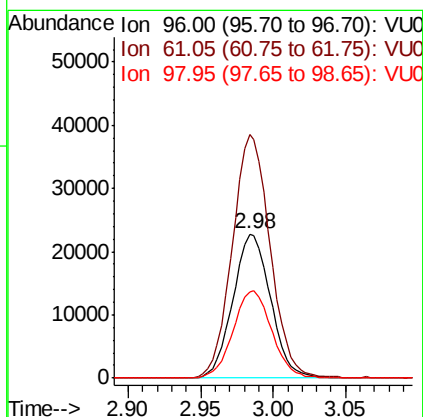
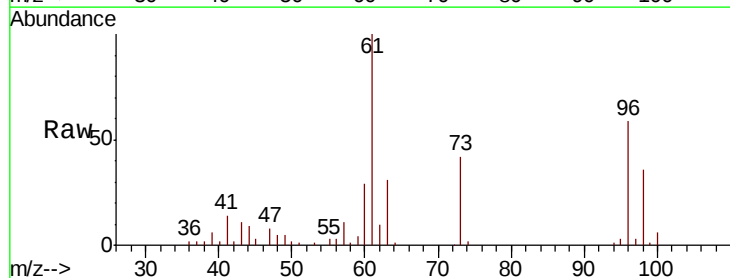
Instrument :
MSVOA_U
ClientSampleId :
H0FJ0

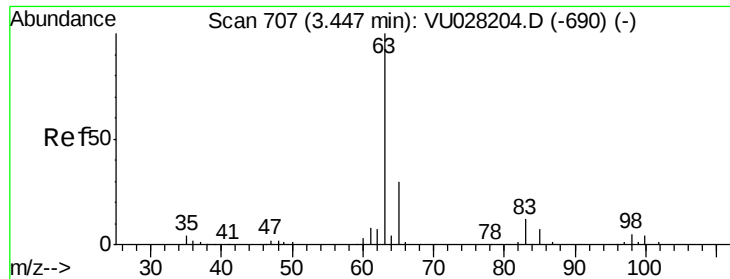
Tgt Ion: 73 Resp: 139093
Ion Ratio Lower Upper
73 100
43 22.9 18.1 27.1
57 24.5 20.0 30.0



#18
trans-1,2-Dichloroethene
Concen: 3.550 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028210.D
Acq: 17 Nov 2018 02:30

Tgt Ion: 96 Resp: 41196
Ion Ratio Lower Upper
96 100
61 169.1 118.5 220.1
98 60.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 2.416 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

H0FJ0

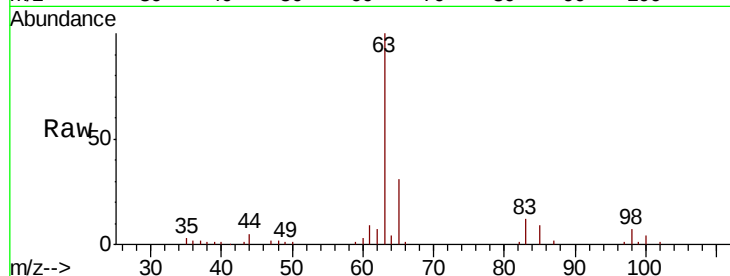
Tgt Ion: 63 Resp: 58954

Ion Ratio Lower Upper

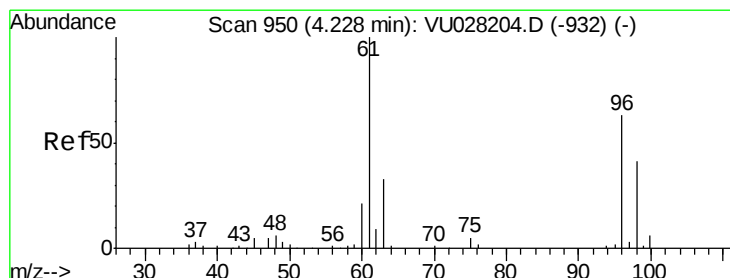
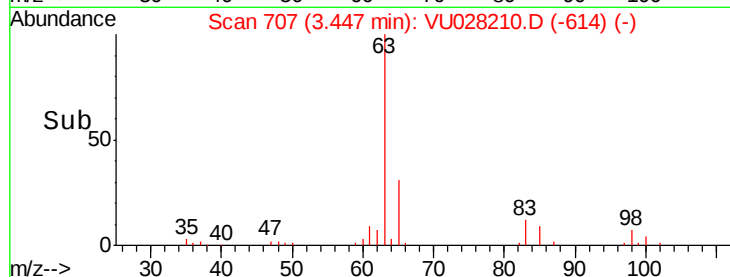
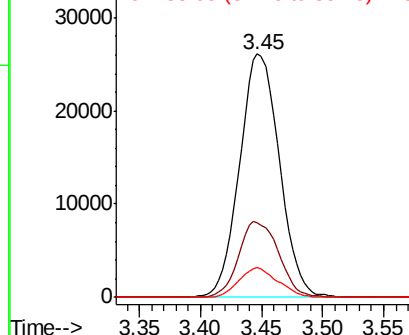
63 100

65 30.7 22.2 41.2

83 12.2 8.9 16.5



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: 160.145 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

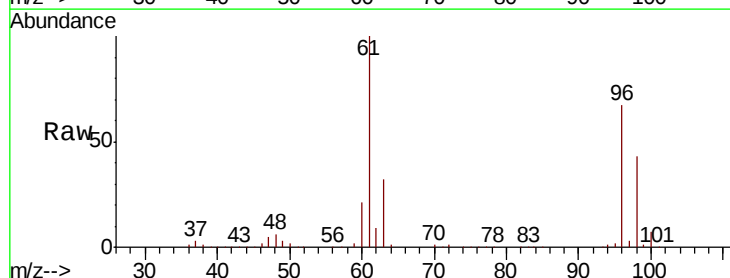
Tgt Ion: 96 Resp: 2049095

Ion Ratio Lower Upper

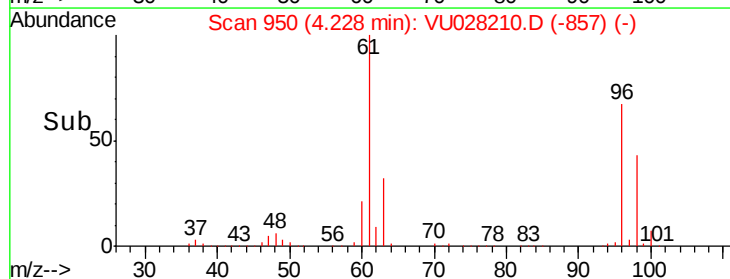
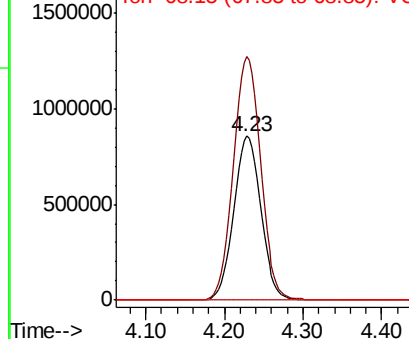
96 100

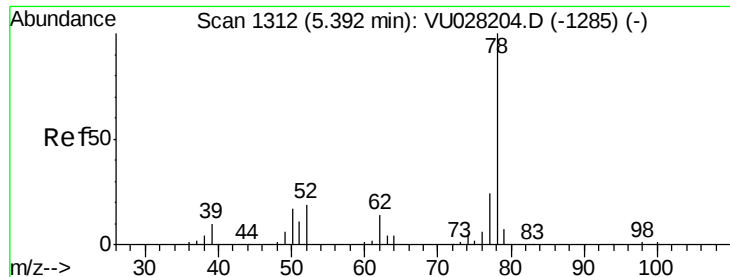
61 148.5 101.8 189.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.618 ug/L

RT: 5.39 min Scan# 1312

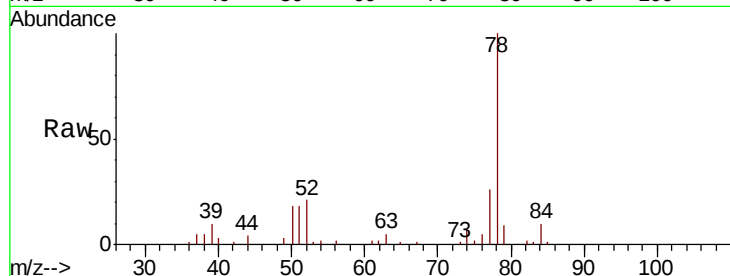
Delta R.T. -0.00 min

Lab File: VU028210.D

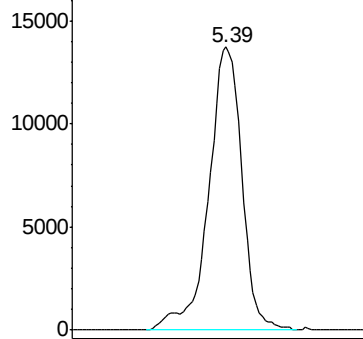
Acq: 17 Nov 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
H0FJ0

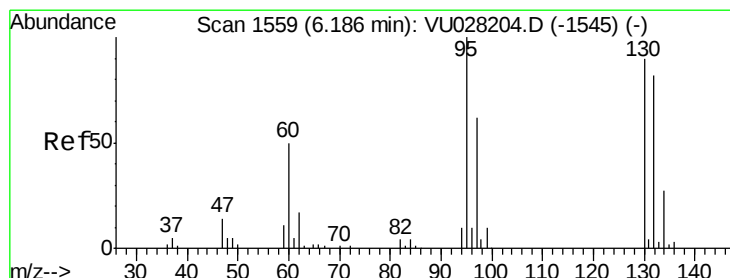
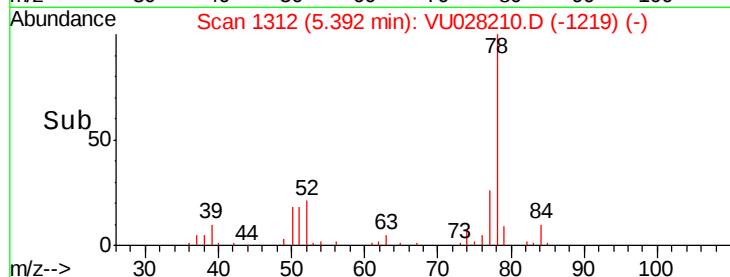
Tgt Ion: 78 Resp: 33499



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 194.361 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

Tgt Ion: 95 Resp: 2603192

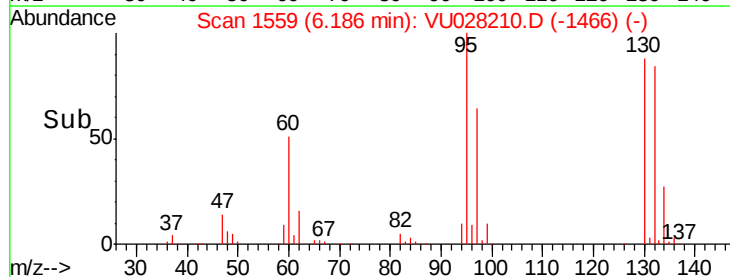
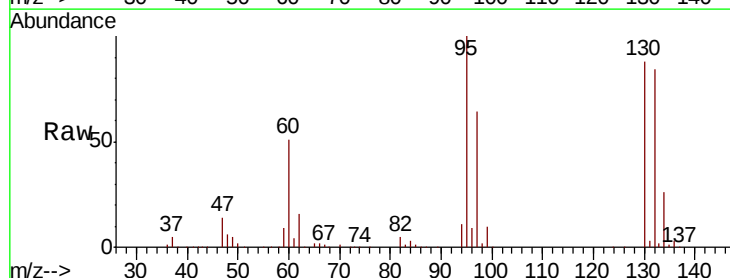
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.3	84.1
132	83.7	63.0	117.0
130	88.1	63.6	118.2

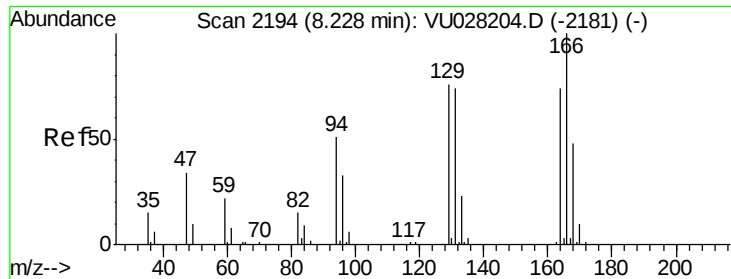
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.378 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028210.D

Acq: 17 Nov 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

H0FJ0

Tgt Ion:164 Resp: 47672

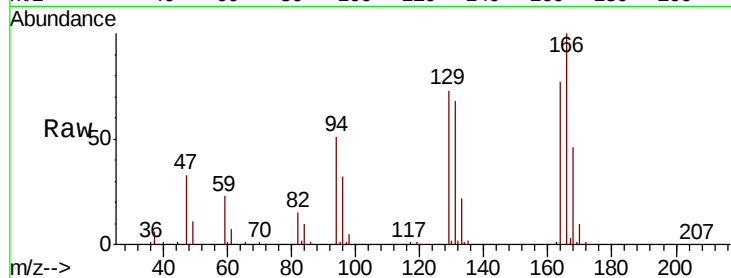
Ion Ratio Lower Upper

164 100

129 94.7 69.7 129.4

131 88.6 64.0 118.8

166 129.4 86.4 160.4



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

