

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
 Data File : VU028252.D
 Acq On : 19 Nov 2018 14:04
 Operator : MD/SY
 Sample : J5986-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL2

Quant Time: Nov 20 07:46:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 07:07:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126809	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	121805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53334	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45946	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.68	69	39435	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.28	63	69461	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	4.20	46	135628	42.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.94%
24) Chloroform-d	4.65	84	79964	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	45060	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.34	84	160825	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	58616	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.57	98	141571	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.85	79	15207	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.31	63	96097	39.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42344	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	47369	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

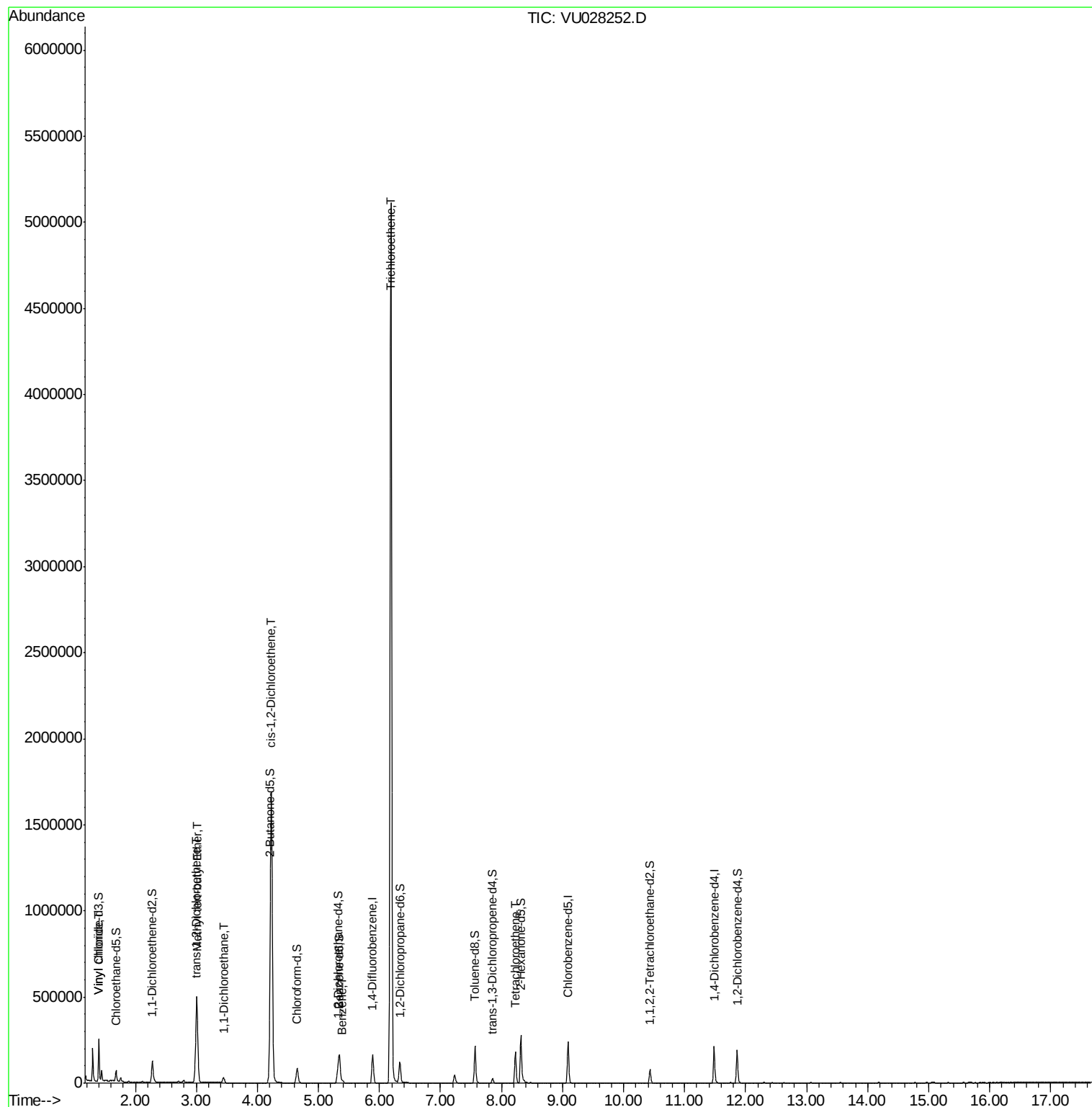
					Ovalue
5) Vinyl chloride	1.40	62	82155	6.383	ug/L 94
17) Methyl tert-butyl Ether	3.01	73	484657	20.666	ug/L 97
18) trans-1,2-Dichloroethene	2.98	96	21982	2.643	ug/L 88
19) 1,1-Dichloroethane	3.44	63	30413	1.577	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	848680	86.339	ug/L 93
33) Benzene	5.39	78	15507	0.386	ug/L 100
34) Trichloroethene	6.19	95	1735730	176.412	ug/L 97
47) Tetrachloroethene	8.22	164	39612	5.800	ug/L 97

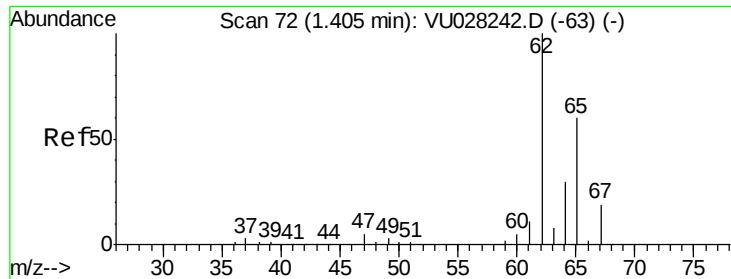
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 20 07:07:24 2018
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#5

Vinyl chloride

Concen: 6.383 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampled :

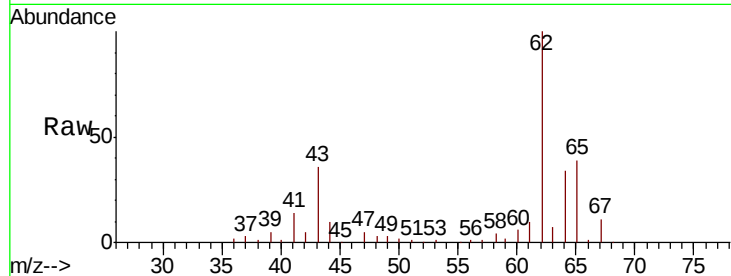
H0FL2

Tot Ion: 62 Resp: 82155

Ion Ratio Lower Upper

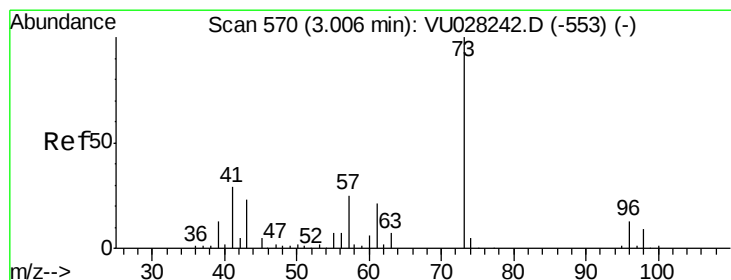
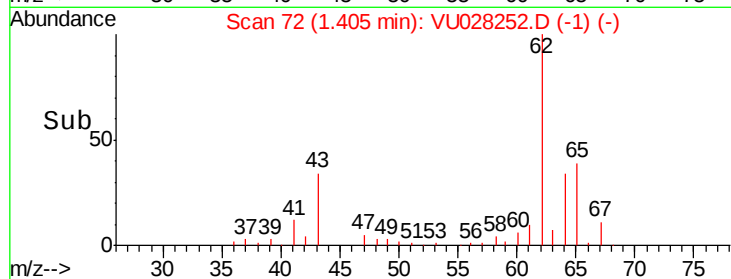
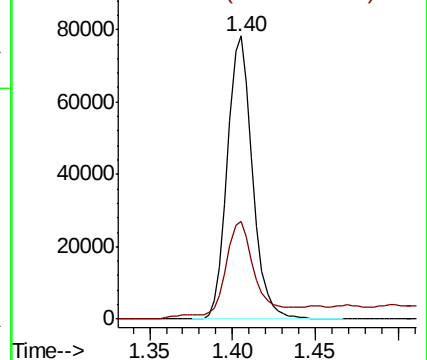
62 100

64 34.4 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#17

Methyl tert-butyl Ether

Concen: 20.666 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

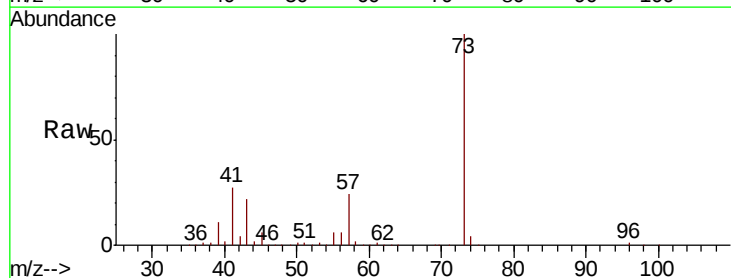
Tgt Ion: 73 Resp: 484657

Ion Ratio Lower Upper

73 100

43 21.9 18.8 28.2

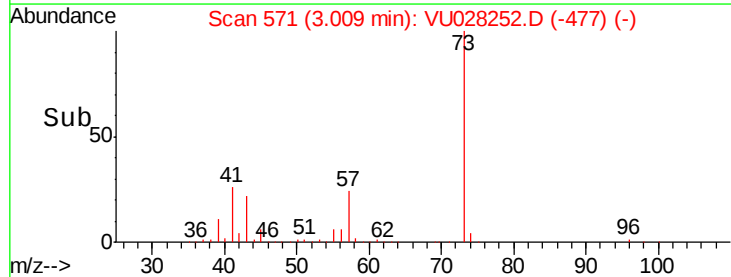
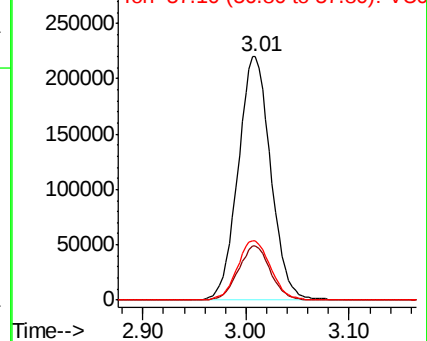
57 25.0 19.2 28.8

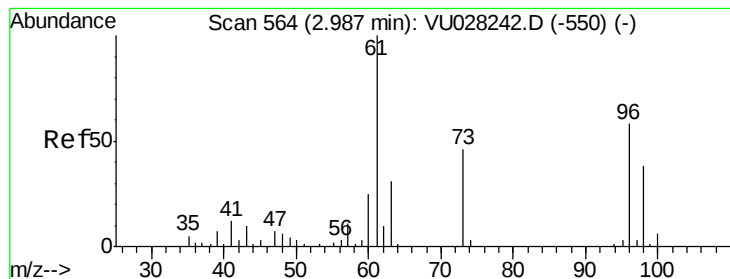


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 2.643 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

H0FL2

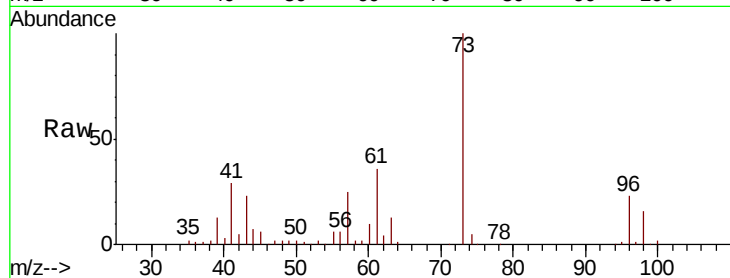
Tot Ion: 96 Resp: 21982

Ion Ratio Lower Upper

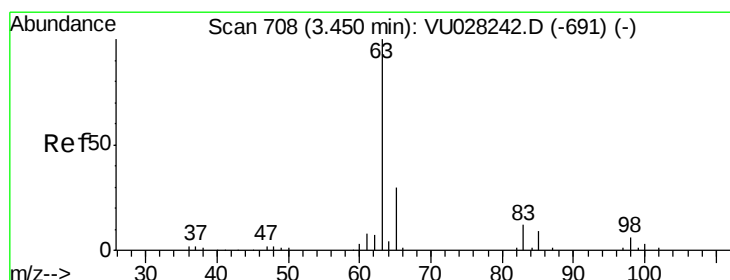
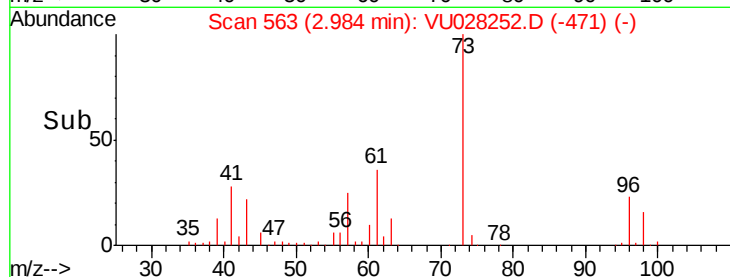
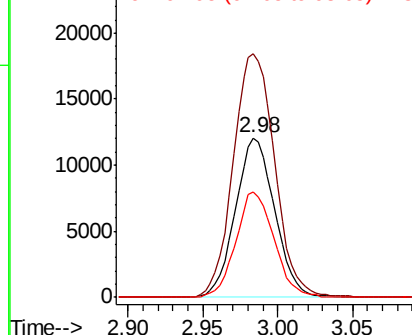
96 100

61 152.8 122.2 227.0

98 66.2 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: 1.577 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.01 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

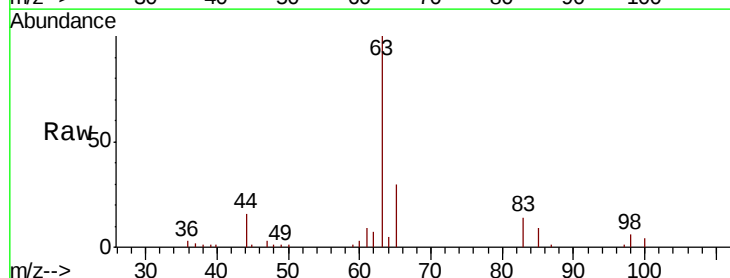
Tgt Ion: 63 Resp: 30413

Ion Ratio Lower Upper

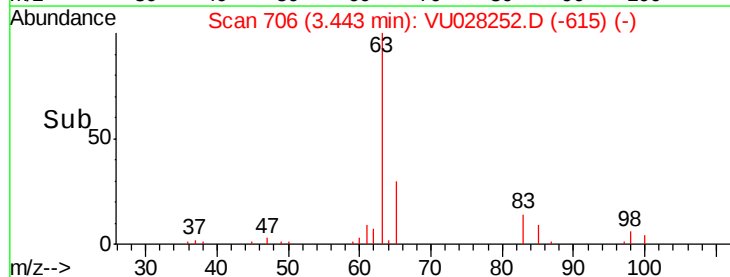
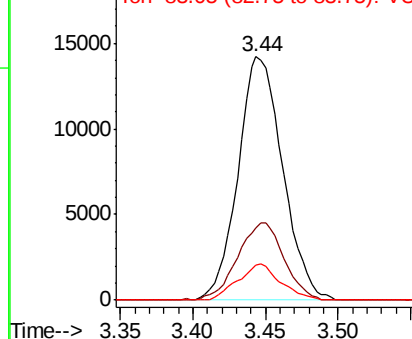
63 100

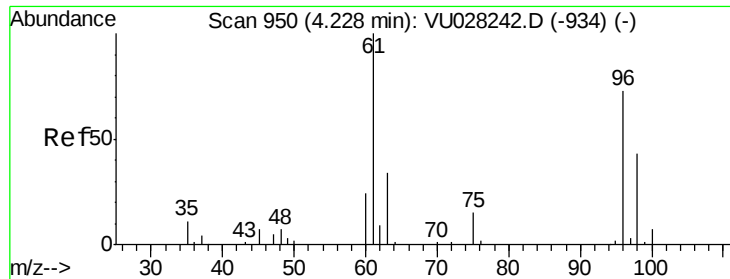
65 29.8 21.2 39.4

83 14.3 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



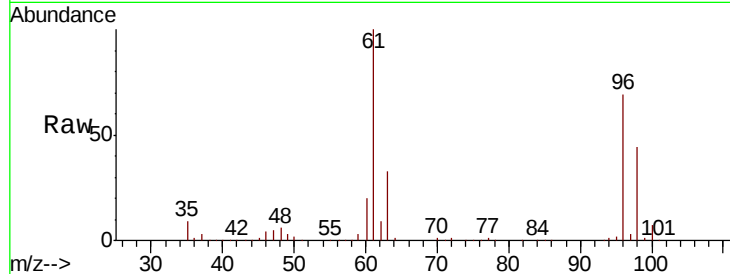


#22

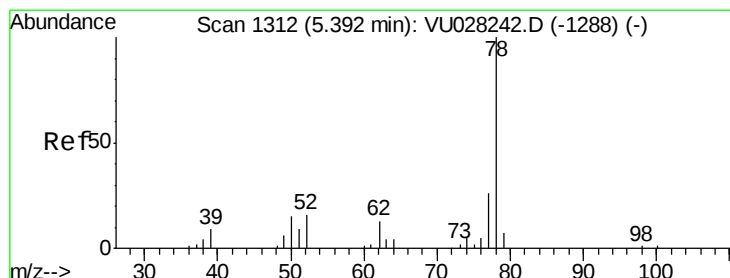
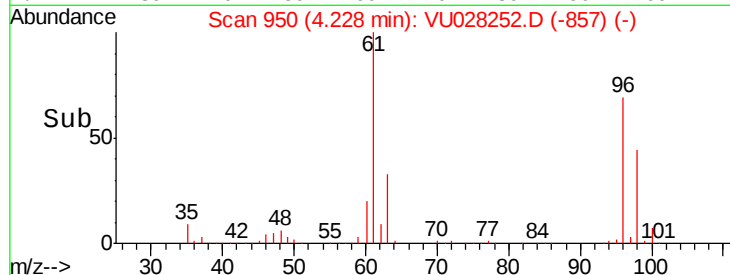
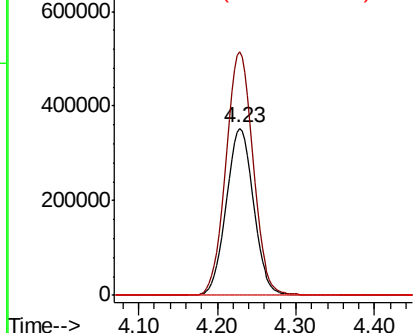
cis-1,2-Dichloroethene
 Concen: 86.339 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028252.D
 Acq: 19 Nov 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL2

Tot Ion: 96 Resp: 848680
 Ion Ratio Lower Upper
 96 100
 61 145.4 108.0 200.6
 68 0.0 0.0 0.0



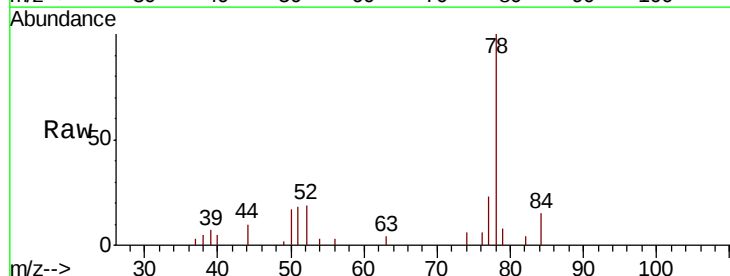
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



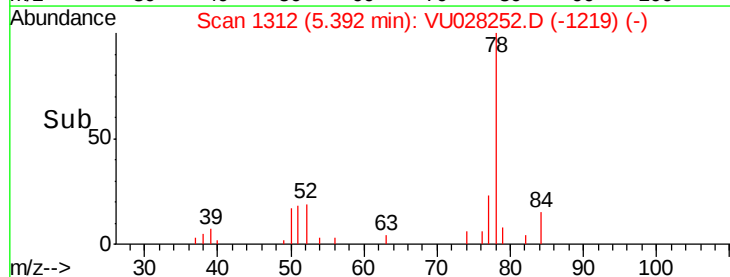
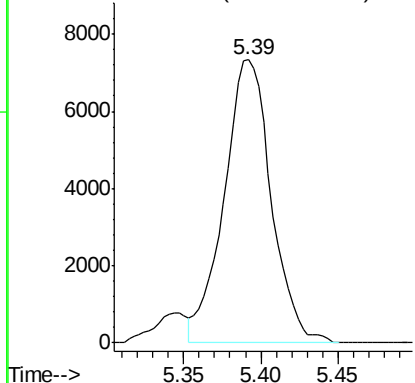
#33

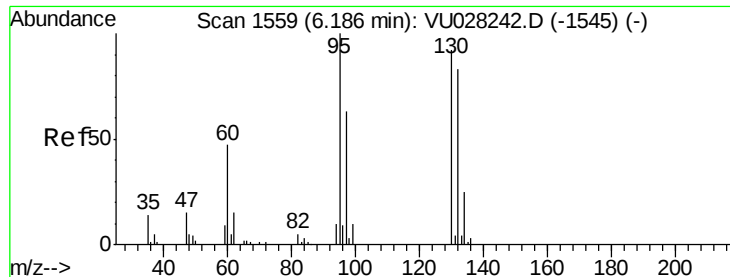
Benzene
 Concen: 0.386 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU028252.D
 Acq: 19 Nov 2018 14:04

Tgt Ion: 78 Resp: 15507



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 176.412 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampled :

H0FL2

Tot Ion: 95 Resp: 1735730

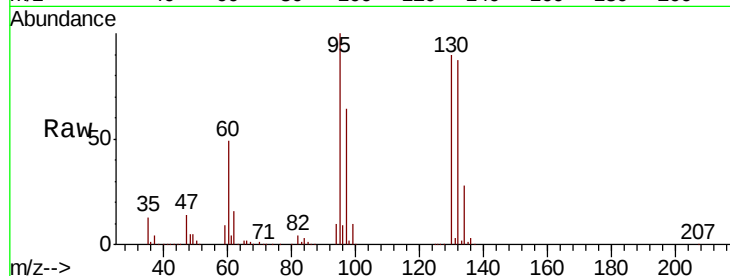
Ion Ratio Lower Upper

95 100

97 63.9 46.5 86.3

132 87.3 58.9 109.3

130 90.3 61.3 113.9

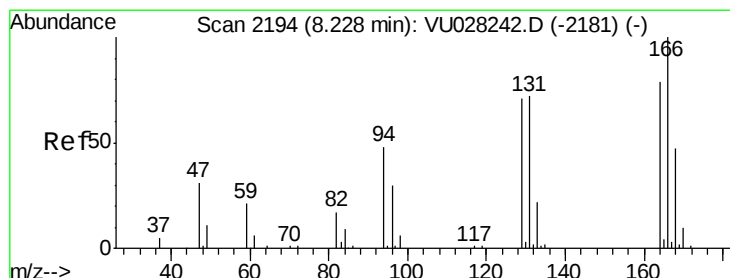
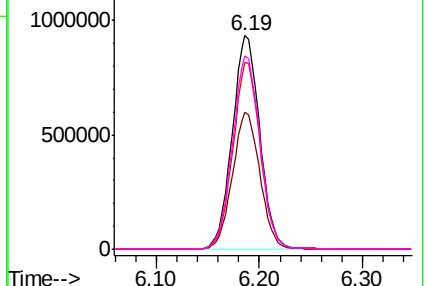
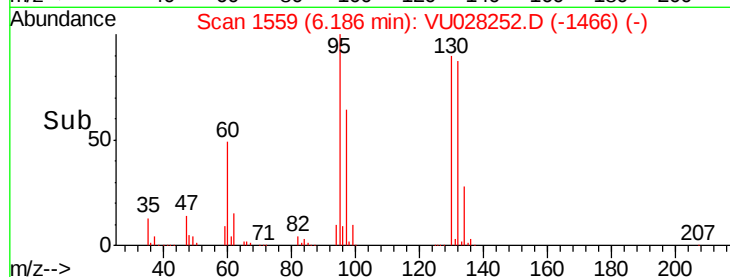


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.800 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028252.D

Acq: 19 Nov 2018 14:04

Tgt Ion:164 Resp: 39612

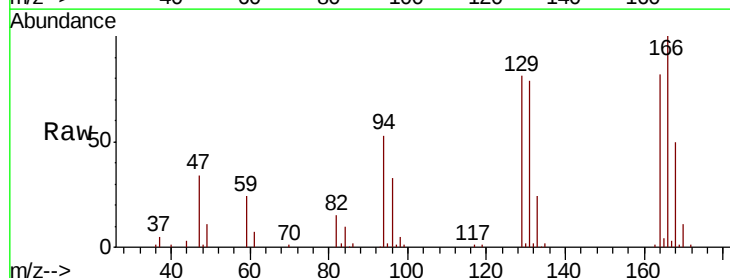
Ion Ratio Lower Upper

164 100

129 99.0 67.6 125.6

131 96.0 66.3 123.1

166 122.1 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

