

Data File : VU026828.D
Acq On : 17 Sep 2018 18:12
Operator : MD/SY
Sample : J4864-02 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0D08

Quant Time: Sep 18 01:45:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	262376	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	246288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87553	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.22%
7) Chloroethane-d5	1.68	69	76167	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.70%
11) 1,1-Dichloroethene-d2	2.27	63	126886	34.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.10%
21) 2-Butanone-d5	4.18	46	129778	100.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	4.65	84	163792	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
26) 1,2-Dichloroethane-d4	5.31	65	106087	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
32) Benzene-d6	5.34	84	339366	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
36) 1,2-Dichloropropane-d6	6.33	67	109451	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.57	98	287187	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	7.85	79	45564	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.31	63	89453	102.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145743	47.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	111433	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

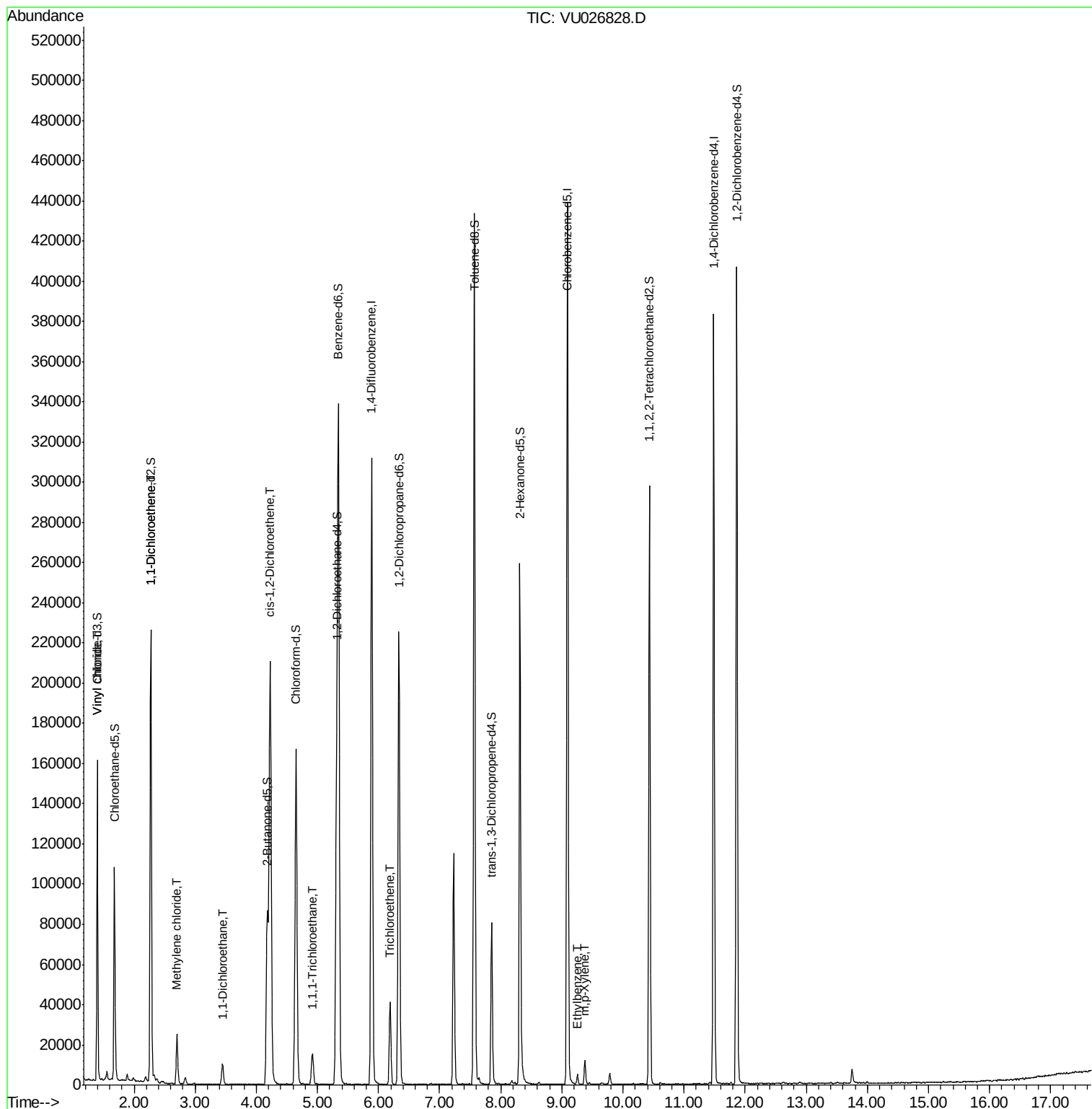
					Qvalue
5) Vinyl chloride	1.40	62	21118	8.579 ug/L	94
12) 1,1-Dichloroethene	2.28	96	2831	1.664 ug/L #	1
16) Methylene chloride	2.70	84	11673	5.397 ug/L	98
19) 1,1-Dichloroethane	3.45	63	11398	3.154 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	116094	56.329 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	12421	4.239 ug/L	99
34) Trichloroethene	6.19	95	14156	7.726 ug/L	99
52) Ethylbenzene	9.25	91	3734	0.461 ug/L	99
53) m,p-Xylene	9.38	106	3527	1.133 ug/L	85

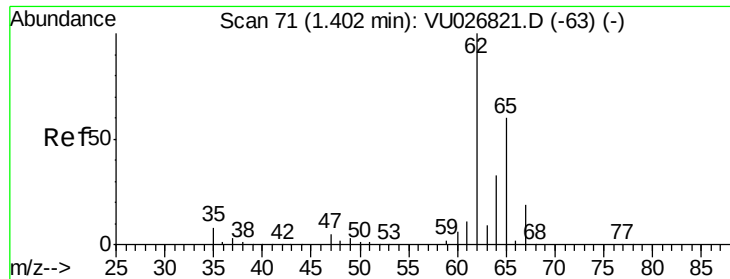
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.579 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

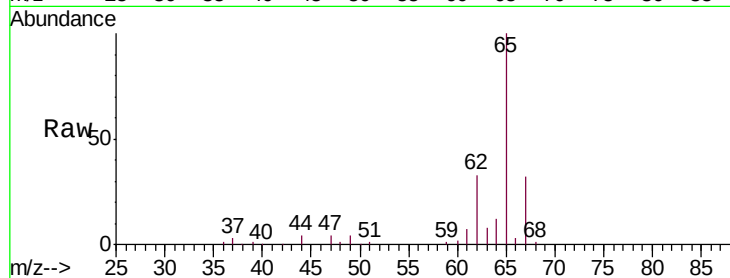
C0D08

Tgt Ion: 62 Resp: 21118

Ion Ratio Lower Upper

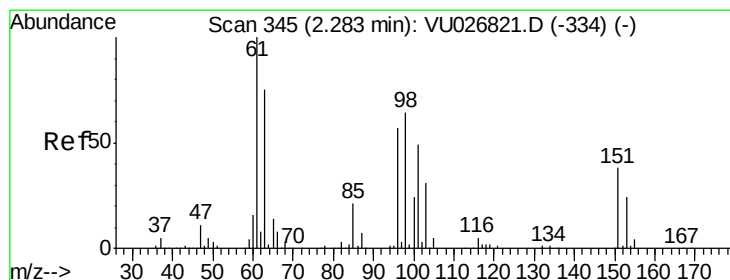
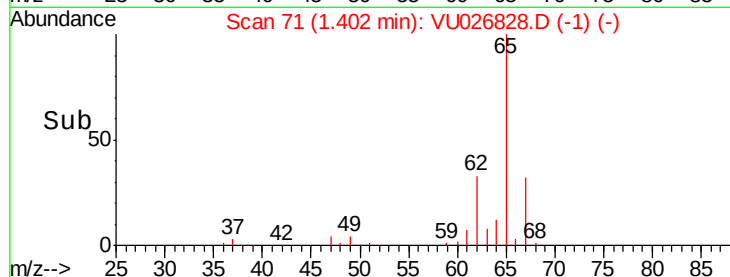
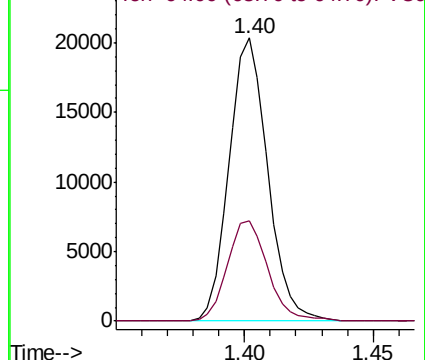
62 100

64 35.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 1.664 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

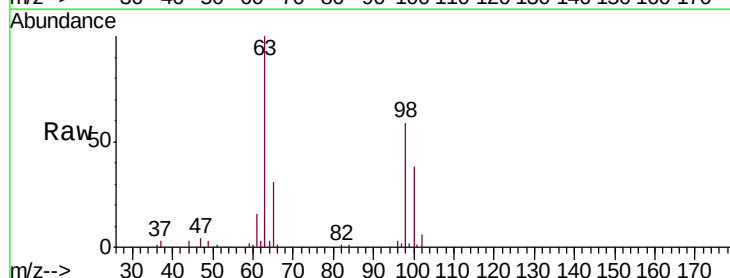
Tgt Ion: 96 Resp: 2831

Ion Ratio Lower Upper

96 100

61 502.5 124.0 230.4#

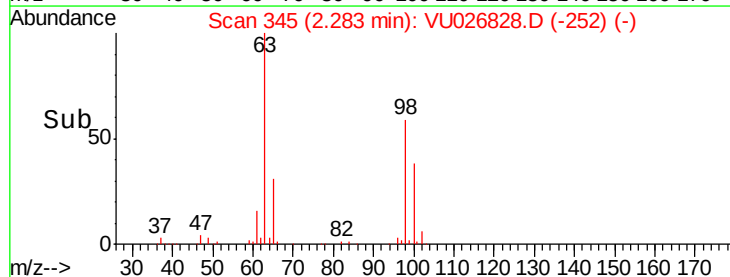
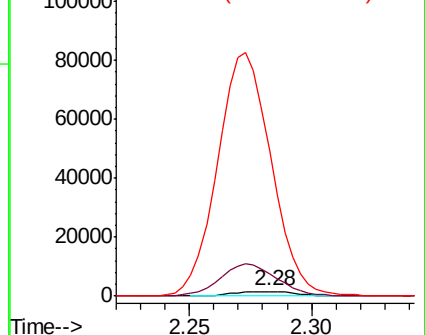
63 3216.3 97.7 181.5#

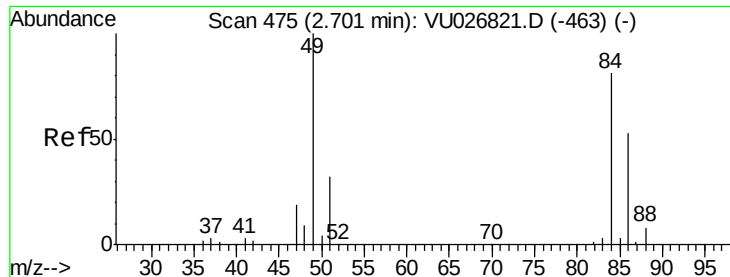


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

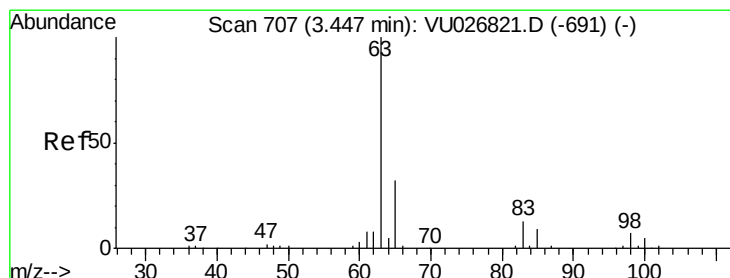
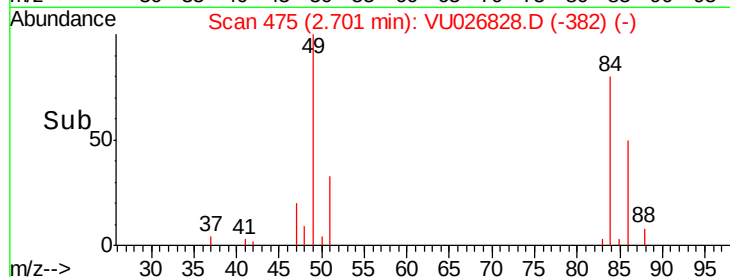
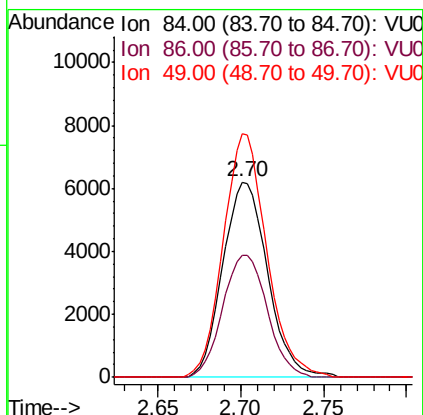
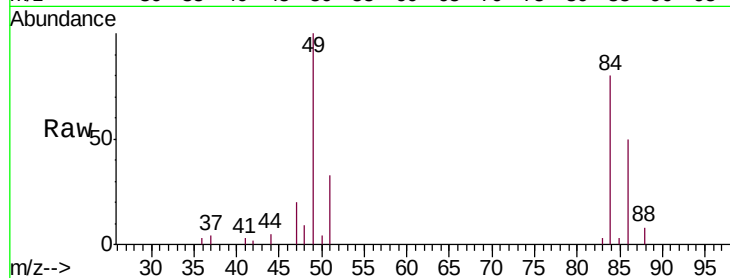




#16
Methylene chloride
Concen: 5.397 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026828.D
Acq: 17 Sep 2018 18:12

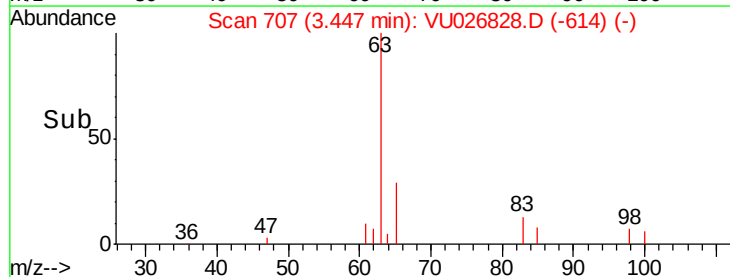
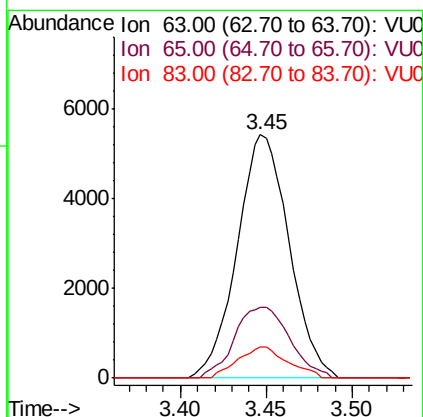
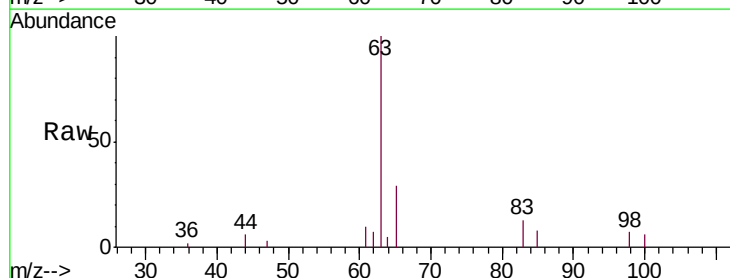
Instrument :
MSVOA_U
ClientSampleId :
C0D08

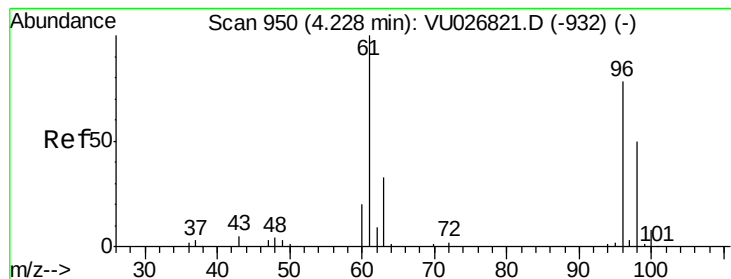
Tgt Ion: 84 Resp: 11673
Ion Ratio Lower Upper
84 100
86 62.8 45.3 84.1
49 124.8 86.2 160.2



#19
1,1-Dichloroethane
Concen: 3.154 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU026828.D
Acq: 17 Sep 2018 18:12

Tgt Ion: 63 Resp: 11398
Ion Ratio Lower Upper
63 100
65 29.0 22.1 41.1
83 12.7 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 56.329 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

C0D08

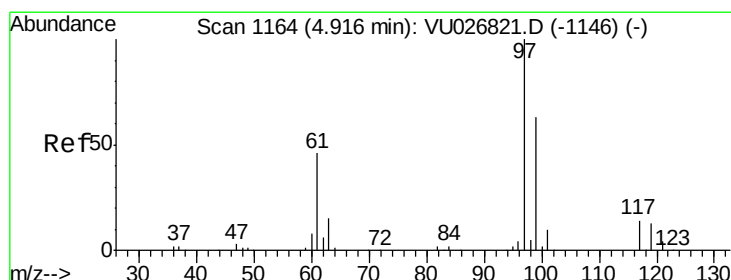
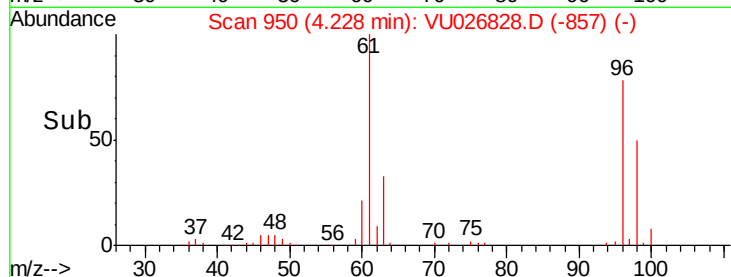
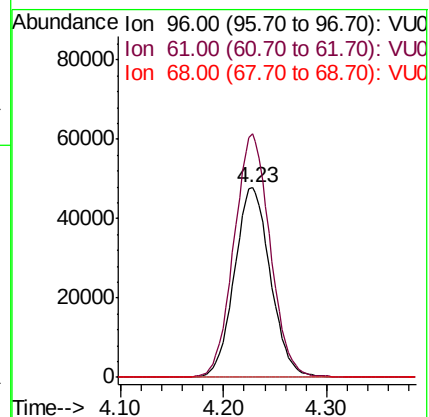
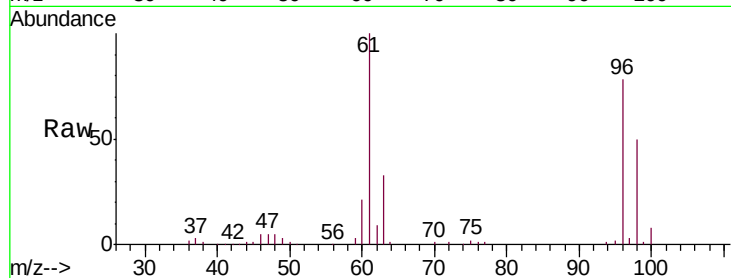
Tgt Ion: 96 Resp: 116094

Ion Ratio Lower Upper

96 100

61 128.3 90.2 167.4

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 4.239 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

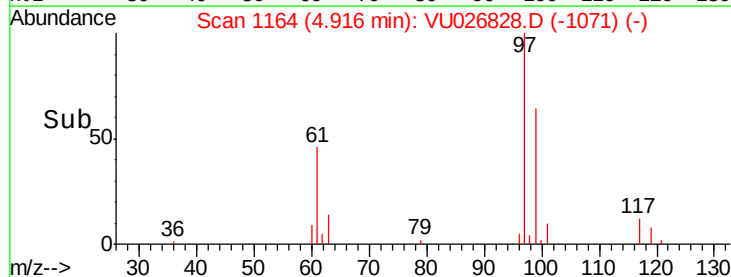
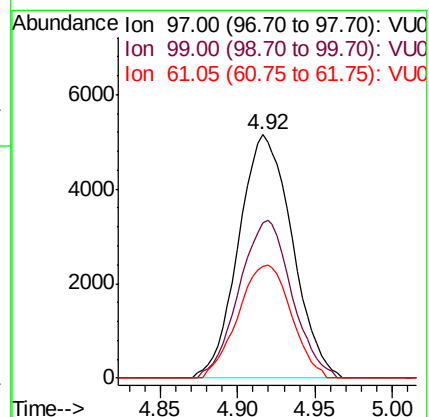
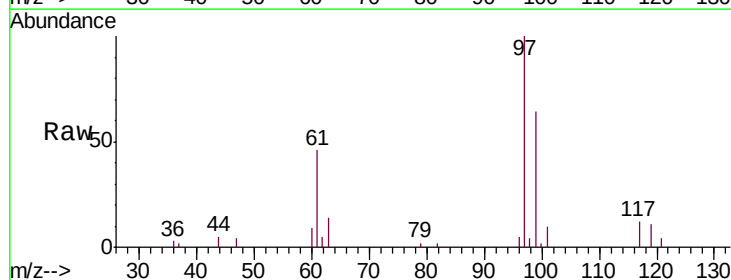
Tgt Ion: 97 Resp: 12421

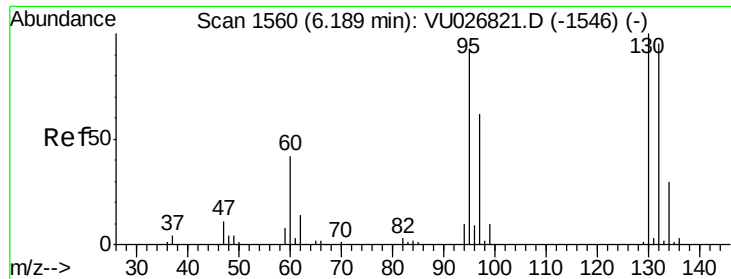
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

61 46.0 36.6 54.8





#34

Trichloroethene

Concen: 7.726 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

C0D08

Tgt Ion: 95 Resp: 14156

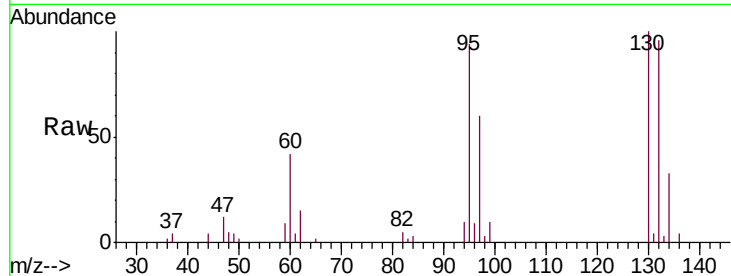
Ion Ratio Lower Upper

95 100

97 64.5 46.3 85.9

132 102.0 71.7 133.1

130 106.7 75.3 139.8

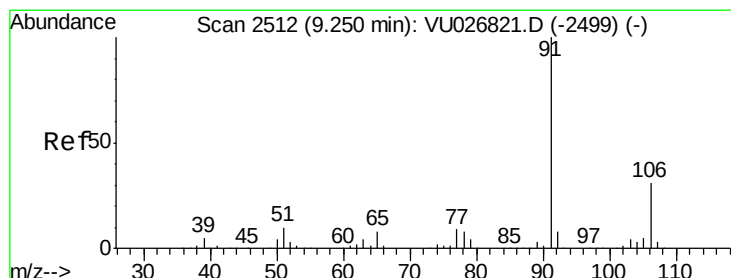
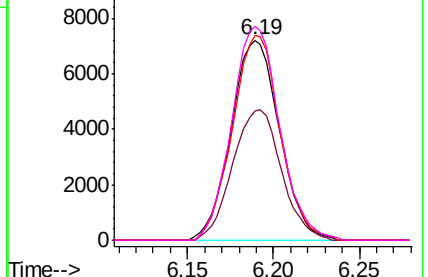
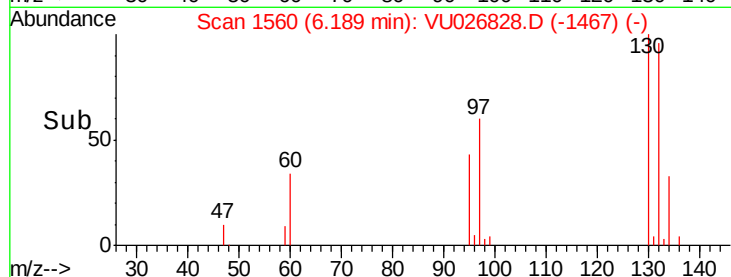


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#52

Ethylbenzene

Concen: 0.461 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026828.D

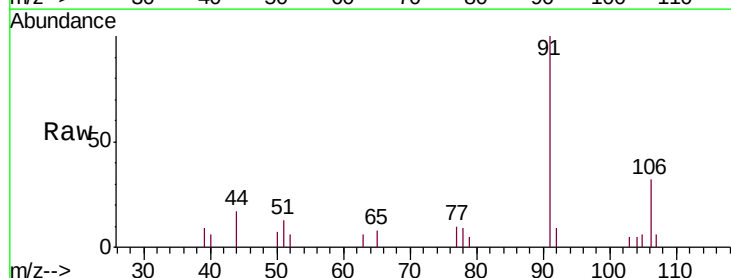
Acq: 17 Sep 2018 18:12

Tgt Ion: 91 Resp: 3734

Ion Ratio Lower Upper

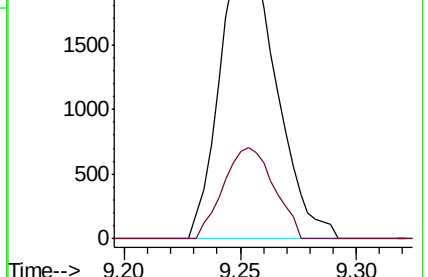
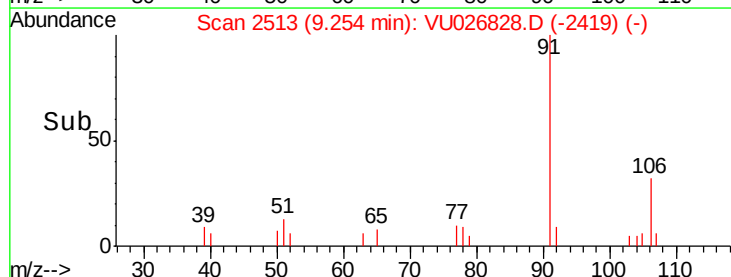
91 100

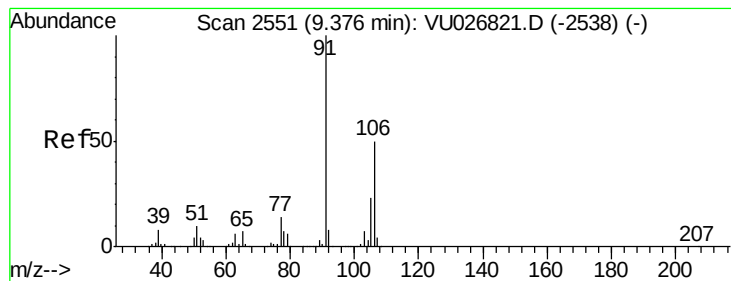
106 32.1 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.133 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

C0D08

Tgt Ion:106 Resp: 3527

Ion Ratio Lower Upper

106 100

91 221.4 139.2 258.6

