

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091718\
 Data File : VU026830.D
 Acq On : 17 Sep 2018 18:59
 Operator : MD/SY
 Sample : J4864-01 1000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D07

Quant Time: Sep 18 13:21:47 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	249182	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	237632	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84538	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.72%
7) Chloroethane-d5	1.68	69	75459	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.66%
11) 1,1-Dichloroethene-d2	2.27	63	127363	36.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.04%
21) 2-Butanone-d5	4.18	46	131326	107.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.36%
24) Chloroform-d	4.65	84	162229	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.31	65	106948	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
32) Benzene-d6	5.34	84	335313	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
36) 1,2-Dichloropropane-d6	6.33	67	109396	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.96%
41) Toluene-d8	7.57	98	283739	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.85	79	45228	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.31	63	91262	108.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	144843	48.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	107533	53.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.30%

Target Compounds

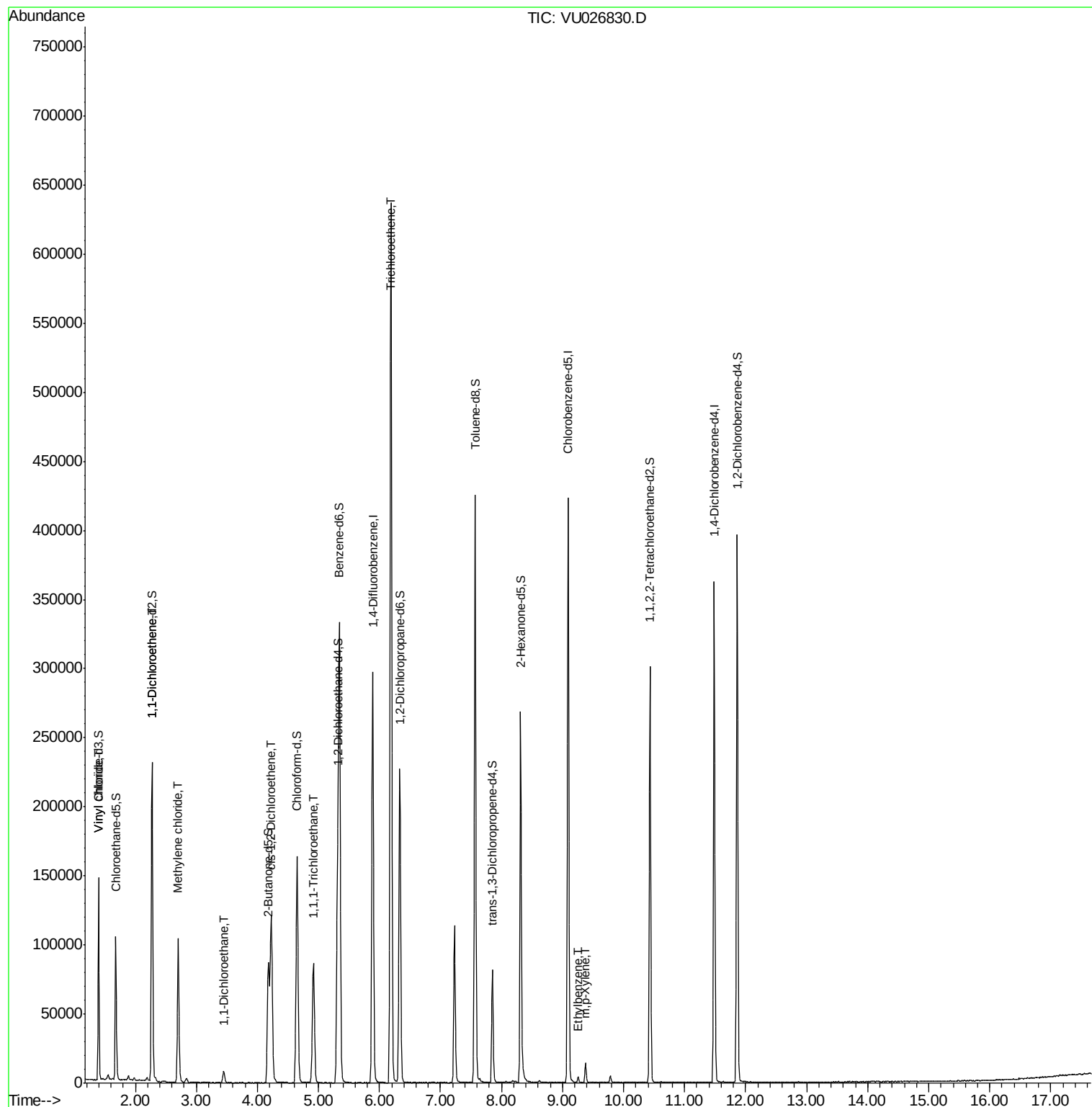
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	11523	4.929	ug/L	85
12) 1,1-Dichloroethene	2.28	96	7094	4.390	ug/L	# 1
16) Methylene chloride	2.70	84	46976	22.869	ug/L	97
19) 1,1-Dichloroethane	3.45	63	10078	2.936	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	65346	33.385	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	67130	23.746	ug/L	100
34) Trichloroethene	6.19	95	216970	122.726	ug/L	99
52) Ethylbenzene	9.25	91	3422	0.438	ug/L	96
53) m,p-Xylene	9.38	106	4027	1.341	ug/L	94

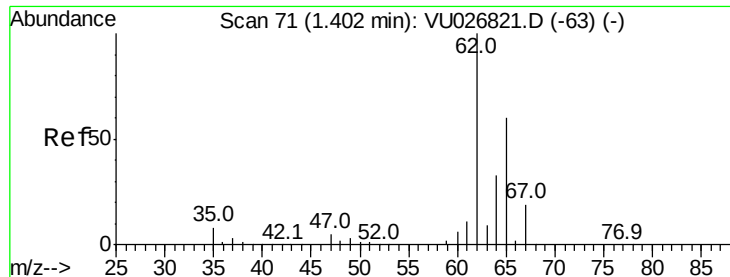
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.929 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026830.D

Acq: 17 Sep 2018 18:59

Instrument :

MSVOA_U

ClientSampled :

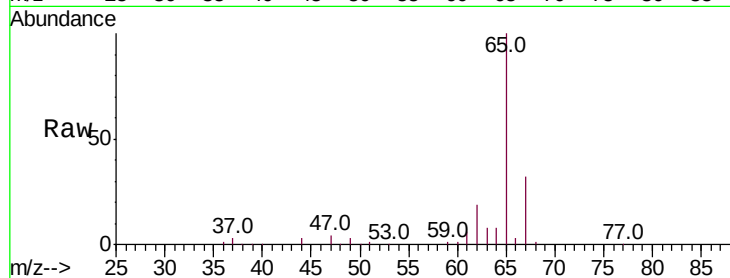
C0D07

Tot Ion: 62 Resp: 11523

Ion Ratio Lower Upper

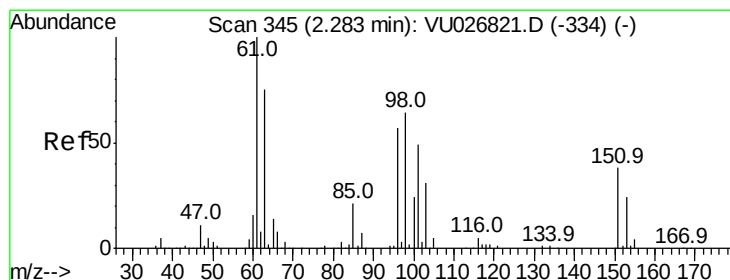
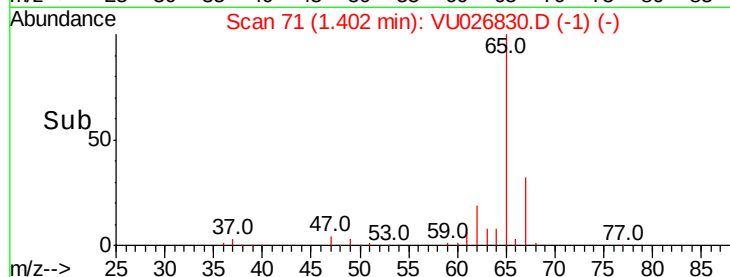
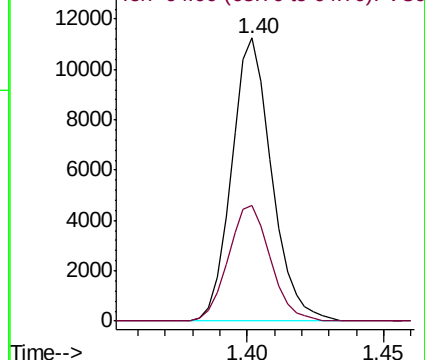
62 100

64 40.7 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: 4.390 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026830.D

Acq: 17 Sep 2018 18:59

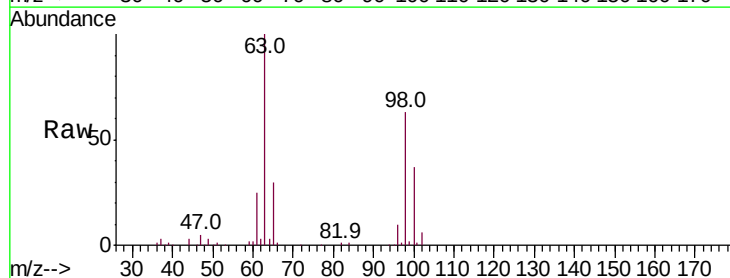
Tgt Ion: 96 Resp: 7094

Ion Ratio Lower Upper

96 100

61 259.1 124.0 230.4#

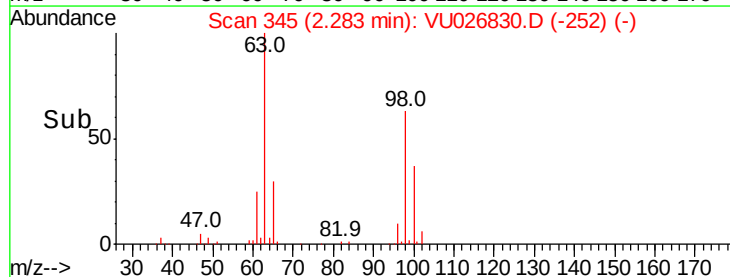
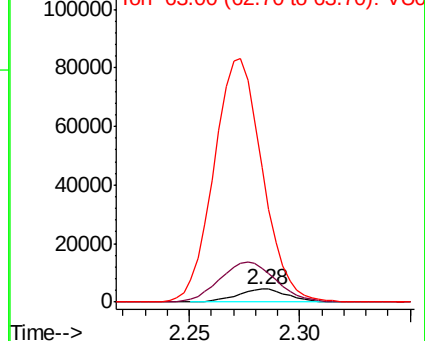
63 1036.6 97.7 181.5#

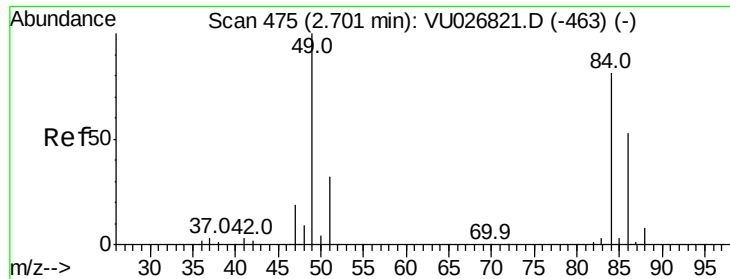


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

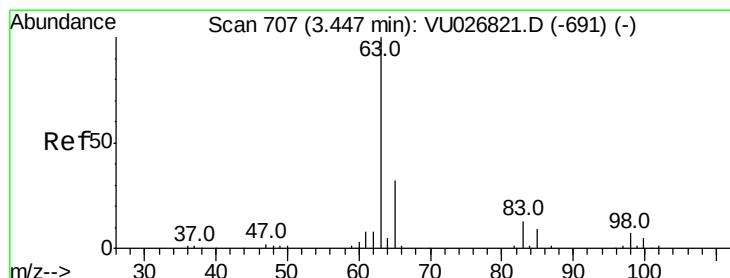
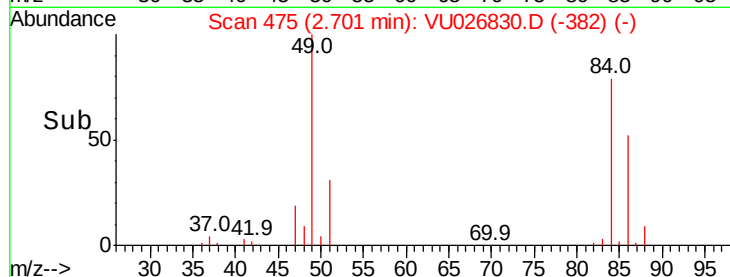
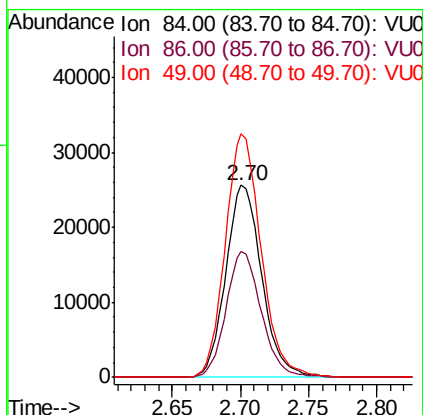
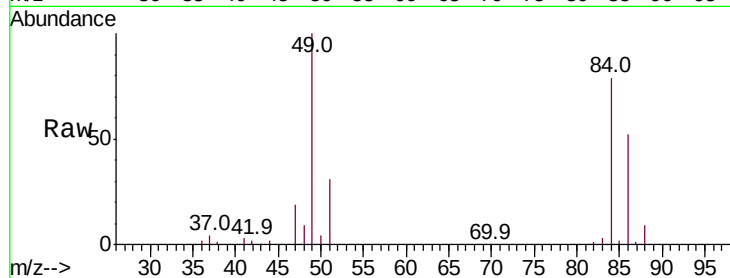




#16
Methylene chloride
Concen: 22.869 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026830.D
Acq: 17 Sep 2018 18:59

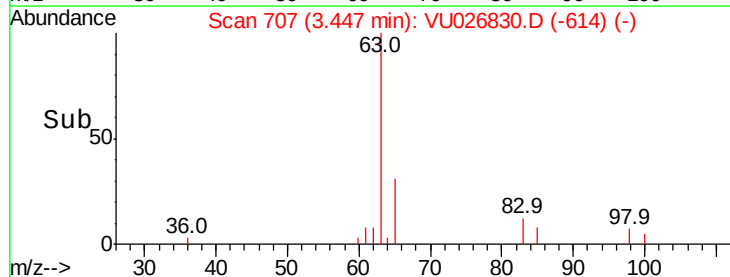
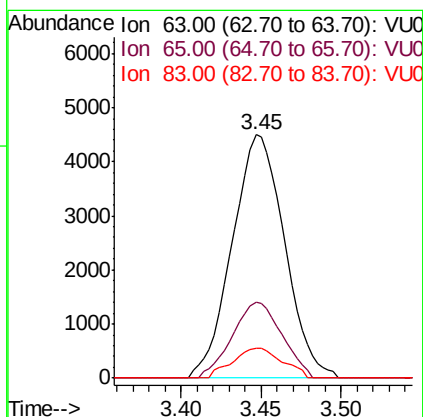
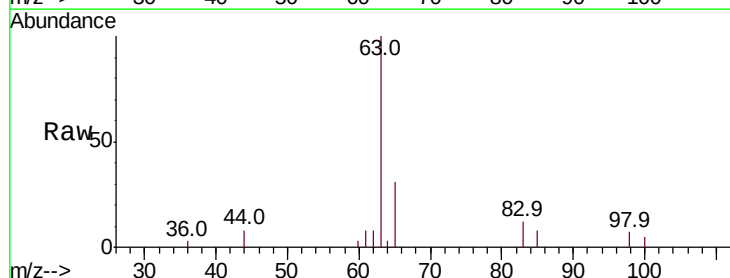
Instrument :
MSVOA_U
ClientSampleId :
C0D07

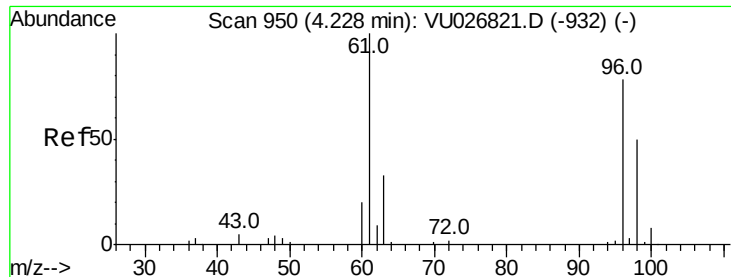
Tot Ion: 84 Resp: 46976
Ion Ratio Lower Upper
84 100
86 65.7 45.3 84.1
49 126.9 86.2 160.2



#19
1,1-Dichloroethane
Concen: 2.936 ug/L
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU026830.D
Acq: 17 Sep 2018 18:59

Tgt Ion: 63 Resp: 10078
Ion Ratio Lower Upper
63 100
65 31.3 22.1 41.1
83 12.1 9.3 17.3

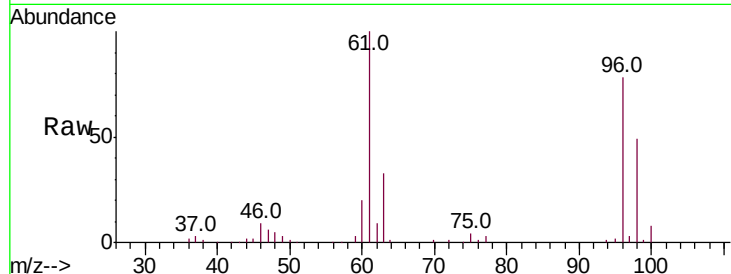




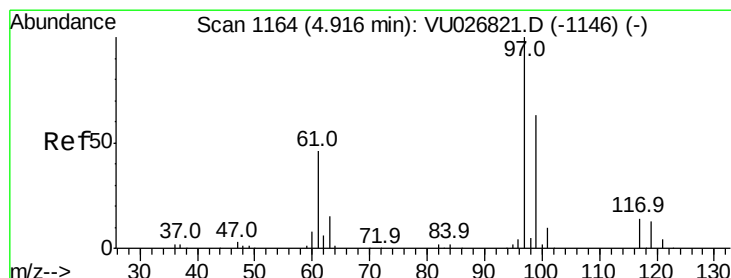
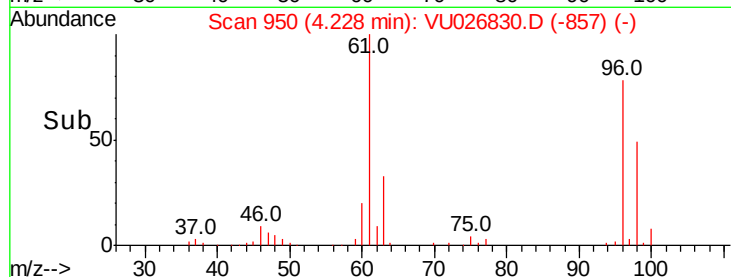
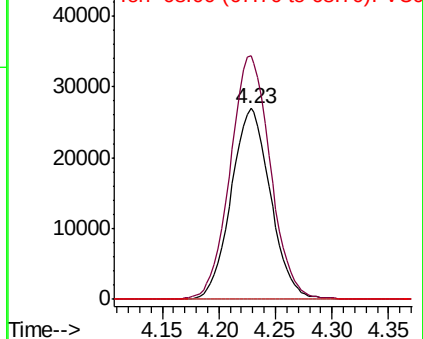
#20
 cis-1,2-Dichloroethene
 Concen: 33.385 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026830.D
 Acq: 17 Sep 2018 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D07

Tot Ion: 96 Resp: 65346
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.2 167.4
 68 0.0 0.0 0.0

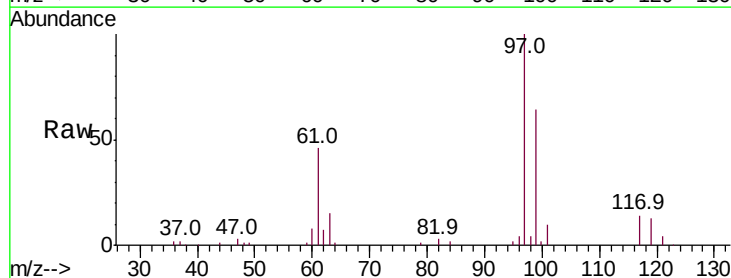


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

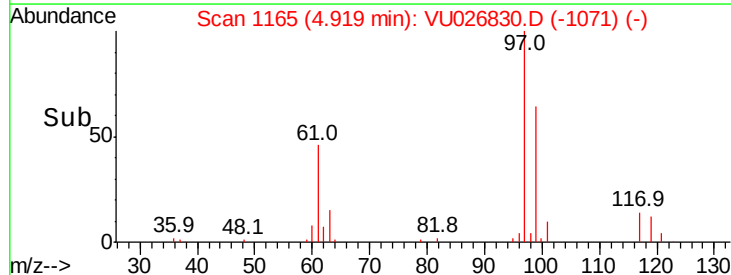
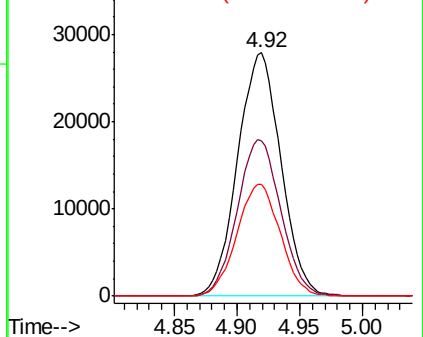


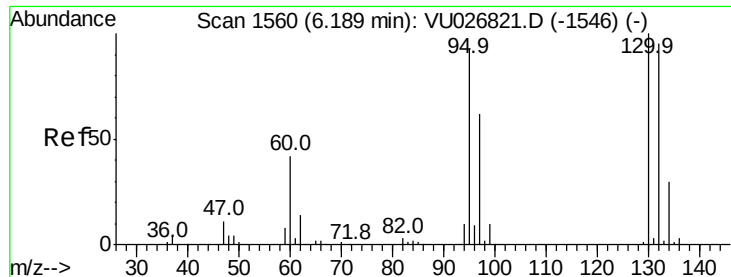
#30
 1,1,1-Trichloroethane
 Concen: 23.746 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU026830.D
 Acq: 17 Sep 2018 18:59

Tgt Ion: 97 Resp: 67130
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.8
 61 45.8 36.6 54.8



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: 122.726 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026830.D

Acq: 17 Sep 2018 18:59

Instrument :

MSVOA_U

ClientSampleId :

C0D07

Tot Ion: 95 Resp: 216970

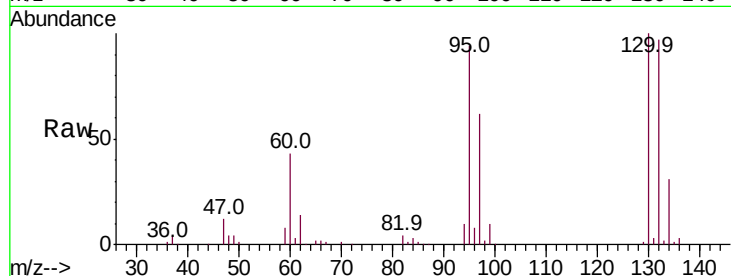
Ion Ratio Lower Upper

95 100

97 65.1 46.3 85.9

132 102.7 71.7 133.1

130 105.8 75.3 139.8

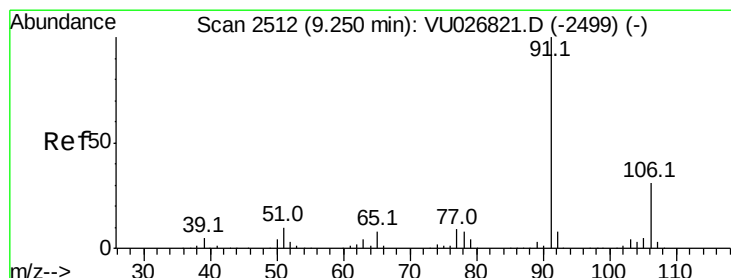
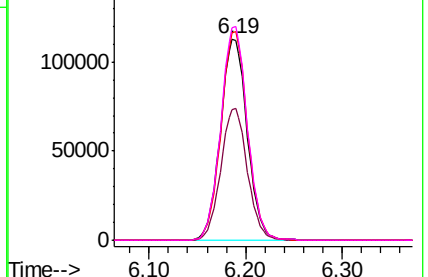
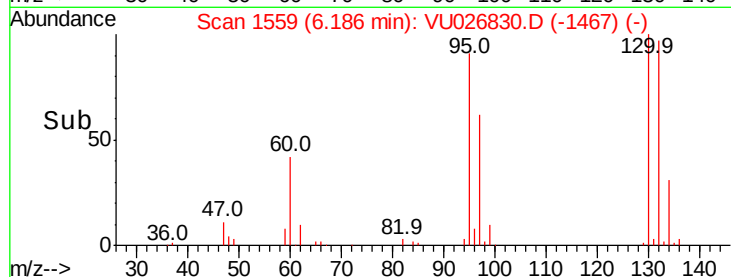


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.438 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026830.D

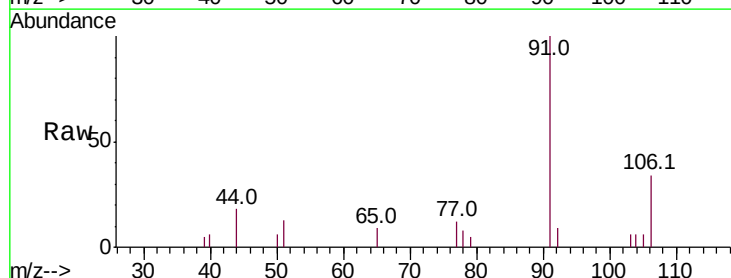
Acq: 17 Sep 2018 18:59

Tgt Ion: 91 Resp: 3422

Ion Ratio Lower Upper

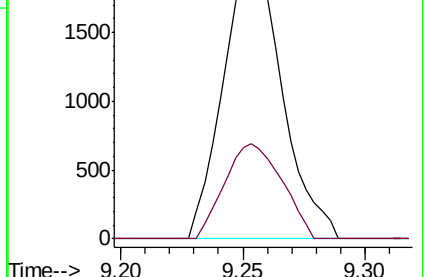
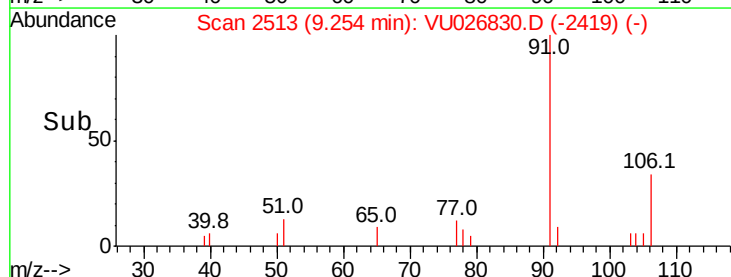
91 100

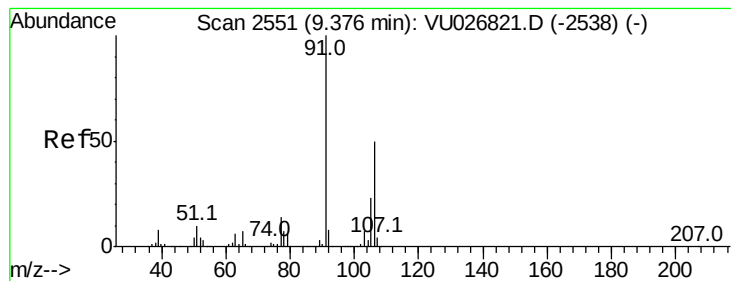
106 33.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.341 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026830.D

Acq: 17 Sep 2018 18:59

Instrument :

MSVOA_U

ClientSampleId :

C0D07

Tot Ion:106 Resp: 4027

Ion Ratio Lower Upper

106 100

91 207.8 139.2 258.6

