

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030725.D
 Acq On : 05 Apr 2019 08:00
 Operator : JC/SP
 Sample : K2249-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

Quant Time: Apr 05 09:03:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:33:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512231	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	498930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	211066	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.32%
7) Chloroethane-d5	1.68	69	164927	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.04%
11) 1,1-Dichloroethene-d2	2.27	63	376165	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.96%
21) 2-Butanone-d5	4.17	46	338622	93.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.64	84	317028	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
26) 1,2-Dichloroethane-d4	5.31	65	221469	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
32) Benzene-d6	5.33	84	673352	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.32	67	227631	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.20%
41) Toluene-d8	7.56	98	577283	44.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.44%
43) trans-1,3-Dichloropropene-	7.85	79	98269	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.34%
47) 2-Hexanone-d5	8.31	63	203336	89.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304505	45.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	195280	47.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.28%

Target Compounds

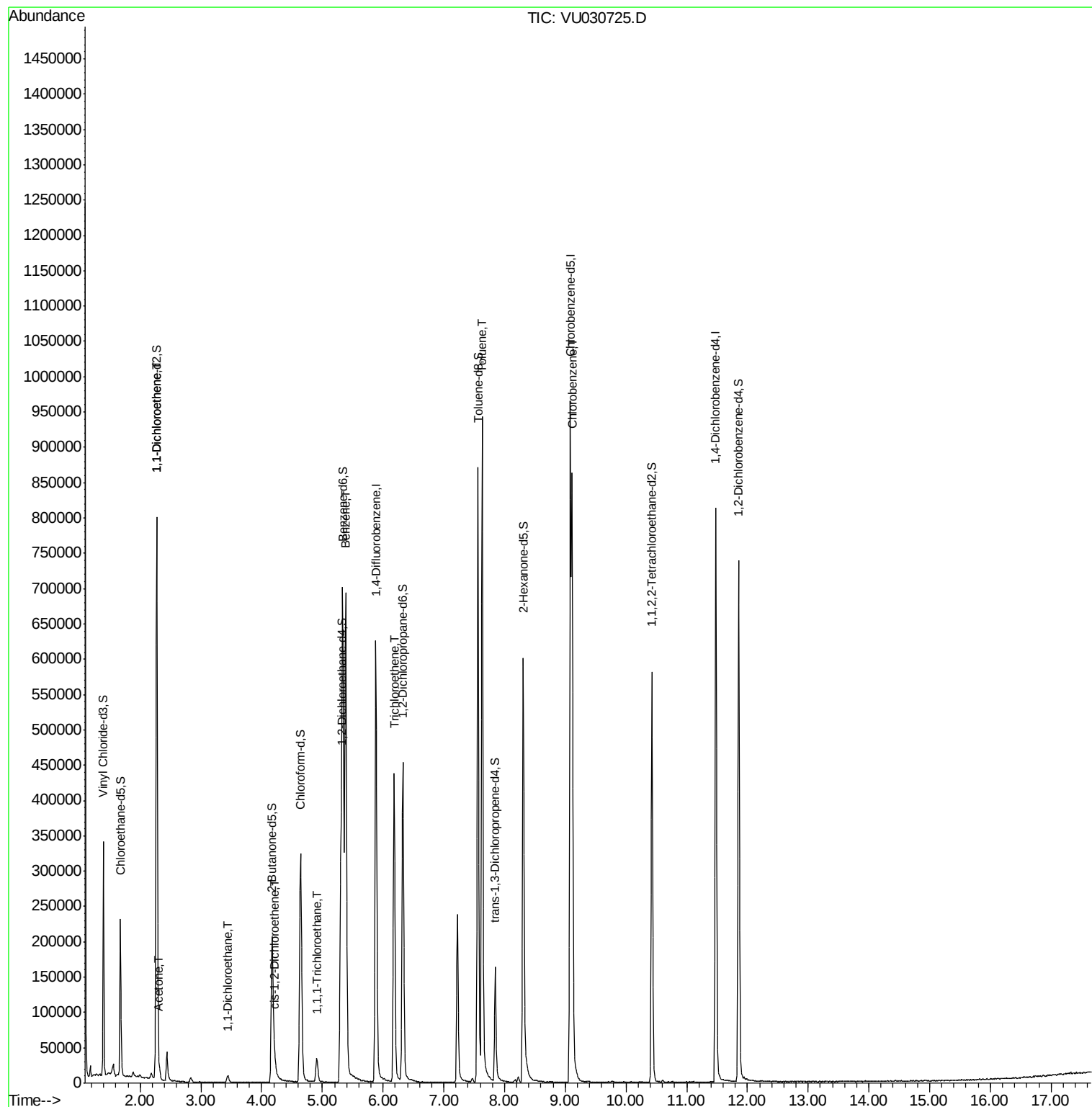
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	141663	40.009	ug/L	93
13) Acetone	2.31	43	12271	3.309	ug/L	99
19) 1,1-Dichloroethane	3.44	63	11503	1.483	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	3943	0.950	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	26258	4.318	ug/L	96
33) Benzene	5.39	78	677559	41.499	ug/L	100
34) Trichloroethene	6.18	95	164168	40.996	ug/L	99
42) Toluene	7.63	91	681763	40.907	ug/L	100
51) Chlorobenzene	9.12	112	434618	42.519	ug/L	99

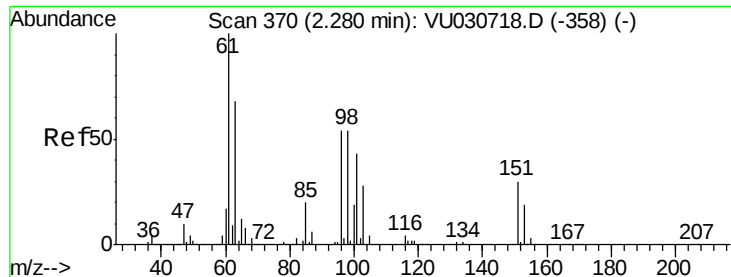
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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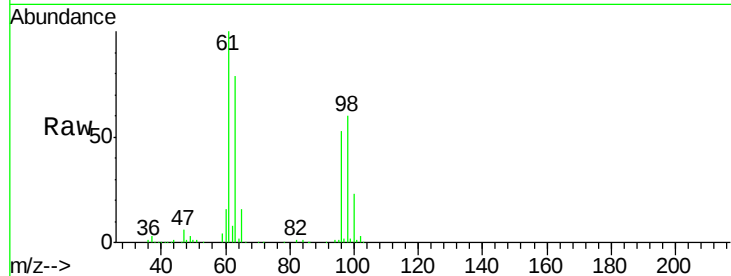




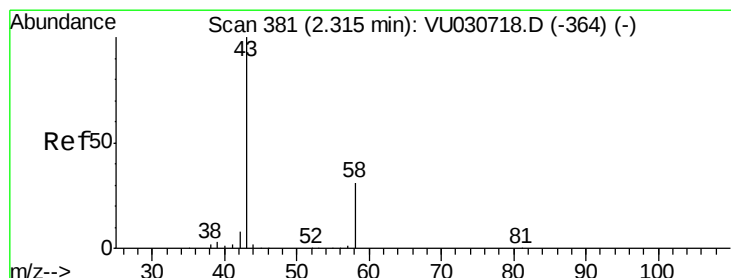
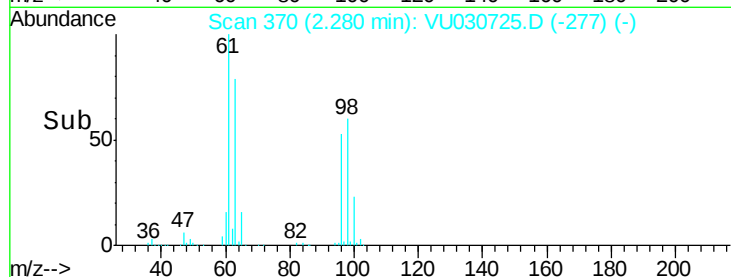
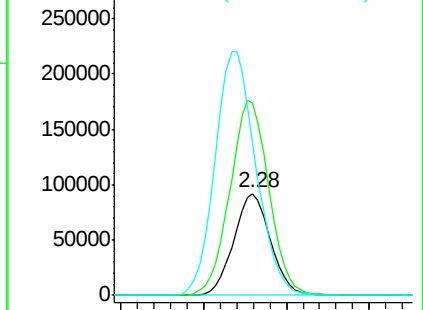
#12
 1,1-Dichloroethene
 Concen: 40.009 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

Tot Ion: 96 Resp: 141663
 Ion Ratio Lower Upper
 96 100
 61 188.8 132.0 245.2
 63 149.4 90.9 168.9

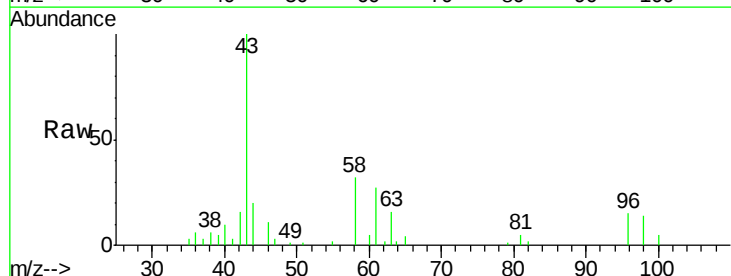


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

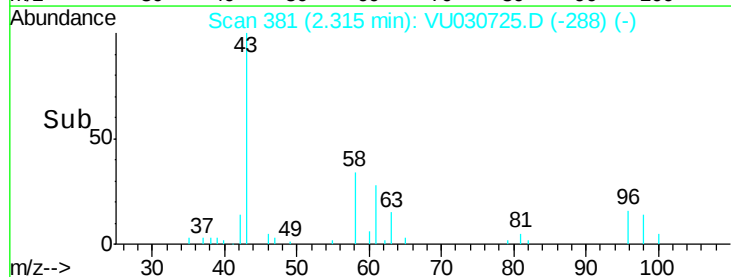
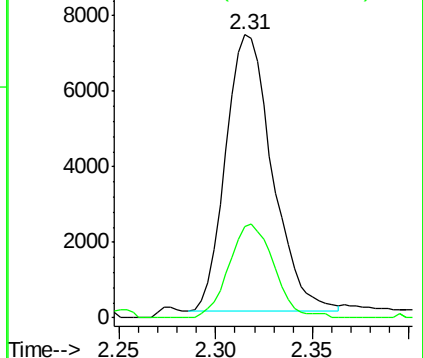


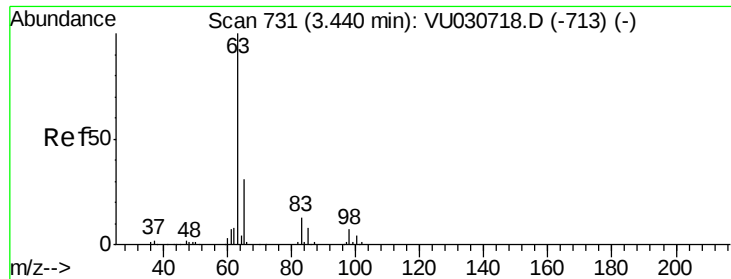
#13
 Acetone
 Concen: 3.309 ug/L
 RT: 2.31 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Tgt Ion: 43 Resp: 12271
 Ion Ratio Lower Upper
 43 100
 58 32.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

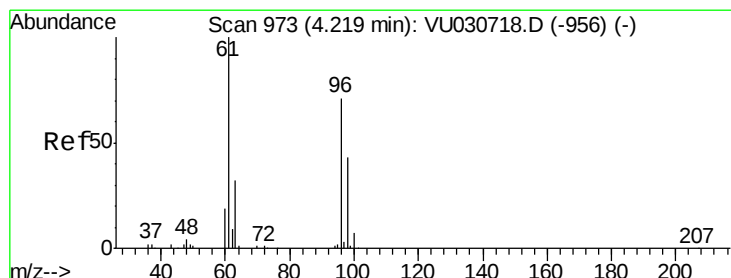
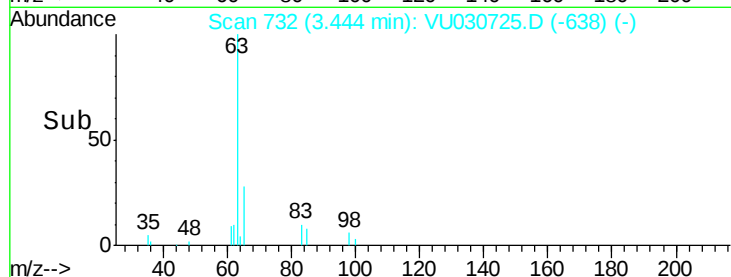
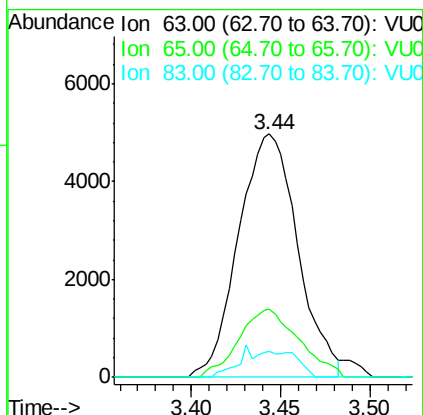
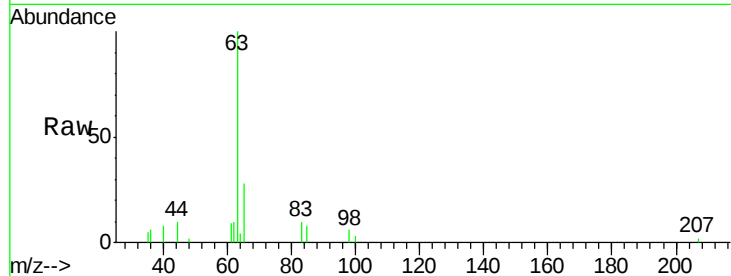




#19
 1,1-Dichloroethane
 Concen: 1.483 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

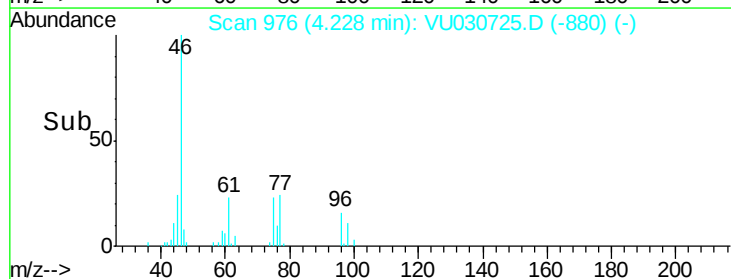
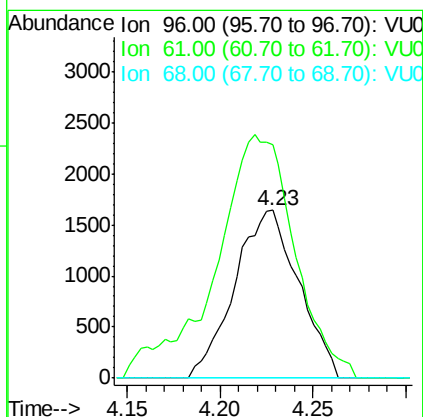
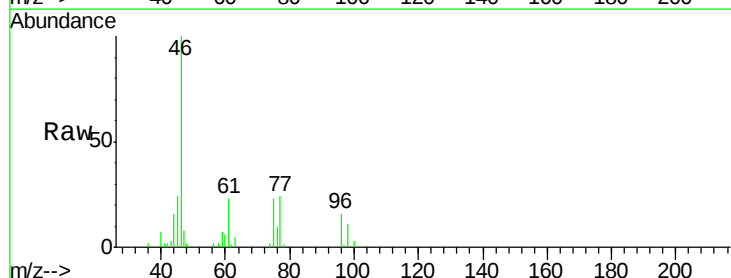
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

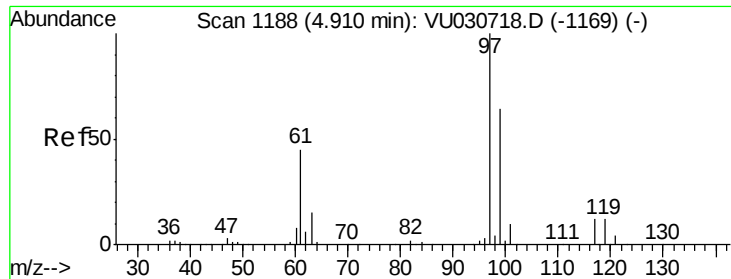
Tot Ion: 63 Resp: 11503
 Ion Ratio Lower Upper
 63 100
 65 28.1 21.4 39.8
 83 10.4 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 0.950 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Tgt Ion: 96 Resp: 3943
 Ion Ratio Lower Upper
 96 100
 61 138.9 102.9 191.1
 68 0.0 0.0 0.0

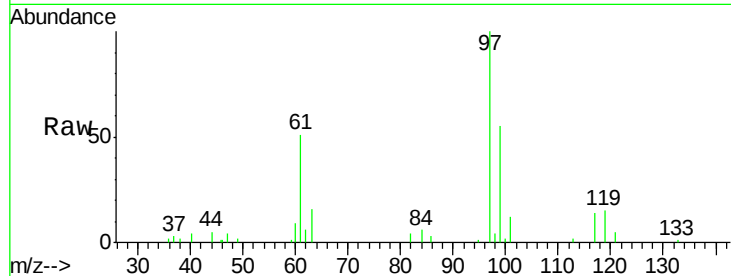




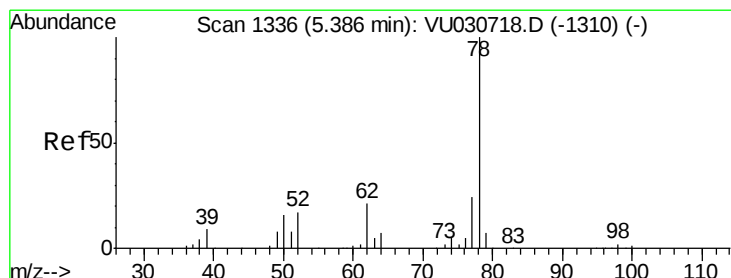
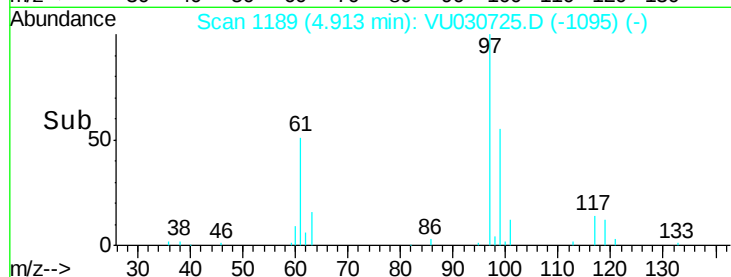
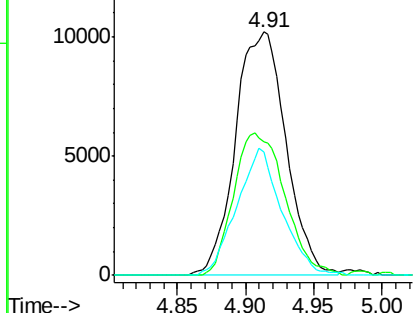
#30
 1,1,1-Trichloroethane
 Concen: 4.318 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

Tot Ion: 97 Resp: 26258
 Ion Ratio Lower Upper
 97 100
 99 59.4 51.4 77.2
 61 46.4 37.1 55.7

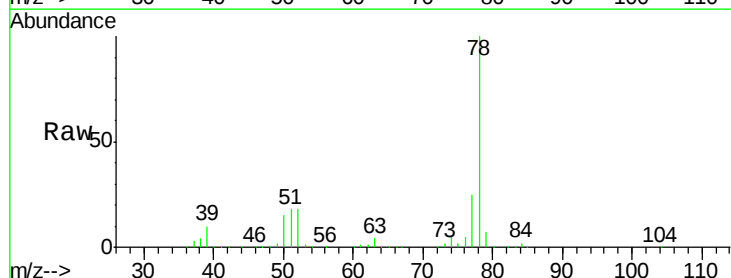


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

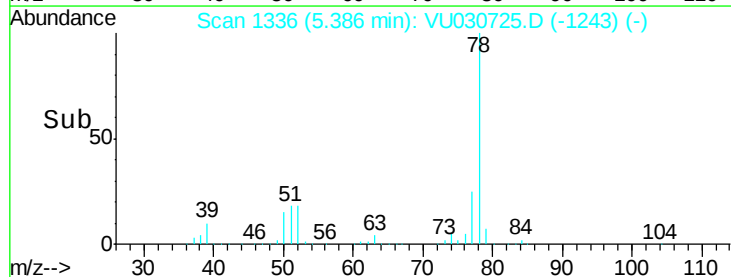
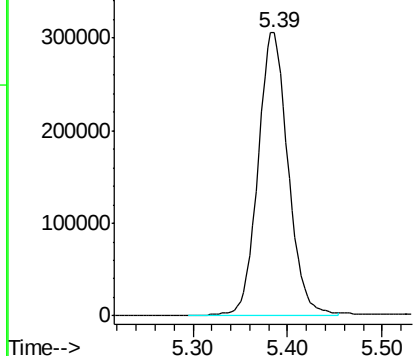


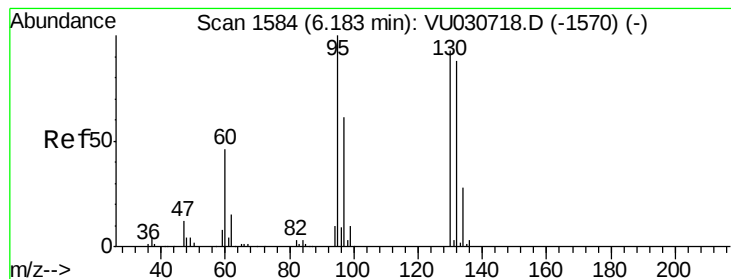
#33
 Benzene
 Concen: 41.499 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Tgt Ion: 78 Resp: 677559



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 40.996 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Instrument :

MSVOA_U

ClientSampleId :

E3YD9MS

Tot Ion: 95 Resp: 164168

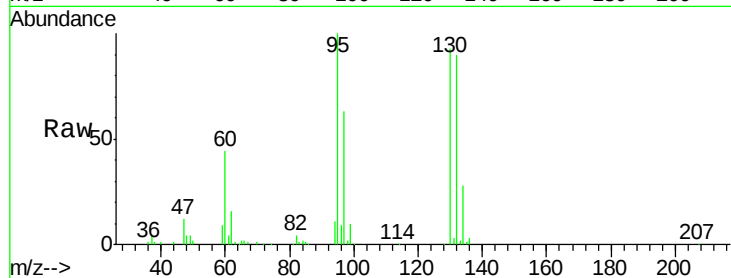
Ion Ratio Lower Upper

95 100

97 62.9 44.5 82.7

132 90.3 61.5 114.1

130 93.4 64.9 120.5

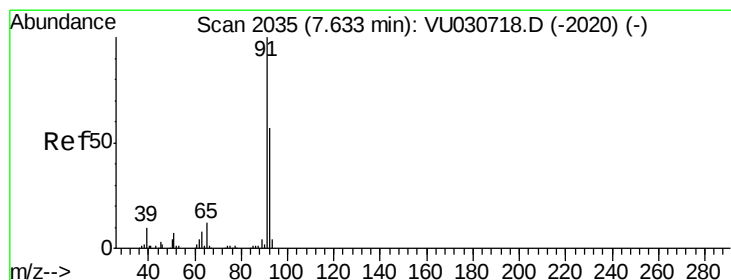
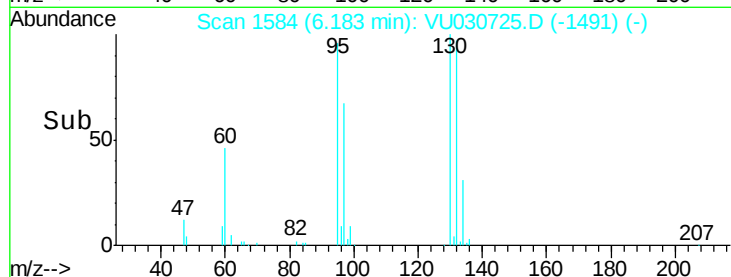
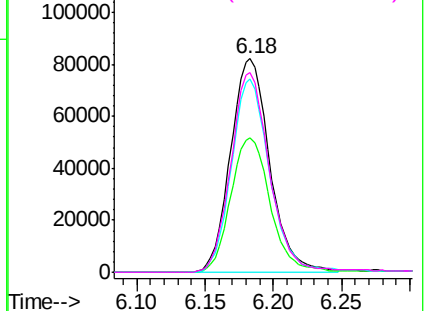


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 40.907 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030725.D

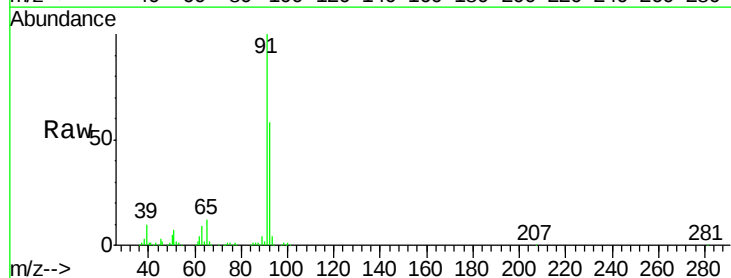
Acq: 05 Apr 2019 08:00

Tgt Ion: 91 Resp: 681763

Ion Ratio Lower Upper

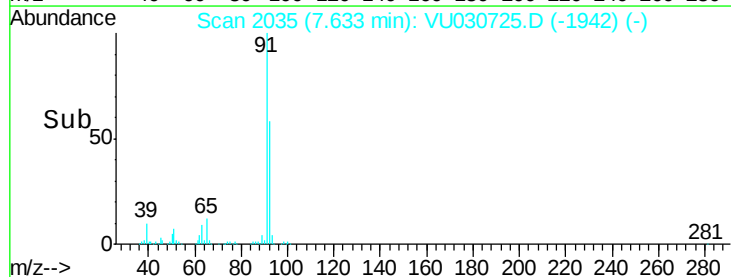
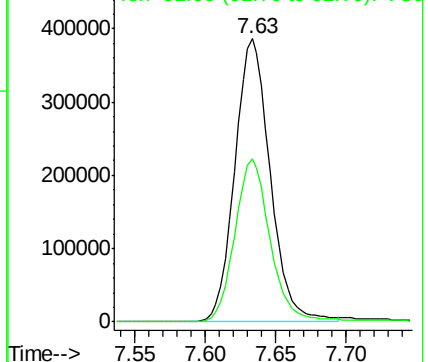
91 100

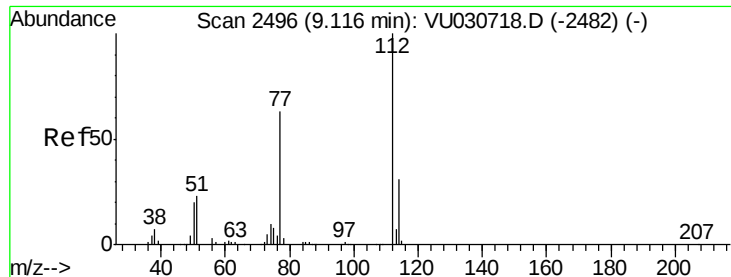
92 57.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#51
 Chlorobenzene
 Concen: 42.519 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
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Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.2	41.2
77	63.6	51.7	77.5

