

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031114.D
 Acq On : 12 Apr 2019 09:01
 Operator : JC/SP
 Sample : K2341-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 106 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB737

Quant Time: Apr 12 23:47:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 23:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	530500	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	525681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	233527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156003	32.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.88%
7) Chloroethane-d5	1.68	69	135734	37.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.52%
11) 1,1-Dichloroethene-d2	2.27	63	233085	27.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.42%#
21) 2-Butanone-d5	4.17	46	335666	89.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.43%
24) Chloroform-d	4.64	84	305977	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.31	65	219901	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
32) Benzene-d6	5.34	84	619055	40.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.68%
36) 1,2-Dichloropropane-d6	6.32	67	220648	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.90%
41) Toluene-d8	7.56	98	530650	39.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.02%#
43) trans-1,3-Dichloropropene-	7.85	79	94630	39.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.92%
47) 2-Hexanone-d5	8.31	63	214247	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	316838	44.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	210542	45.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.68%

Target Compounds

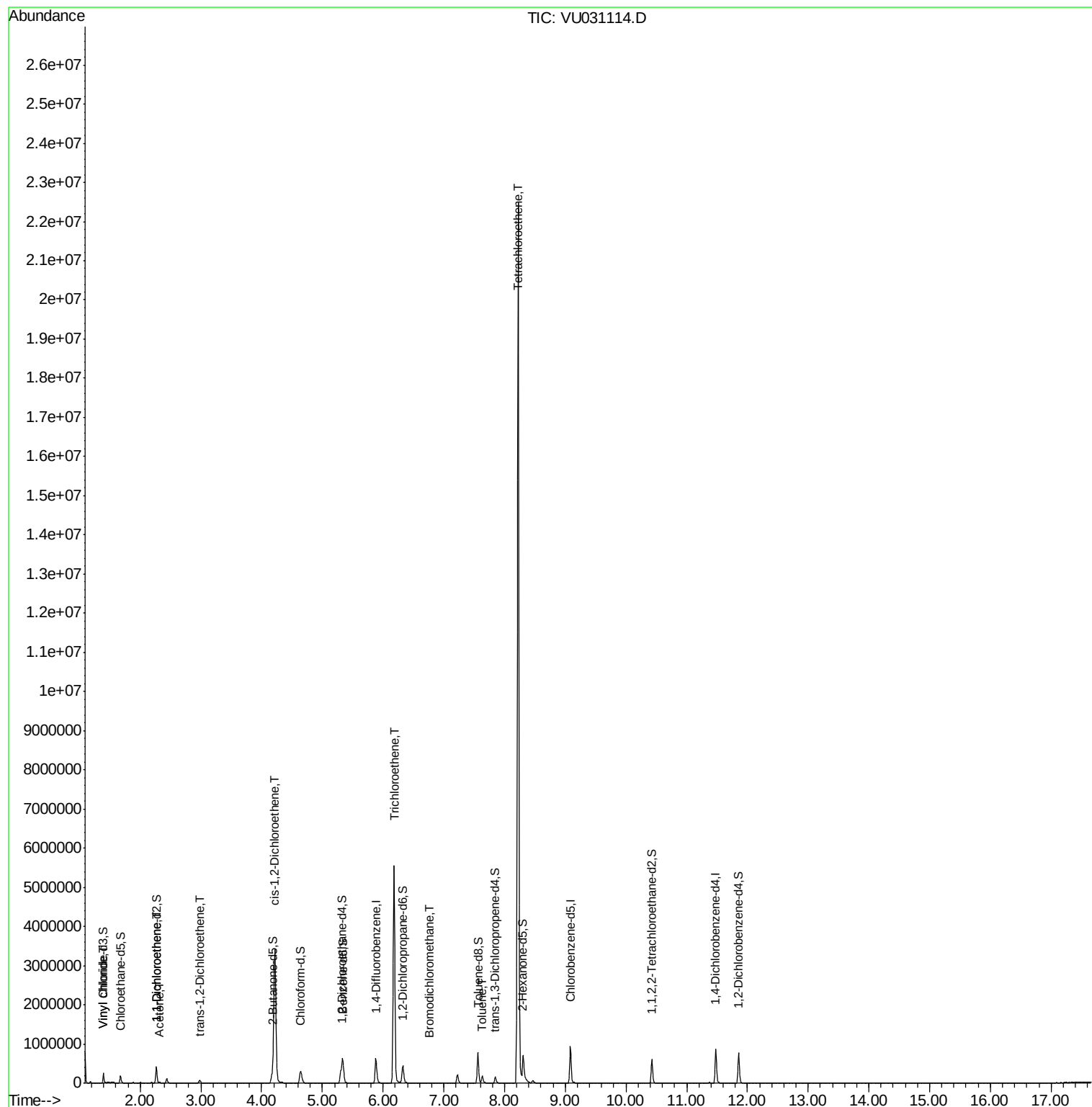
					Ovalue
5) Vinyl chloride	1.40	62	4477	0.767 ug/L #	1
12) 1,1-Dichloroethene	2.28	96	5650	1.541 ug/L #	1
13) Acetone	2.31	43	29137	7.587 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	27465	7.054 ug/L	91
20) cis-1,2-Dichloroethene	4.22	96	1848461	429.951 ug/L	94
34) Trichloroethene	6.18	95	1972631	467.534 ug/L	97
38) Bromodichloromethane	6.76	83	7761	1.321 ug/L	87
42) Toluene	7.64	91	135012	7.689 ug/L	99
46) Tetrachloroethene	8.22	164	4958618	1616.499 ug/L	99

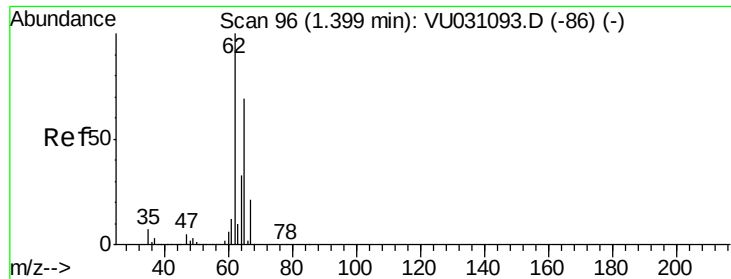
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.767 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031114.D

Acq: 12 Apr 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

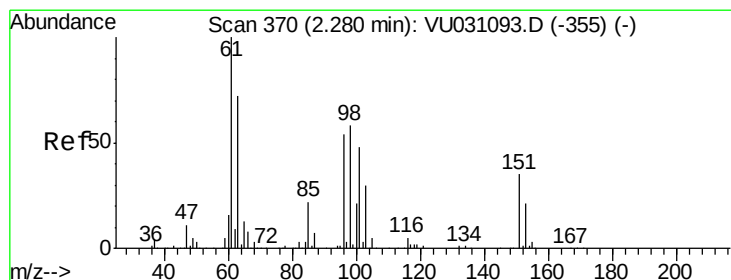
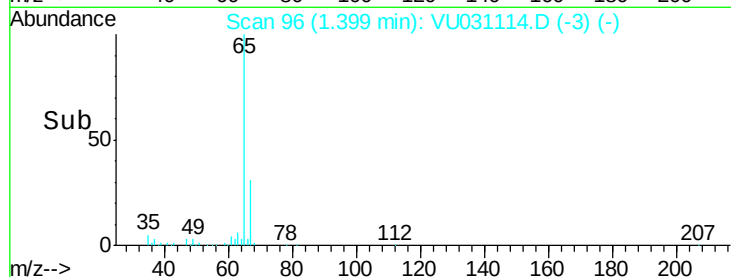
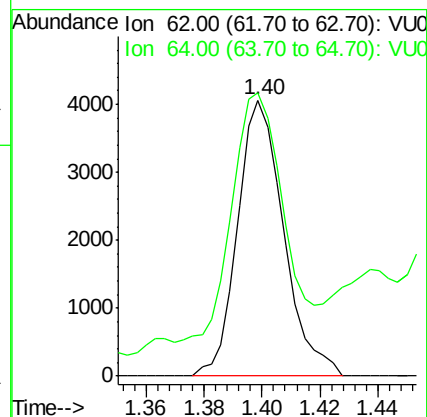
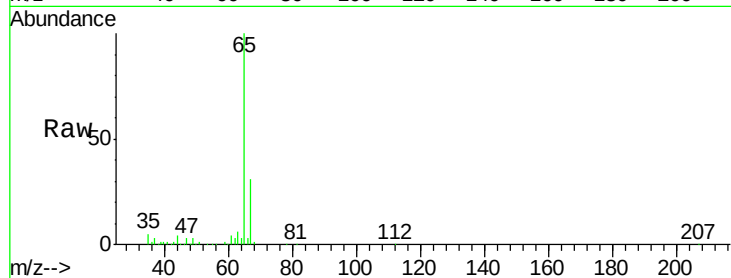
DB737

Tot Ion: 62 Resp: 4477

Ion Ratio Lower Upper

62 100

64 102.6 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 1.541 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031114.D

Acq: 12 Apr 2019 09:01

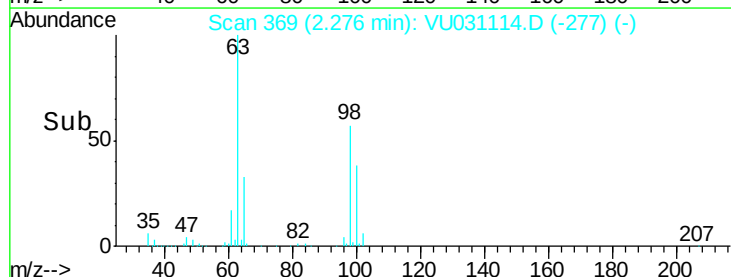
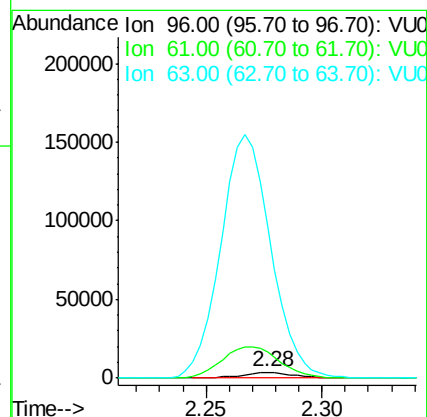
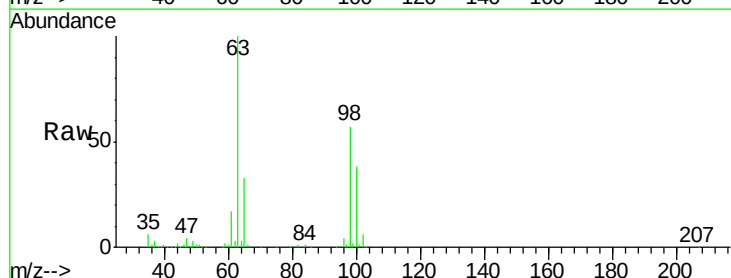
Tgt Ion: 96 Resp: 5650

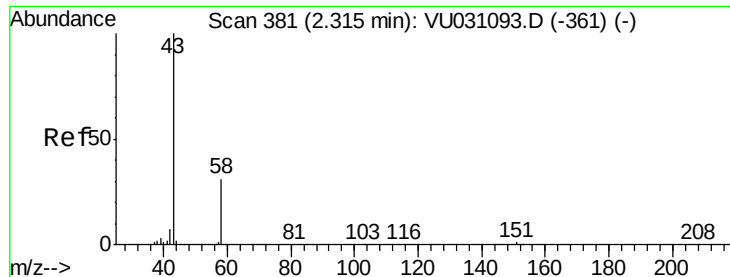
Ion Ratio Lower Upper

96 100

61 469.3 132.0 245.2#

63 2704.0 90.9 168.9#





#13

Acetone

Concen: 7.587 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031114.D

Acq: 12 Apr 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

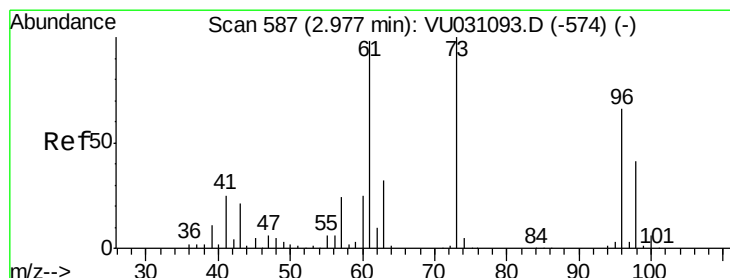
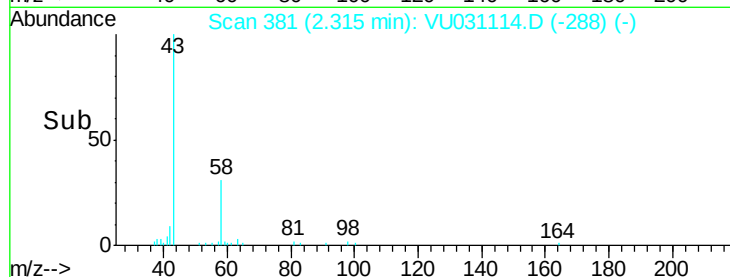
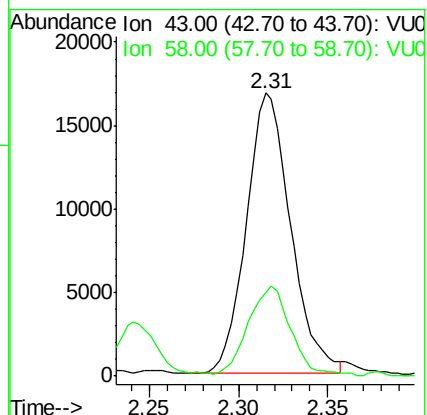
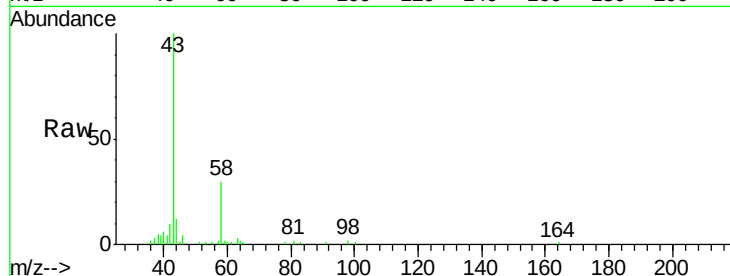
DB737

Tot Ion: 43 Resp: 29137

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.0



#17

trans-1,2-Dichloroethene

Concen: 7.054 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031114.D

Acq: 12 Apr 2019 09:01

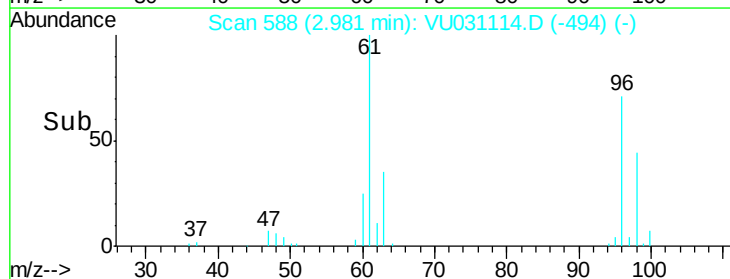
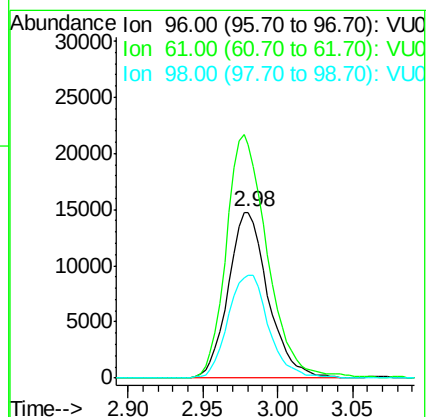
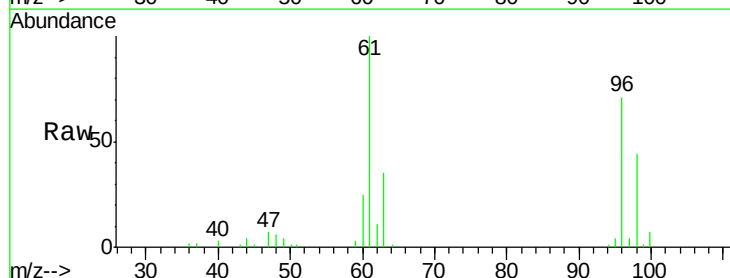
Tgt Ion: 96 Resp: 27465

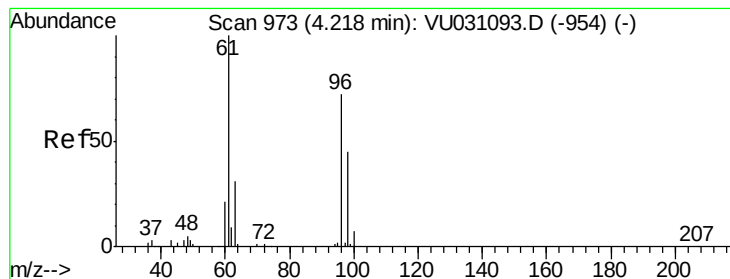
Ion Ratio Lower Upper

96 100

61 140.4 109.5 203.3

98 62.1 44.0 81.6



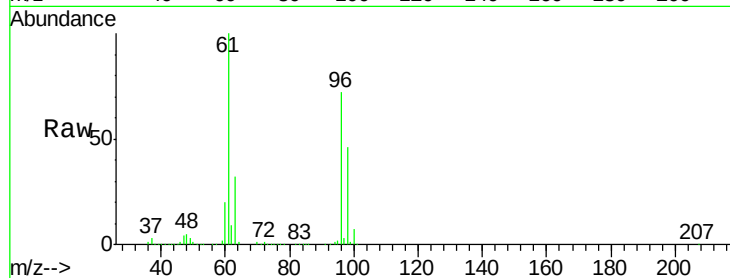


#20

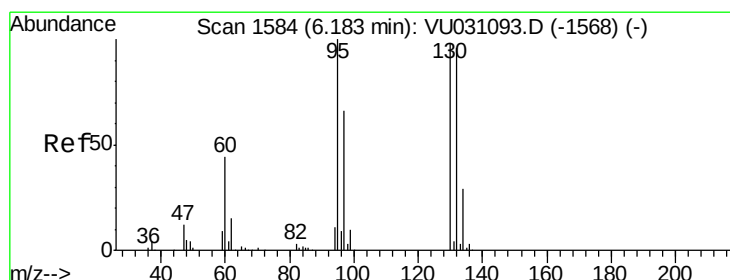
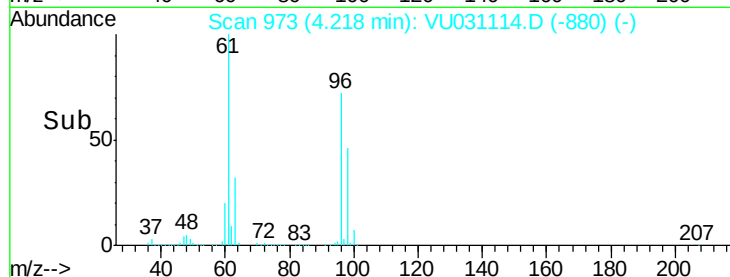
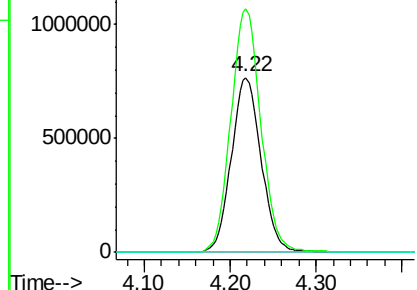
cis-1,2-Dichloroethene
Concen: 429.951 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU031114.D
Acq: 12 Apr 2019 09:01

Instrument :
MSVOA_U
ClientSampled :
DB737

Tot Ion: 96 Resp: 1848461
Ion Ratio Lower Upper
96 100
61 139.4 102.9 191.1
68 0.0 0.0 0.0



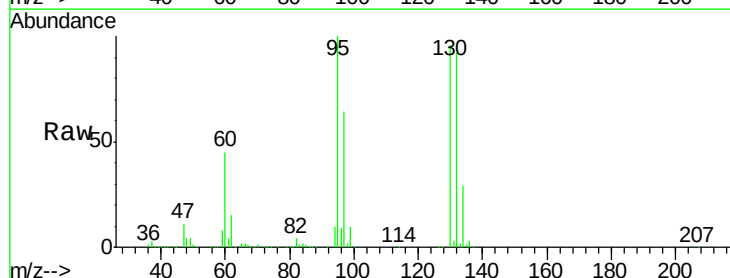
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



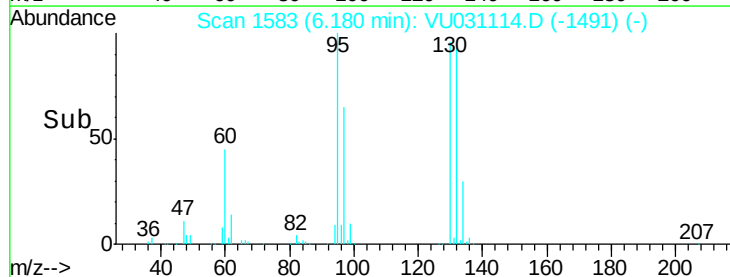
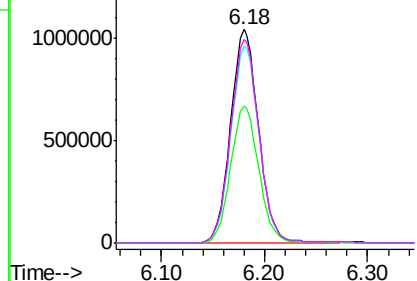
#34

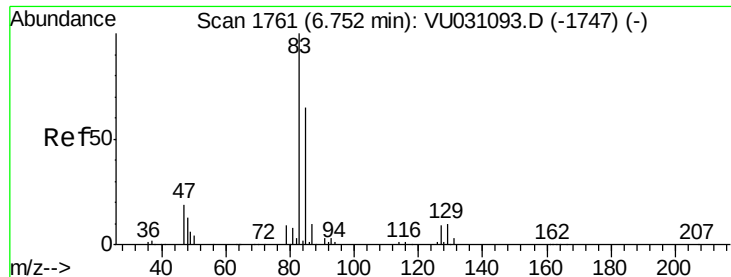
Trichloroethene
Concen: 467.534 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031114.D
Acq: 12 Apr 2019 09:01

Tgt Ion: 95 Resp: 1972631
Ion Ratio Lower Upper
95 100
97 64.3 44.5 82.7
132 92.3 61.5 114.1
130 95.5 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

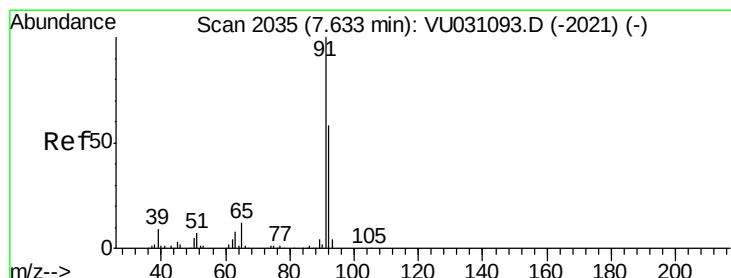
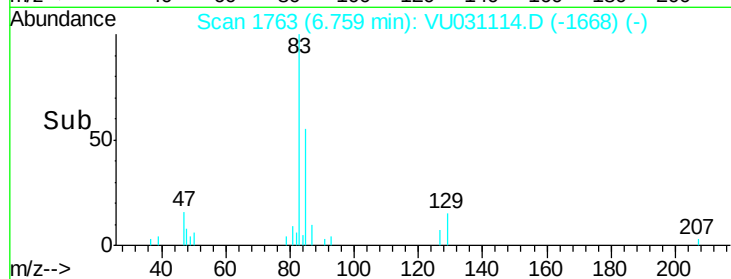
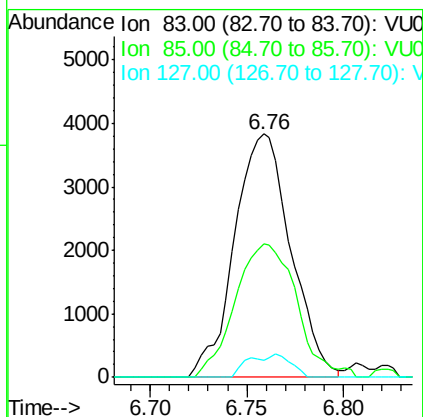
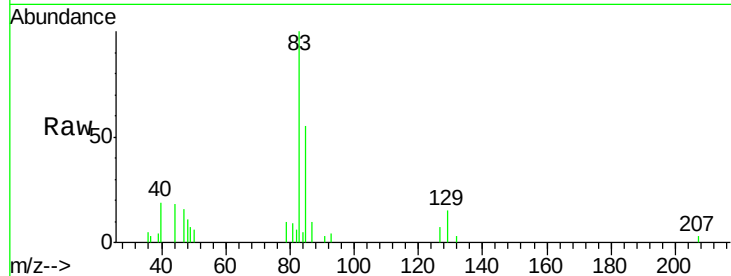




#38
 Bromodichloromethane
 Concen: 1.321 ug/L
 RT: 6.76 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VU031114.D
 Acq: 12 Apr 2019 09:01

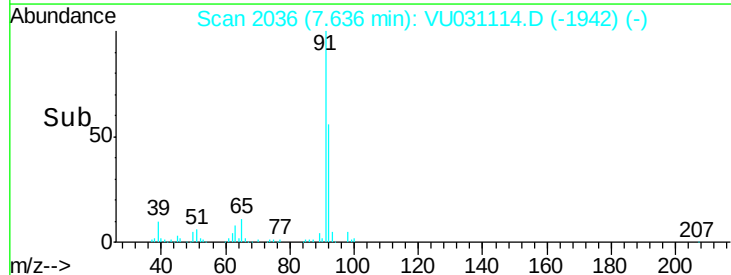
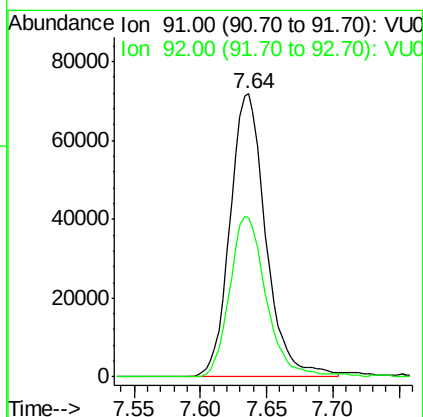
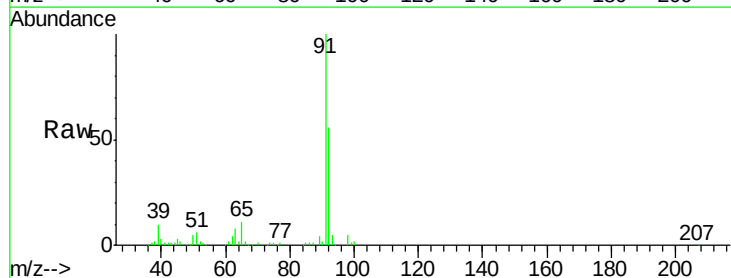
Instrument :
 MSVOA_U
 ClientSampleId :
 DB737

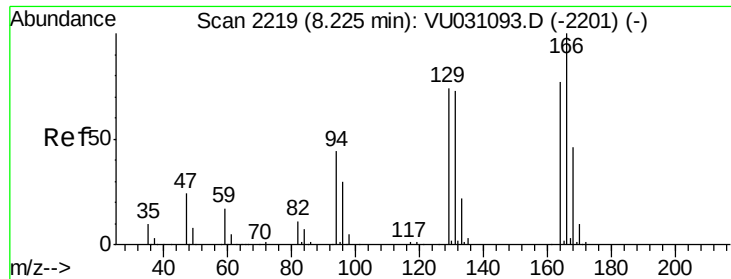
Tot Ion: 83 Resp: 7761
 Ion Ratio Lower Upper
 83 100
 85 54.9 46.5 86.3
 127 7.0 6.6 10.0



#42
 Toluene
 Concen: 7.689 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU031114.D
 Acq: 12 Apr 2019 09:01

Tgt Ion: 91 Resp: 135012
 Ion Ratio Lower Upper
 91 100
 92 56.3 40.0 74.4





#46

Tetrachloroethene

Concen: 1616.499 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031114.D

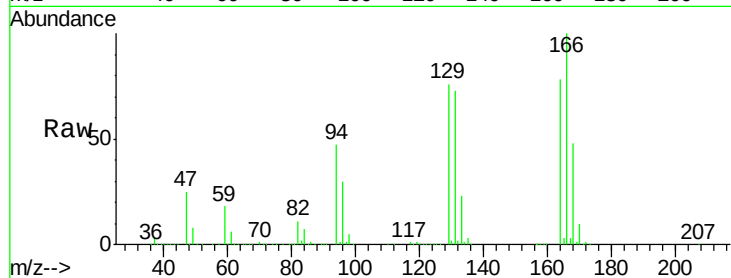
Acq: 12 Apr 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

DB737



Tot Ion:164 Resp: 4958618

Ion Ratio Lower Upper

164 100

129 97.4 67.4 125.2

131 92.9 65.9 122.5

166 127.8 88.6 164.6

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

