

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031115.D
 Acq On : 12 Apr 2019 09:24
 Operator : JC/SP
 Sample : K2341-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 107 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB738

Quant Time: Apr 12 23:52:04 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	514287	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	503480	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155928	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.92%
7) Chloroethane-d5	1.68	69	140164	40.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.46%
11) 1,1-Dichloroethene-d2	2.27	63	228622	27.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.06%#
21) 2-Butanone-d5	4.17	46	324396	89.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.16%
24) Chloroform-d	4.64	84	316787	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.31	65	213100	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
32) Benzene-d6	5.34	84	604362	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
36) 1,2-Dichloropropane-d6	6.33	67	217938	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.54%
41) Toluene-d8	7.56	98	514237	39.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.94%#
43) trans-1,3-Dichloropropene-	7.85	79	87375	38.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.08%
47) 2-Hexanone-d5	8.31	63	187205	81.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309608	45.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	202451	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%

Target Compounds

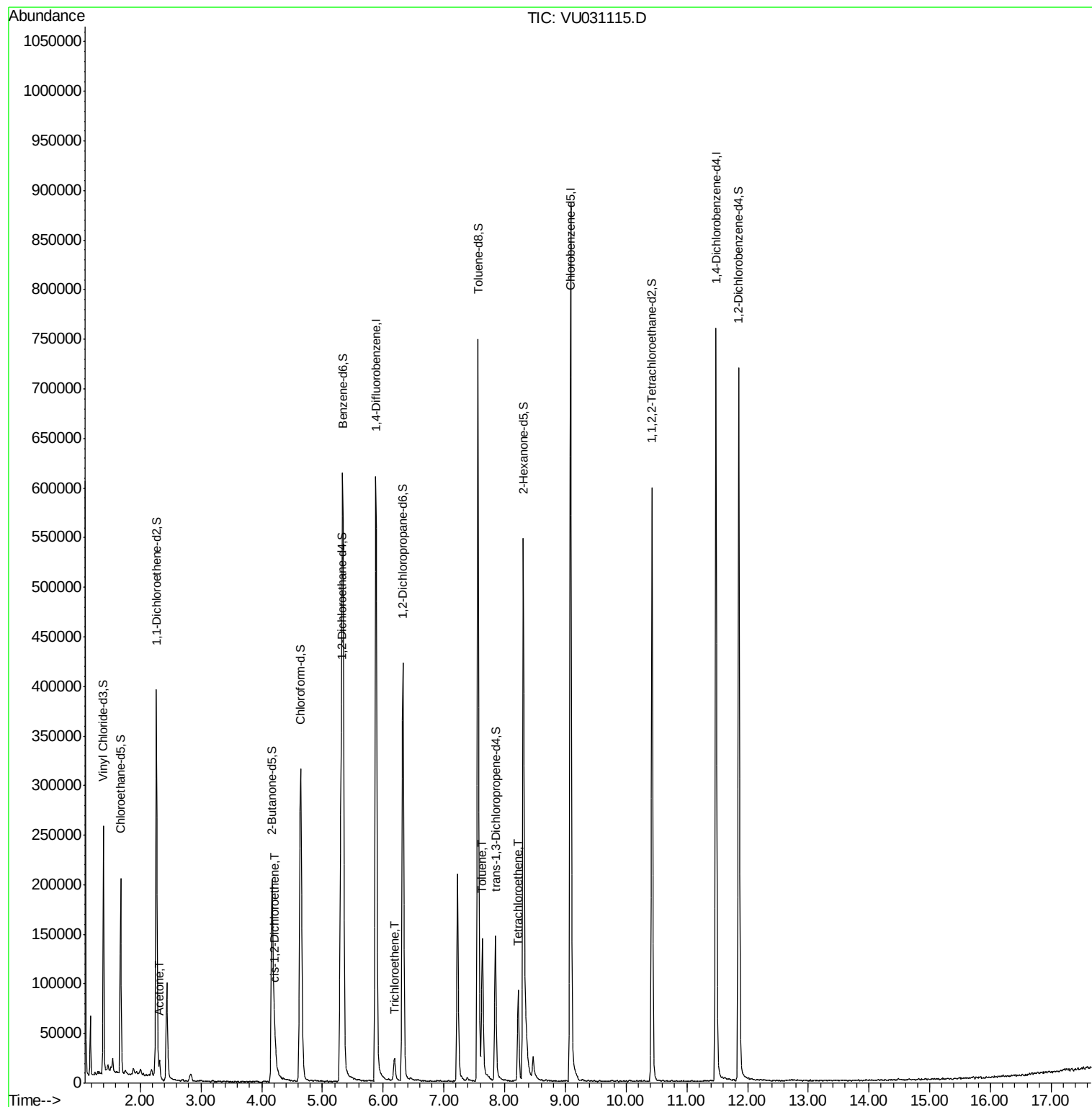
					Ovalue
13) Acetone	2.32	43	19110	5.133	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	10581	2.539	ug/L 87
34) Trichloroethene	6.19	95	7992	1.978	ug/L 87
42) Toluene	7.63	91	103989	6.183	ug/L 99
46) Tetrachloroethene	8.22	164	21374	7.275	ug/L 98

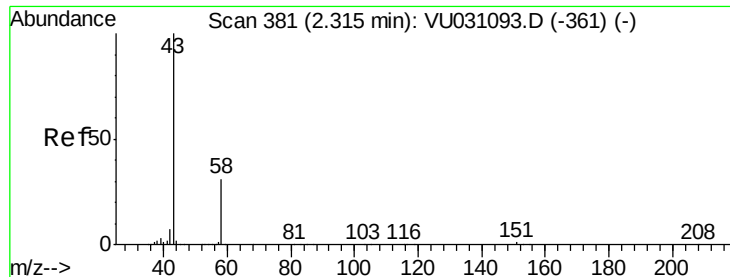
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.133 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampled :

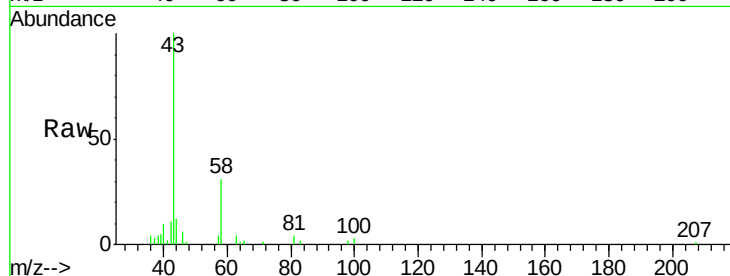
DB738

Tot Ion: 43 Resp: 19110

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031093.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU031093.D (-361) (-)

2.32

12000

10000

8000

6000

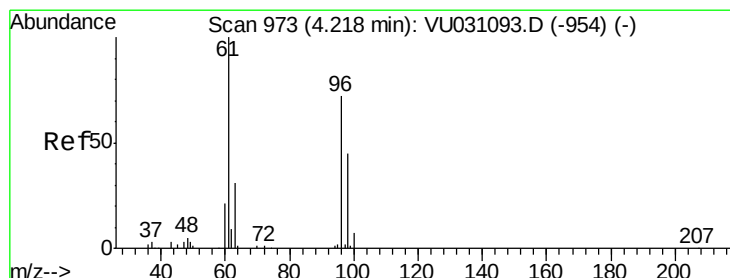
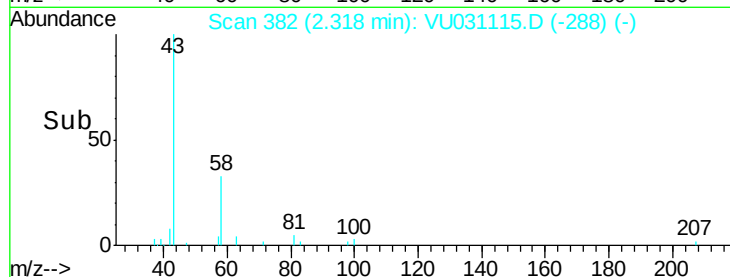
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#20

cis-1,2-Dichloroethene

Concen: 2.539 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

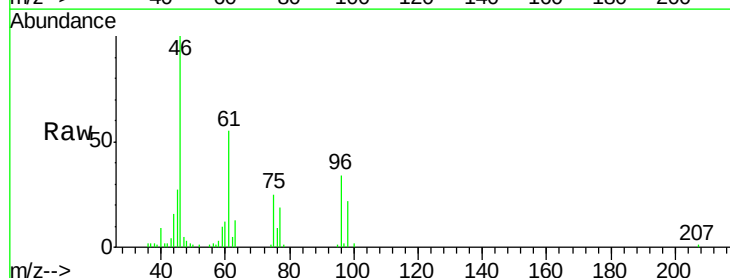
Tgt Ion: 96 Resp: 10581

Ion Ratio Lower Upper

96 100

61 162.8 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031093.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031093.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031093.D (-954) (-)

4.22

8000

6000

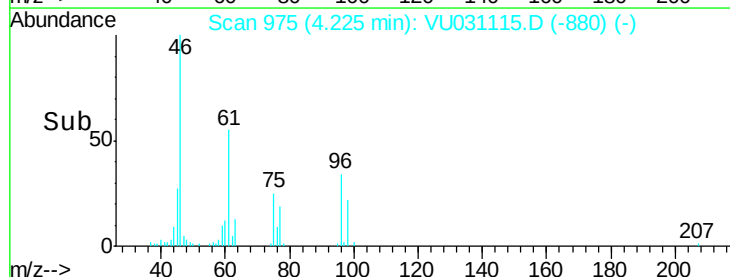
4000

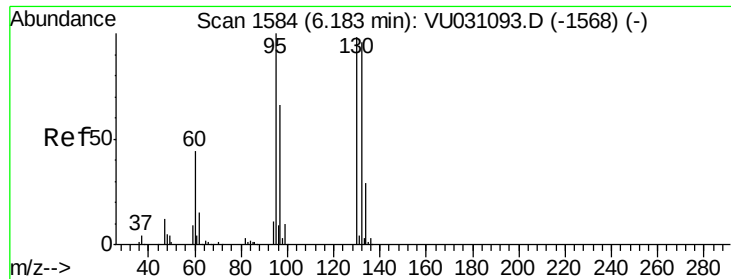
2000

0

Time-->

4.15 4.20 4.25 4.30





#34

Trichloroethene

Concen: 1.978 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

DB738

Tot Ion: 95 Resp: 7992

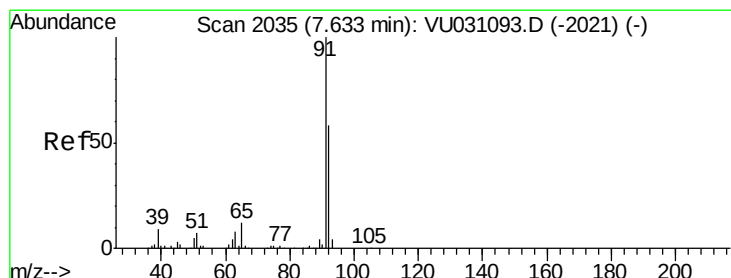
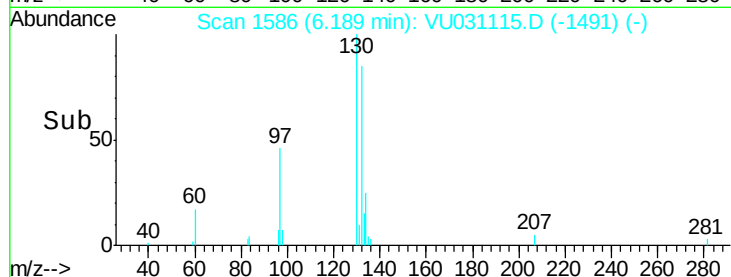
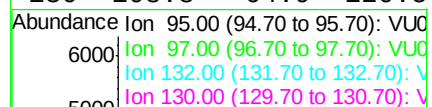
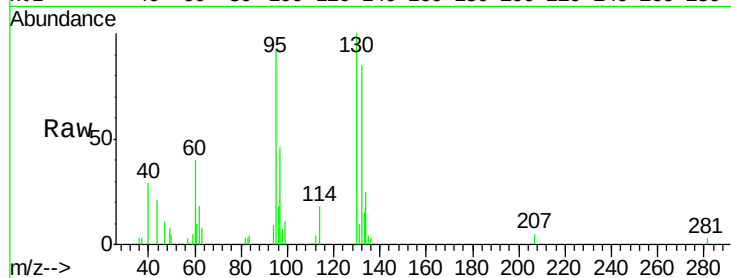
Ion Ratio Lower Upper

95 100

97 50.0 44.5 82.7

132 92.2 61.5 114.1

130 108.8 64.9 120.5



#42

Toluene

Concen: 6.183 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031115.D

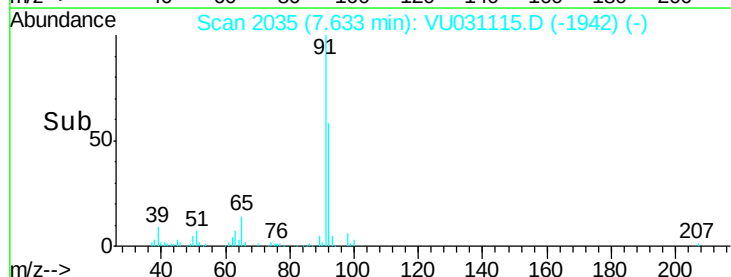
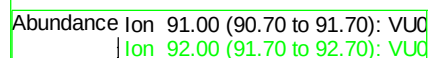
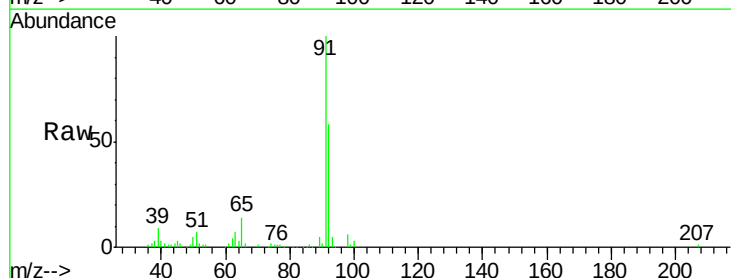
Acq: 12 Apr 2019 09:24

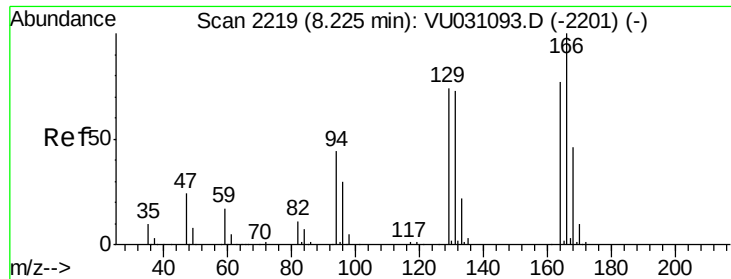
Tgt Ion: 91 Resp: 103989

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.4





#46

Tetrachloroethene

Concen: 7.275 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031115.D

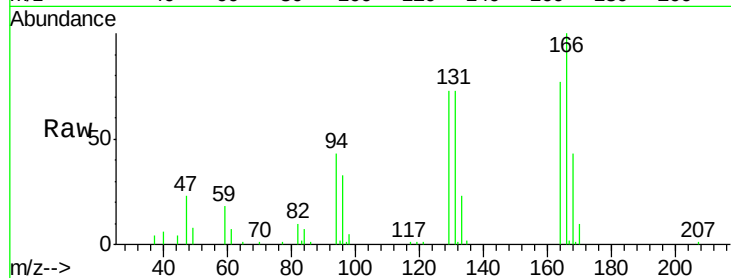
Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

DB738



Tot Ion:164 Resp: 21374

Ion Ratio Lower Upper

164 100

129 95.9 67.4 125.2

131 95.2 65.9 122.5

166 130.5 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

