

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031052.D
 Acq On : 11 Apr 2019 08:26
 Operator : JC/SP
 Sample : K2341-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB715MS

Quant Time: Apr 11 08:58:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 08:09:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	504760	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	213270	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.66%
7) Chloroethane-d5	1.67	69	173146	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.26%
11) 1,1-Dichloroethene-d2	2.27	63	398963	48.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.90%
21) 2-Butanone-d5	4.17	46	392100	109.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	4.64	84	365792	53.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.28%
26) 1,2-Dichloroethane-d4	5.30	65	247521	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
32) Benzene-d6	5.33	84	750146	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.34%
36) 1,2-Dichloropropane-d6	6.32	67	259212	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.24%
41) Toluene-d8	7.56	98	643926	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%
43) trans-1,3-Dichloropropene-	7.85	79	108921	49.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.74%
47) 2-Hexanone-d5	8.31	63	246727	112.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	347054	53.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	222883	54.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.88%

Target Compounds

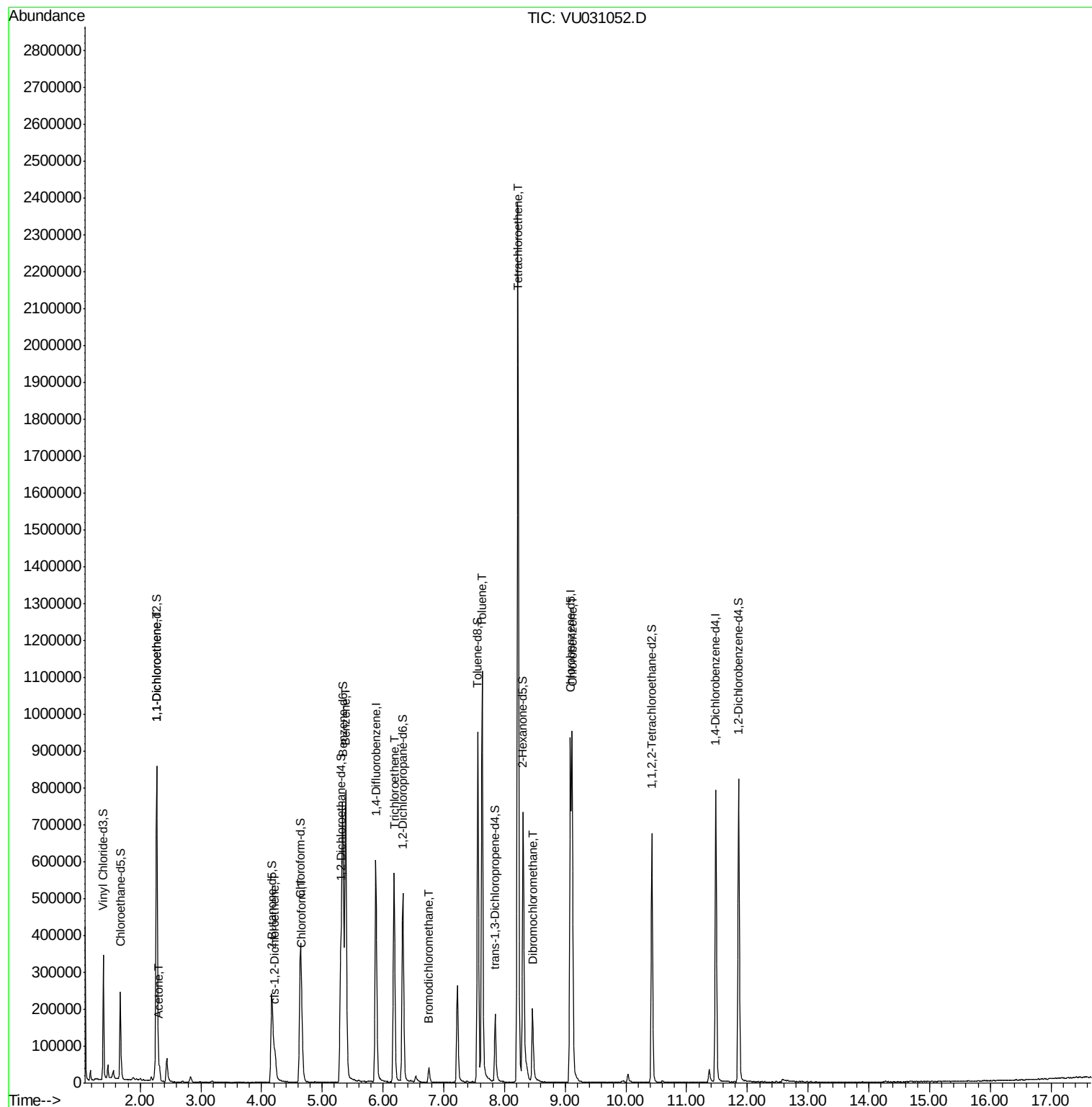
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	155143	44.464	ug/L	# 84
13) Acetone	2.32	43	40679	11.132	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	33470	8.182	ug/L	83
25) Chloroform	4.67	83	76613	9.970	ug/L	98
33) Benzene	5.38	78	773644	49.380	ug/L	100
34) Trichloroethene	6.18	95	207144	53.907	ug/L	97
38) Bromodichloromethane	6.75	83	28385	5.304	ug/L	89
42) Toluene	7.63	91	822187	51.411	ug/L	99
46) Tetrachloroethene	8.22	164	530602	189.927	ug/L	99
49) Dibromochloromethane	8.47	129	11917	2.985	ug/L	93
51) Chlorobenzene	9.12	112	489879	49.944	ug/L	99

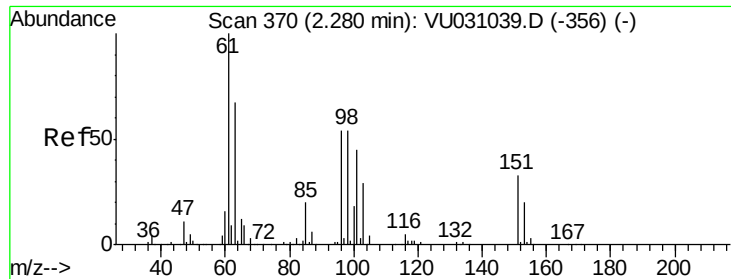
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 44.464 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031052.D

Acq: 11 Apr 2019 08:26

Instrument :

MSVOA_U

ClientSampleId :

DB715MS

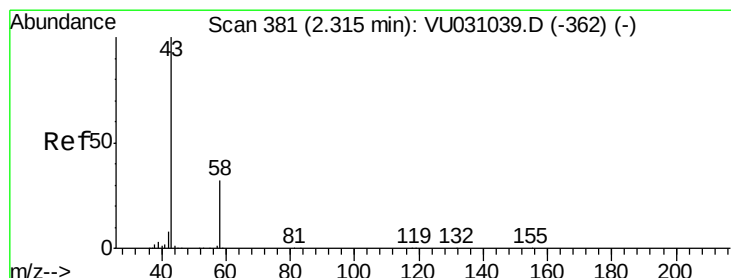
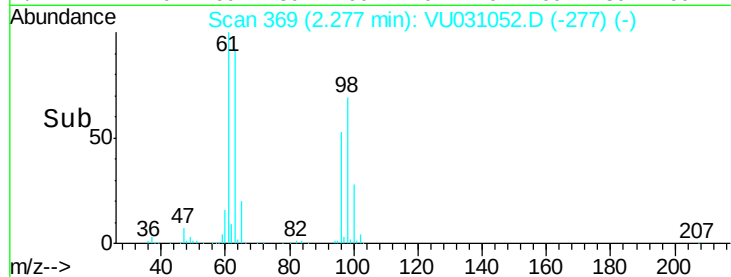
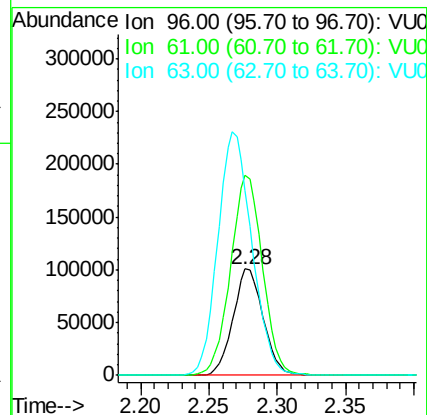
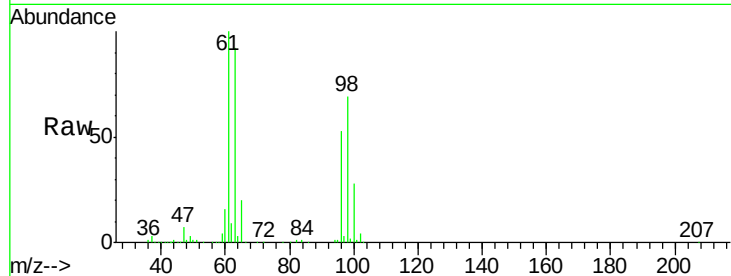
Tot Ion: 96 Resp: 155143

Ion Ratio Lower Upper

96 100

61 189.1 132.0 245.2

63 173.9 90.9 168.9#



#13

Acetone

Concen: 11.132 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031052.D

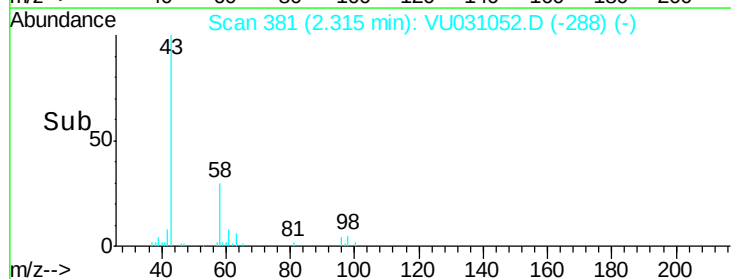
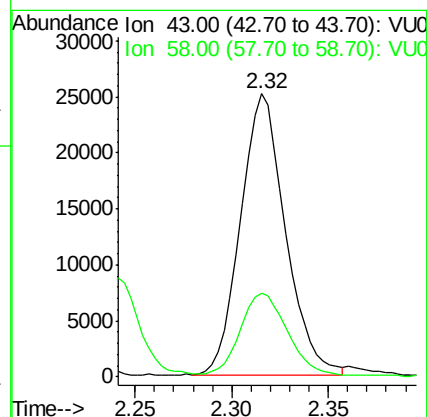
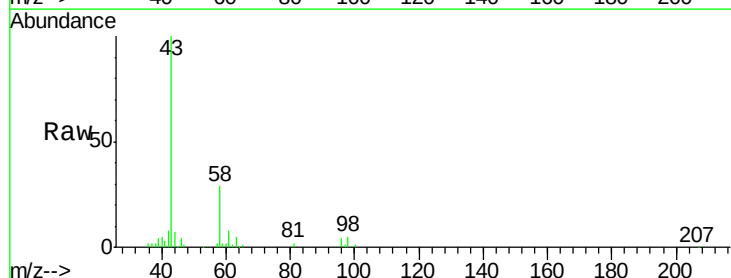
Acq: 11 Apr 2019 08:26

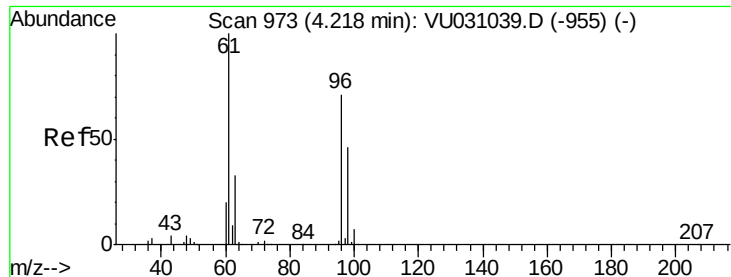
Tgt Ion: 43 Resp: 40679

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0

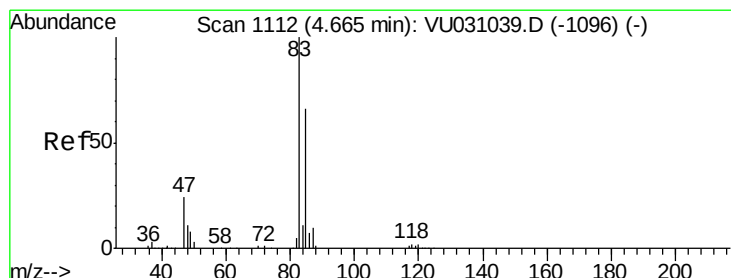
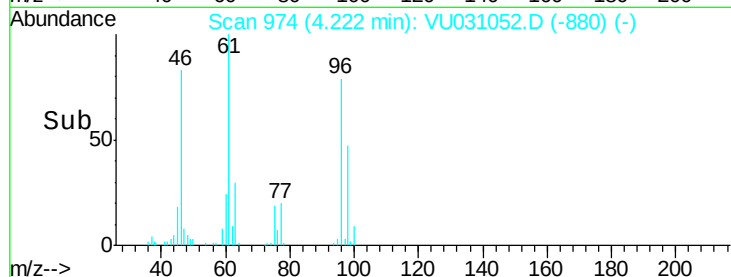
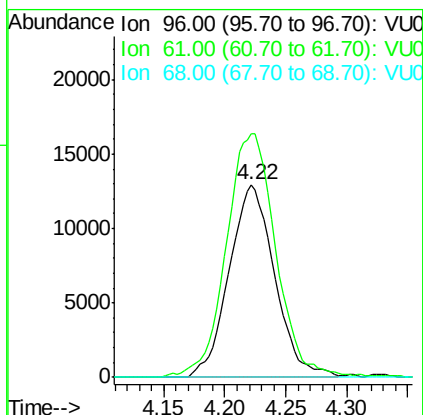
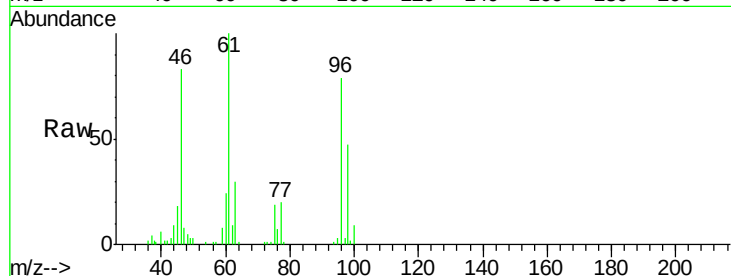




#20
 cis-1,2-Dichloroethene
 Concen: 8.182 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031052.D
 Acq: 11 Apr 2019 08:26

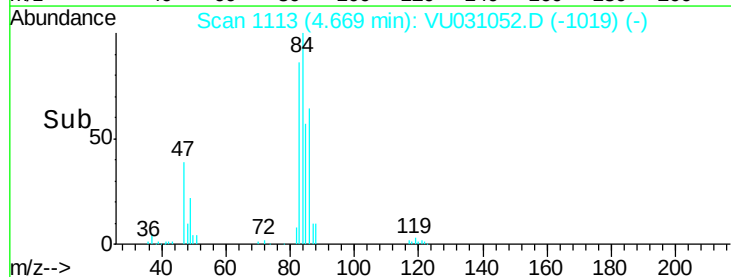
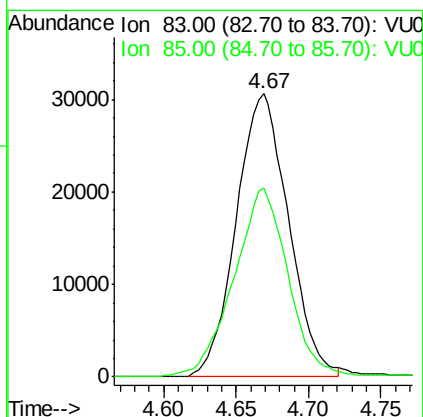
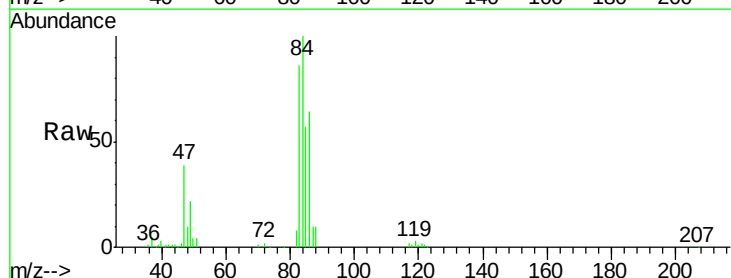
Instrument :
 MSVOA_U
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 DB715MS

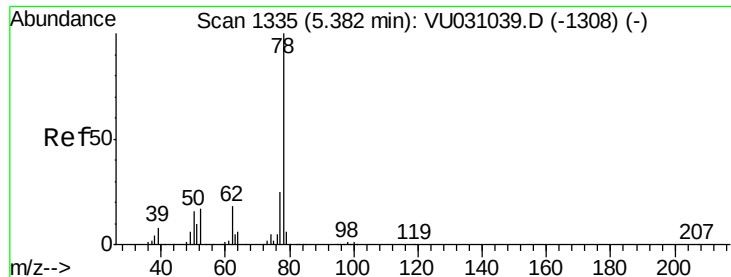
Tot Ion: 96 Resp: 33470
 Ion Ratio Lower Upper
 96 100
 61 126.3 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 9.970 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031052.D
 Acq: 11 Apr 2019 08:26

Tgt Ion: 83 Resp: 76613
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.8 85.0

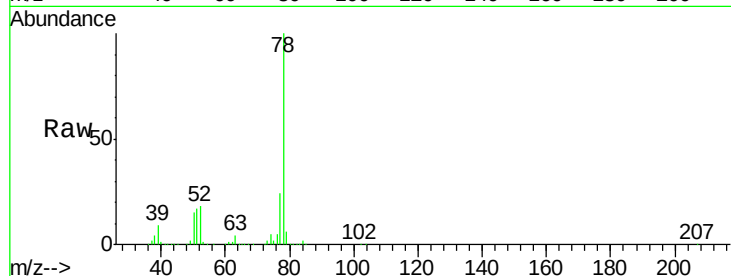




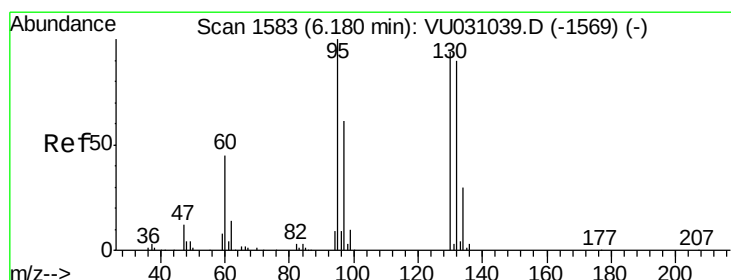
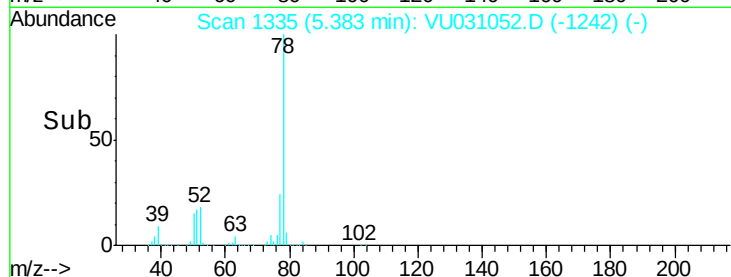
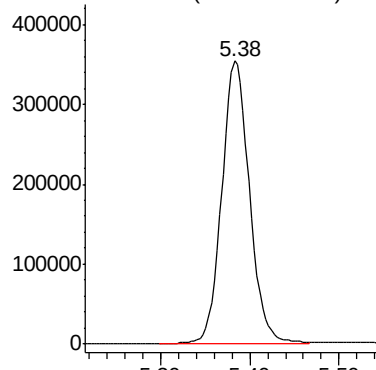
#33
Benzene
Concen: 49.380 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031052.D
Acq: 11 Apr 2019 08:26

Tgt Ion: 78 Resp: 773644

Instrument :
MSVOA_U
ClientSampleId :
DB715MS



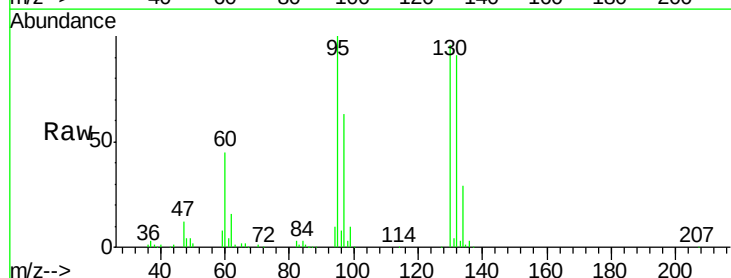
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 53.907 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU031052.D
Acq: 11 Apr 2019 08:26

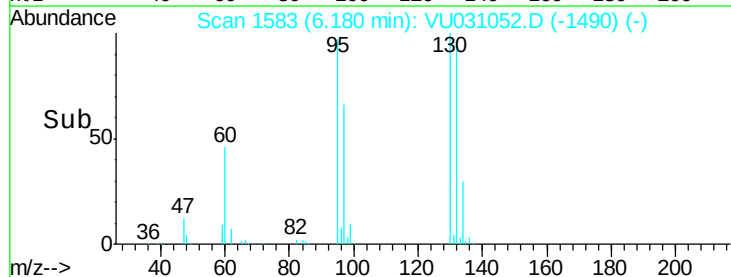
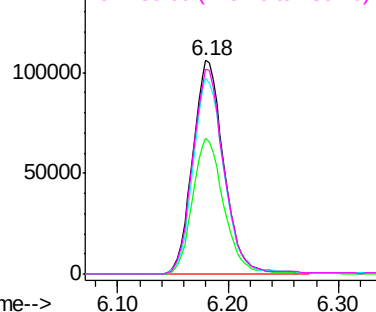
Tgt Ion: 95 Resp: 207144

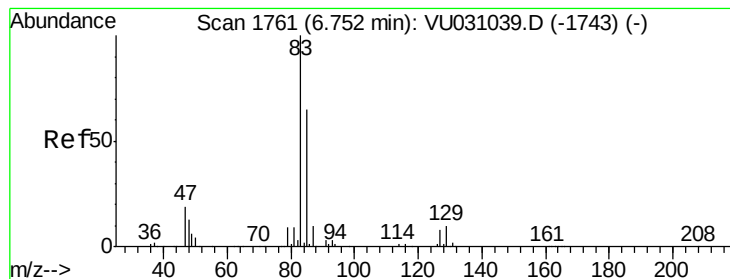
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.5	82.7
132	91.5	61.5	114.1
130	95.7	64.9	120.5



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: 5.304 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031052.D

Acq: 11 Apr 2019 08:26

Instrument :

MSVOA_U

ClientSampleId :

DB715MS

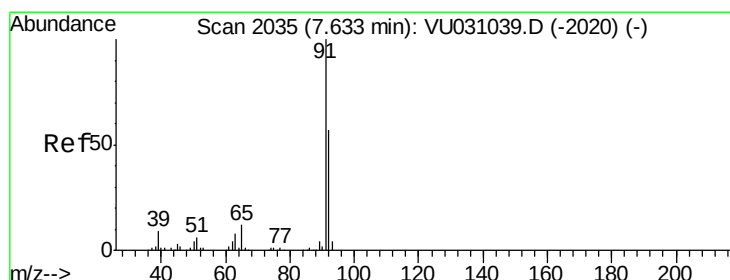
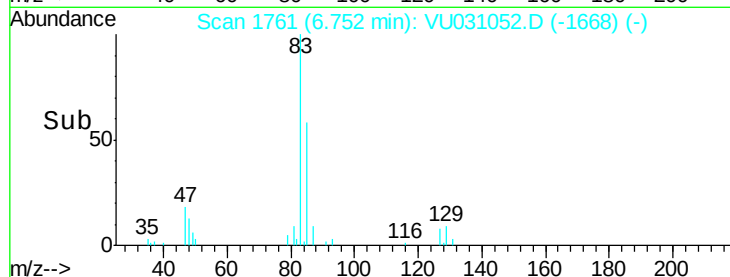
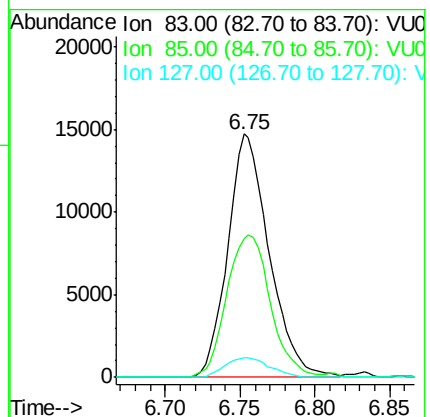
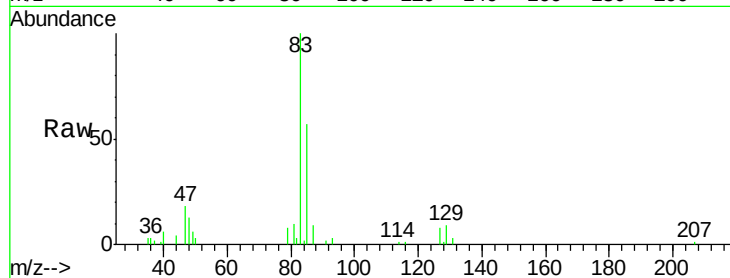
Tot Ion: 83 Resp: 28385

Ion Ratio Lower Upper

83 100

85 56.9 46.5 86.3

127 8.3 6.6 10.0



#42

Toluene

Concen: 51.411 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031052.D

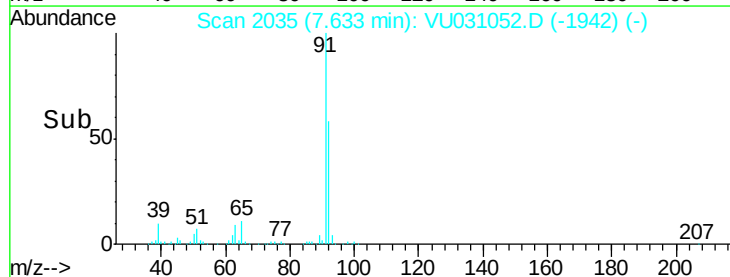
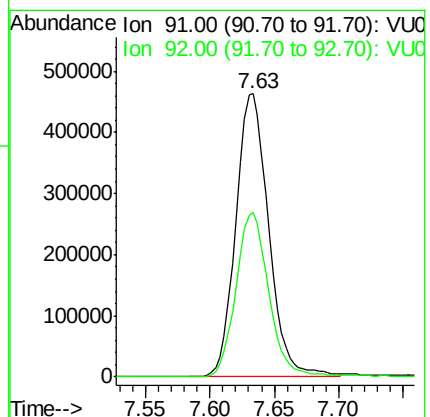
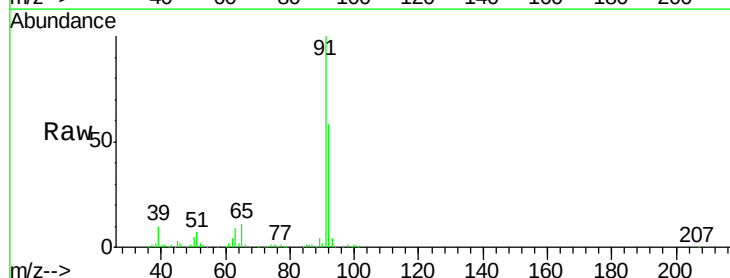
Acq: 11 Apr 2019 08:26

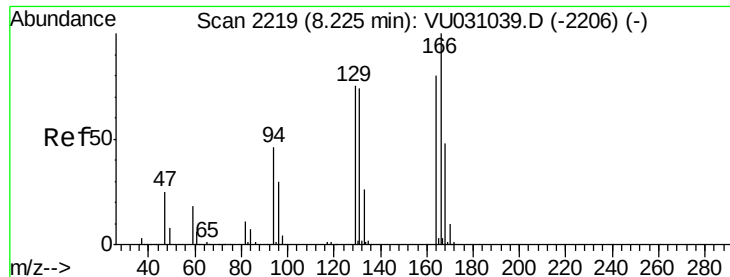
Tgt Ion: 91 Resp: 822187

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.4





#46

Tetrachloroethene

Concen: 189.927 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031052.D

Acq: 11 Apr 2019 08:26

Instrument :

MSVOA_U

ClientSampleId :

DB715MS

Tot Ion:164 Resp: 530602

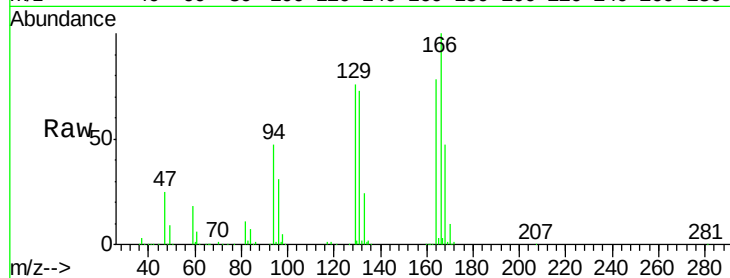
Ion Ratio Lower Upper

164 100

129 96.9 67.4 125.2

131 93.6 65.9 122.5

166 128.3 88.6 164.6

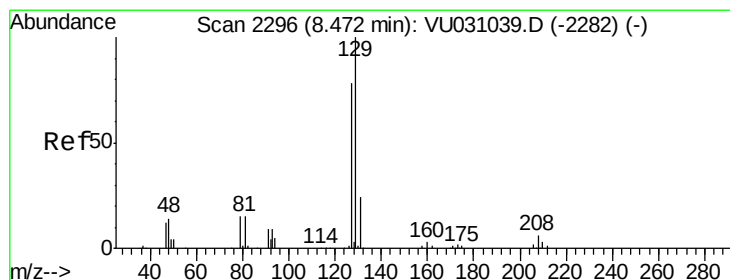
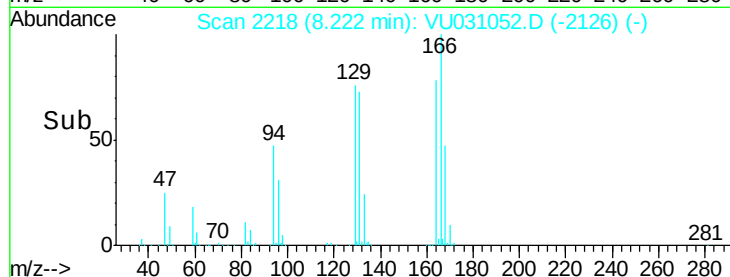
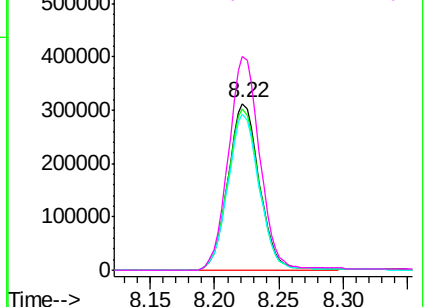


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 2.985 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031052.D

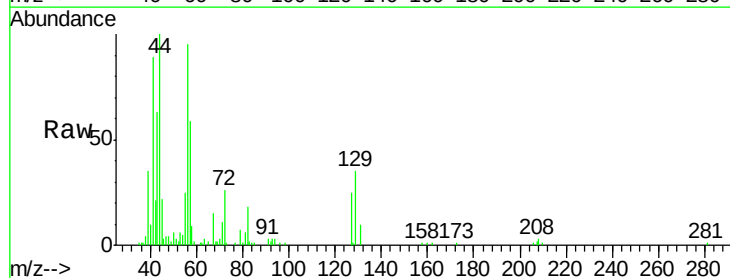
Acq: 11 Apr 2019 08:26

Tgt Ion:129 Resp: 11917

Ion Ratio Lower Upper

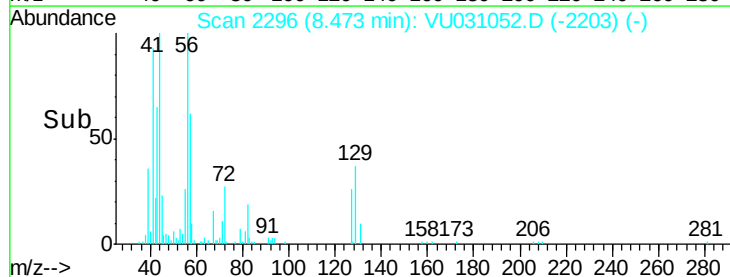
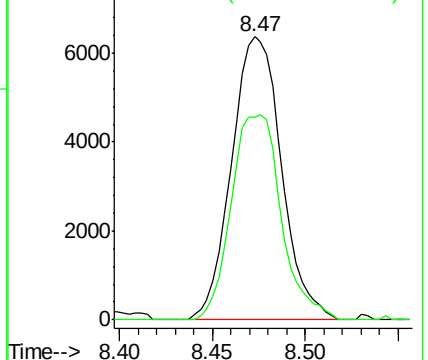
129 100

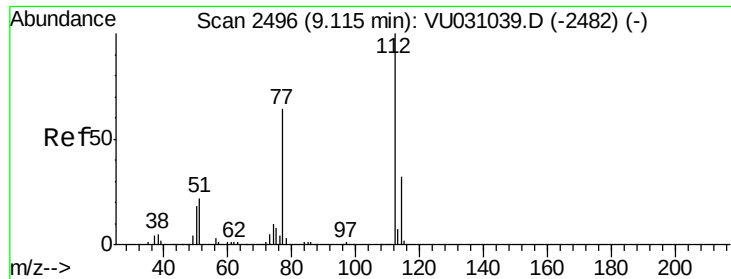
127 71.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

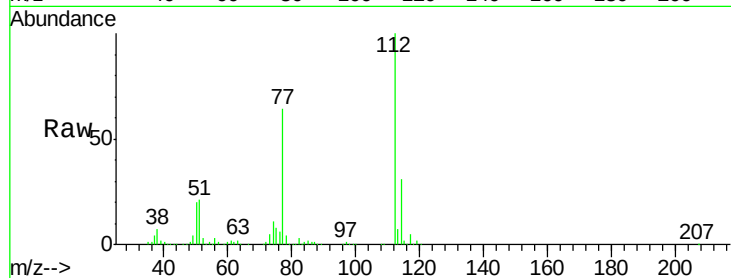




#51
 Chlorobenzene
 Concen: 49.944 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031052.D
 Acq: 11 Apr 2019 08:26

Instrument :
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 ClientSampleId :
 DB715MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.2	41.2
77	64.1	51.7	77.5



Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V

