

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031169.D
 Acq On : 13 Apr 2019 20:08
 Operator : JC/SP
 Sample : K2341-14 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB736

Quant Time: Apr 13 22:32:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	467648	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	473331	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	189715	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	184286	44.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.30%
7) Chloroethane-d5	1.68	69	147469	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.08%
11) 1,1-Dichloroethene-d2	2.26	63	247775	32.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.64%
21) 2-Butanone-d5	4.17	46	304790	92.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	4.64	84	305872	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
26) 1,2-Dichloroethane-d4	5.30	65	205505	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.34	84	604759	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.32	67	218617	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.34%
41) Toluene-d8	7.56	98	546703	44.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.28%
43) trans-1,3-Dichloropropene-	7.85	79	89355	41.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.76%
47) 2-Hexanone-d5	8.31	63	189178	87.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305141	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	192998	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%

Target Compounds

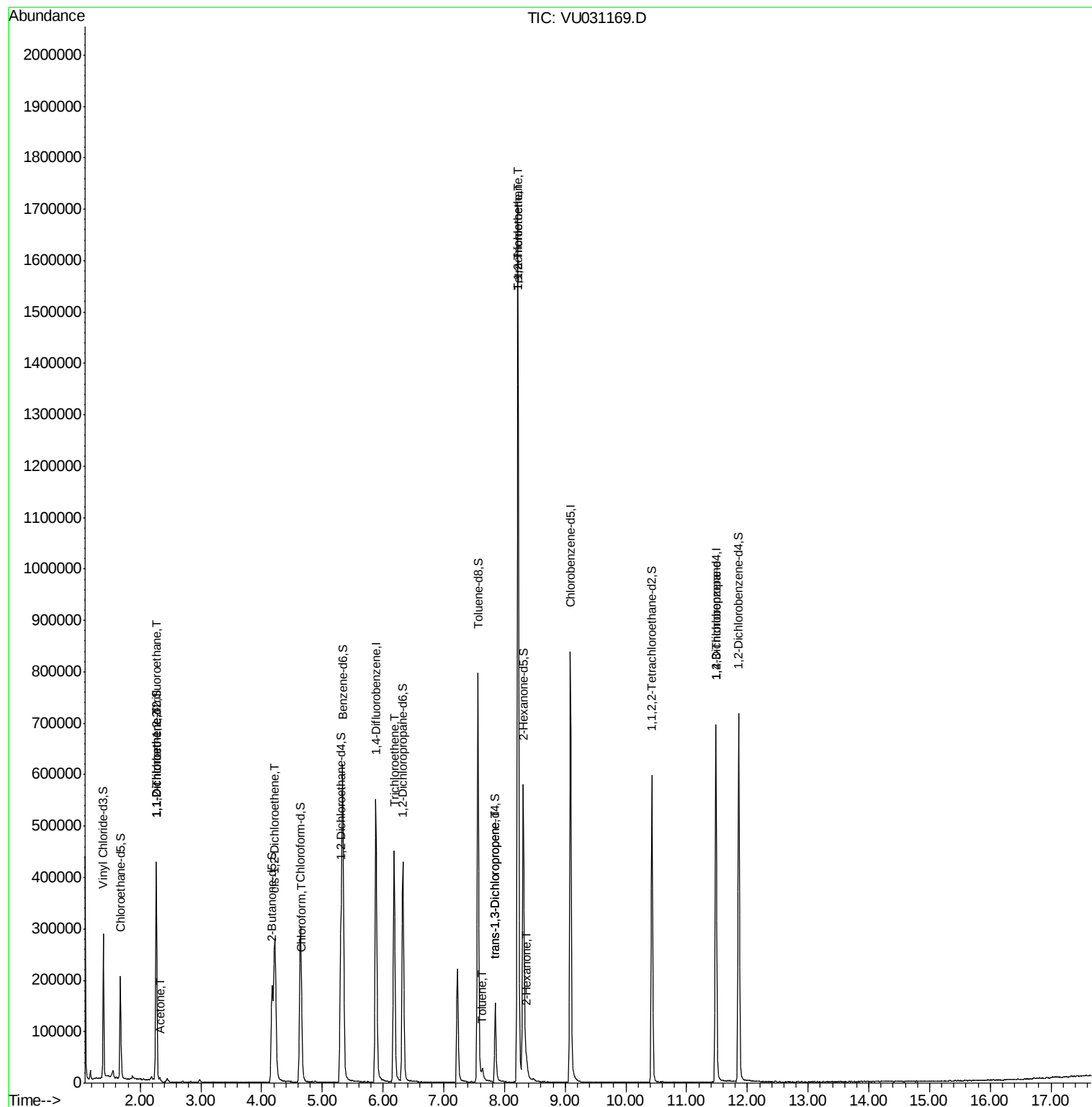
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2010	0.600	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	2377	0.735	ug/L #	1
13) Acetone	2.32	43	3704	1.094	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	148249	39.117	ug/L	89
25) Chloroform	4.67	83	13273	1.864	ug/L	93
34) Trichloroethene	6.18	95	162821	42.858	ug/L	96
42) Toluene	7.64	91	14559	0.921	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3702	0.673	ug/L #	27
45) 1,1,2-Trichloroethane	8.22	97	3467	0.932	ug/L #	1
46) Tetrachloroethene	8.22	164	393126	142.332	ug/L	98
48) 2-Hexanone	8.36	43	15261	2.773	ug/L #	41
59) 1,2,3-Trichloropropane	11.48	75	22933	4.366	ug/L	89

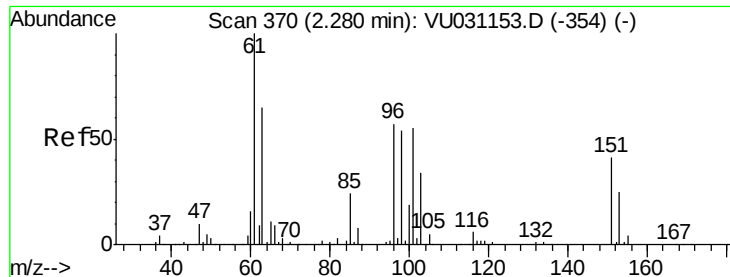
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.600 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.02 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

DB736

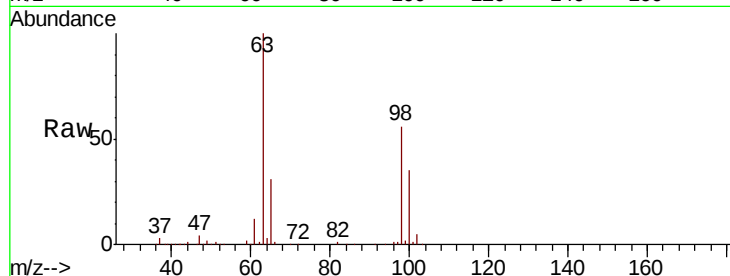
Tot Ion:101 Resp: 2010

Ion Ratio Lower Upper

101 100

85 2.3 36.8 55.2#

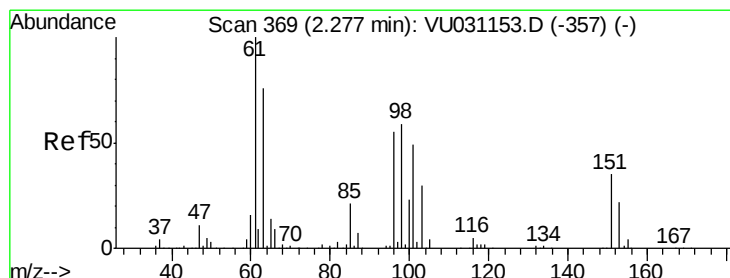
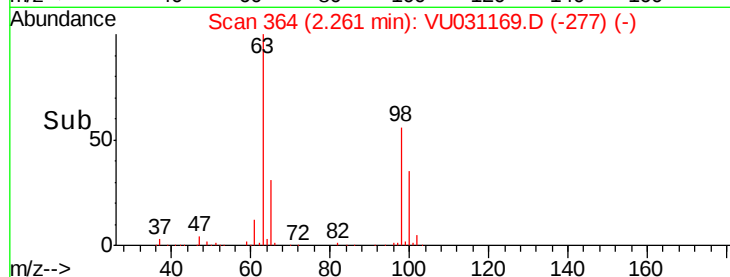
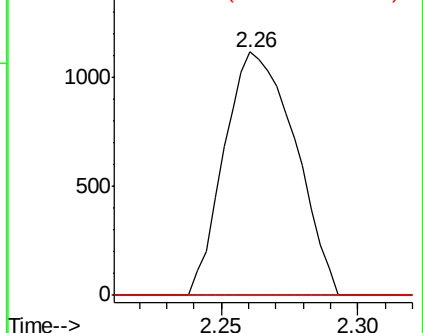
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.735 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

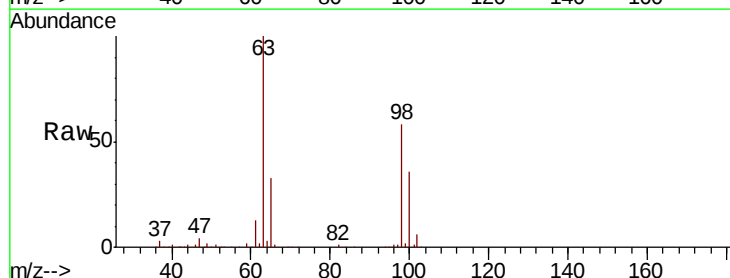
Tgt Ion: 96 Resp: 2377

Ion Ratio Lower Upper

96 100

61 1125.3 132.0 245.2#

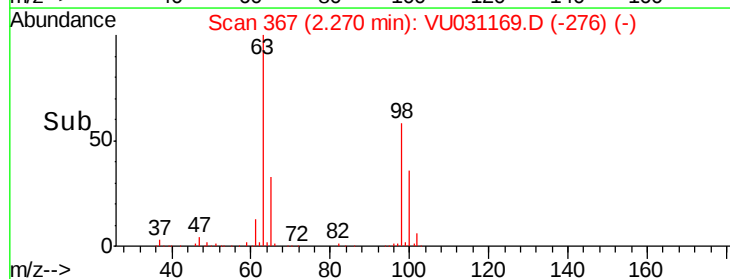
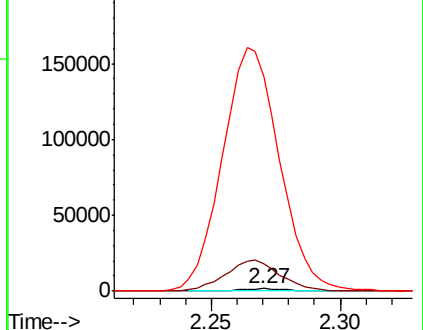
63 8861.8 90.9 168.9#

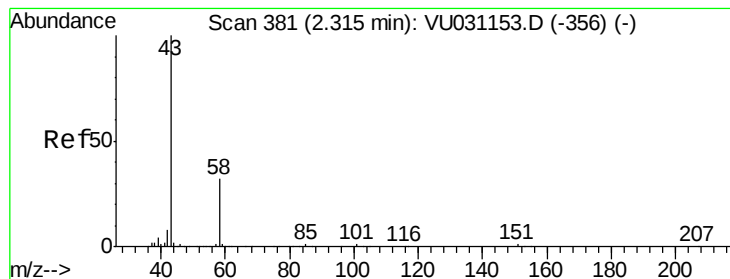


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.094 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

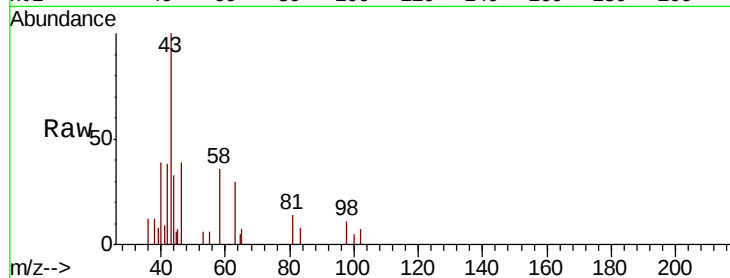
DB736

Tot Ion: 43 Resp: 3704

Ion Ratio Lower Upper

43 100

58 35.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031153.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031153.D (-356) (-)

2500

2000

1500

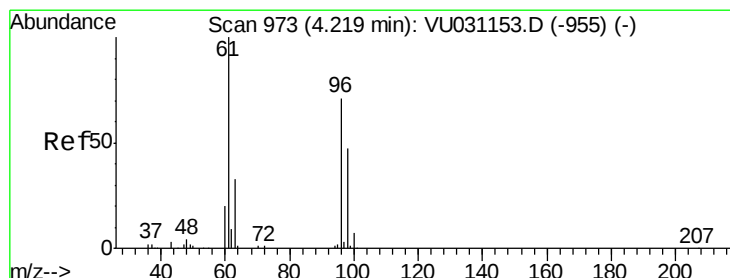
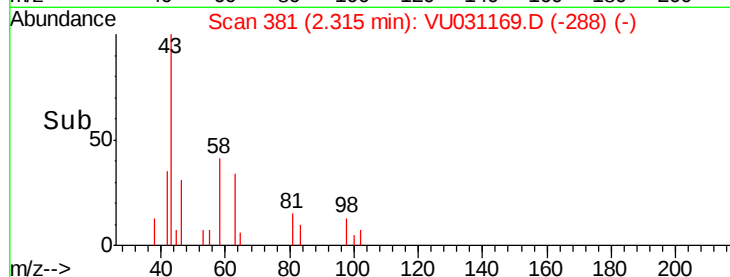
1000

500

0

2.30 2.32 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 39.117 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

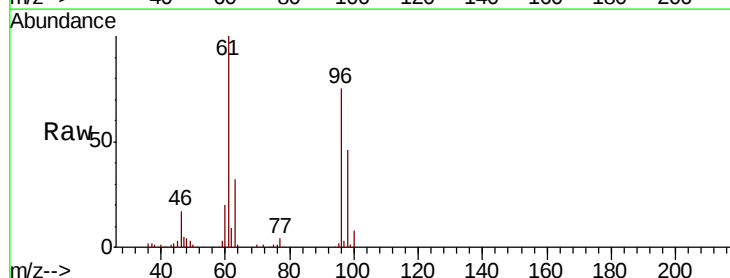
Tgt Ion: 96 Resp: 148249

Ion Ratio Lower Upper

96 100

61 133.3 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031153.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031153.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031153.D (-955) (-)

100000

80000

60000

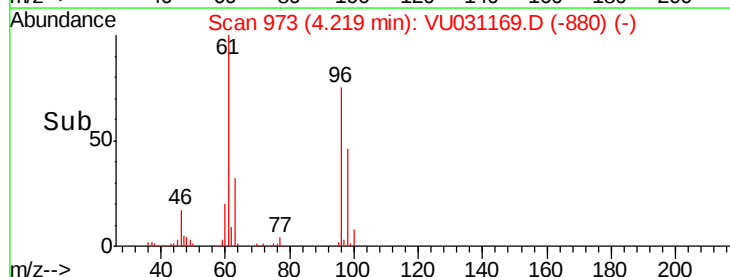
40000

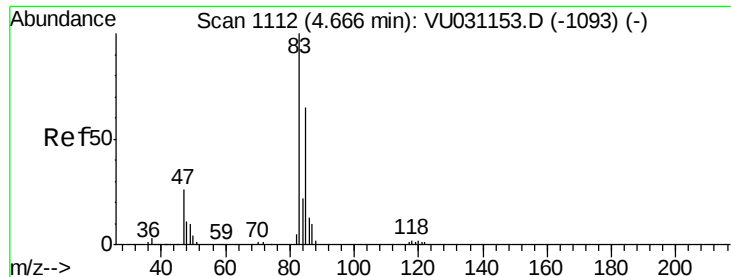
20000

0

4.10 4.15 4.20 4.22 4.25 4.30

Time-->

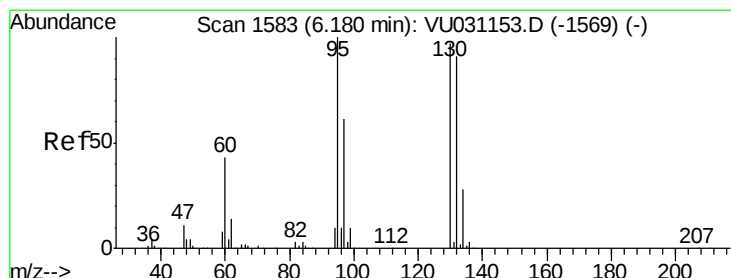
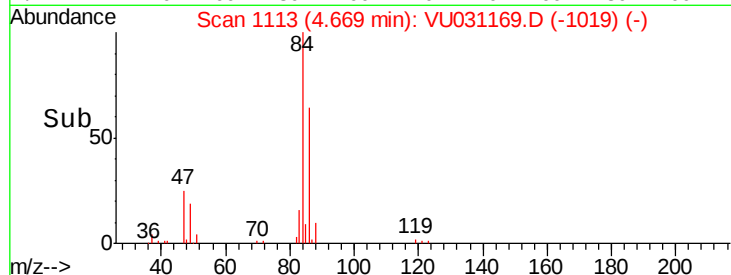
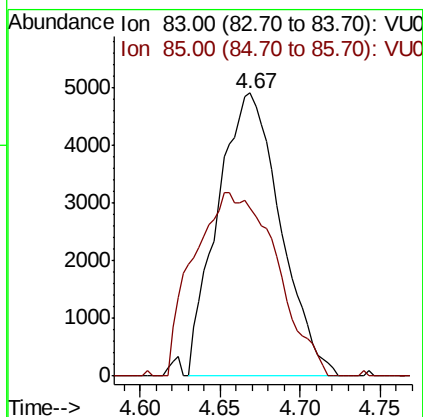
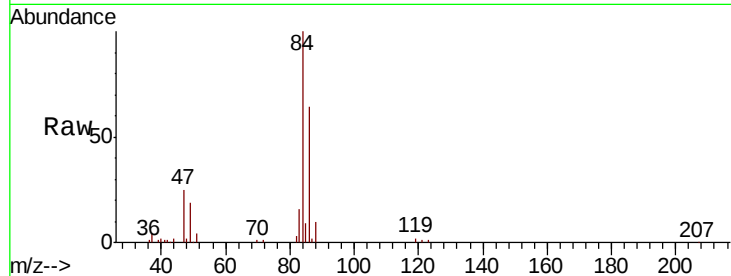




#25
Chloroform
Concen: 1.864 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031169.D
Acq: 13 Apr 2019 20:08

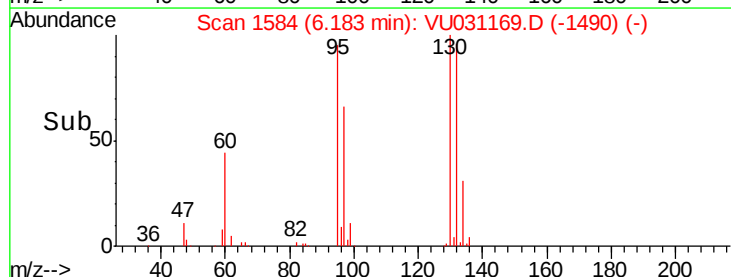
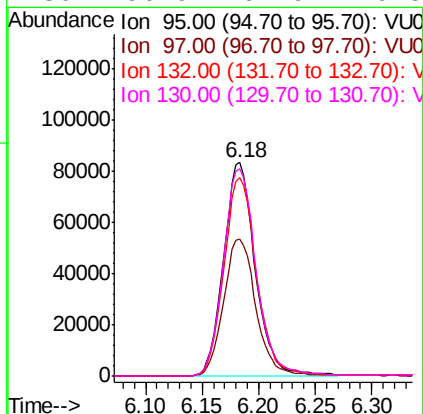
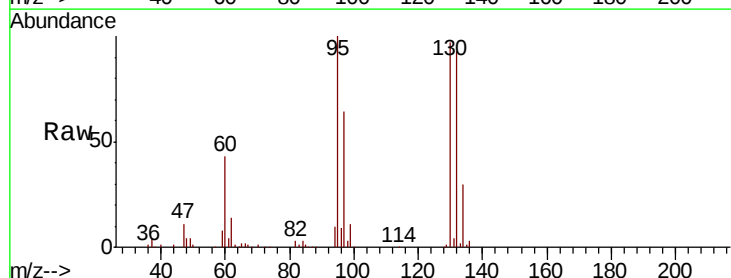
Instrument :
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ClientSampled :
DB736

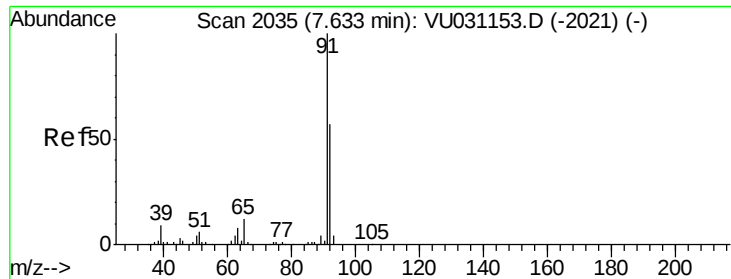
Tot Ion: 83 Resp: 13273
Ion Ratio Lower Upper
83 100
85 59.6 45.8 85.0



#34
Trichloroethene
Concen: 42.858 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031169.D
Acq: 13 Apr 2019 20:08

Tgt Ion: 95 Resp: 162821
Ion Ratio Lower Upper
95 100
97 63.9 44.5 82.7
132 93.0 61.5 114.1
130 96.9 64.9 120.5





#42

Toluene

Concen: 0.921 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

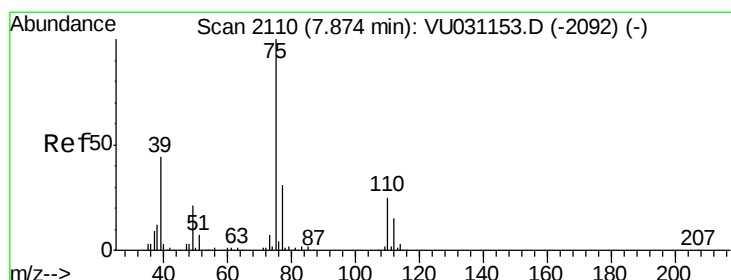
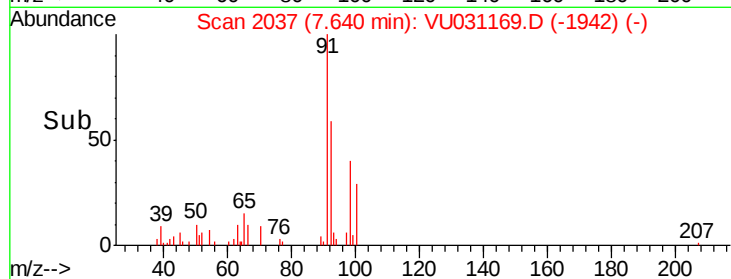
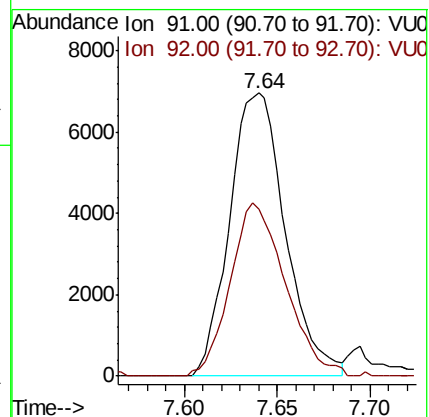
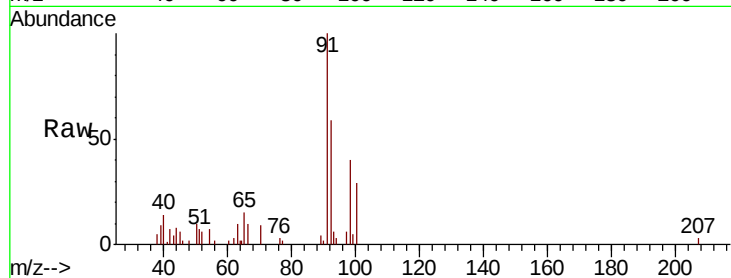
DB736

Tot Ion: 91 Resp: 14559

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.673 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031169.D

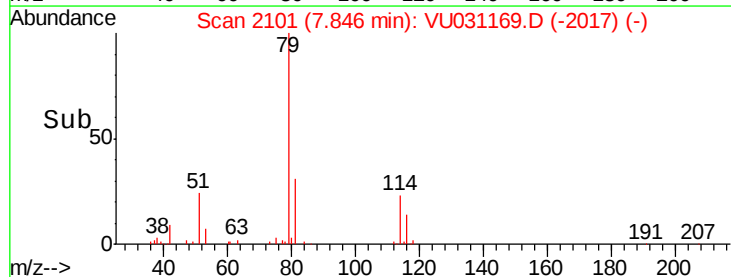
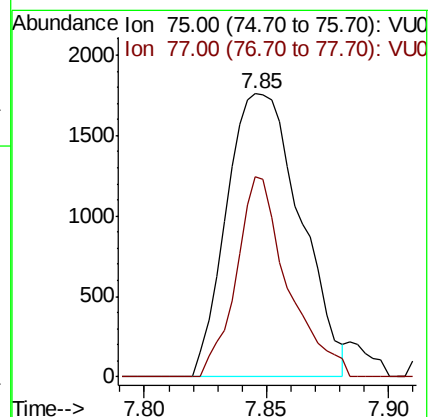
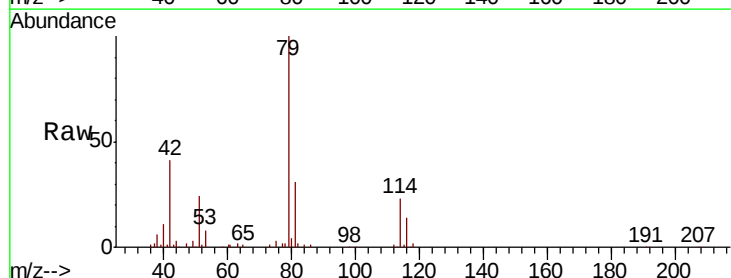
Acq: 13 Apr 2019 20:08

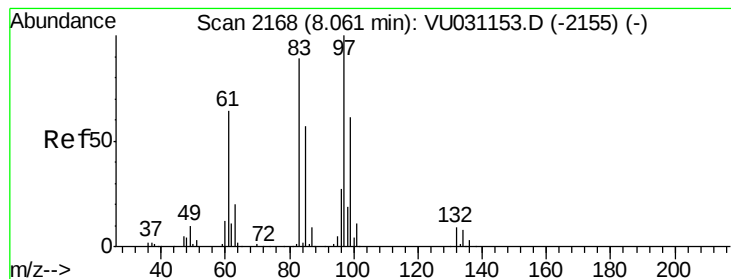
Tgt Ion: 75 Resp: 3702

Ion Ratio Lower Upper

75 100

77 70.6 21.6 40.0#





#45

1,1,2-Trichloroethane

Concen: 0.932 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

DB736

Tot Ion: 97 Resp: 3467

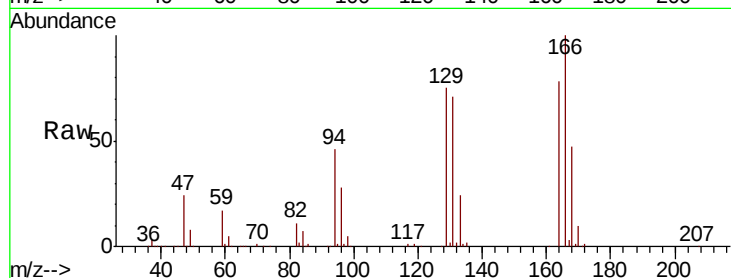
Ion Ratio Lower Upper

97 100

99 9.7 44.0 81.8#

83 279.7 65.3 121.3#

85 29.5 42.5 78.9#



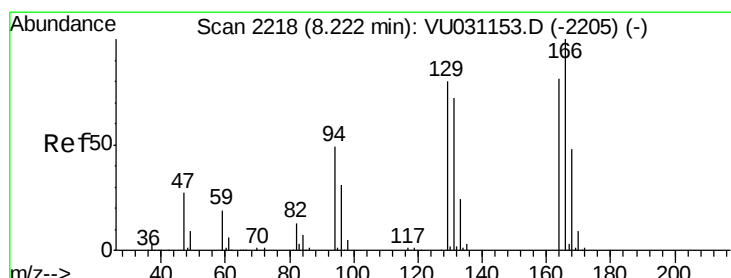
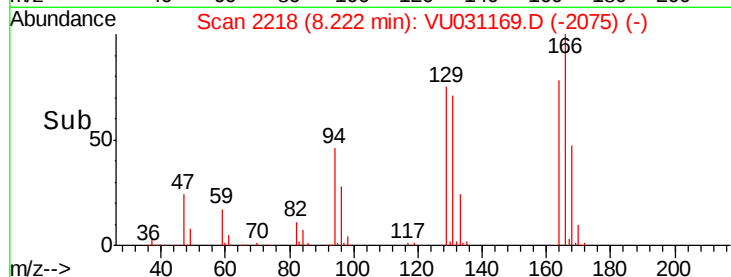
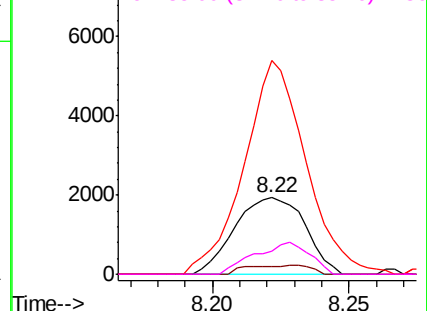
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 142.332 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031169.D

Acq: 13 Apr 2019 20:08

Tgt Ion: 164 Resp: 393126

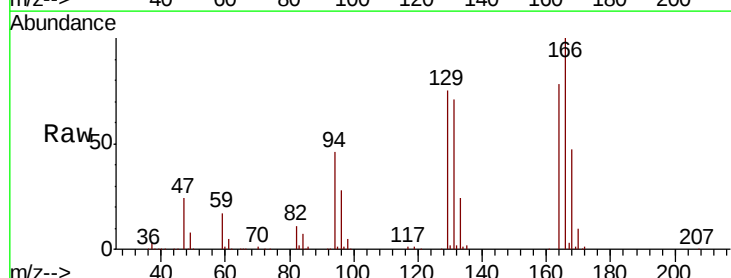
Ion Ratio Lower Upper

164 100

129 95.1 67.4 125.2

131 90.1 65.9 122.5

166 127.4 88.6 164.6



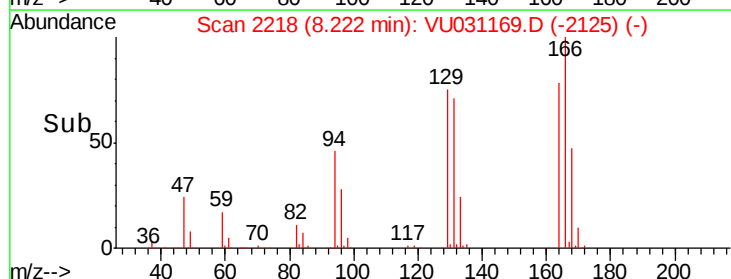
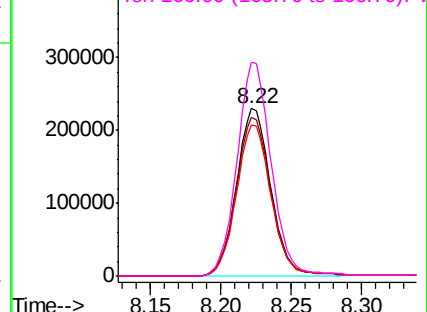
Abundance

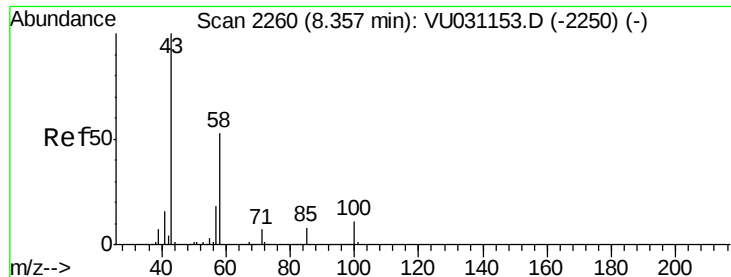
Ion 164.00 (163.70 to 164.70): V

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

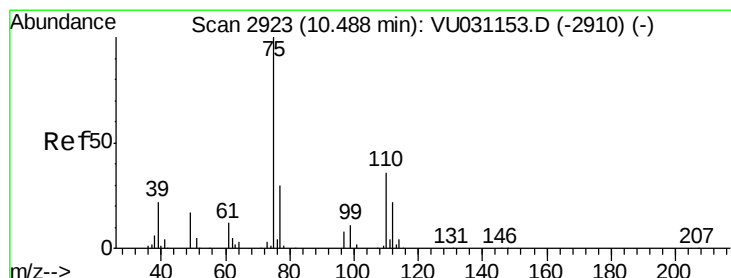
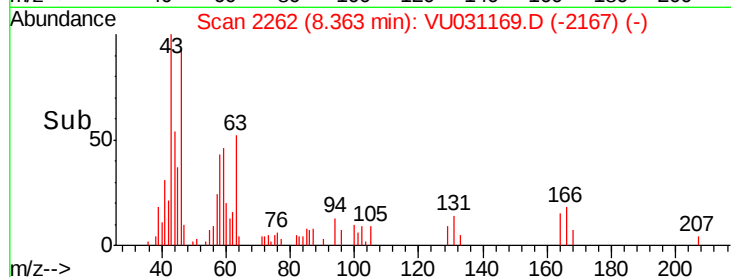
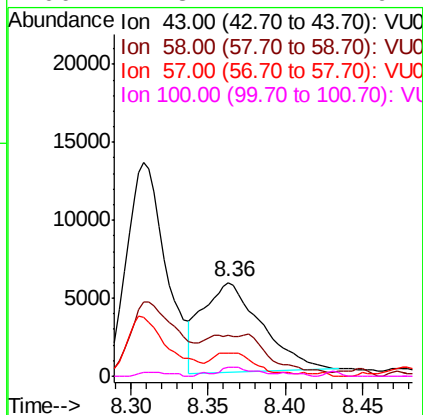
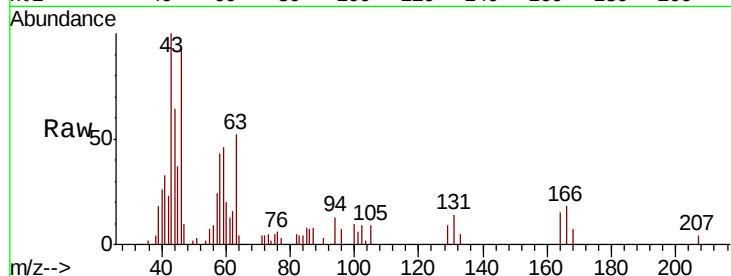




#48
 2-Hexanone
 Concen: 2.773 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VU031169.D
 Acq: 13 Apr 2019 20:08

Instrument :
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Tot Ion:	43	Resp:	15261
Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.9	62.9#
57	2.9	14.3	21.5#
100	2.3	7.1	10.7#



#59
 1,2,3-Trichloropropane
 Concen: 4.366 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU031169.D
 Acq: 13 Apr 2019 20:08

Tgt Ion:	75	Resp:	22933
Ion	Ratio	Lower	Upper
75	100		
77	38.9	26.1	39.1

