

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031056.D
 Acq On : 11 Apr 2019 09:57
 Operator : JC/SP
 Sample : K2299-23
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z9

Quant Time: Apr 12 03:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	477015	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479232	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207053	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	219587	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.14%
7) Chloroethane-d5	1.68	69	178013	55.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.16%
11) 1,1-Dichloroethene-d2	2.27	63	292521	37.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.96%
21) 2-Butanone-d5	4.17	46	357583	105.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.95%
24) Chloroform-d	4.64	84	351034	53.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.94%
26) 1,2-Dichloroethane-d4	5.31	65	245083	55.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.44%
32) Benzene-d6	5.33	84	734873	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
36) 1,2-Dichloropropane-d6	6.32	67	249439	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.06%
41) Toluene-d8	7.56	98	635570	51.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.50%
43) trans-1,3-Dichloropropene-	7.85	79	100716	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.31	63	213643	97.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	338667	52.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	232676	57.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.28%

Target Compounds

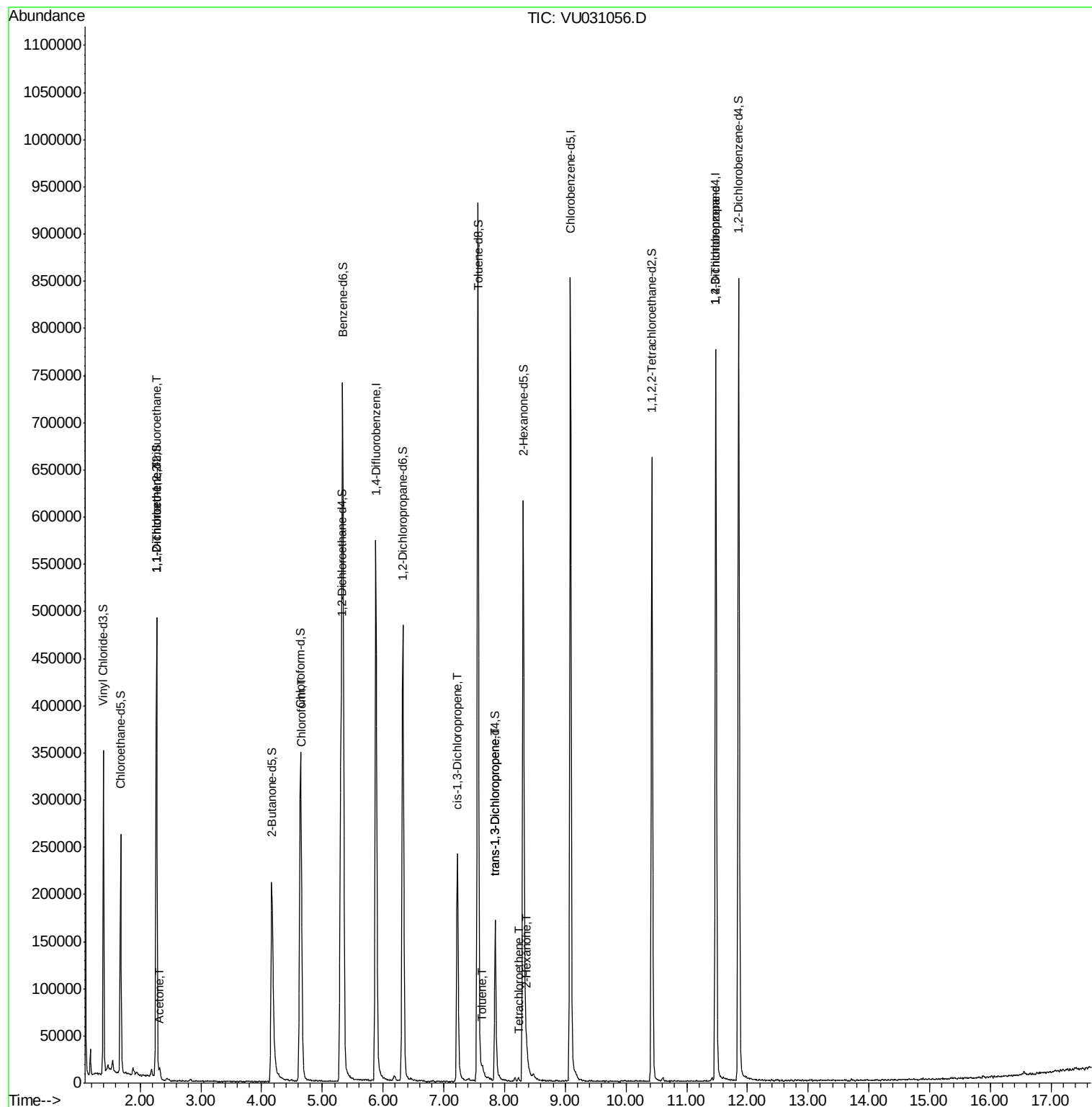
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2406	0.704	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2412	0.731	ug/L #	1
13) Acetone	2.32	43	12002	3.475	ug/L	69
25) Chloroform	4.66	83	18117	2.495	ug/L	91
39) cis-1,3-Dichloropropene	7.23	75	5998	0.949	ug/L #	80
42) Toluene	7.64	91	6784	0.424	ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	3795	0.681	ug/L	97
46) Tetrachloroethene	8.23	164	1177	0.421	ug/L #	72
48) 2-Hexanone	8.37	43	13030	2.339	ug/L #	45
59) 1,2,3-Trichloropropane	11.48	75	24403	4.588	ug/L	89

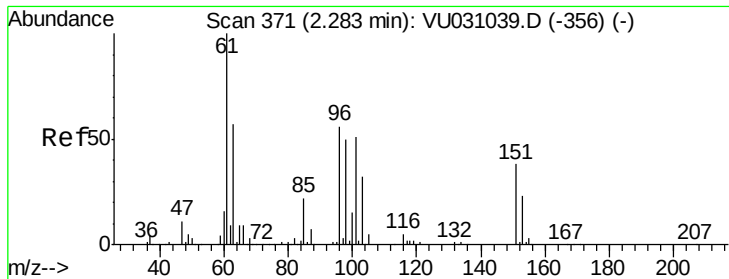
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 03:03:54 2019
Response via : Initial Calibration





#10

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

Concen: 0.704 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

DB6Z9

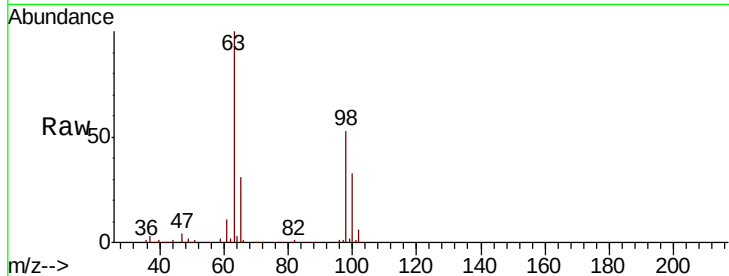
Tot Ion:101 Resp: 2406

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

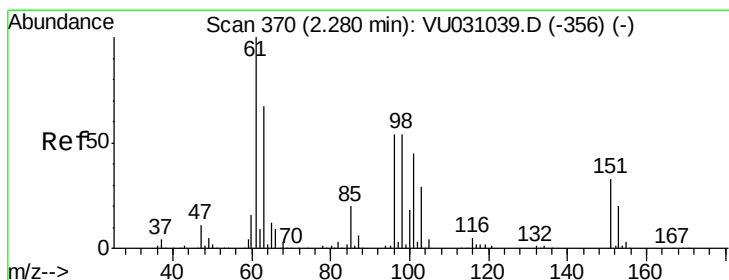
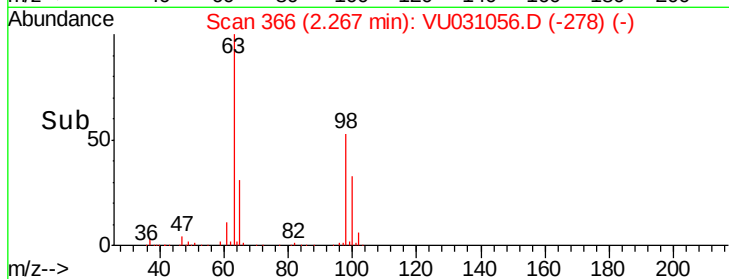
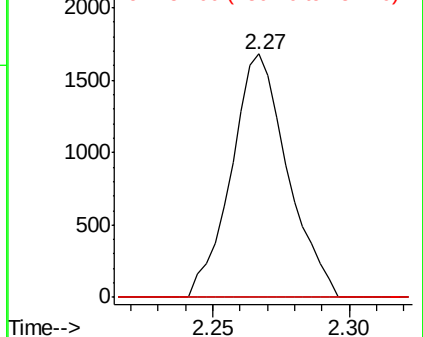
151 0.0 57.4 86.0#



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: 0.731 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

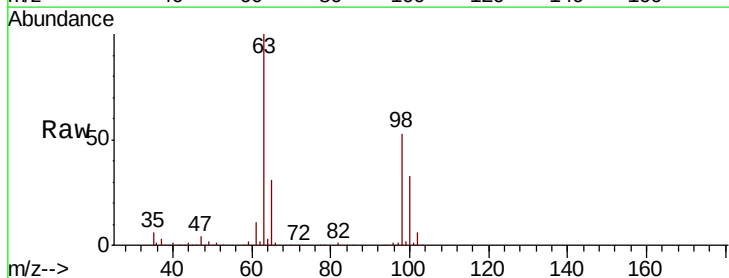
Tgt Ion: 96 Resp: 2412

Ion Ratio Lower Upper

96 100

61 1468.8 132.0 245.2#

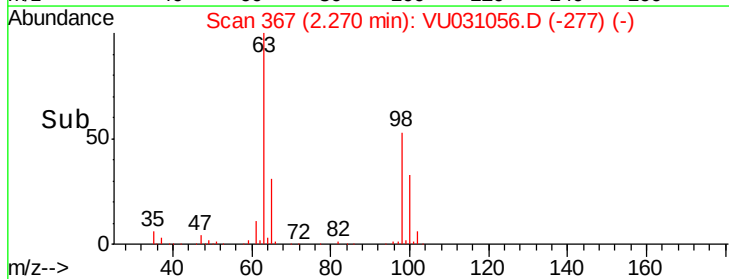
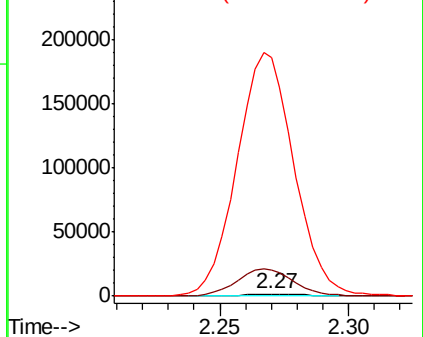
63 13210.8 90.9 168.9#

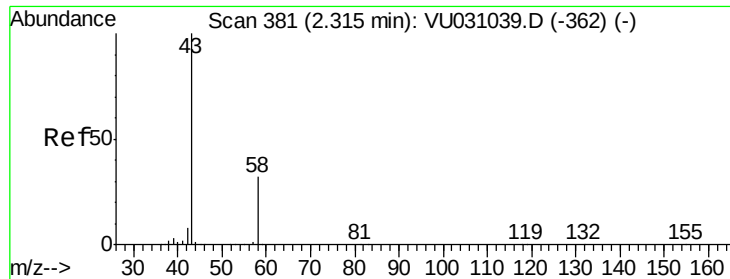


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.475 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

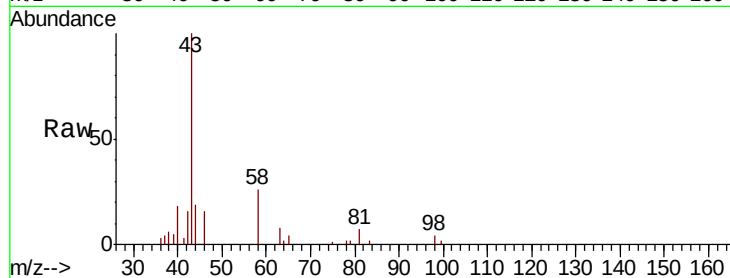
DB6Z9

Tot Ion: 43 Resp: 12002

Ion Ratio Lower Upper

43 100

58 14.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031039.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031039.D (-362) (-)

2.32

6000

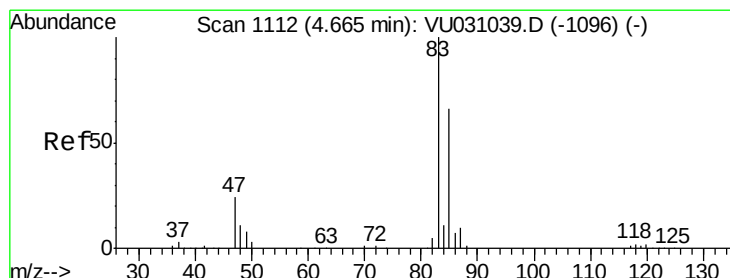
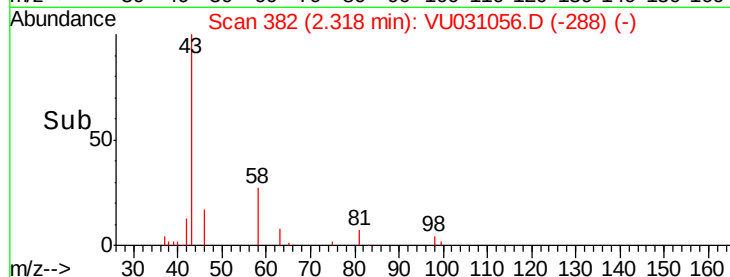
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#25

Chloroform

Concen: 2.495 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VU031056.D

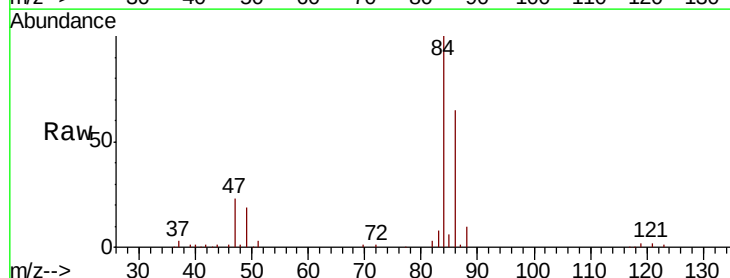
Acq: 11 Apr 2019 09:57

Tgt Ion: 83 Resp: 18117

Ion Ratio Lower Upper

83 100

85 72.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031039.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU031039.D (-1096) (-)

4.66

6000

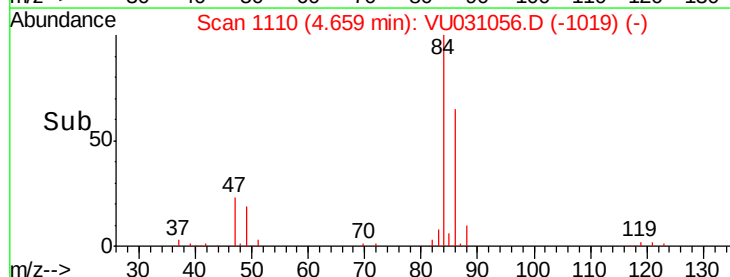
4000

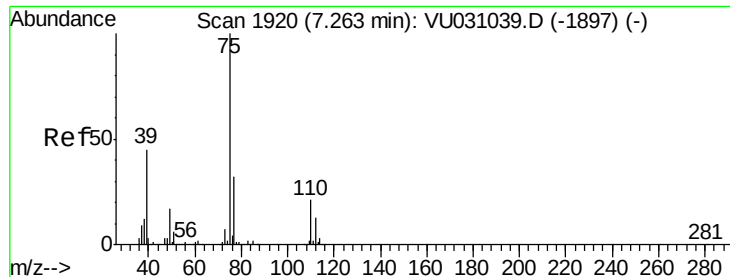
2000

0

Time-->

4.60 4.65 4.70 4.75





#39

cis-1,3-Dichloropropene

Concen: 0.949 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Instrument :

MSVOA_U

ClientSampleId :

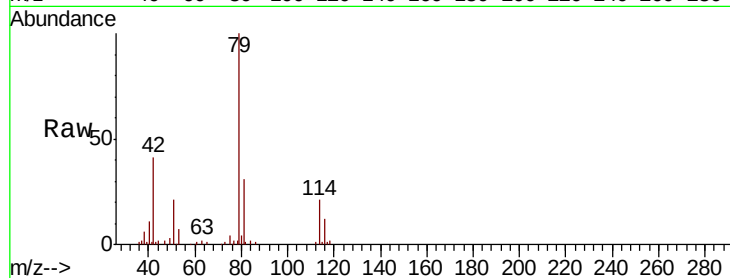
DB6Z9

Tot Ion: 75 Resp: 5998

Ion Ratio Lower Upper

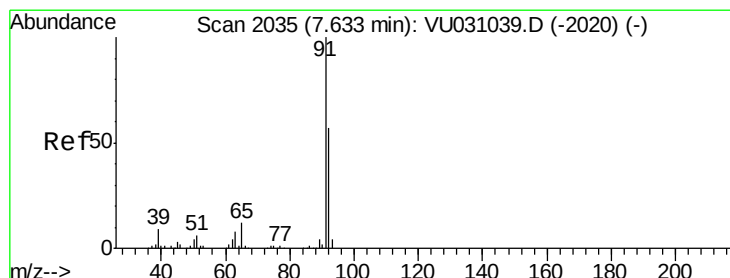
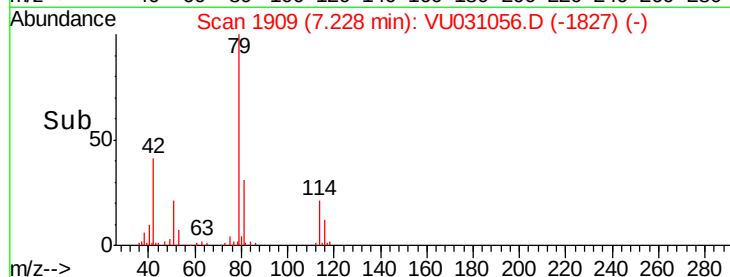
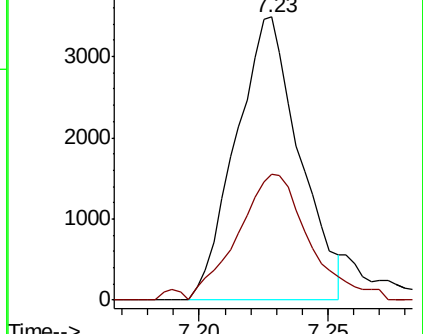
75 100

77 44.5 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU031039.D (-1897) (-)

Ion 77.00 (76.70 to 77.70): VU031039.D (-1897) (-)



#42

Toluene

Concen: 0.424 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031056.D

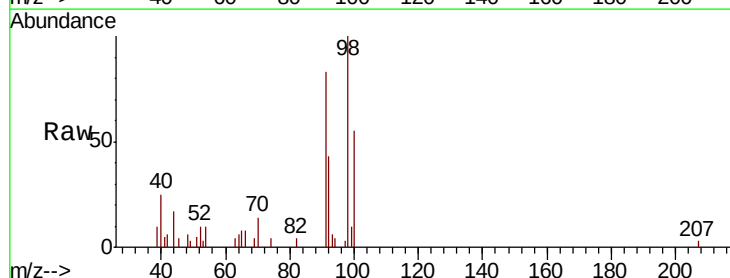
Acq: 11 Apr 2019 09:57

Tgt Ion: 91 Resp: 6784

Ion Ratio Lower Upper

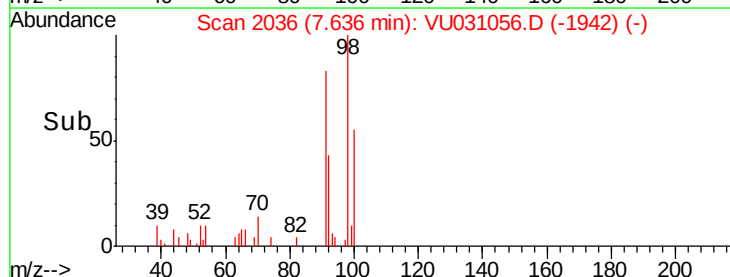
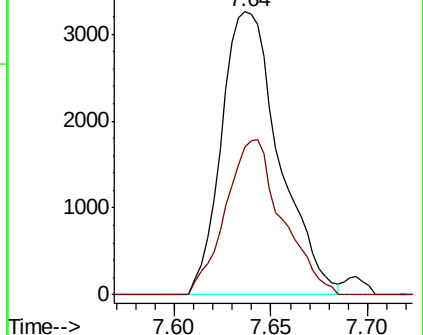
91 100

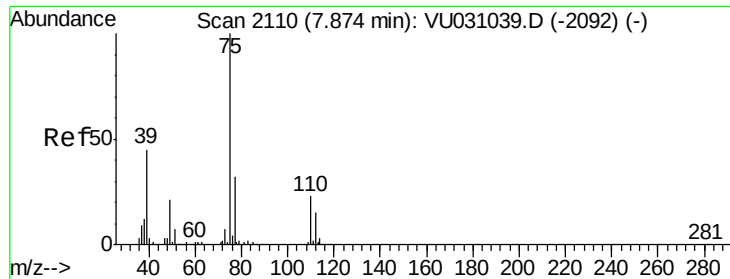
92 52.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031039.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031039.D (-2020) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.681 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Instrument :

MSVOA_U

ClientSampled :

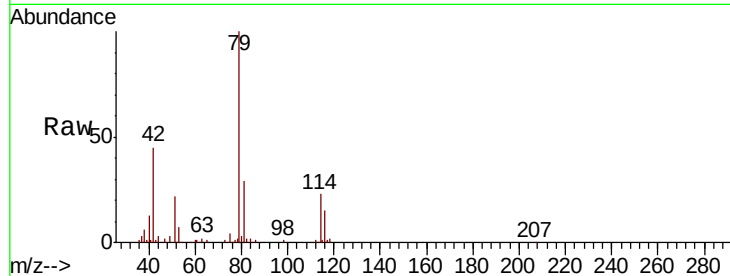
DB6Z9

Tot Ion: 75 Resp: 3795

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031039.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031039.D (-2092) (-)

7.85

2500

2000

1500

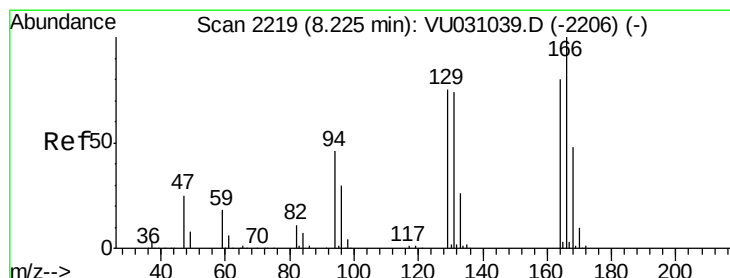
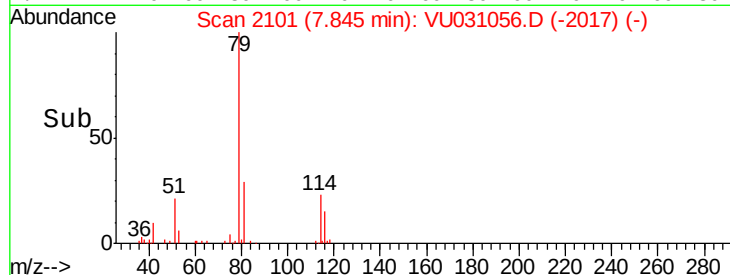
1000

500

0

7.80 7.85

Time-->



#46

Tetrachloroethene

Concen: 0.421 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Tgt Ion:164 Resp: 1177

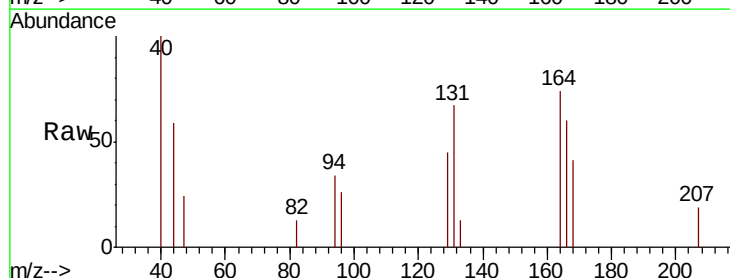
Ion Ratio Lower Upper

164 100

129 61.3 67.4 125.2#

131 90.3 65.9 122.5

166 80.8 88.6 164.6#



Abundance Ion 164.00 (163.70 to 164.70): VU031039.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031039.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031039.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031039.D (-2206) (-)

8.23

1200

1000

800

600

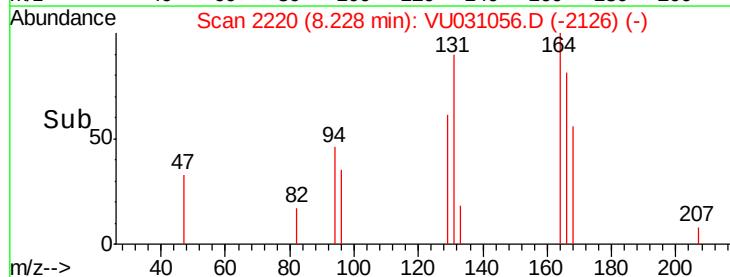
400

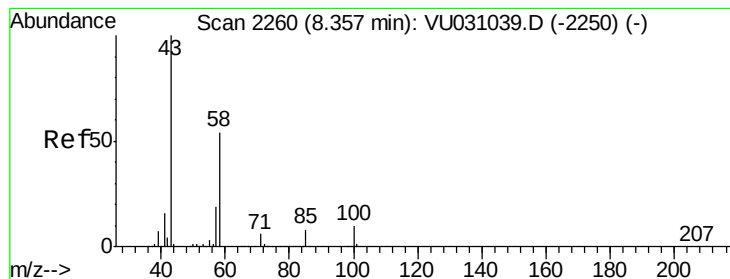
200

0

8.20 8.22 8.24 8.26

Time-->





#48

2-Hexanone

Concen: 2.339 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031056.D

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Instrument :

MSVOA_U

ClientSampleId :

DB6Z9

Tot Ion: 43 Resp: 13030

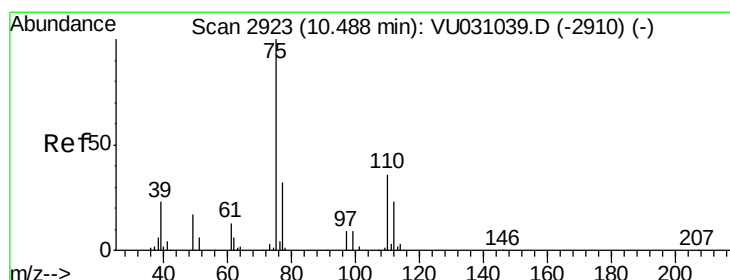
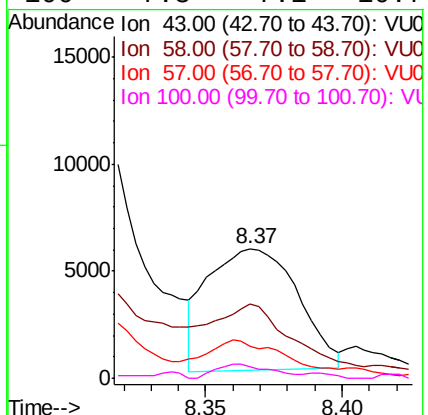
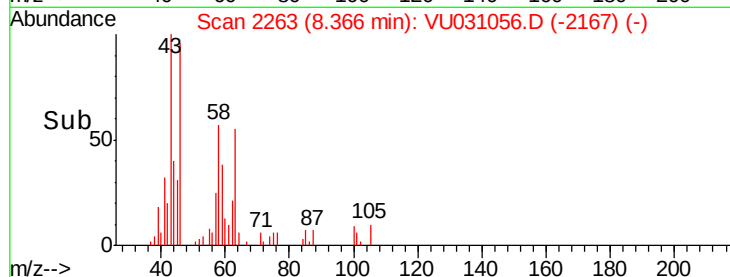
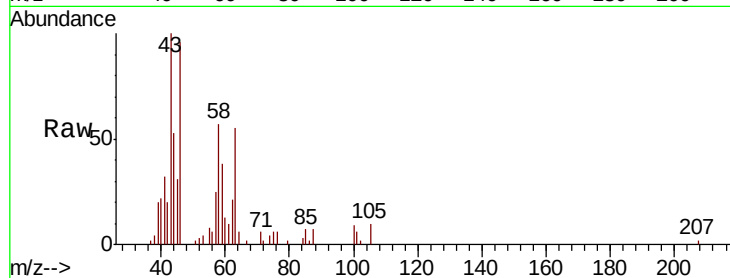
Ion Ratio Lower Upper

43 100

58 0.0 41.9 62.9#

57 6.7 14.3 21.5#

100 7.3 7.1 10.7



#59

1,2,3-Trichloropropane

Concen: 4.588 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031056.D

Acq: 11 Apr 2019 09:57

Tgt Ion: 75 Resp: 24403

Ion Ratio Lower Upper

75 100

77 39.1 26.1 39.1

