

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031081.D
 Acq On : 11 Apr 2019 20:03
 Operator : JC/SP
 Sample : K2341-05DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB716DL

Quant Time: Apr 12 04:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:43:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	456583	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	448436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161493	39.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.24%
7) Chloroethane-d5	1.68	69	140689	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.27	63	233155	31.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.26%
21) 2-Butanone-d5	4.17	46	359654	111.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.34%
24) Chloroform-d	4.64	84	312849	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.30	65	221855	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
32) Benzene-d6	5.33	84	614596	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
36) 1,2-Dichloropropane-d6	6.32	67	219818	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.00%
41) Toluene-d8	7.56	98	516946	44.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.10%
43) trans-1,3-Dichloropropene-	7.85	79	95934	46.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.78%
47) 2-Hexanone-d5	8.31	63	199826	97.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316235	52.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	202151	52.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.38%

Target Compounds

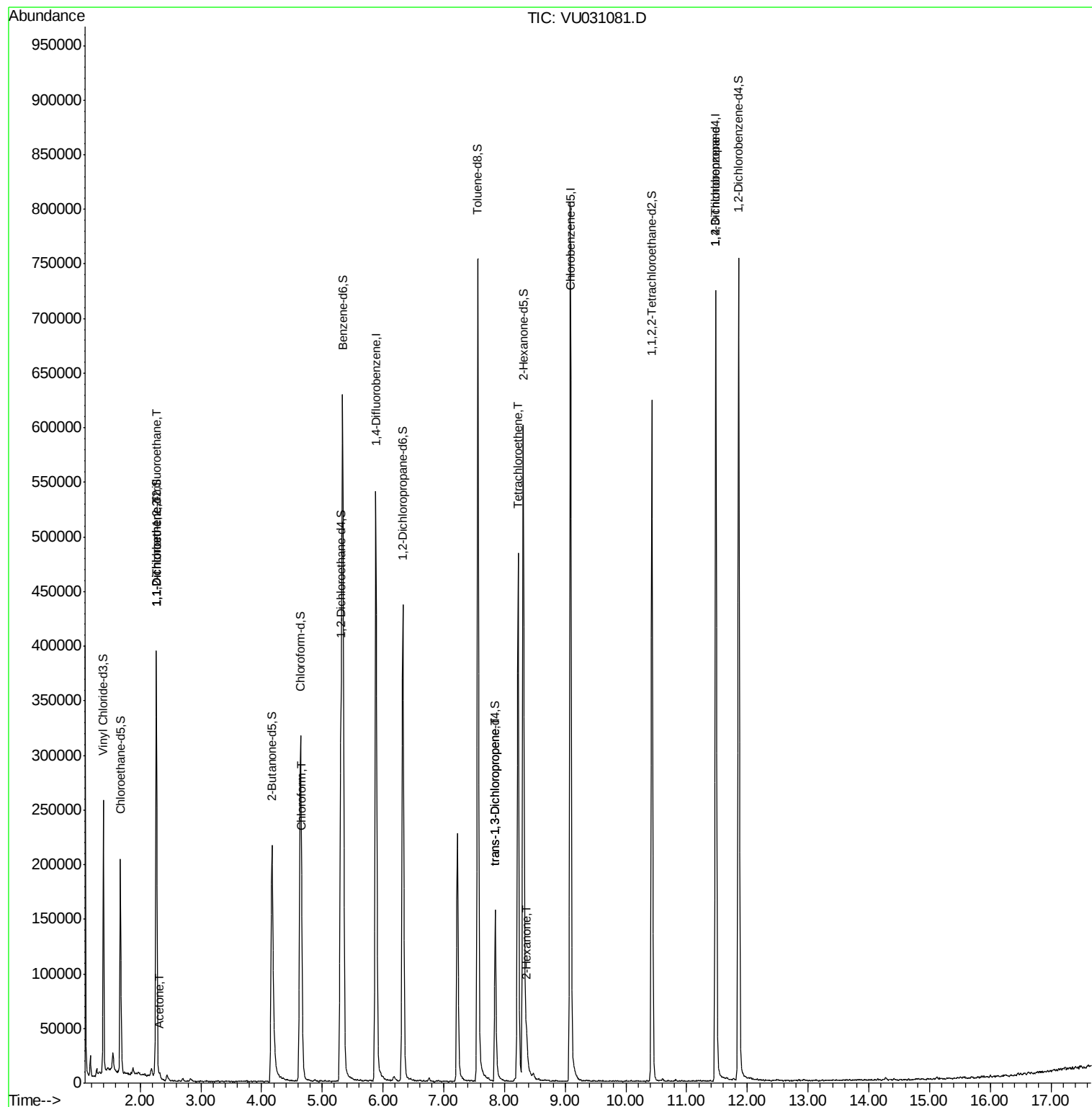
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2136	0.653 ug/L #	20
12) 1,1-Dichloroethene	2.26	96	2010	0.637 ug/L #	1
13) Acetone	2.32	43	3981	1.204 ug/L	86
25) Chloroform	4.67	83	21868	3.146 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3726	0.715 ug/L #	71
46) Tetrachloroethene	8.22	164	110646	42.284 ug/L	98
48) 2-Hexanone	8.37	43	13645	2.617 ug/L #	80
59) 1,2,3-Trichloropropane	11.48	75	23550	4.732 ug/L	92

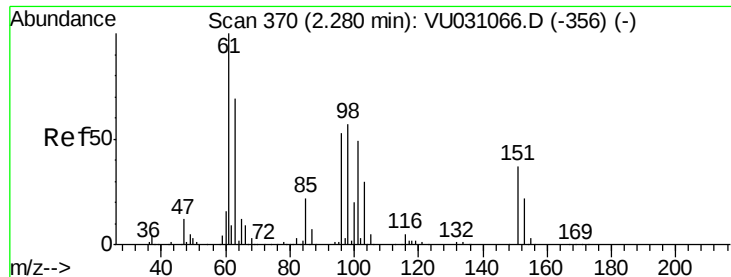
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.653 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031081.D

Acq: 11 Apr 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

DB716DL

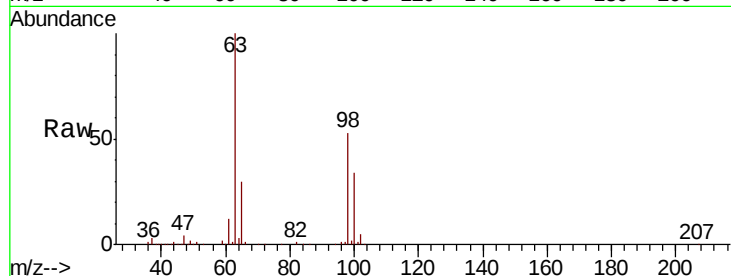
Tot Ion:101 Resp: 2136

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

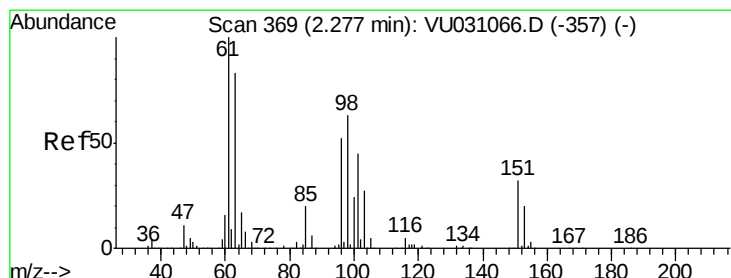
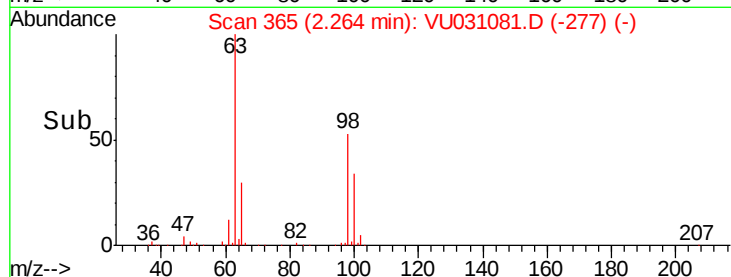
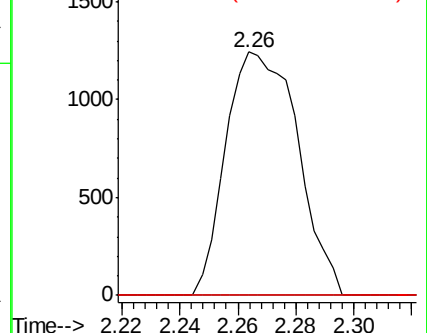
151 0.0 57.4 86.0#



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: 0.637 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU031081.D

Acq: 11 Apr 2019 20:03

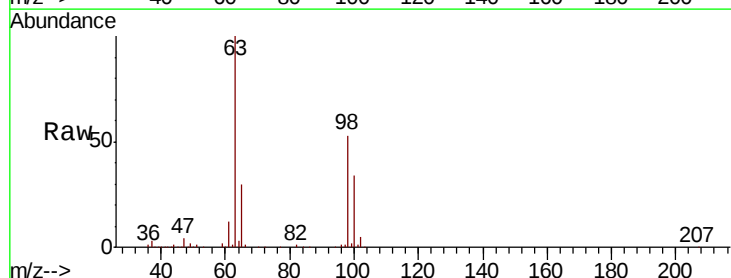
Tgt Ion: 96 Resp: 2010

Ion Ratio Lower Upper

96 100

61 1488.2 132.0 245.2#

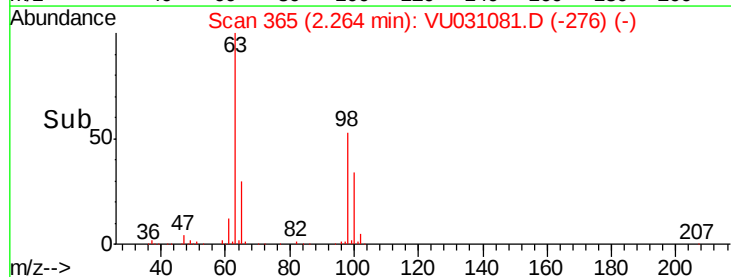
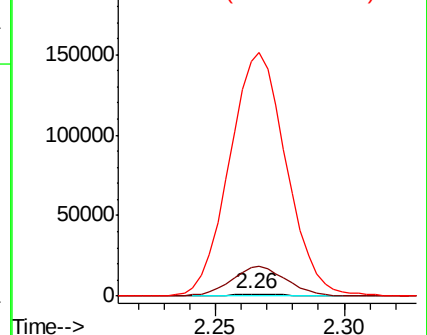
63 12282.8 90.9 168.9#

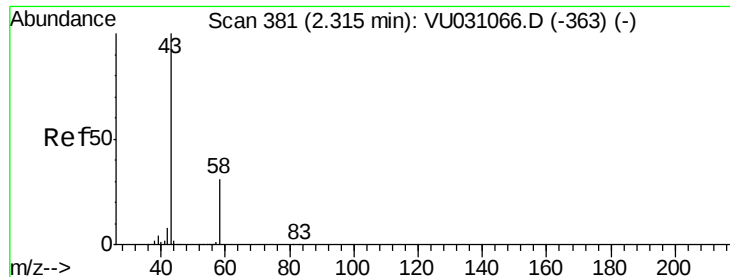


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.204 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031081.D

Acq: 11 Apr 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

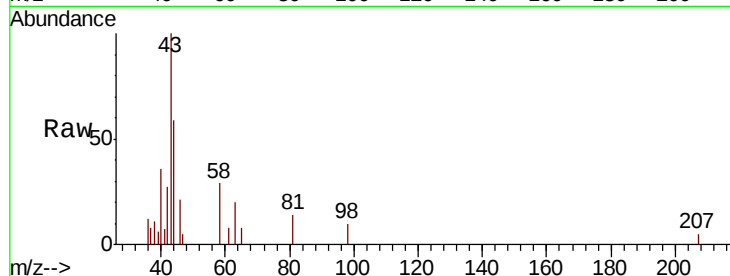
DB716DL

Tot Ion: 43 Resp: 3981

Ion Ratio Lower Upper

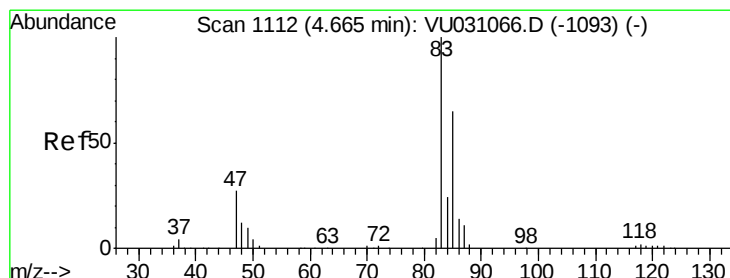
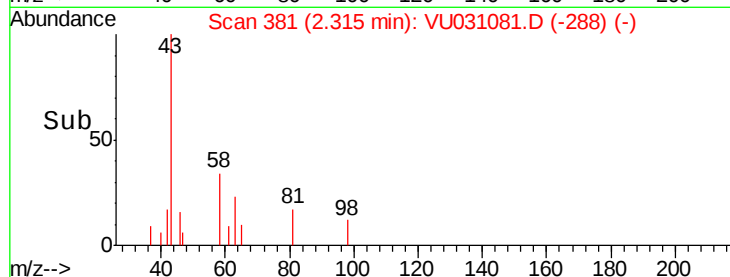
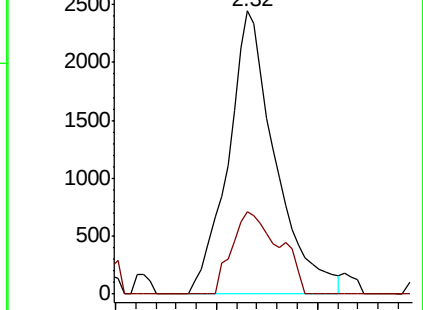
43 100

58 24.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031066.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU031066.D (-363) (-)



#25

Chloroform

Concen: 3.146 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031081.D

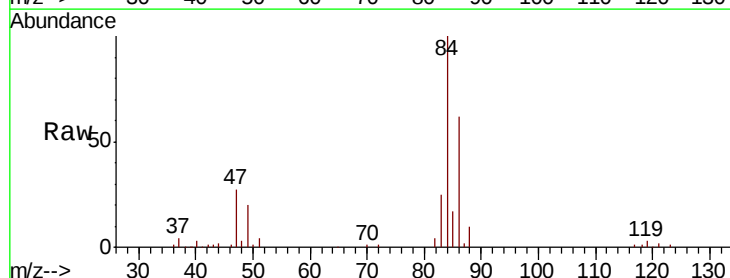
Acq: 11 Apr 2019 20:03

Tgt Ion: 83 Resp: 21868

Ion Ratio Lower Upper

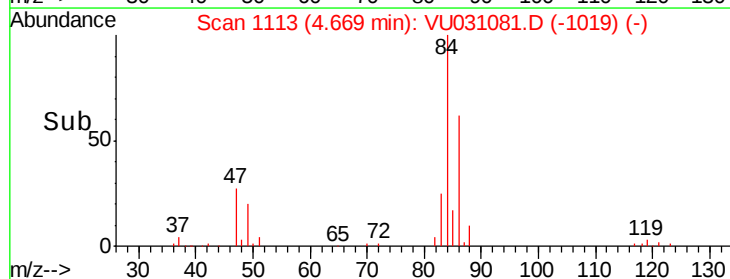
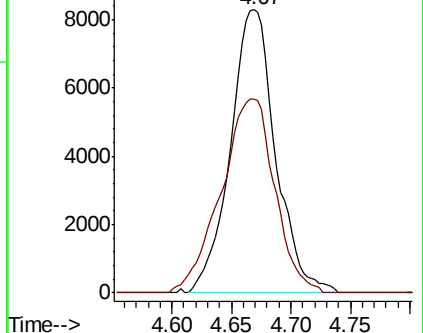
83 100

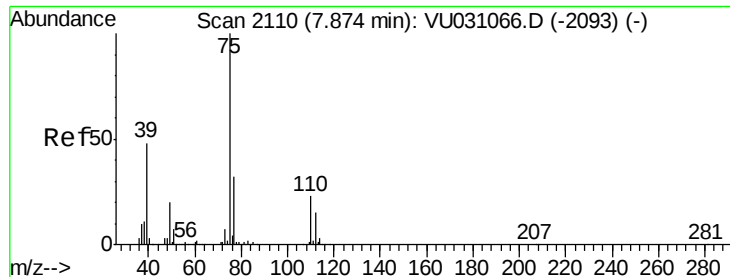
85 68.4 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031066.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031066.D (-1093) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.715 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031081.D

Acq: 11 Apr 2019 20:03

Instrument :

MSVOA_U

ClientSampleId :

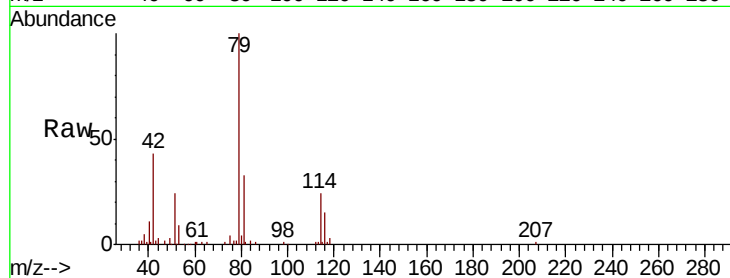
DB716DL

Tot Ion: 75 Resp: 3726

Ion Ratio Lower Upper

75 100

77 46.9 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031066.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031066.D (-2093) (-)

7.85

2000

1500

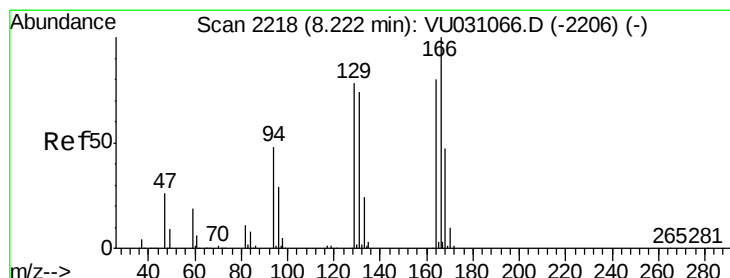
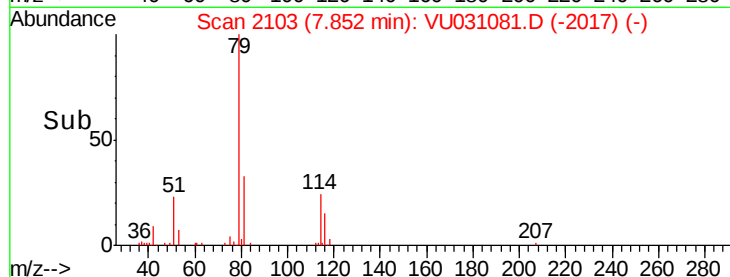
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 42.284 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031081.D

Acq: 11 Apr 2019 20:03

Tgt Ion: 164 Resp: 110646

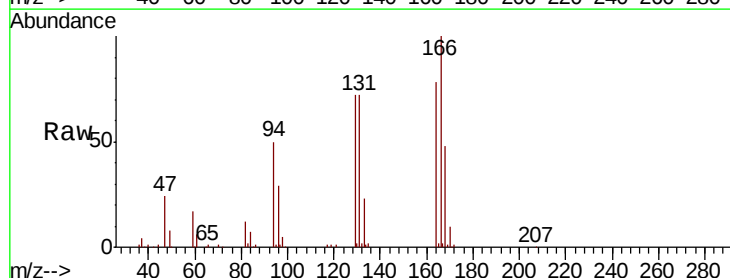
Ion Ratio Lower Upper

164 100

129 93.1 67.4 125.2

131 92.3 65.9 122.5

166 128.6 88.6 164.6



Abundance Ion 164.00 (163.70 to 164.70): VU031066.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031066.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031066.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031066.D (-2206) (-)

8.22

120000

100000

80000

60000

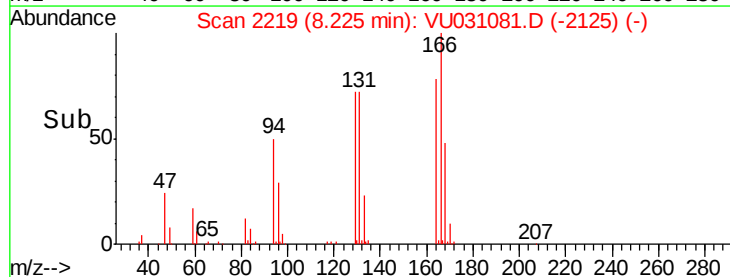
40000

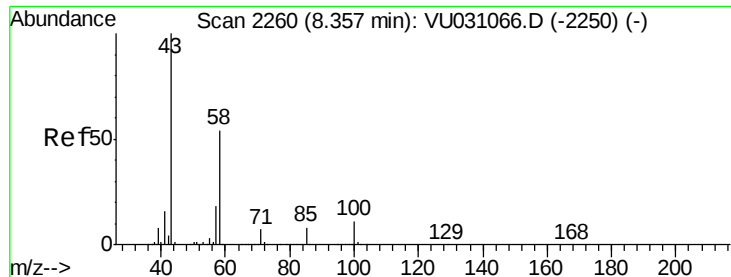
20000

0

8.15 8.20 8.25 8.30

Time-->

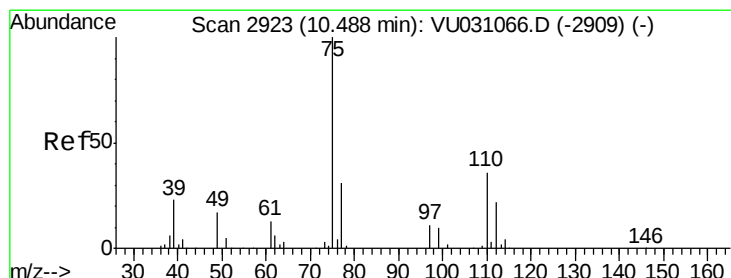
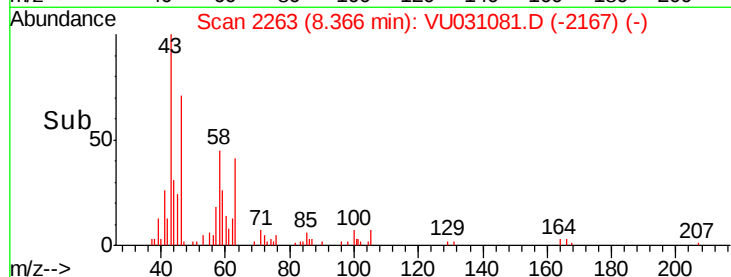
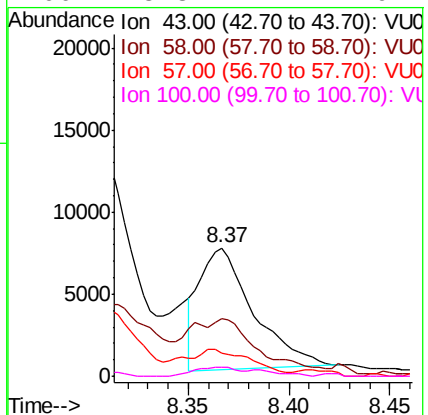
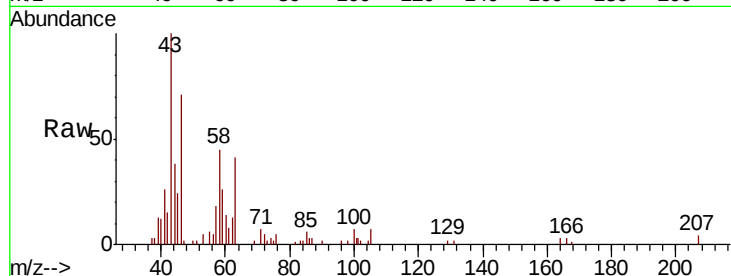




#48
2-Hexanone
Concen: 2.617 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031081.D
Acq: 11 Apr 2019 20:03

Instrument :
MSVOA_U
ClientSampleId :
DB716DL

Tot Ion: 43 Resp: 13645
Ion Ratio Lower Upper
43 100
58 40.5 41.9 62.9#
57 3.3 14.3 21.5#
100 5.8 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.732 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031081.D
Acq: 11 Apr 2019 20:03

Tgt Ion: 75 Resp: 23550
Ion Ratio Lower Upper
75 100
77 36.8 26.1 39.1

