

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031082.D
 Acq On : 11 Apr 2019 20:25
 Operator : JC/SP
 Sample : K2341-07DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB722DL

Quant Time: Apr 12 04:50:45 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	458964	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	456001	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	196195	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	157075	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.68%
7) Chloroethane-d5	1.68	69	134793	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.70%
11) 1,1-Dichloroethene-d2	2.27	63	224000	30.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.46%
21) 2-Butanone-d5	4.17	46	340835	104.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.96%
24) Chloroform-d	4.64	84	310790	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	5.30	65	216468	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
32) Benzene-d6	5.33	84	603384	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
36) 1,2-Dichloropropane-d6	6.32	67	214139	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.56	98	508726	43.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.22%
43) trans-1,3-Dichloropropene-	7.85	79	93996	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.36%
47) 2-Hexanone-d5	8.31	63	189140	90.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309050	50.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	201217	52.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.30%

Target Compounds

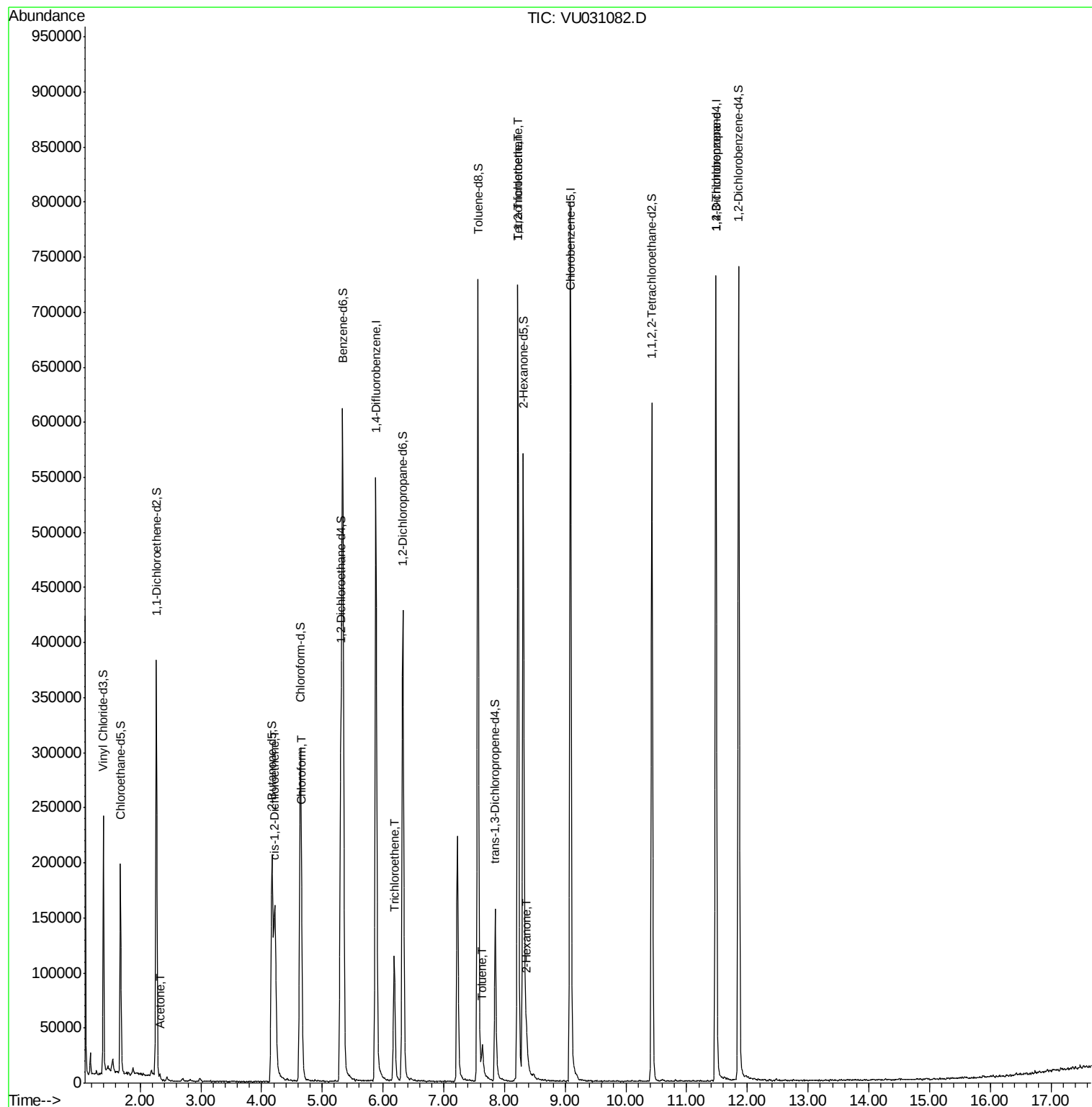
					Ovalue
13) Acetone	2.32	43	2774	0.835 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	76347	20.526 ug/L	93
25) Chloroform	4.67	83	14287	2.045 ug/L	97
34) Trichloroethene	6.18	95	41501	11.339 ug/L	93
42) Toluene	7.64	91	19382	1.272 ug/L	96
45) 1,1,2-Trichloroethane	8.22	97	1226	0.342 ug/L #	1
46) Tetrachloroethene	8.22	164	161867	60.832 ug/L	98
48) 2-Hexanone	8.37	43	15325	2.891 ug/L #	86
59) 1,2,3-Trichloropropane	11.48	75	22531	4.452 ug/L	91

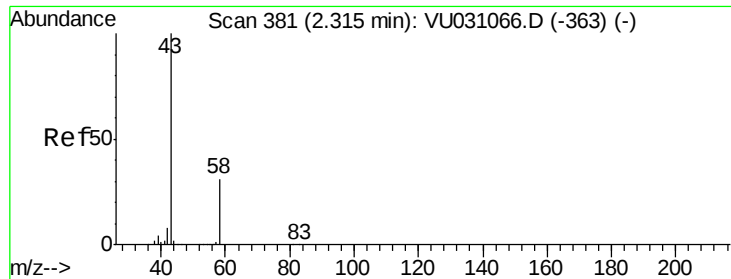
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 0.835 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

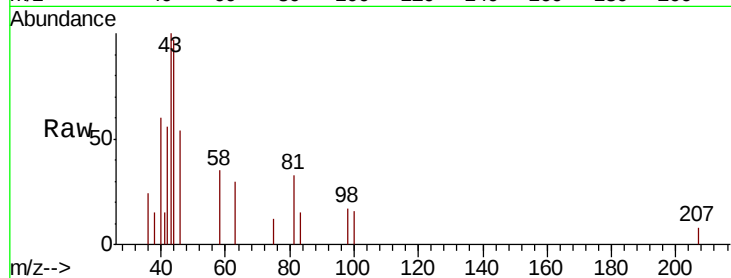
DB722DL

Tot Ion: 43 Resp: 2774

Ion Ratio Lower Upper

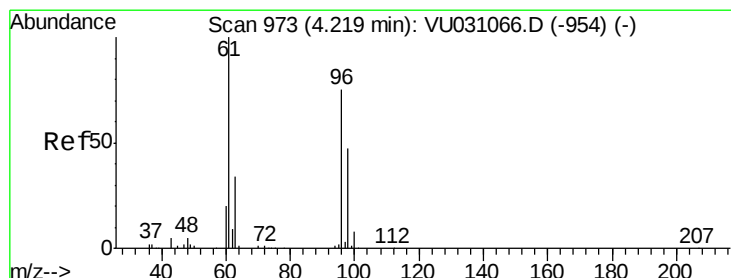
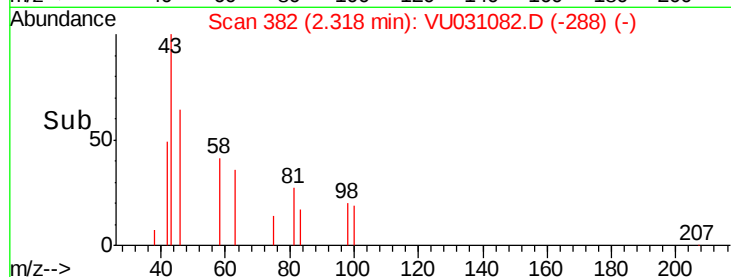
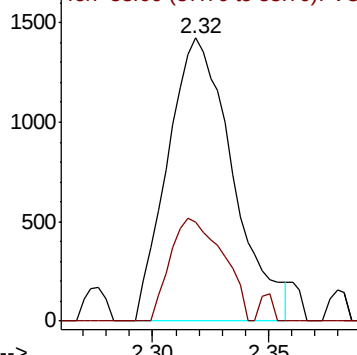
43 100

58 29.5 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) (-)



#20

cis-1,2-Dichloroethene

Concen: 20.526 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

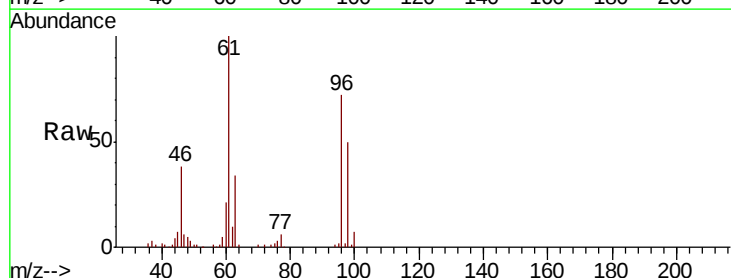
Tgt Ion: 96 Resp: 76347

Ion Ratio Lower Upper

96 100

61 138.5 102.9 191.1

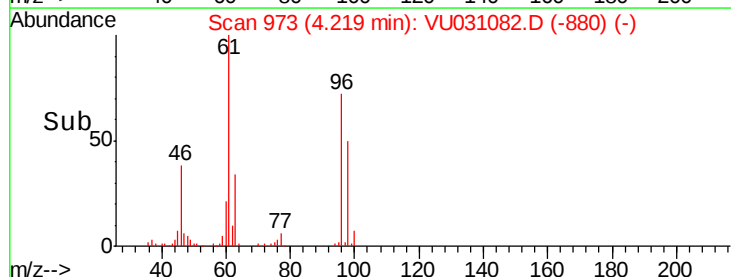
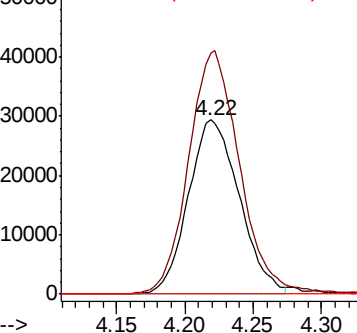
68 0.0 0.0 0.0

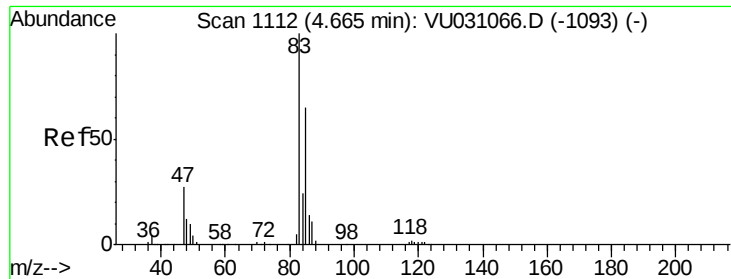


Abundance Ion 96.00 (95.70 to 96.70): VU031066.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031066.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031066.D (-954) (-)

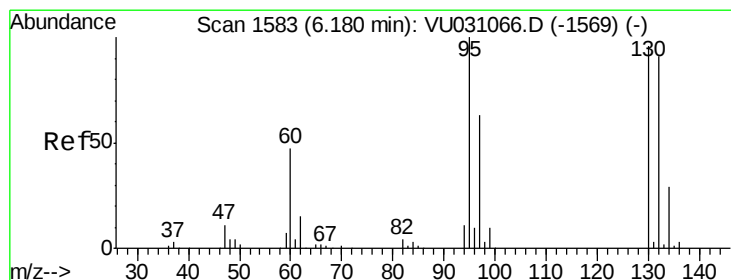
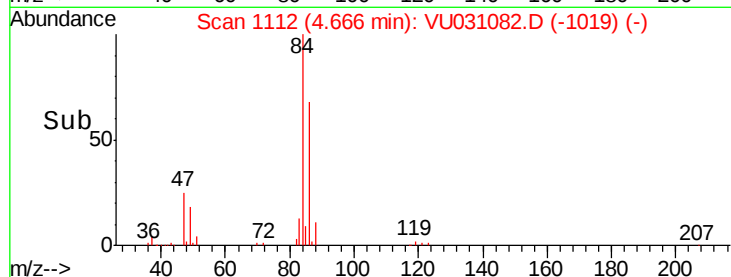
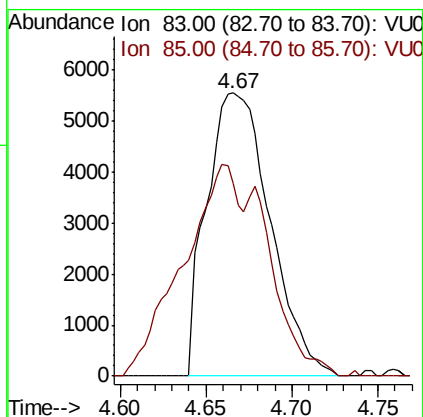
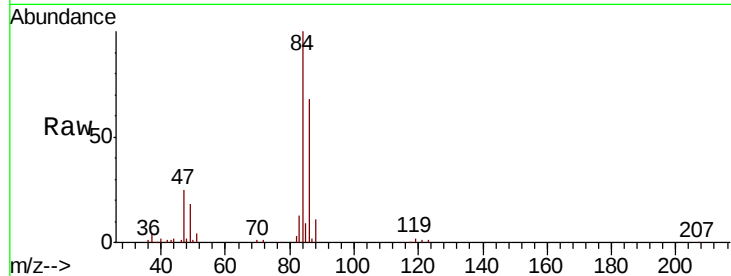




#25
Chloroform
Concen: 2.045 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU031082.D
Acq: 11 Apr 2019 20:25

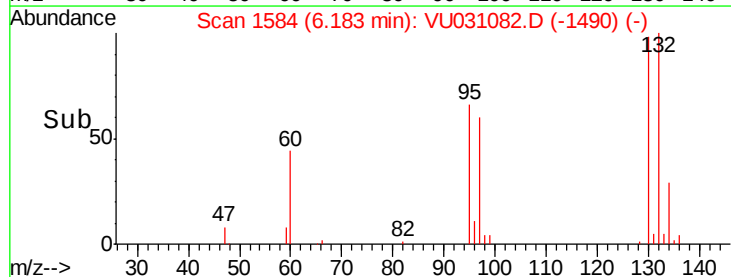
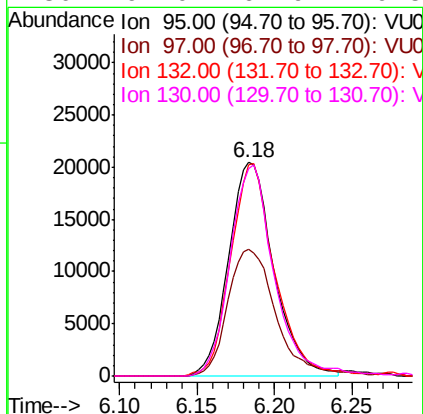
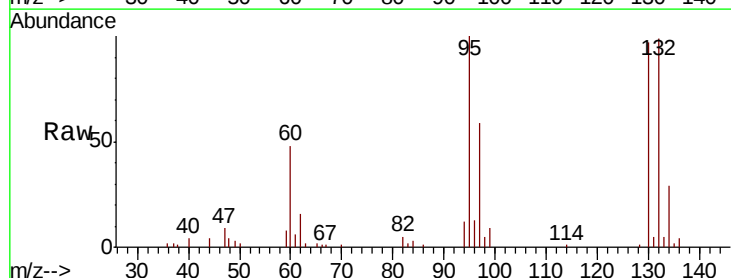
Instrument :
MSVOA_U
ClientSampleId :
DB722DL

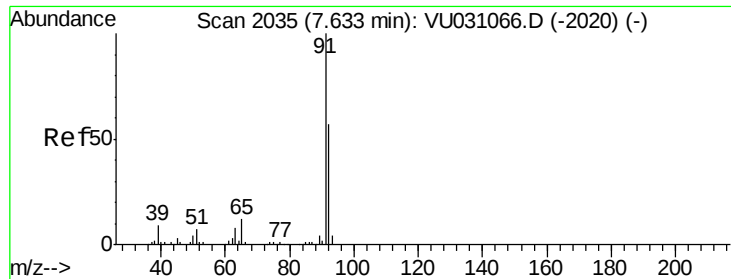
Tot Ion: 83 Resp: 14287
Ion Ratio Lower Upper
83 100
85 67.9 45.8 85.0



#34
Trichloroethene
Concen: 11.339 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031082.D
Acq: 11 Apr 2019 20:25

Tgt Ion: 95 Resp: 41501
Ion Ratio Lower Upper
95 100
97 59.3 44.5 82.7
132 99.0 61.5 114.1
130 97.0 64.9 120.5





#42

Toluene

Concen: 1.272 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

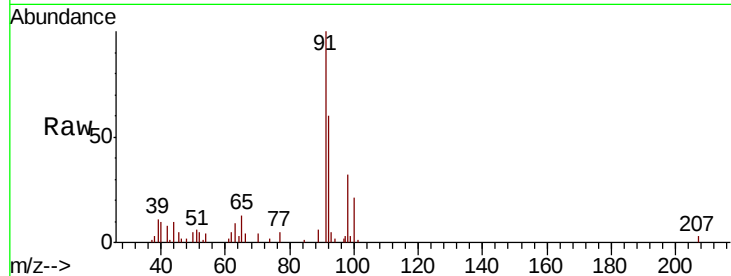
DB722DL

Tot Ion: 91 Resp: 19382

Ion Ratio Lower Upper

91 100

92 60.4 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031066.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031066.D (-2020) (-)

7.64

10000

8000

6000

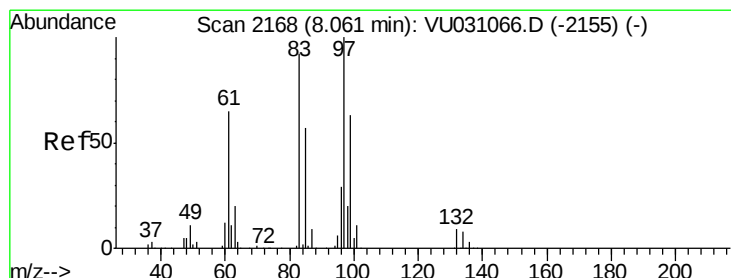
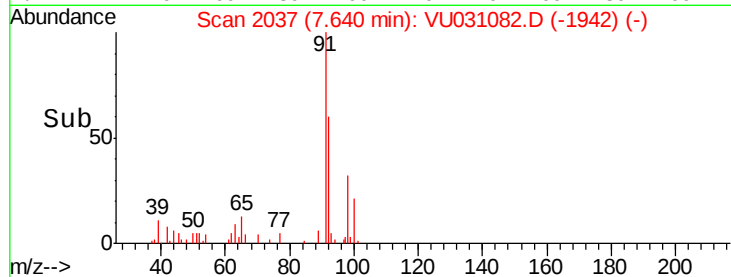
4000

2000

0

Time-->

7.60 7.65 7.70



#45

1,1,2-Trichloroethane

Concen: 0.342 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.16 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Tgt Ion: 97 Resp: 1226

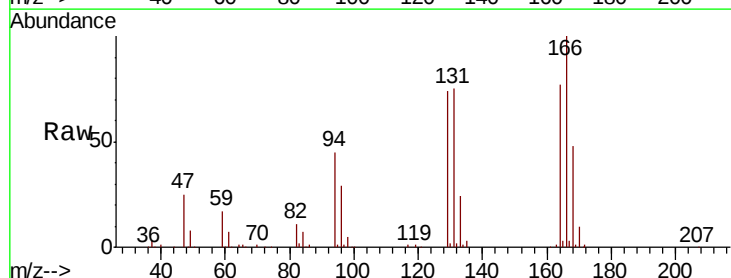
Ion Ratio Lower Upper

97 100

99 18.7 44.0 81.8#

83 332.0 65.3 121.3#

85 43.1 42.5 78.9



Abundance Ion 97.00 (96.70 to 97.70): VU031066.D (-2155) (-)

Ion 99.00 (98.70 to 99.70): VU031066.D (-2155) (-)

Ion 83.00 (82.70 to 83.70): VU031066.D (-2155) (-)

Ion 85.00 (84.70 to 85.70): VU031066.D (-2155) (-)

4000

3000

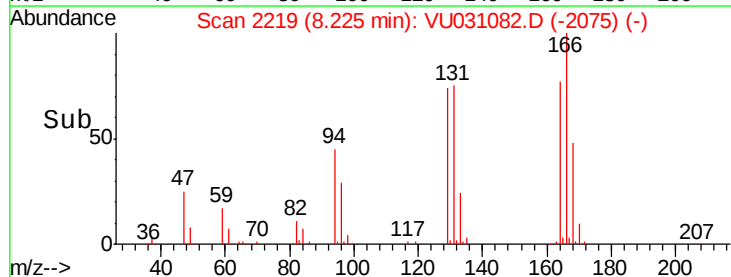
2000

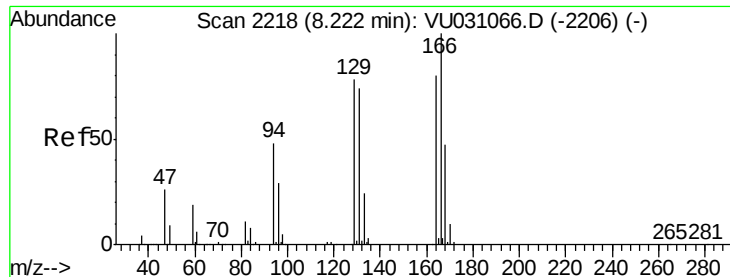
1000

0

Time-->

8.18 8.20 8.22 8.24





#46

Tetrachloroethene

Concen: 60.832 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

DB722DL

Tot Ion:164 Resp: 161867

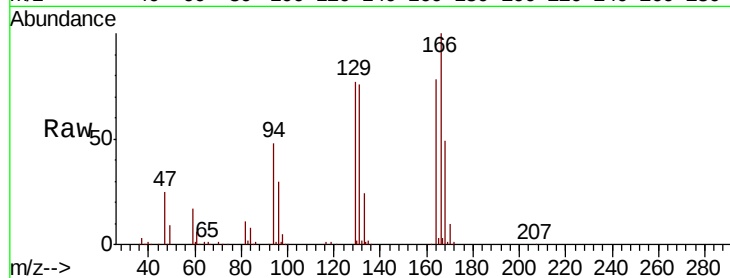
Ion Ratio Lower Upper

164 100

129 97.6 67.4 125.2

131 97.2 65.9 122.5

166 127.4 88.6 164.6

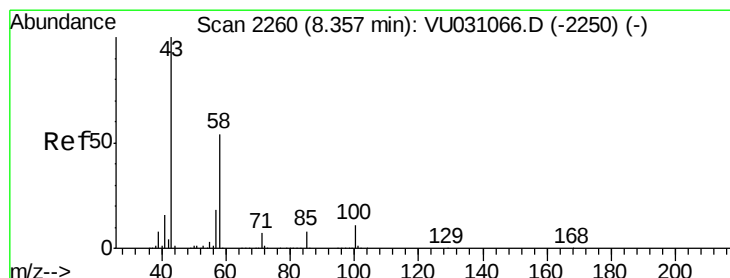
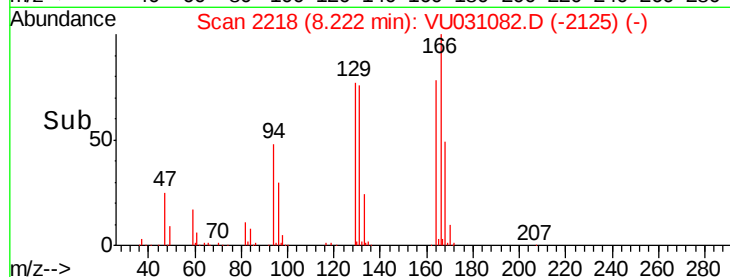
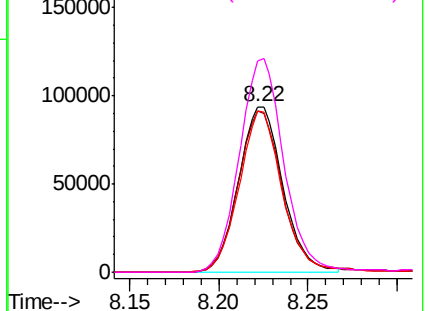


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.891 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Tgt Ion: 43 Resp: 15325

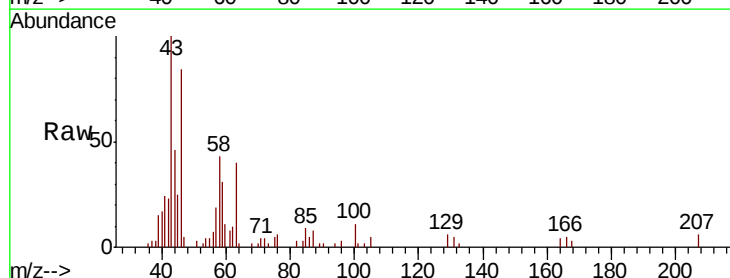
Ion Ratio Lower Upper

43 100

58 40.9 41.9 62.9#

57 12.6 14.3 21.5#

100 8.2 7.1 10.7

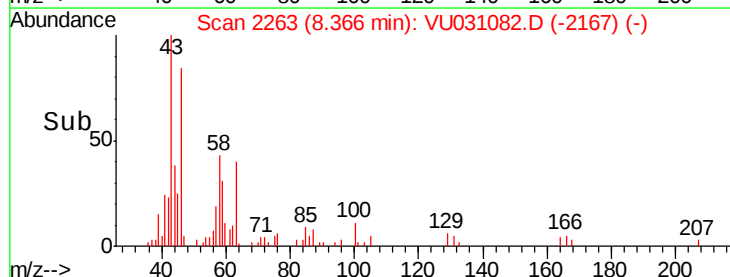
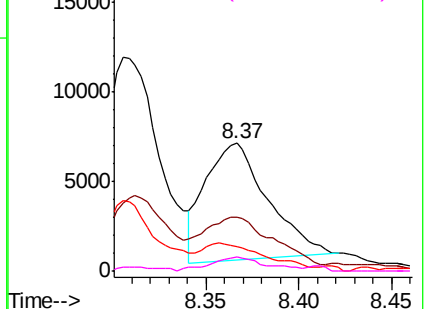


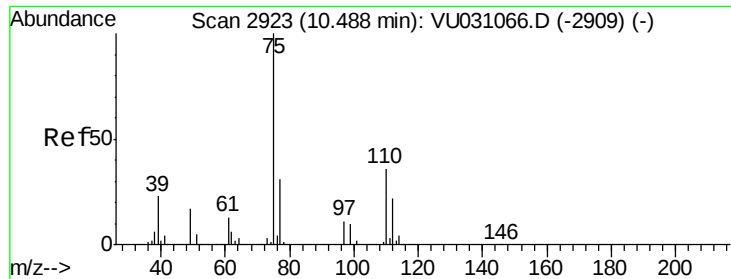
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.452 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031082.D

Acq: 11 Apr 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

DB722DL

Tot Ion: 75 Resp: 22531

Ion Ratio Lower Upper

75 100

77 37.6 26.1 39.1

