

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031058.D
 Acq On : 11 Apr 2019 10:43
 Operator : JC/SP
 Sample : K2341-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB716

Quant Time: Apr 12 03:11:59 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	472004	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	470433	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	205063	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.68	69	173082	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.24%
11) 1,1-Dichloroethene-d2	2.27	63	281983	37.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.00%
21) 2-Butanone-d5	4.17	46	355715	106.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.52%
24) Chloroform-d	4.64	84	357632	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	5.31	65	245857	55.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.96%
32) Benzene-d6	5.34	84	707124	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
36) 1,2-Dichloropropane-d6	6.32	67	240079	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.02%
41) Toluene-d8	7.56	98	617356	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.85	79	99518	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.74%
47) 2-Hexanone-d5	8.31	63	220134	102.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329034	51.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	227601	56.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.72%

Target Compounds

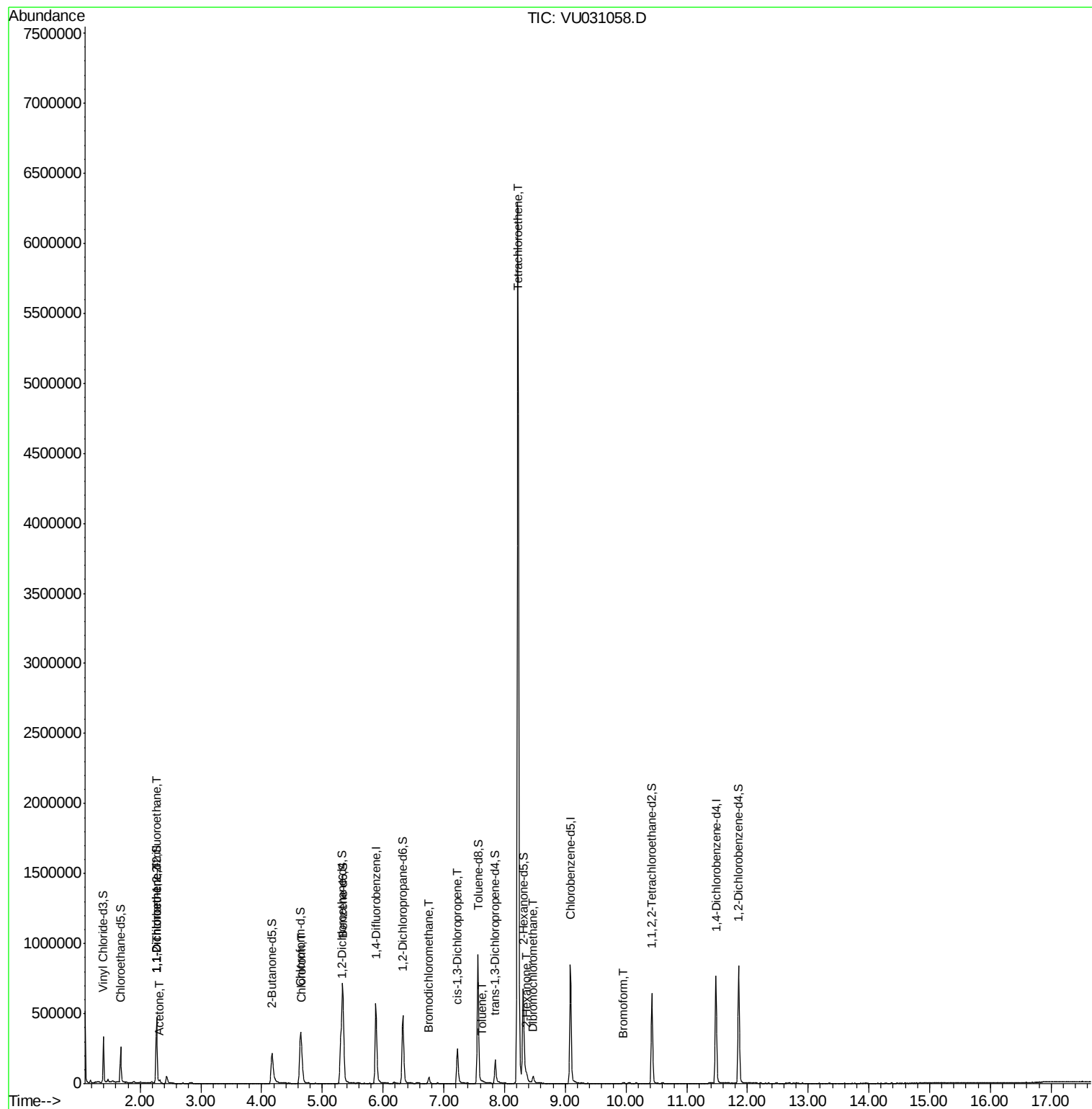
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2591	0.767	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2057	0.630	ug/L #	1
13) Acetone	2.32	43	20253	5.927	ug/L	99
25) Chloroform	4.67	83	80485	11.201	ug/L	99
38) Bromodichloromethane	6.76	83	30569	5.813	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	5831	0.940	ug/L #	74
42) Toluene	7.64	91	9027	0.574	ug/L	98
46) Tetrachloroethene	8.22	164	1427459	520.000	ug/L	99
48) 2-Hexanone	8.36	43	16175	2.958	ug/L #	45
49) Dibromochloromethane	8.48	129	13208	3.367	ug/L	99
61) Bromoform	9.96	173	1771	0.653	ug/L #	98

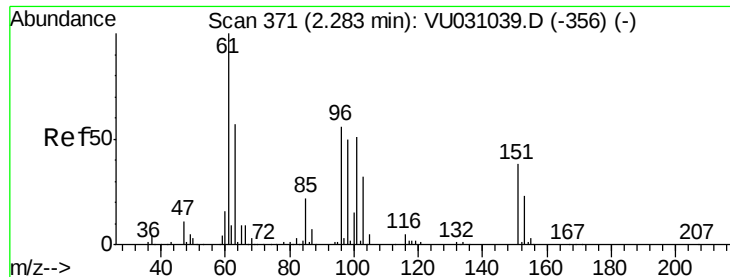
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.767 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Instrument :

MSVOA_U

ClientSampled :

DB716

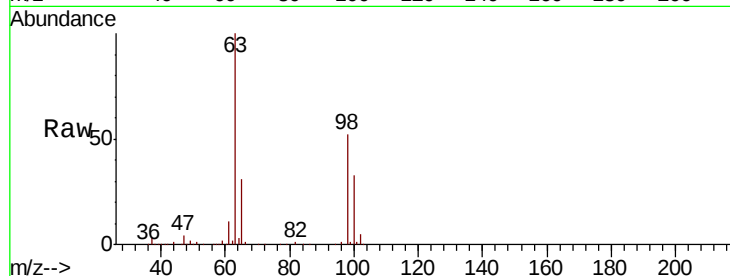
Tot Ion:101 Resp: 2591

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

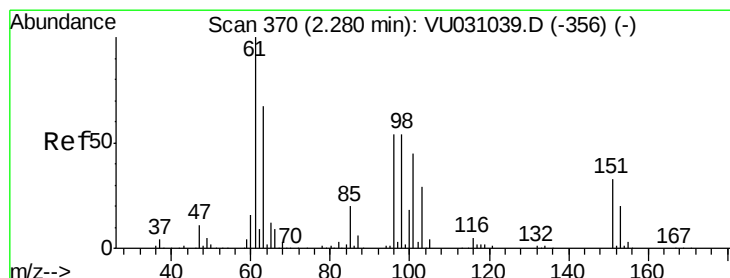
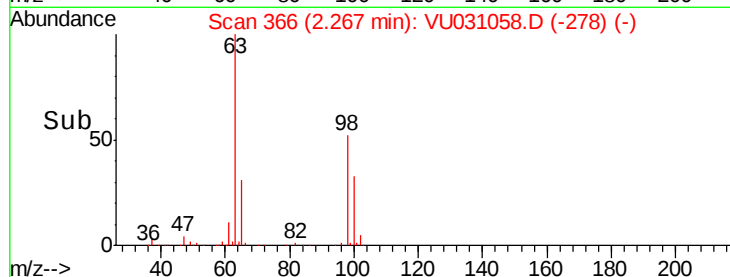
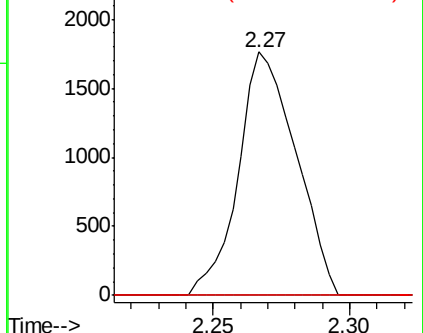
151 0.0 57.4 86.0#



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: 0.630 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

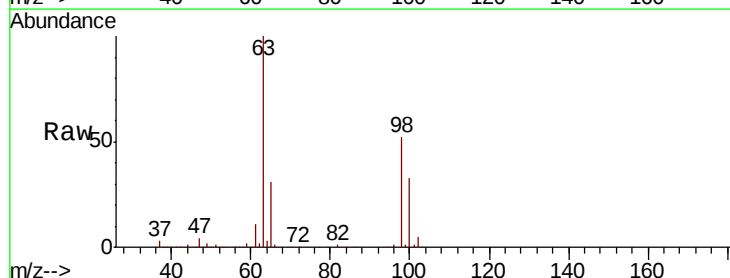
Tgt Ion: 96 Resp: 2057

Ion Ratio Lower Upper

96 100

61 1503.4 132.0 245.2#

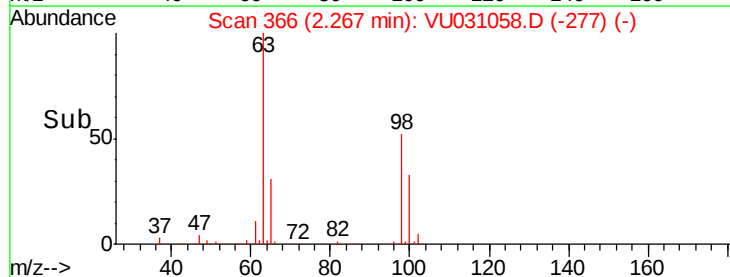
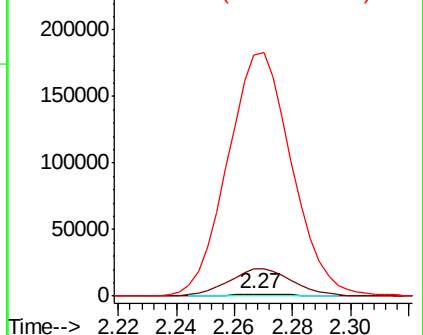
63 13296.6 90.9 168.9#

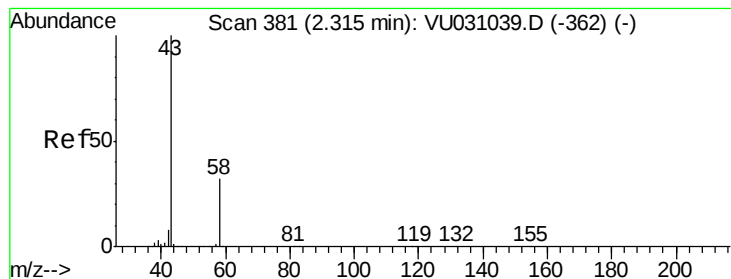


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.927 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

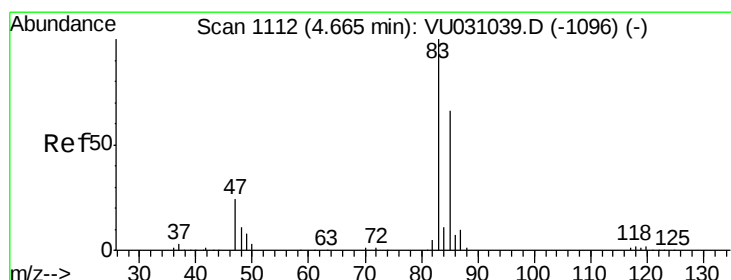
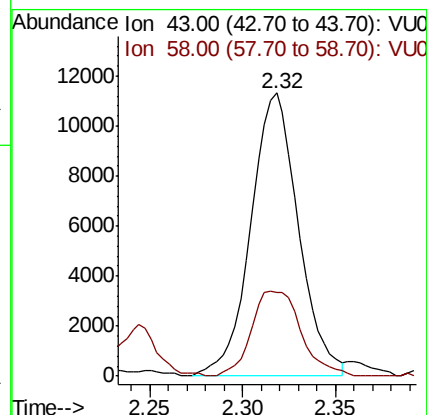
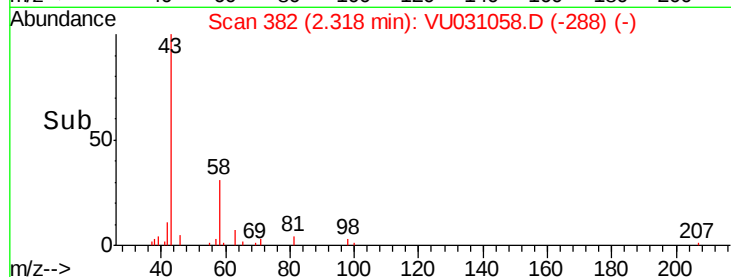
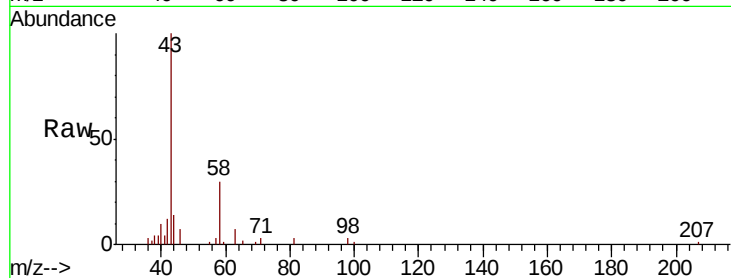
DB716

Tot Ion: 43 Resp: 20253

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0



#25

Chloroform

Concen: 11.201 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031058.D

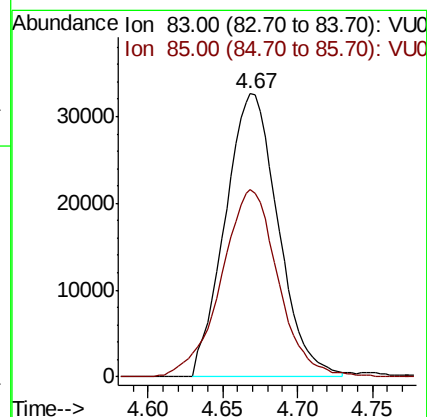
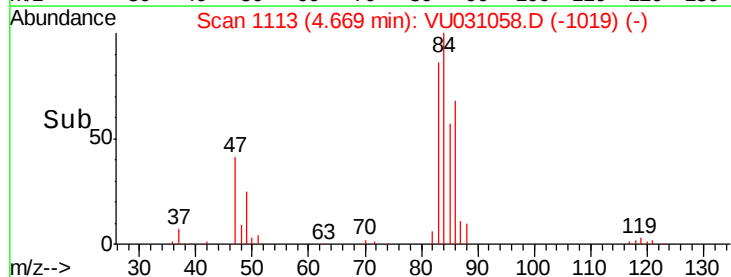
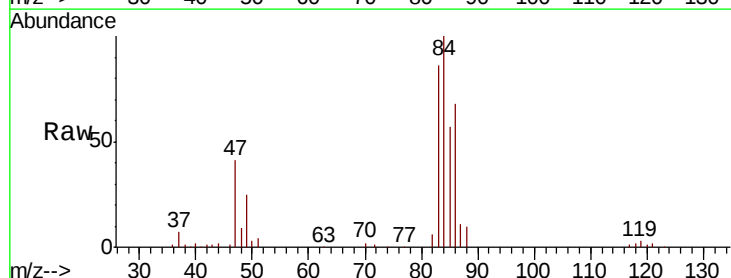
Acq: 11 Apr 2019 10:43

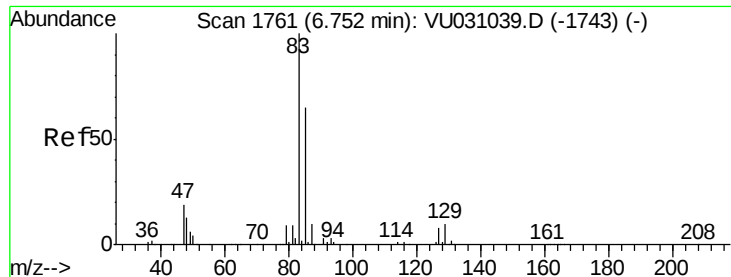
Tgt Ion: 83 Resp: 80485

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.0





#38

Bromodichloromethane

Concen: 5.813 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

DB716

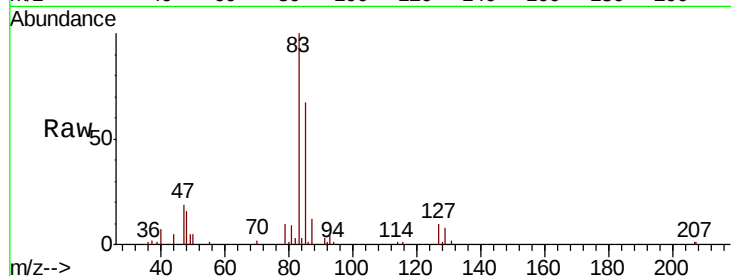
Tot Ion: 83 Resp: 30569

Ion Ratio Lower Upper

83 100

85 66.6 46.5 86.3

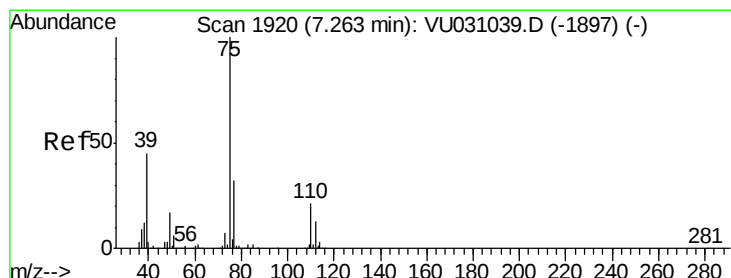
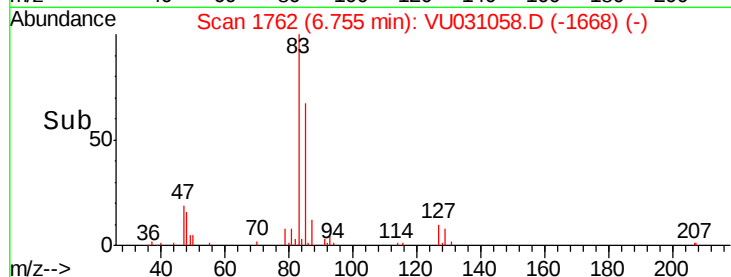
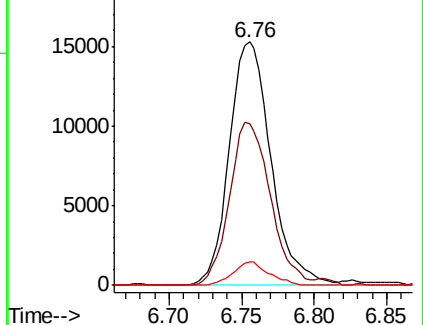
127 9.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU031039.D (-1743) (-)

Ion 85.00 (84.70 to 85.70): VU031039.D (-1743) (-)

Ion 127.00 (126.70 to 127.70): VU031039.D (-1743) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031058.D

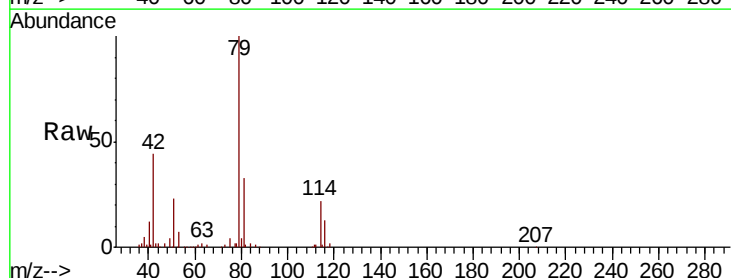
Acq: 11 Apr 2019 10:43

Tgt Ion: 75 Resp: 5831

Ion Ratio Lower Upper

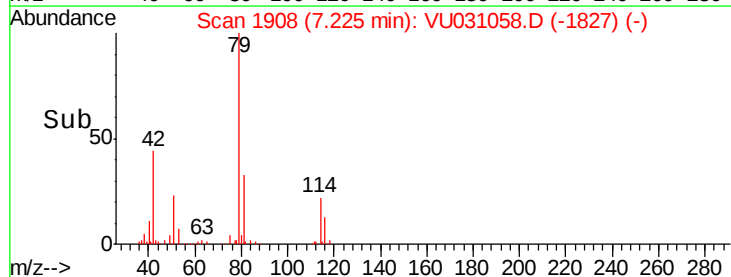
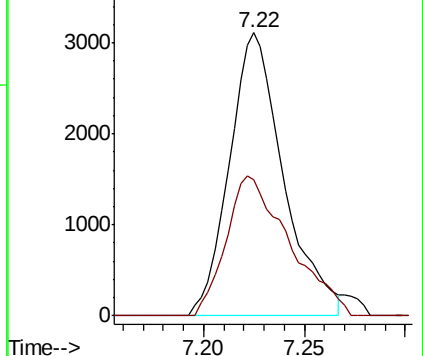
75 100

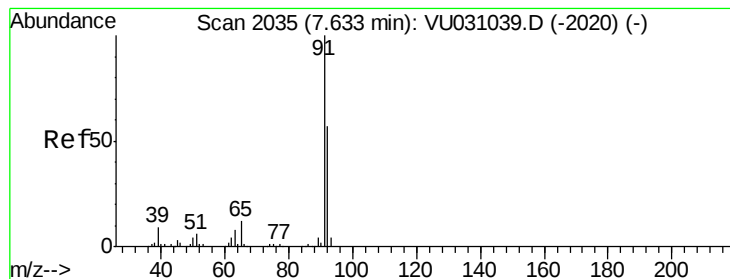
77 48.0 23.1 42.9#



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: 0.574 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

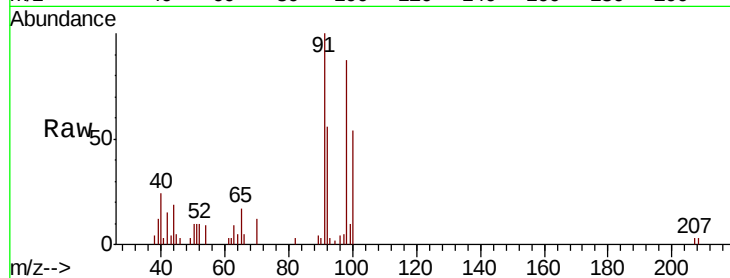
DB716

Tot Ion: 91 Resp: 9027

Ion Ratio Lower Upper

91 100

92 56.0 40.0 74.4

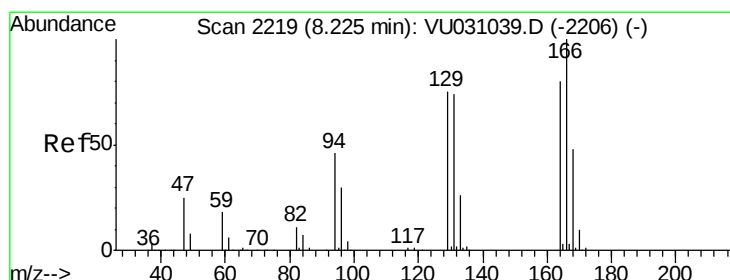
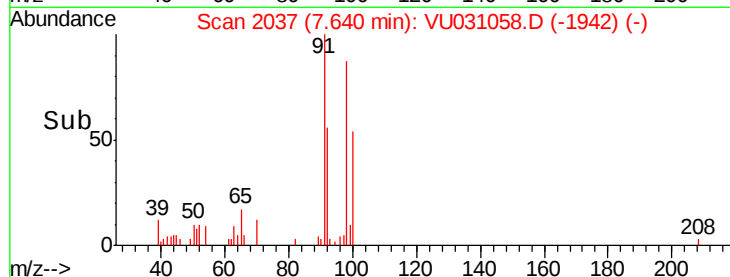


Abundance Ion 91.00 (90.70 to 91.70): VU031039.D (-2020) (-)

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

7.64

Time-->



#46

Tetrachloroethene

Concen: 520.000 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Tgt Ion:164 Resp: 1427459

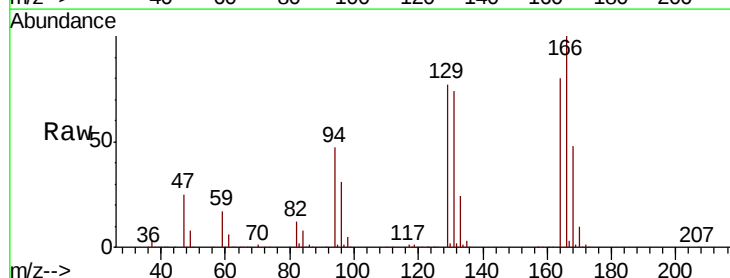
Ion Ratio Lower Upper

164 100

129 96.2 67.4 125.2

131 93.5 65.9 122.5

166 125.7 88.6 164.6



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

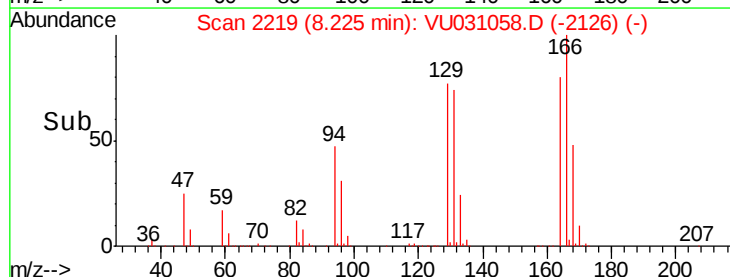
Ion 129.00 (128.70 to 129.70): VU031039.D (-2206) (-)

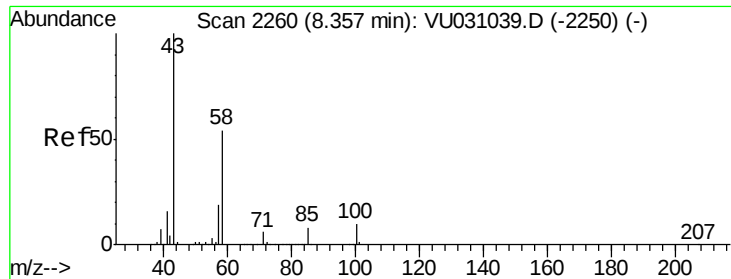
Ion 131.00 (130.70 to 131.70): VU031039.D (-2206) (-)

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

8.22

Time-->

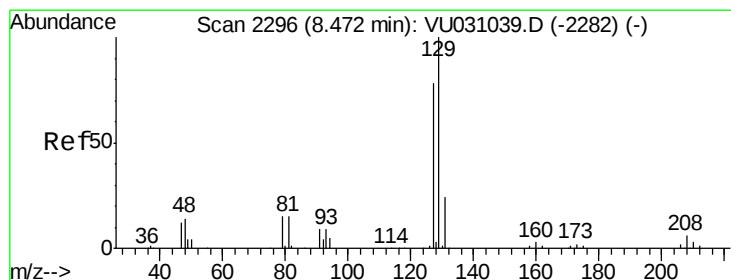
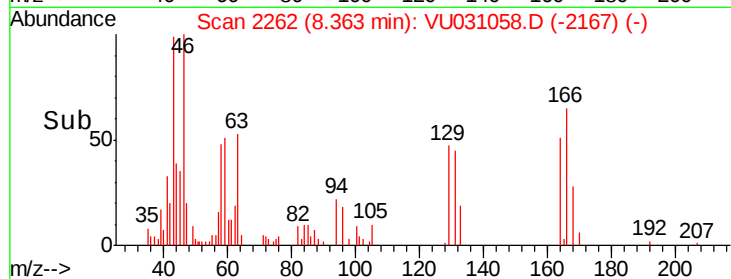
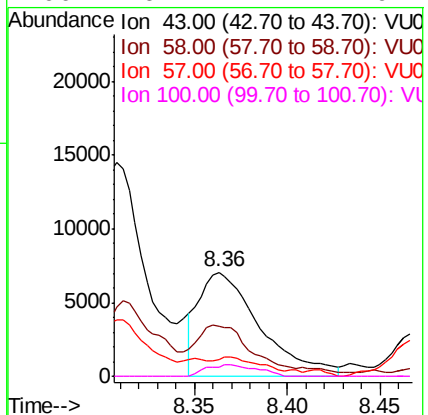
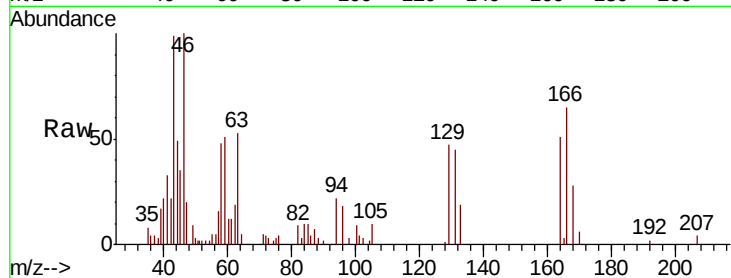




#48
2-Hexanone
Concen: 2.958 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031058.D
Acq: 11 Apr 2019 10:43

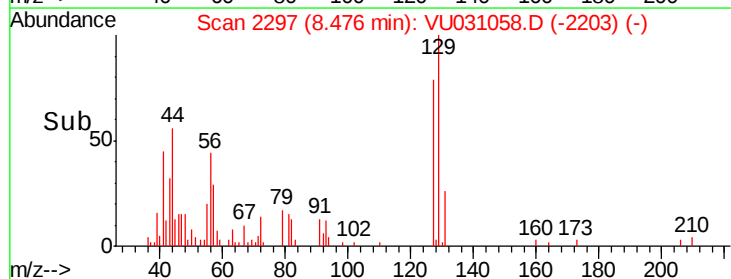
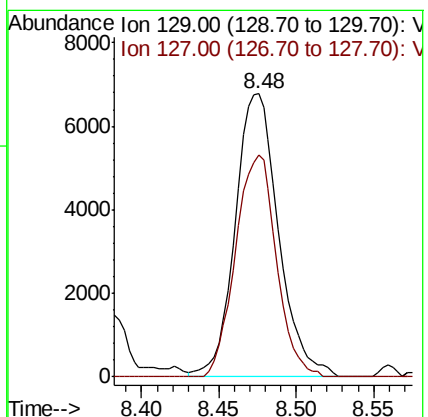
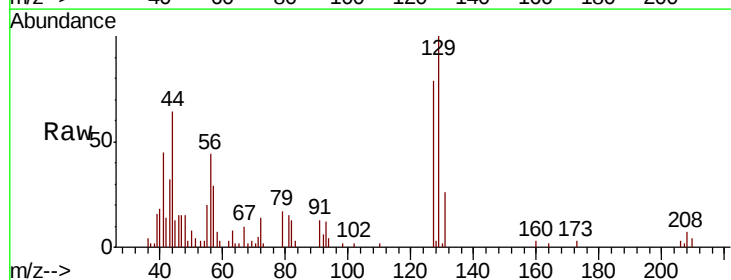
Instrument :
MSVOA_U
ClientSampled :
DB716

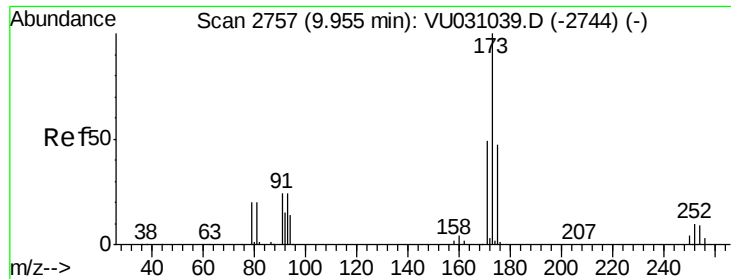
Tot Ion: 43 Resp: 16175
Ion Ratio Lower Upper
43 100
58 0.0 41.9 62.9#
57 8.5 14.3 21.5#
100 6.2 7.1 10.7#



#49
Dibromochloromethane
Concen: 3.367 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031058.D
Acq: 11 Apr 2019 10:43

Tgt Ion: 129 Resp: 13208
Ion Ratio Lower Upper
129 100
127 78.5 54.5 101.3





#61

Bromoform

Concen: 0.653 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031058.D

Acq: 11 Apr 2019 10:43

Instrument :
MSVOA_U
ClientSampleId :
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Tot Ion:173 Resp: 1771

Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 4.6 7.3 10.9

