

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031060.D
 Acq On : 11 Apr 2019 11:31
 Operator : JC/SP
 Sample : K2341-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB723

Quant Time: Apr 12 03:12:37 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	450843	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	445651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205044	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	209225	51.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.98%
7) Chloroethane-d5	1.68	69	173530	56.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.62%
11) 1,1-Dichloroethene-d2	2.27	63	276721	38.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.04%
21) 2-Butanone-d5	4.17	46	338380	106.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.09%
24) Chloroform-d	4.64	84	344939	56.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.22%
26) 1,2-Dichloroethane-d4	5.30	65	232719	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
32) Benzene-d6	5.33	84	665564	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.32%
36) 1,2-Dichloropropane-d6	6.32	67	232858	52.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.46%
41) Toluene-d8	7.56	98	586830	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%
43) trans-1,3-Dichloropropene-	7.85	79	98475	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
47) 2-Hexanone-d5	8.31	63	200755	98.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	317895	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	227030	56.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

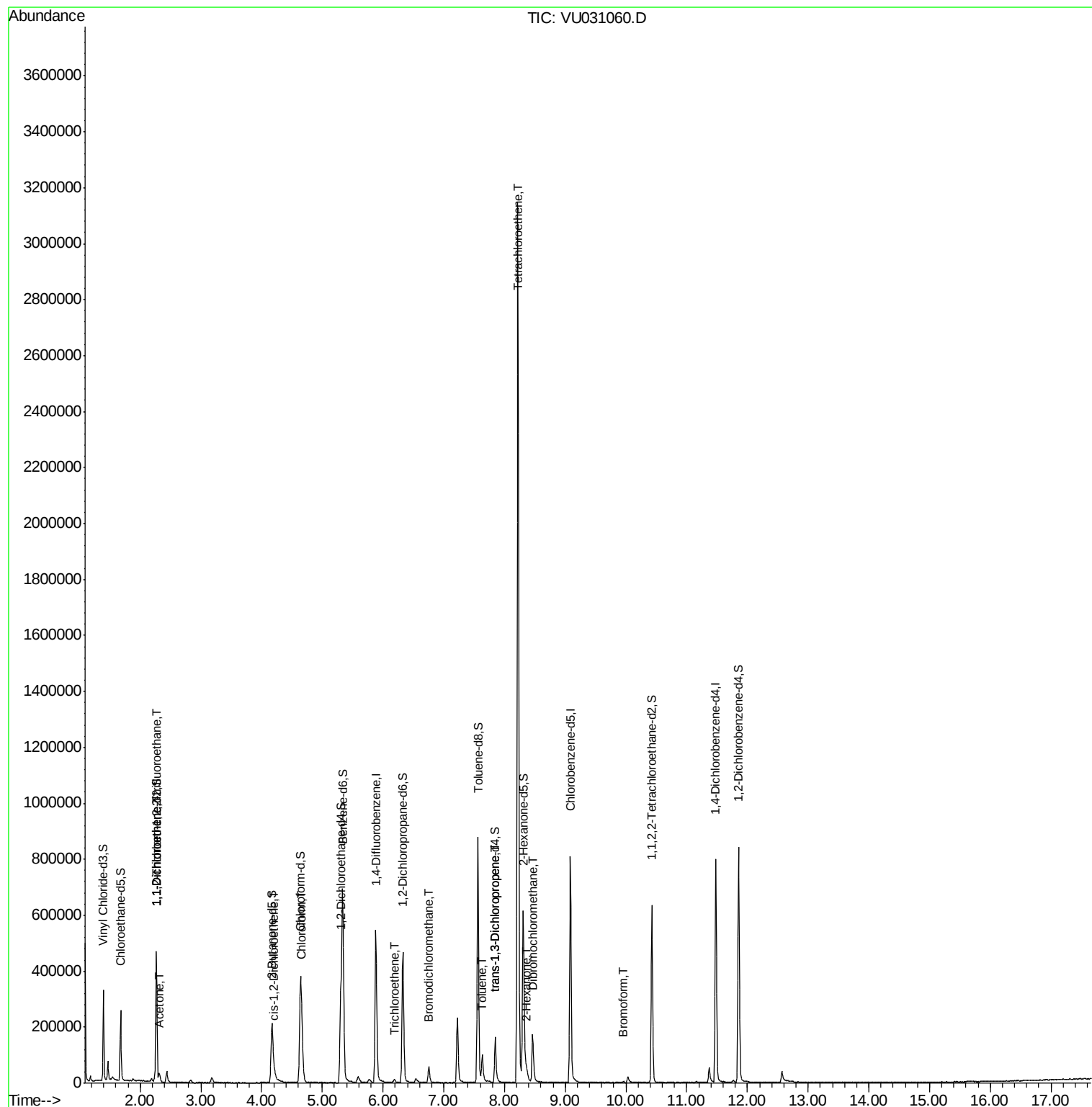
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2581	0.800	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	2050	0.658	ug/L #	1
13) Acetone	2.32	43	30882	9.462	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	4244	1.162	ug/L	67
25) Chloroform	4.67	83	119819	17.458	ug/L	100
34) Trichloroethene	6.19	95	3063	0.856	ug/L	95
38) Bromodichloromethane	6.76	83	40804	8.191	ug/L	92
42) Toluene	7.64	91	69614	4.676	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3740	0.722	ug/L #	49
46) Tetrachloroethene	8.22	164	696326	267.766	ug/L	98
48) 2-Hexanone	8.37	43	17408	3.360	ug/L #	44
49) Dibromochloromethane	8.47	129	15085	4.059	ug/L	95
61) Bromoform	9.96	173	2095	0.773	ug/L #	71

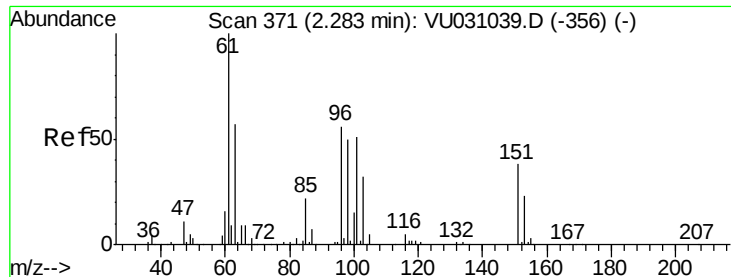
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.800 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

DB723

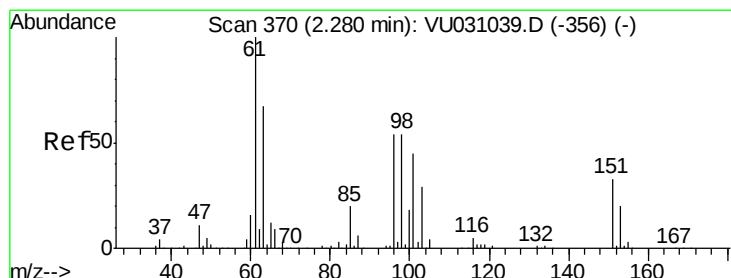
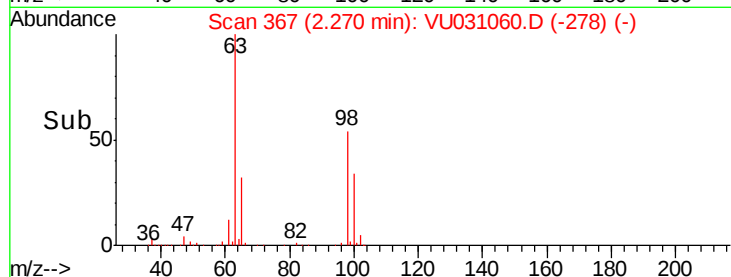
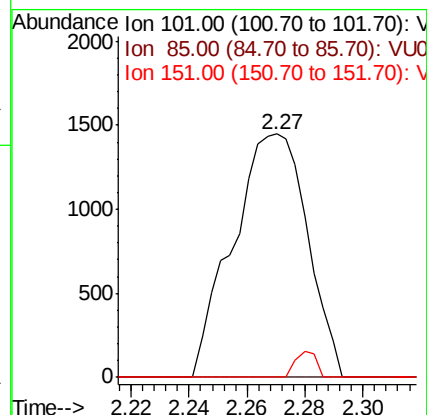
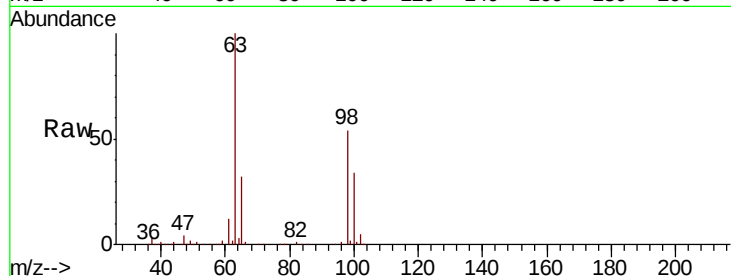
Tot Ion:101 Resp: 2581

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 3.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.658 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

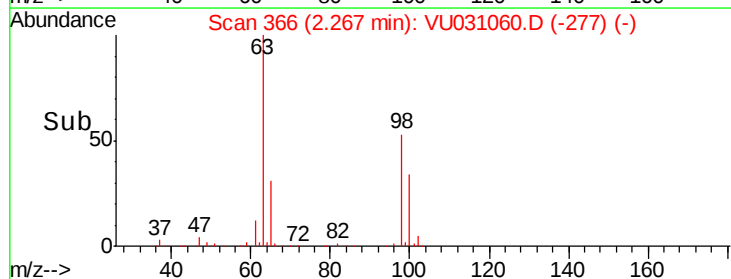
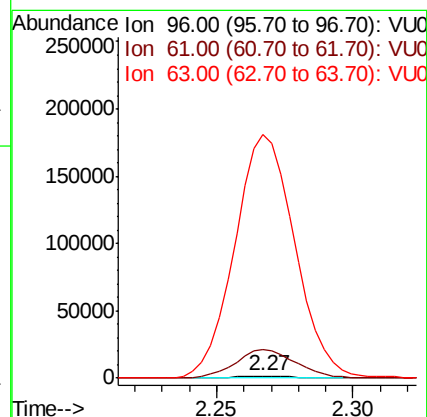
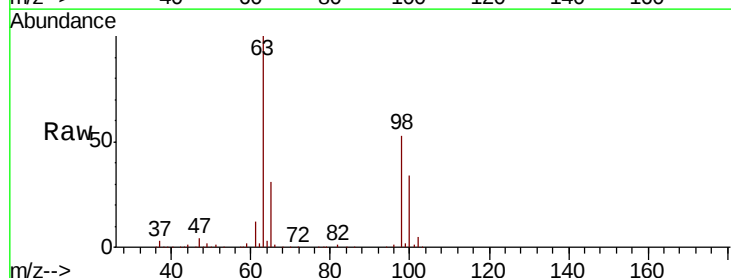
Tgt Ion: 96 Resp: 2050

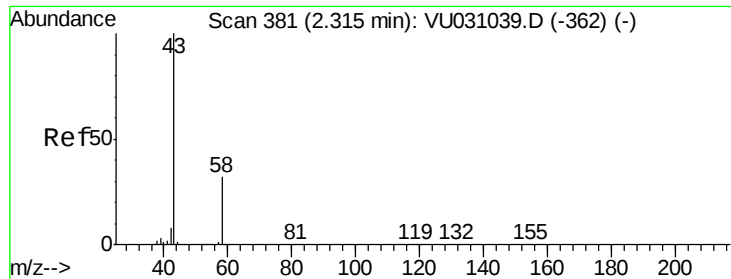
Ion Ratio Lower Upper

96 100

61 1693.1 132.0 245.2#

63 14124.0 90.9 168.9#





#13

Acetone

Concen: 9.462 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

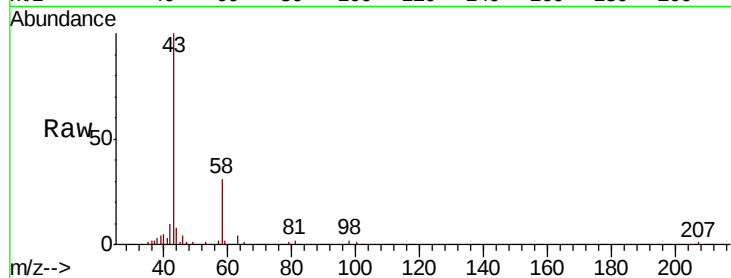
DB723

Tot Ion: 43 Resp: 30882

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.0



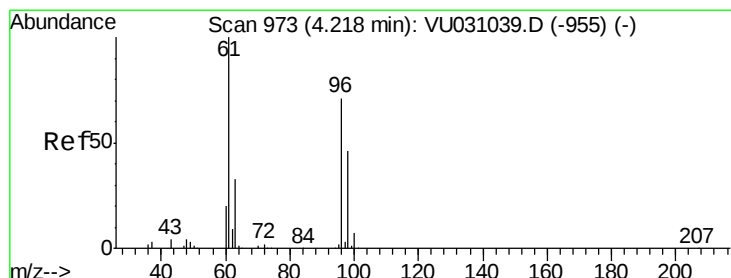
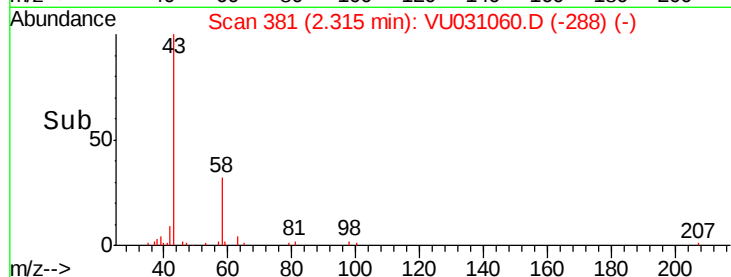
Abundance Ion 43.00 (42.70 to 43.70): VU031039.D (-362) (-)

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

2.32

2.25 2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.162 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

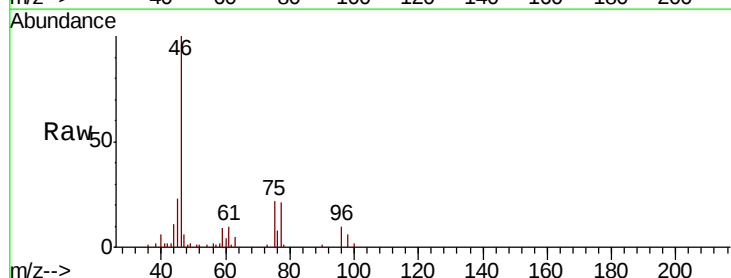
Tgt Ion: 96 Resp: 4244

Ion Ratio Lower Upper

96 100

61 105.4 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031039.D (-955) (-)

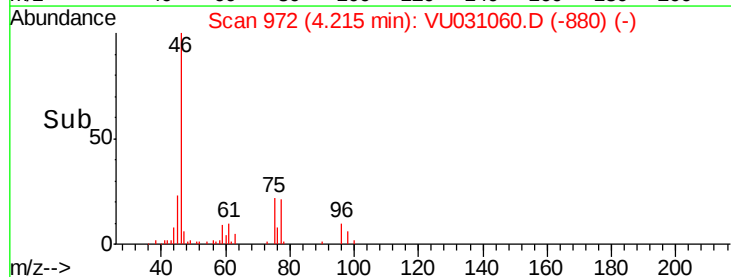
Ion 61.00 (60.70 to 61.70): VU031039.D (-955) (-)

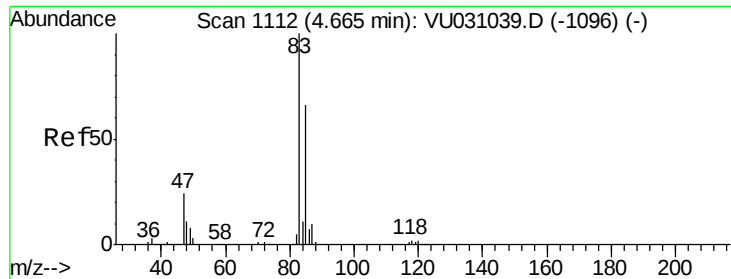
Ion 68.00 (67.70 to 68.70): VU031039.D (-955) (-)

4.22

4.15 4.20 4.25 4.30

Time-->





#25

Chloroform

Concen: 17.458 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampled :

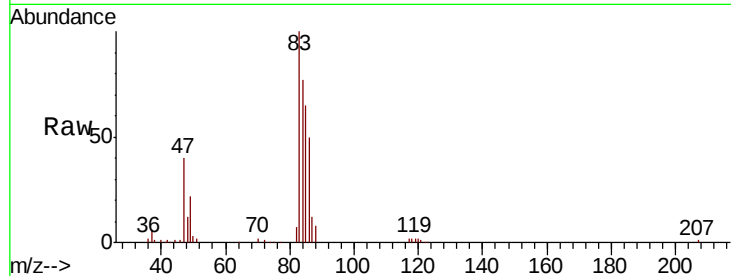
DB723

Tot Ion: 83 Resp: 119819

Ion Ratio Lower Upper

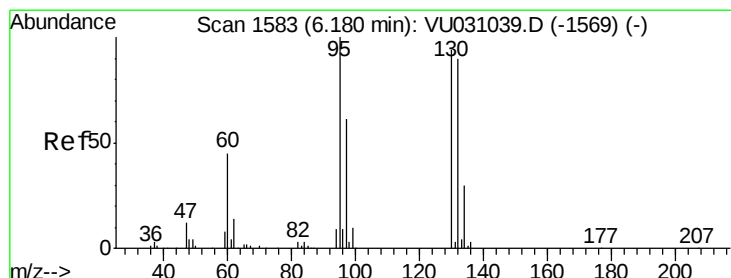
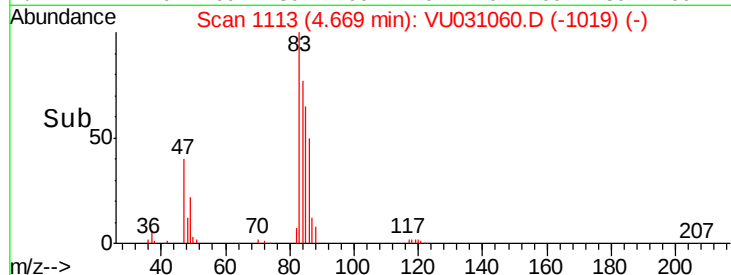
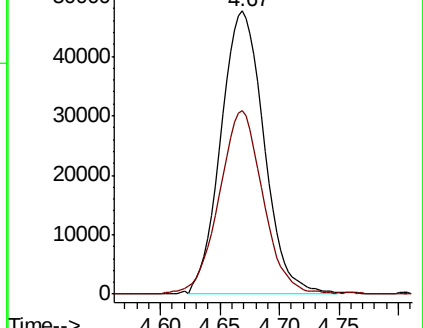
83 100

85 65.0 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) (-)



#34

Trichloroethene

Concen: 0.856 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Tgt Ion: 95 Resp: 3063

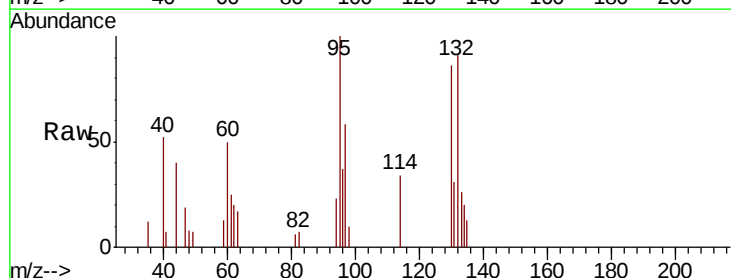
Ion Ratio Lower Upper

95 100

97 58.5 44.5 82.7

132 90.9 61.5 114.1

130 86.4 64.9 120.5

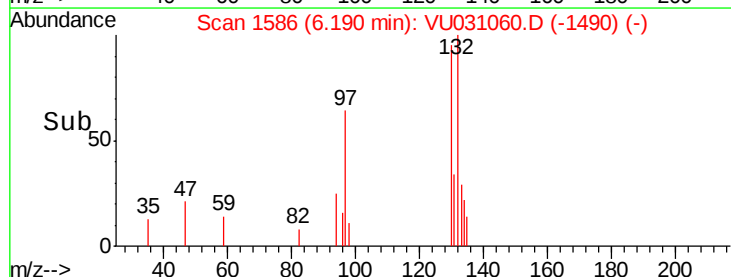
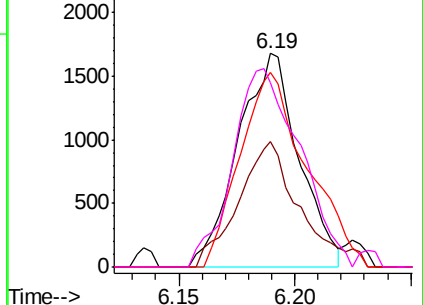


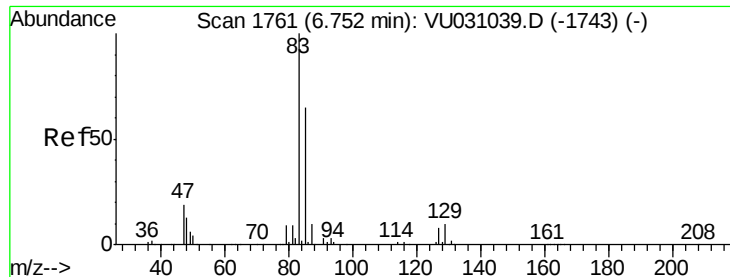
Abundance Ion 95.00 (94.70 to 95.70): VU031039.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031039.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031039.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031039.D (-1569) (-)





#38

Bromodichloromethane

Concen: 8.191 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

DB723

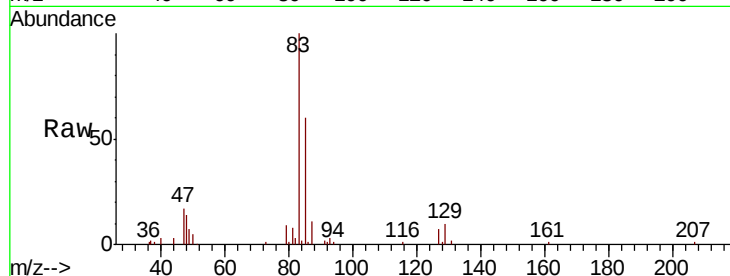
Tot Ion: 83 Resp: 40804

Ion Ratio Lower Upper

83 100

85 59.8 46.5 86.3

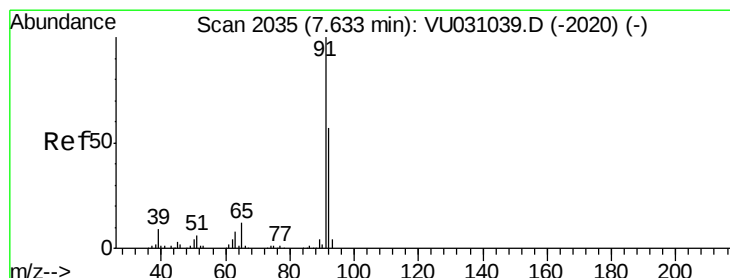
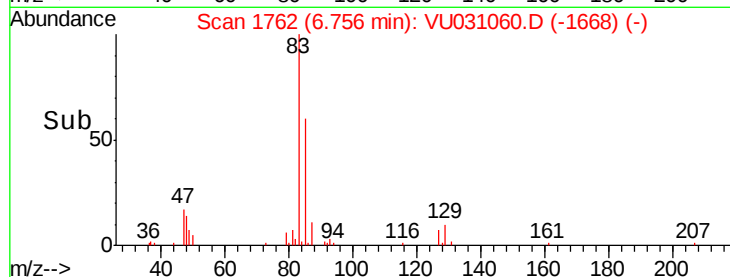
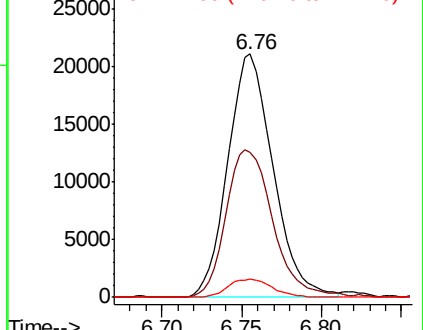
127 7.3 6.6 10.0



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) (-)



#42

Toluene

Concen: 4.676 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031060.D

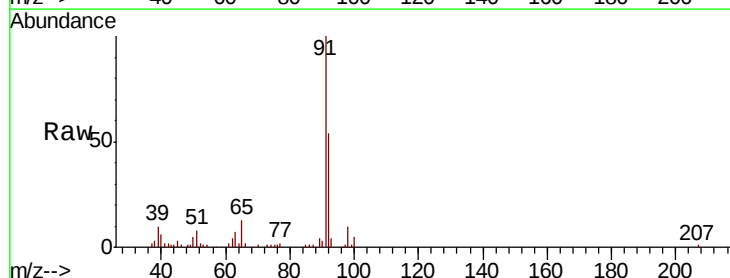
Acq: 11 Apr 2019 11:31

Tgt Ion: 91 Resp: 69614

Ion Ratio Lower Upper

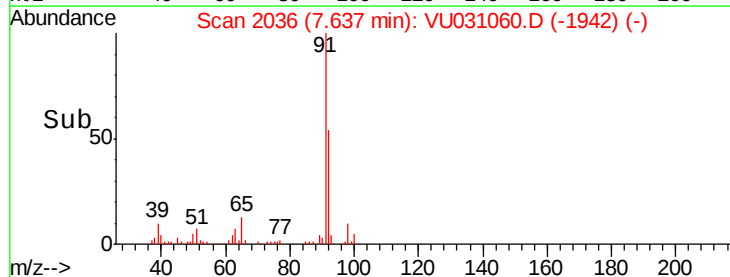
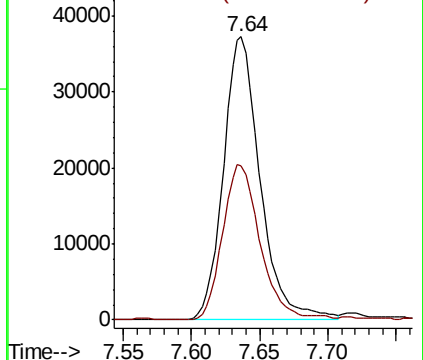
91 100

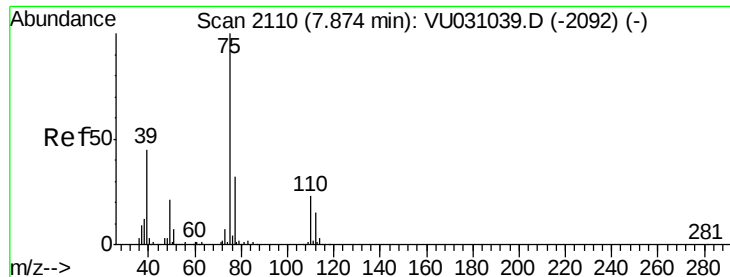
92 54.5 40.0 74.4



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: 0.722 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

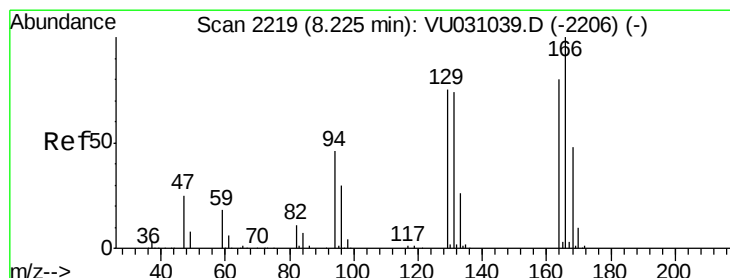
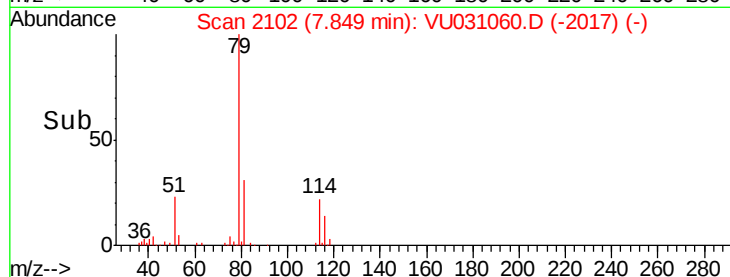
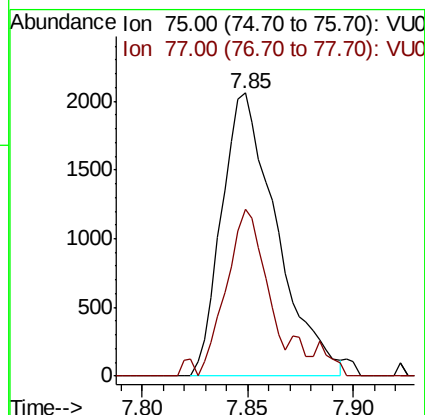
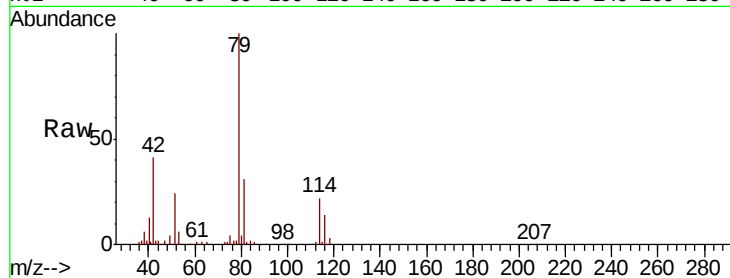
DB723

Tot Ion: 75 Resp: 3740

Ion Ratio Lower Upper

75 100

77 58.8 21.6 40.0#



#46

Tetrachloroethene

Concen: 267.766 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Tgt Ion: 164 Resp: 696326

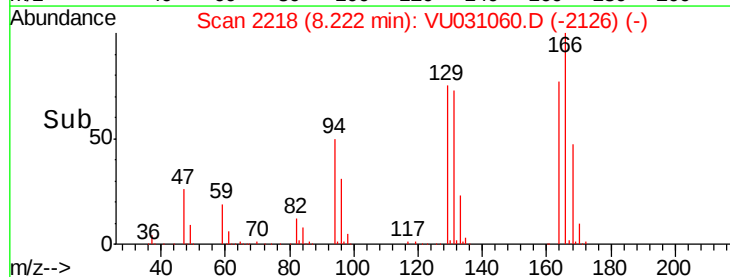
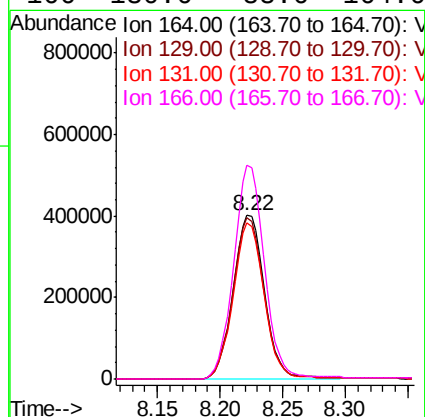
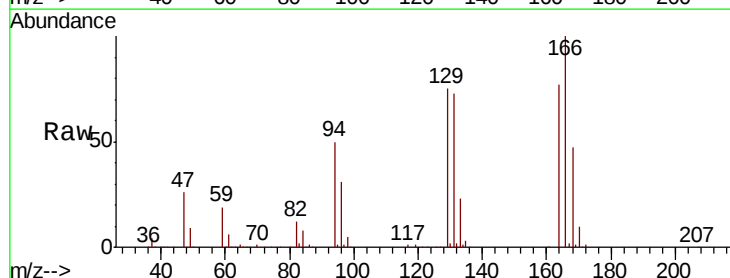
Ion Ratio Lower Upper

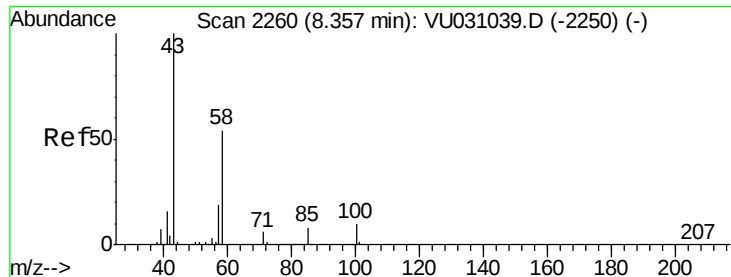
164 100

129 98.4 67.4 125.2

131 95.4 65.9 122.5

166 130.6 88.6 164.6

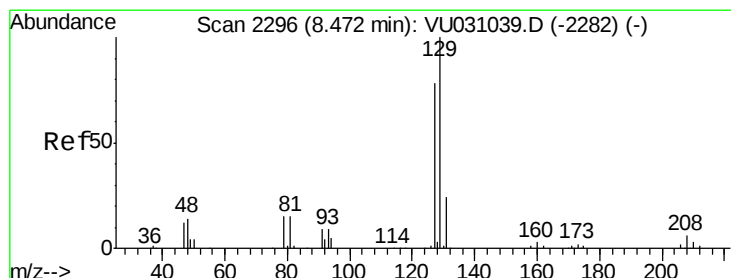
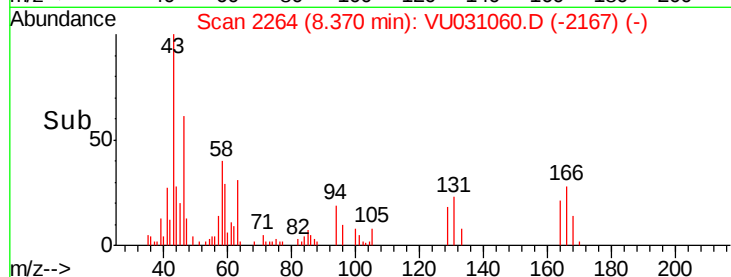
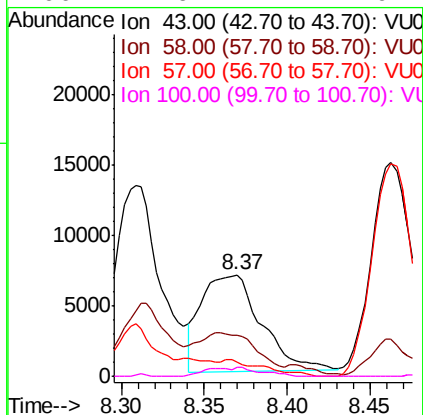
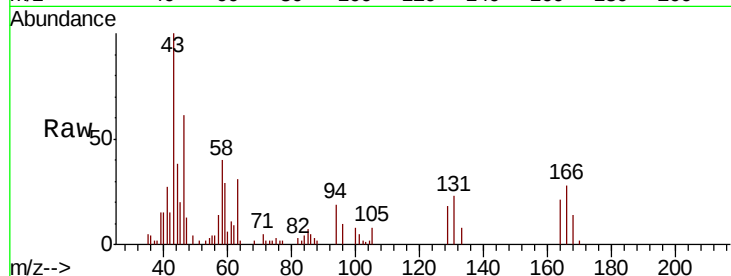




#48
2-Hexanone
Concen: 3.360 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031060.D
Acq: 11 Apr 2019 11:31

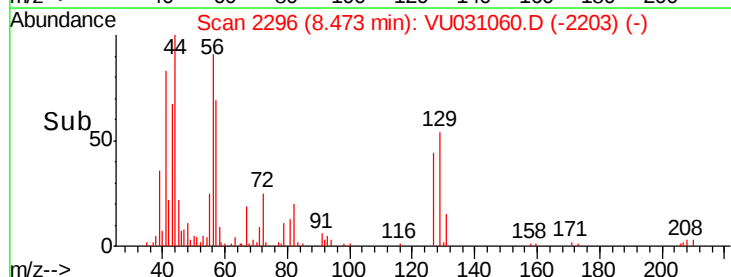
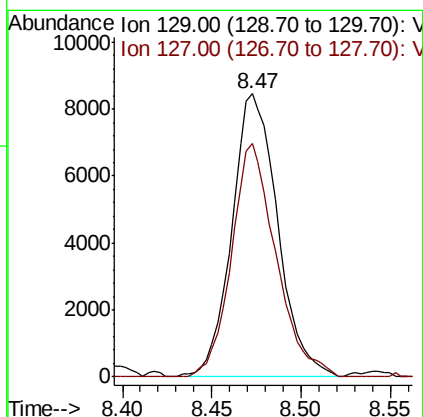
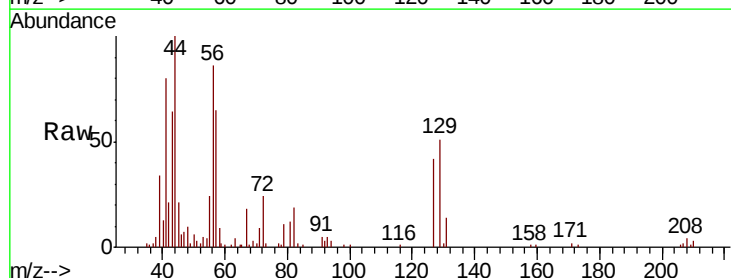
Instrument :
MSVOA_U
ClientSampleId :
DB723

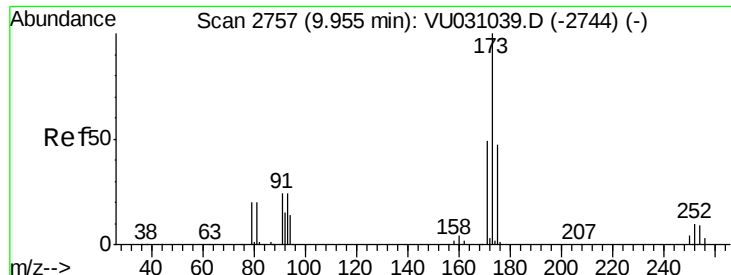
Tot Ion	Ratio	Lower	Upper
43	100		
58	3.8	41.9	62.9#
57	1.6	14.3	21.5#
100	1.6	7.1	10.7#



#49
Dibromochloromethane
Concen: 4.059 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031060.D
Acq: 11 Apr 2019 11:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.6	54.5	101.3





#61

Bromoform

Concen: 0.773 ug/L

RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VU031060.D

Acq: 11 Apr 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

DB723

Tot Ion:173 Resp: 2095

Ion Ratio Lower Upper

173 100

175 27.7 39.1 58.7#

254 3.7 7.3 10.9#

