

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031045.D
 Acq On : 11 Apr 2019 05:46
 Operator : JC/SP
 Sample : K2299-25
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB705

Quant Time: Apr 11 08:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 08:09:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	513242	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	499958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	221335	50.00	ug/L	0.00

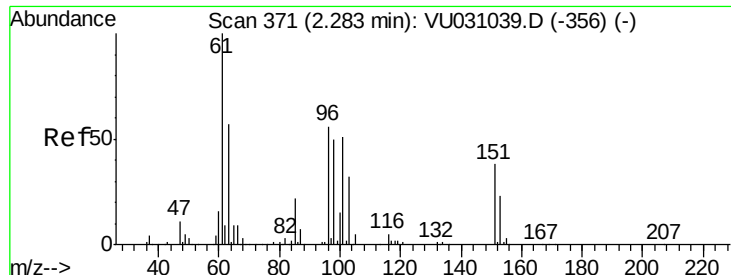
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	222789	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.26%
7) Chloroethane-d5	1.68	69	183214	52.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.38%
11) 1,1-Dichloroethene-d2	2.27	63	317814	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.70%
21) 2-Butanone-d5	4.17	46	383700	105.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.67%
24) Chloroform-d	4.64	84	368651	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
26) 1,2-Dichloroethane-d4	5.31	65	252285	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.66%
32) Benzene-d6	5.33	84	757798	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
36) 1,2-Dichloropropane-d6	6.32	67	260378	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.12%
41) Toluene-d8	7.56	98	663126	51.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.52%
43) trans-1,3-Dichloropropene-	7.85	79	111926	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
47) 2-Hexanone-d5	8.31	63	233503	102.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	360140	53.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.76%
64) 1,2-Dichlorobenzene-d4	11.85	152	246711	56.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2818	0.767	ug/L #	22
13) Acetone	2.31	43	16350	4.400	ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	17390	4.181	ug/L	77
25) Chloroform	4.67	83	37534	4.804	ug/L	97
34) Trichloroethene	6.19	95	13631	3.397	ug/L	88
38) Bromodichloromethane	6.76	83	21689	3.881	ug/L	95
42) Toluene	7.64	91	43182	2.586	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4287	0.738	ug/L	86
46) Tetrachloroethene	8.22	164	20586	7.056	ug/L	95
48) 2-Hexanone	8.37	43	16412	2.824	ug/L #	72
49) Dibromochloromethane	8.48	129	14923	3.579	ug/L	98
61) Bromoform	9.96	173	1640	0.561	ug/L #	88
69) Naphthalene	13.75	128	8809	0.625	ug/L #	82

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



#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: VU031045.D

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Instrument :

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ClientSampleId :

DB705

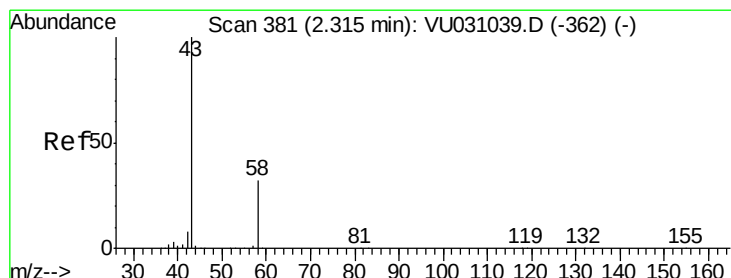
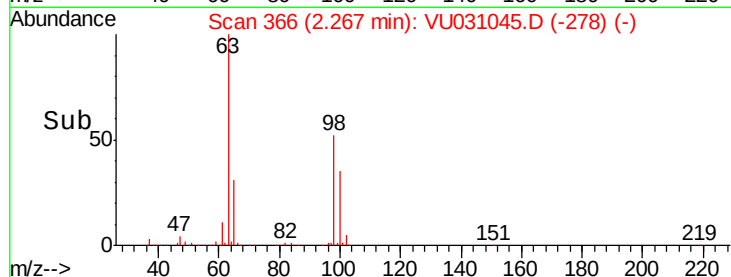
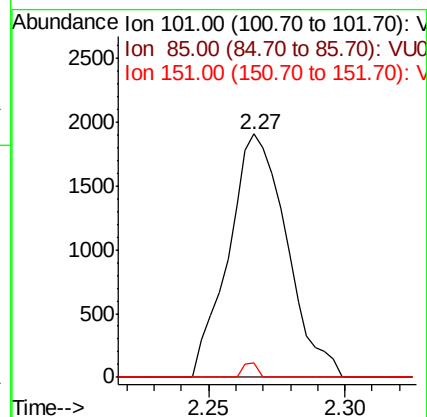
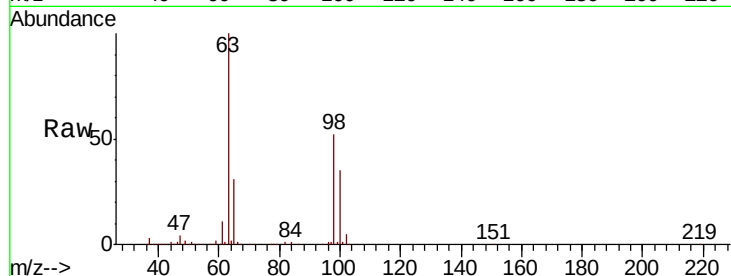
Tot Ion:101 Resp: 2818

Ion Ratio Lower Upper

101 100

85 1.6 36.8 55.2#

151 1.5 57.4 86.0#



#13

Acetone

Concen: 4.400 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU031045.D

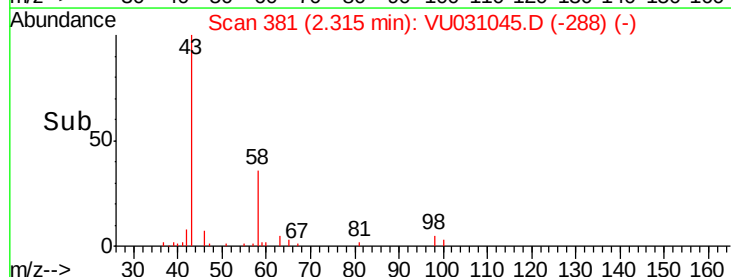
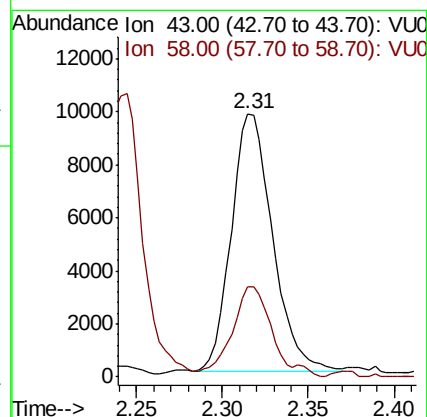
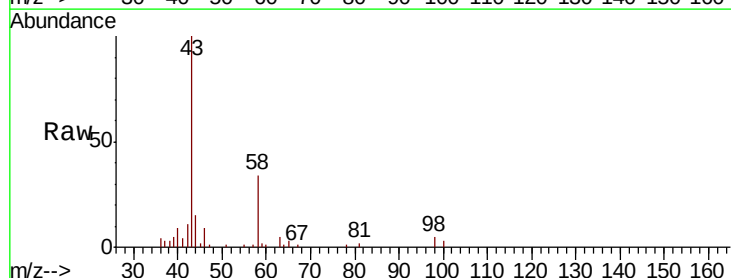
Acq: 11 Apr 2019 05:46

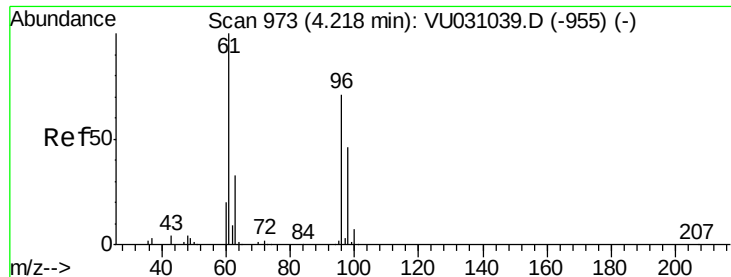
Tgt Ion: 43 Resp: 16350

Ion Ratio Lower Upper

43 100

58 28.3 0.0 64.0

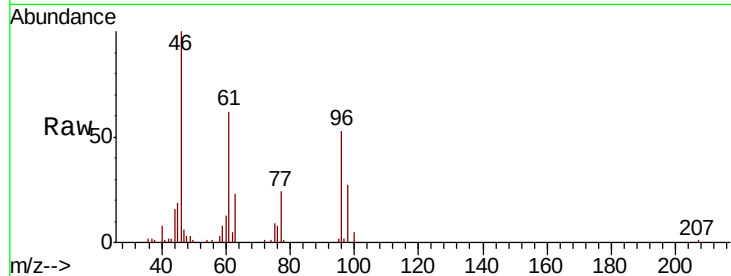




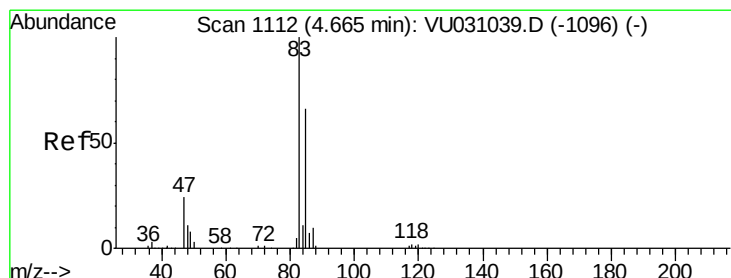
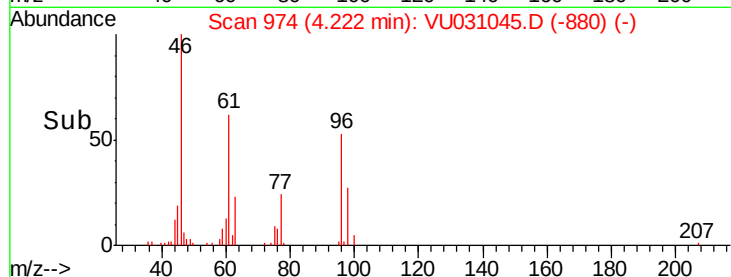
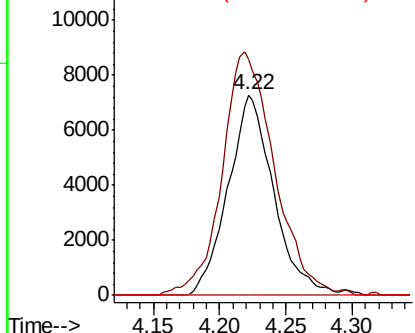
#20
 cis-1,2-Dichloroethene
 Concen: 4.181 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031045.D
 Acq: 11 Apr 2019 05:46

Instrument :
 MSVOA_U
 ClientSampleId :
 DB705

Tot Ion: 96 Resp: 17390
 Ion Ratio Lower Upper
 96 100
 61 117.9 102.9 191.1
 68 0.0 0.0 0.0

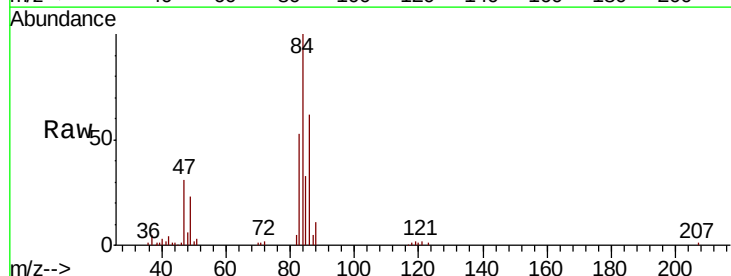


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

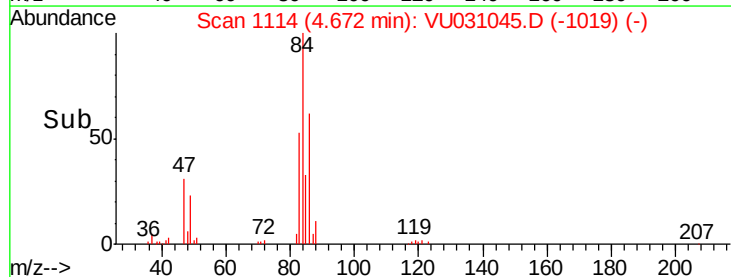
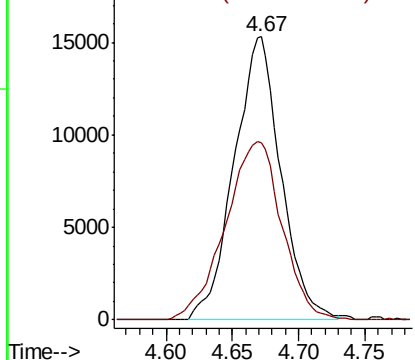


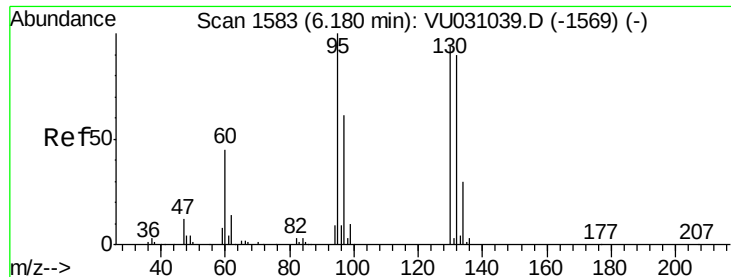
#25
 Chloroform
 Concen: 4.804 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VU031045.D
 Acq: 11 Apr 2019 05:46

Tgt Ion: 83 Resp: 37534
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 3.397 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Instrument :

MSVOA_U

ClientSampled :

DB705

Tot Ion: 95 Resp: 13631

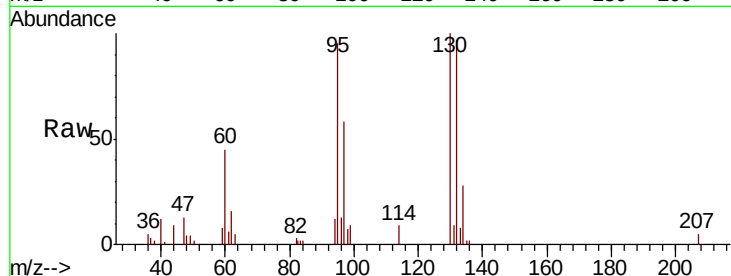
Ion Ratio Lower Upper

95 100

97 61.6 44.5 82.7

132 102.8 61.5 114.1

130 105.8 64.9 120.5



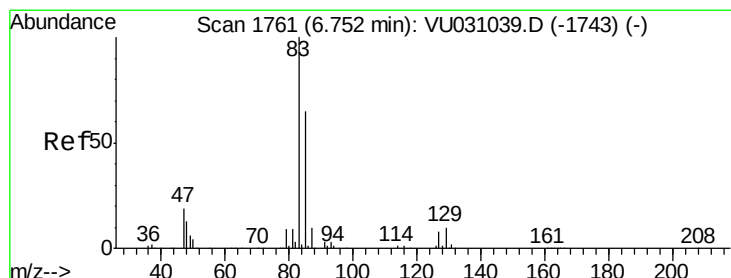
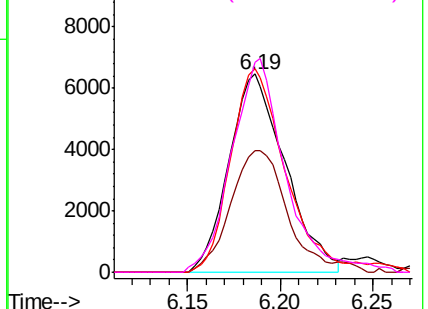
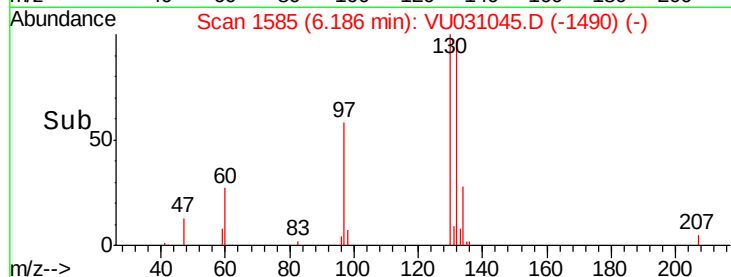
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#38

Bromodichloromethane

Concen: 3.881 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

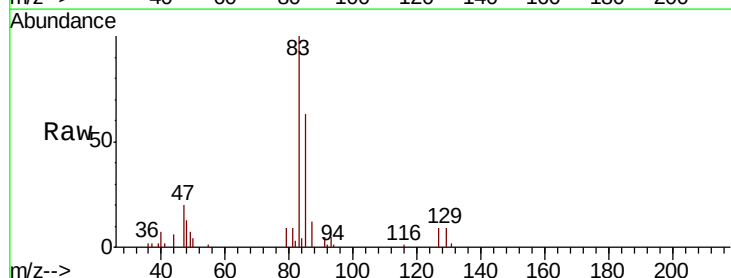
Tgt Ion: 83 Resp: 21689

Ion Ratio Lower Upper

83 100

85 62.6 46.5 86.3

127 9.4 6.6 10.0

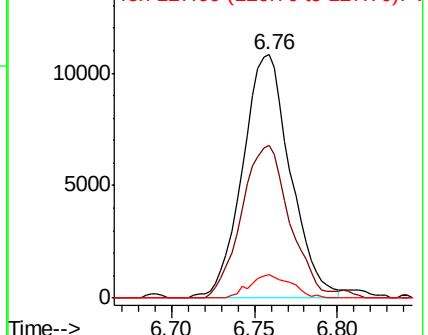
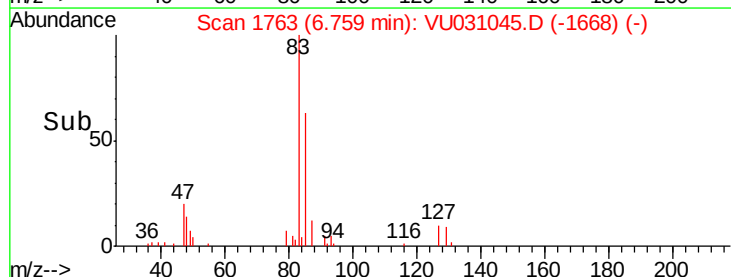


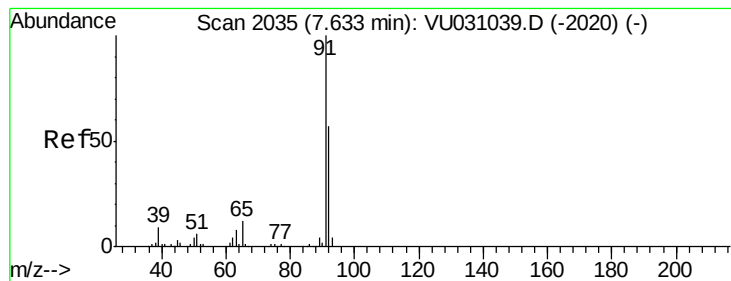
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#42

Toluene

Concen: 2.586 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Instrument :

MSVOA_U

ClientSampleId :

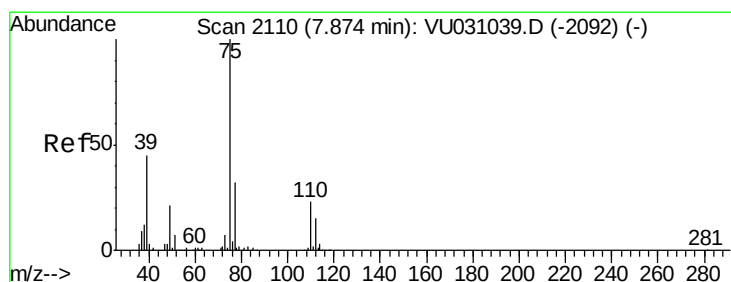
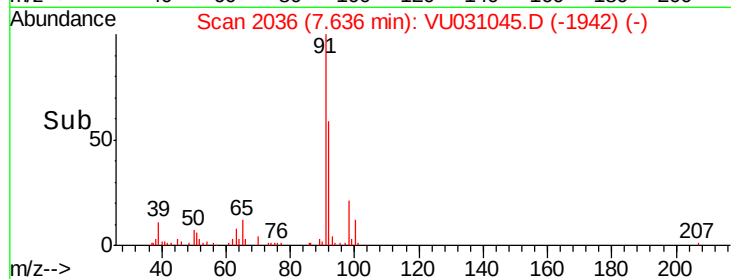
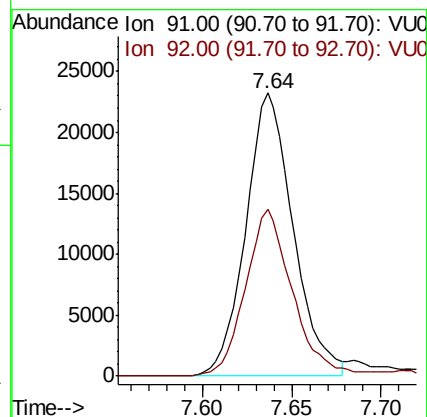
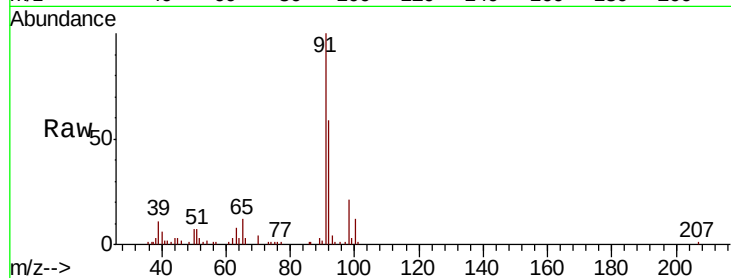
DB705

Tot Ion: 91 Resp: 43182

Ion Ratio Lower Upper

91 100

92 59.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.738 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031045.D

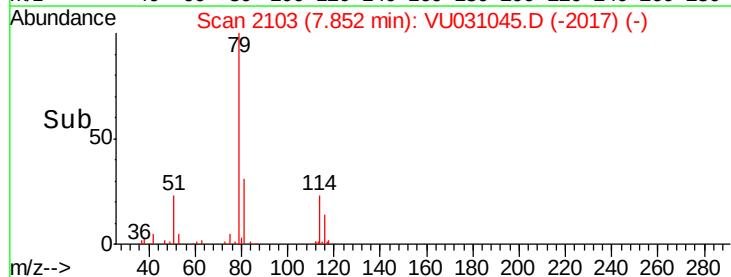
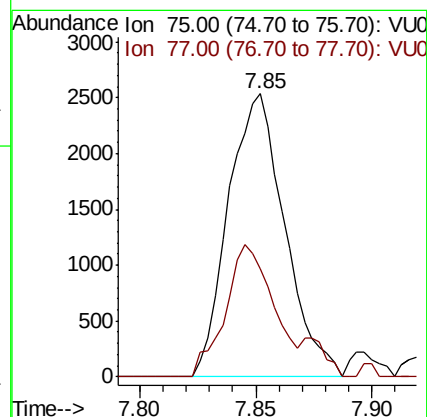
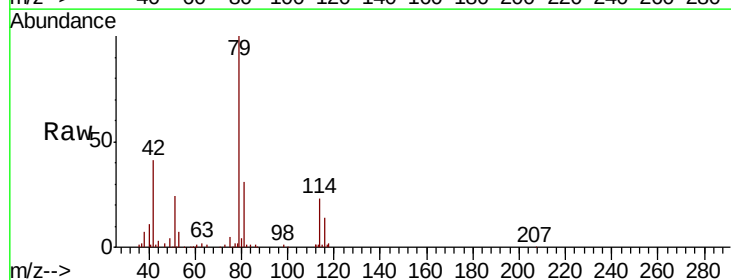
Acq: 11 Apr 2019 05:46

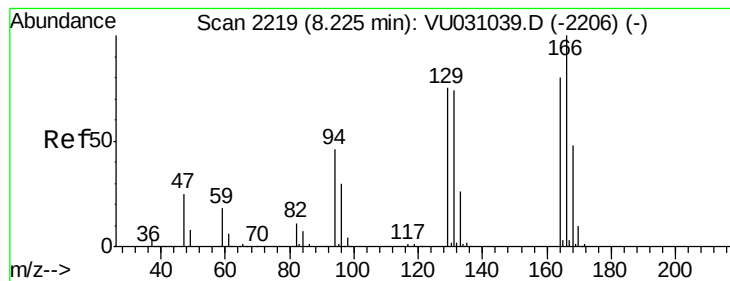
Tgt Ion: 75 Resp: 4287

Ion Ratio Lower Upper

75 100

77 38.2 21.6 40.0





#46

Tetrachloroethene

Concen: 7.056 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Instrument :

MSVOA_U

ClientSampleId :

DB705

Tot Ion:164 Resp: 20586

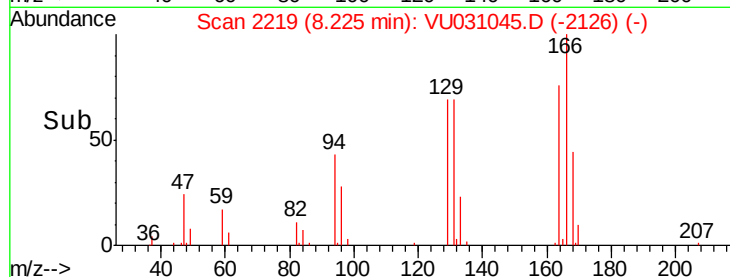
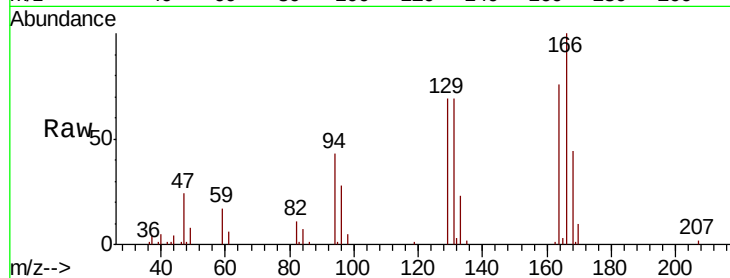
Ion Ratio Lower Upper

164 100

129 89.6 67.4 125.2

131 89.7 65.9 122.5

166 130.7 88.6 164.6

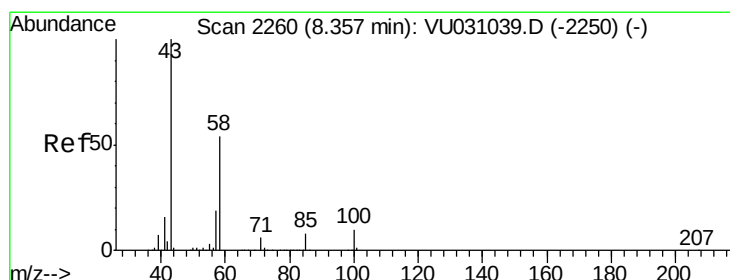
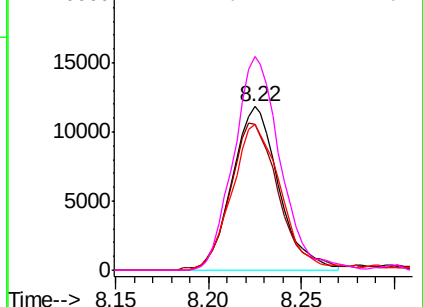


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.824 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Tgt Ion: 43 Resp: 16412

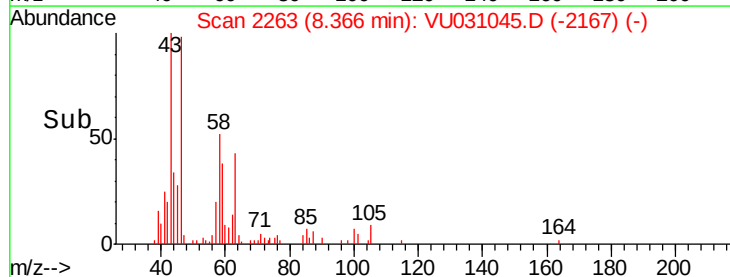
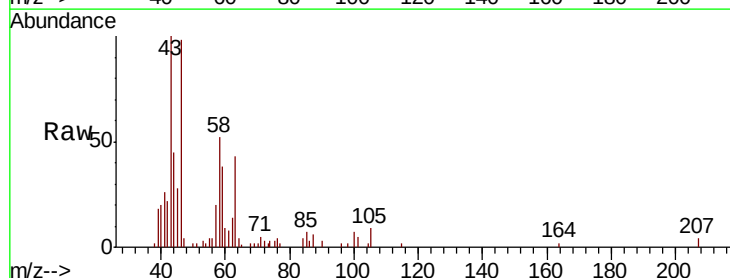
Ion Ratio Lower Upper

43 100

58 34.2 41.9 62.9#

57 0.0 14.3 21.5#

100 1.8 7.1 10.7#

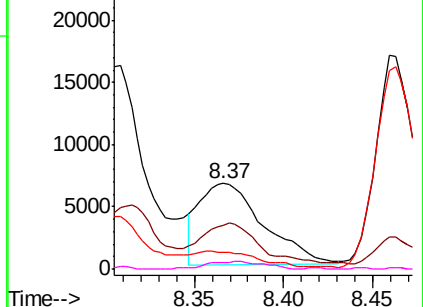


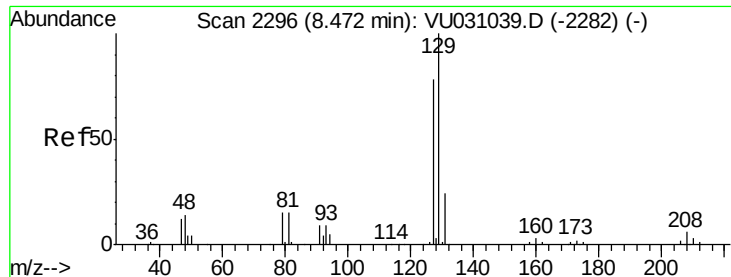
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#49

Dibromochloromethane

Concen: 3.579 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Instrument :

MSVOA_U

ClientSampleId :

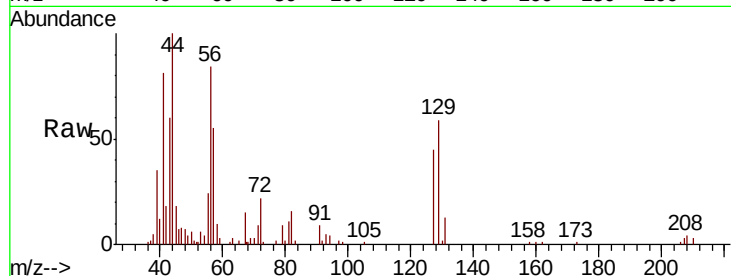
DB705

Tot Ion:129 Resp: 14923

Ion Ratio Lower Upper

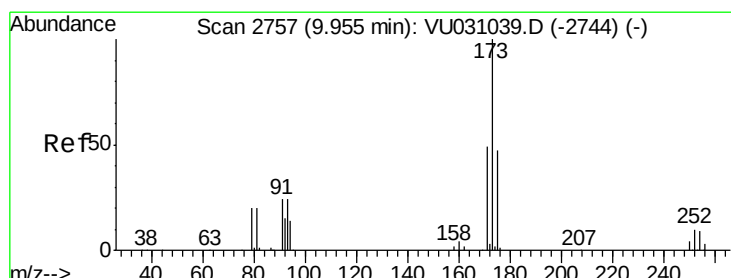
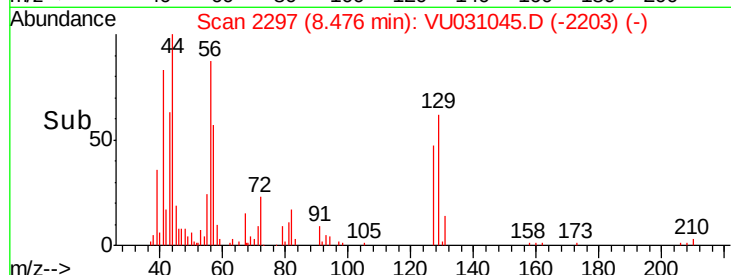
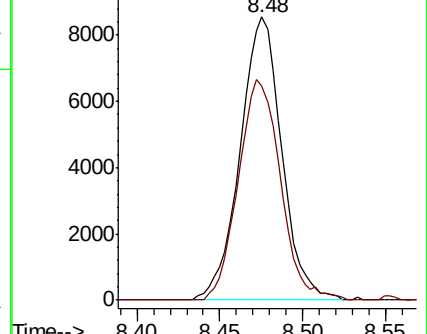
129 100

127 75.8 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

Bromoform

Concen: 0.561 ug/L

RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

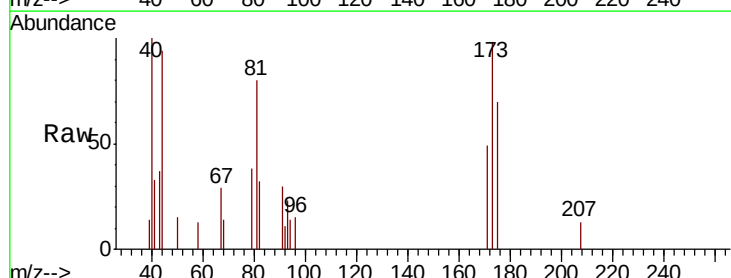
Tgt Ion:173 Resp: 1640

Ion Ratio Lower Upper

173 100

175 55.8 39.1 58.7

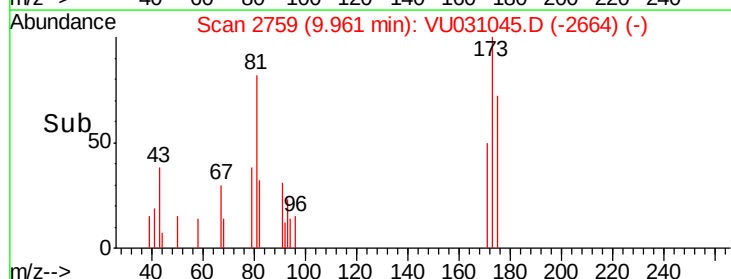
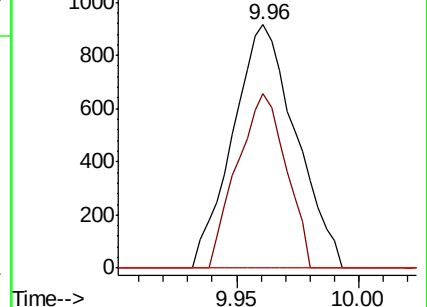
254 0.0 7.3 10.9#

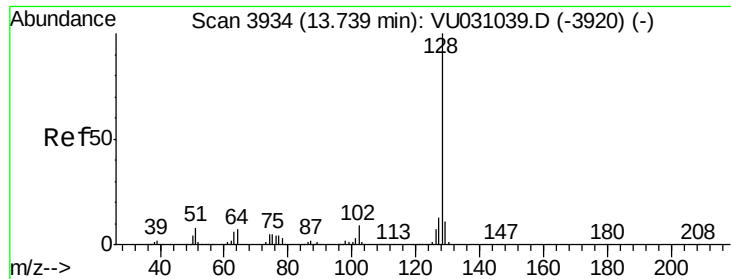


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#69

Naphthalene

Concen: 0.625 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031045.D

Acq: 11 Apr 2019 05:46

Instrument :

MSVOA_U

ClientSampleId :

DB705

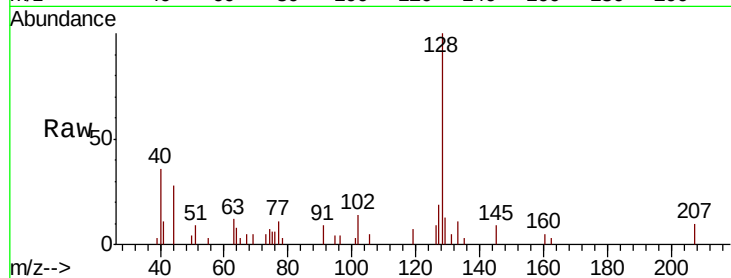
Tot Ion:128 Resp: 8809

Ion Ratio Lower Upper

128 100

127 7.9 10.4 15.6#

129 1.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

