

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051719\
 Data File : VU032134.D
 Acq On : 18 May 2019 05:51
 Operator : JC/SP
 Sample : K2860-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W36

Quant Time: May 18 06:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 18 05:45:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	353233	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	143162	5.00	ug/L	0.00

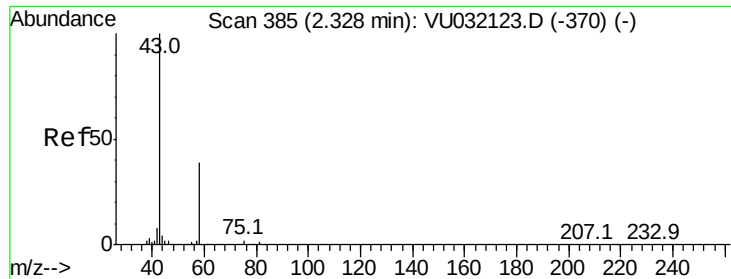
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107020	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.68	69	96890	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.27	63	155373	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.20	46	231127	39.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.14%
24) Chloroform-d	4.64	84	222094	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	109864	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.33	84	436271	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.33	67	127708	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.56	98	363018	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	7.85	79	42208	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.31	63	201346	38.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112406	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	141532	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.34	43	27751	14.471	ug/L	96
17) Methyl tert-butyl Ether	3.00	73	19695	0.591	ug/L #	96
18) trans-1,2-Dichloroethene	2.97	96	16338	1.076	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	38199	2.557	ug/L	86
23) Bromochloromethane	4.55	128	1446	0.226	ug/L #	71
34) Trichloroethene	6.18	95	131990	8.780	ug/L	92
38) Bromodichloromethane	6.75	83	48847	2.818	ug/L	96
47) Tetrachloroethene	8.22	164	53562	4.766	ug/L	98
49) Dibromochloromethane	8.47	129	46284	4.012	ug/L	94
61) Bromoform	9.95	173	8993	1.637	ug/L	98

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



#13

Acetone

Concen: 14.471 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Instrument :

MSVOA_U

ClientSampled :

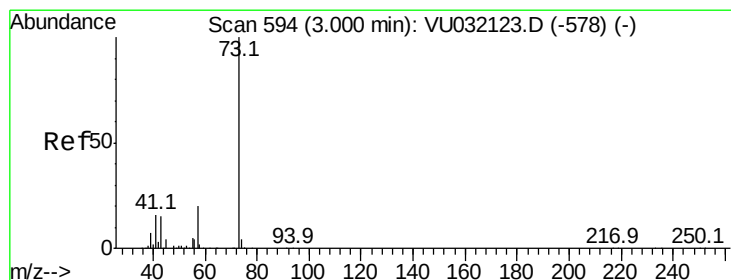
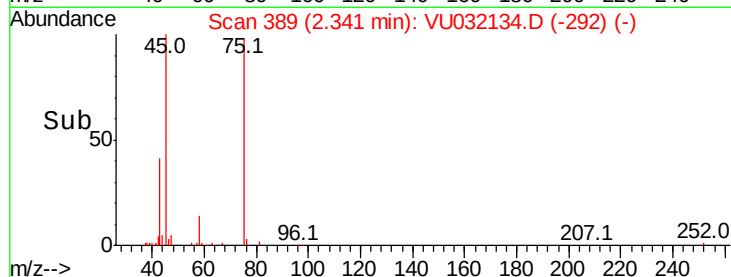
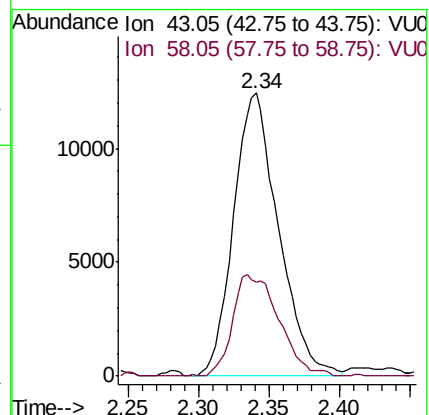
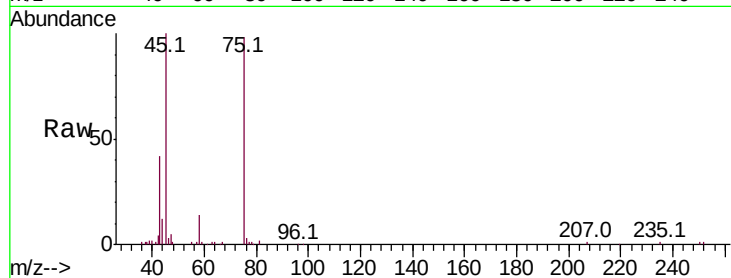
F9W36

Tot Ion: 43 Resp: 27751

Ion Ratio Lower Upper

43 100

58 36.8 0.0 78.8



#17

Methyl tert-butyl Ether

Concen: 0.591 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

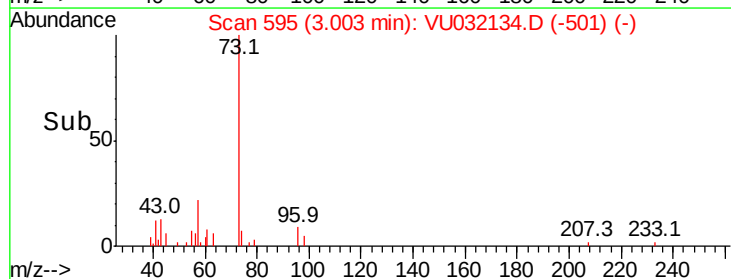
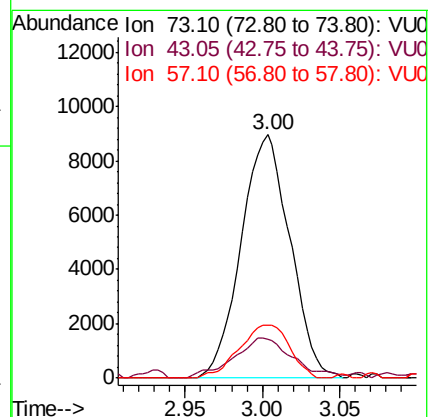
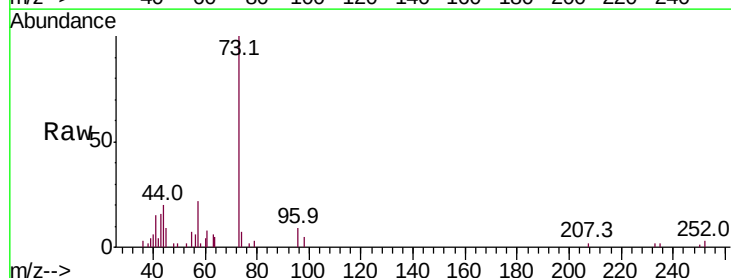
Tgt Ion: 73 Resp: 19695

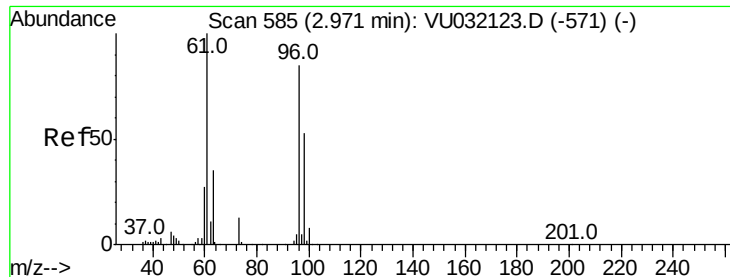
Ion Ratio Lower Upper

73 100

43 19.9 13.0 19.6#

57 22.5 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 1.076 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

F9W36

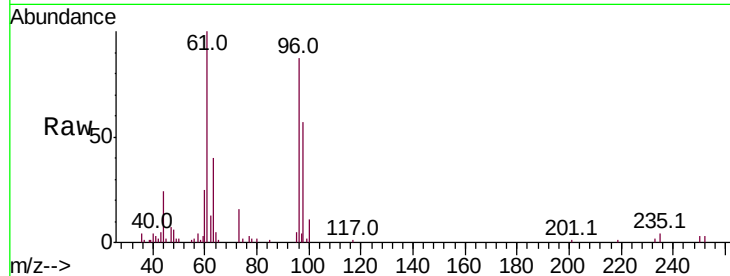
Tot Ion: 96 Resp: 16338

Ion Ratio Lower Upper

96 100

61 115.0 86.5 160.7

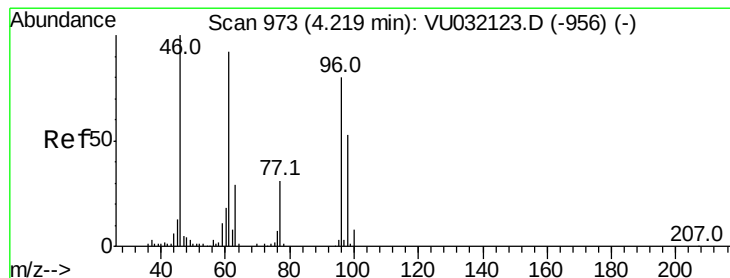
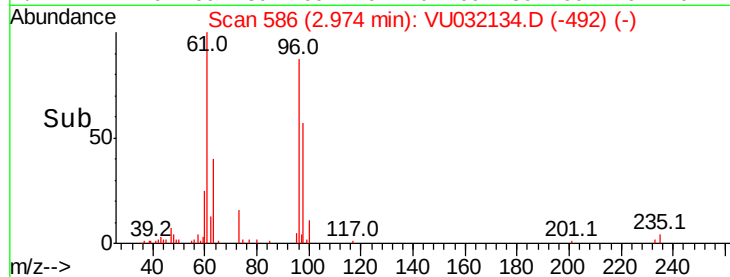
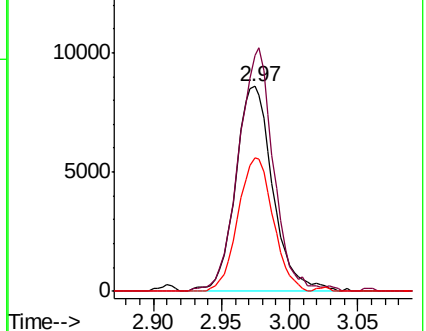
98 65.5 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.557 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

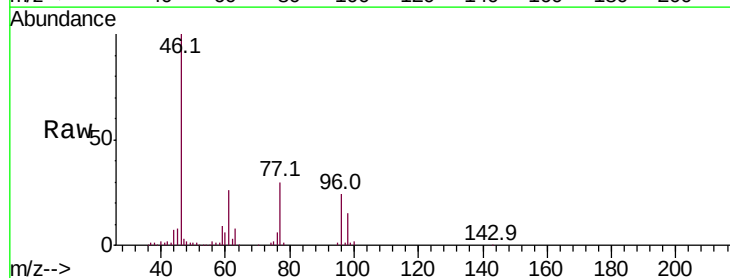
Tgt Ion: 96 Resp: 38199

Ion Ratio Lower Upper

96 100

61 107.3 85.8 159.4

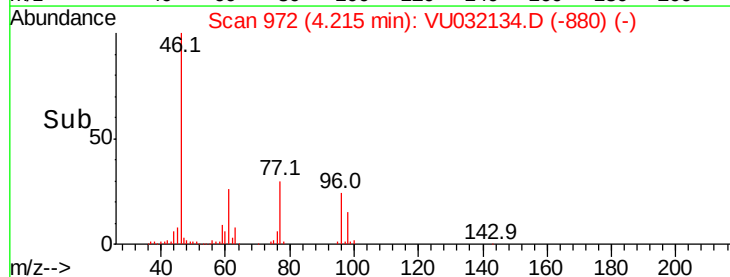
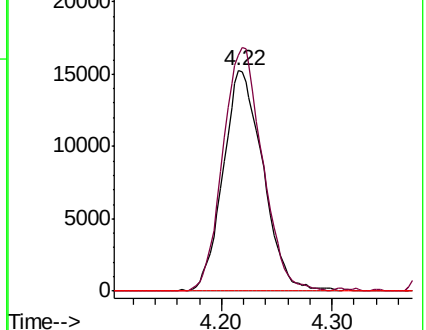
68 0.0 0.0 0.0

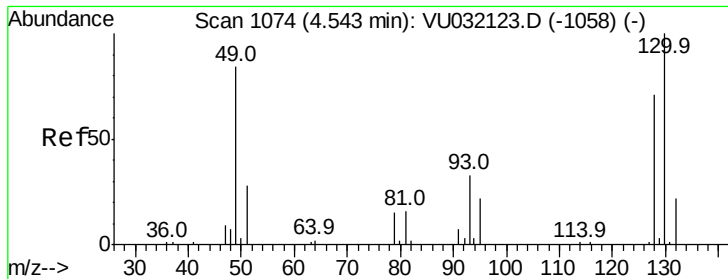


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#23

Bromochloromethane

Concen: 0.226 ug/L

RT: 4.55 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

F9W36

Tot Ion:128 Resp: 1446

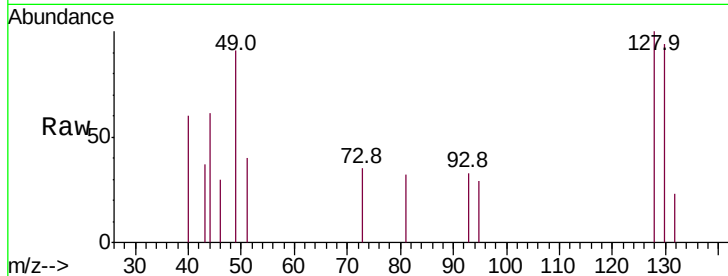
Ion Ratio Lower Upper

128 100

49 91.4 92.2 171.2#

130 93.7 90.3 167.7

51 40.0 35.3 52.9

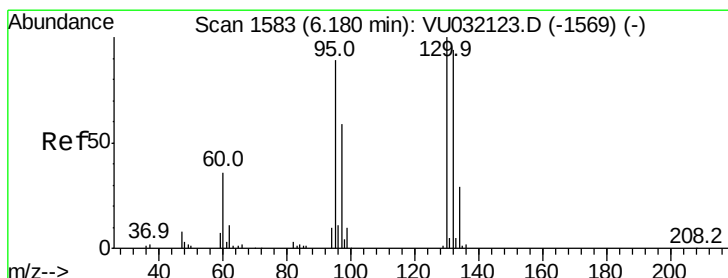
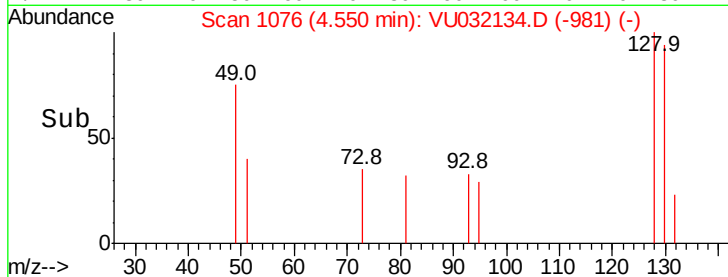
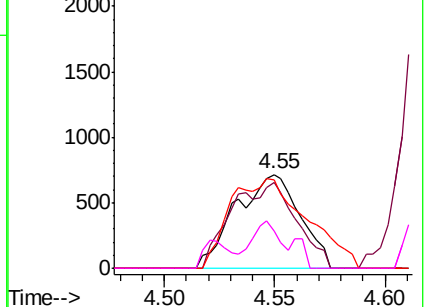


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#34

Trichloroethene

Concen: 8.780 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Tgt Ion: 95 Resp: 131990

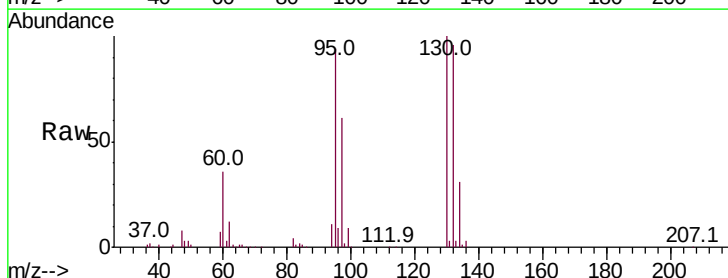
Ion Ratio Lower Upper

95 100

97 65.3 45.2 84.0

132 102.1 66.1 122.7

130 106.5 66.7 123.9

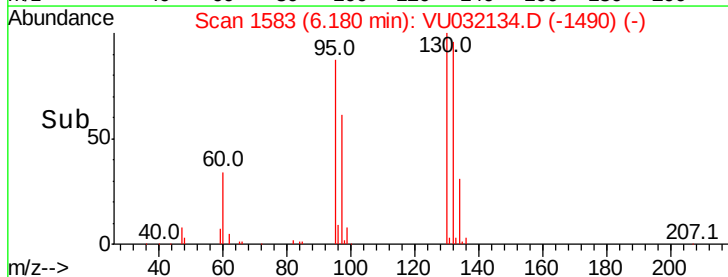
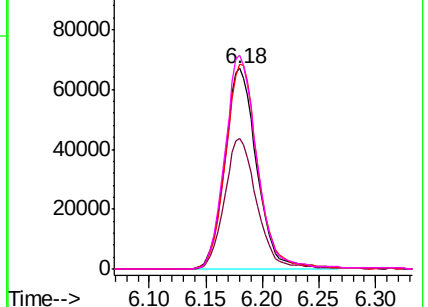


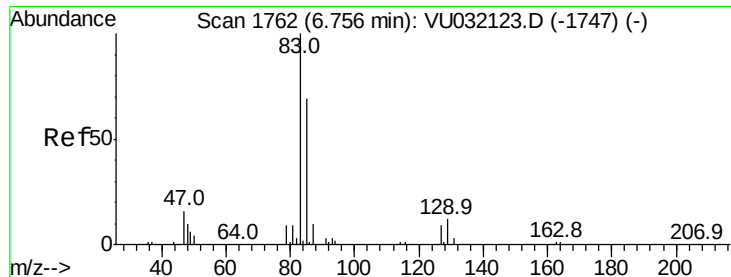
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#38

Bromodichloromethane

Concen: 2.818 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

F9W36

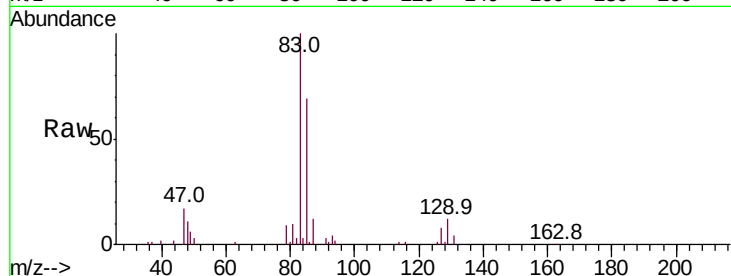
Tot Ion: 83 Resp: 48847

Ion Ratio Lower Upper

83 100

85 68.7 45.5 84.5

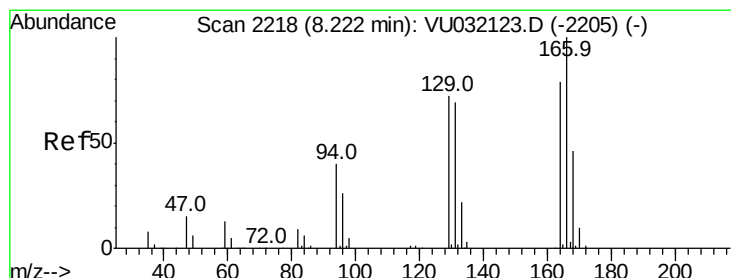
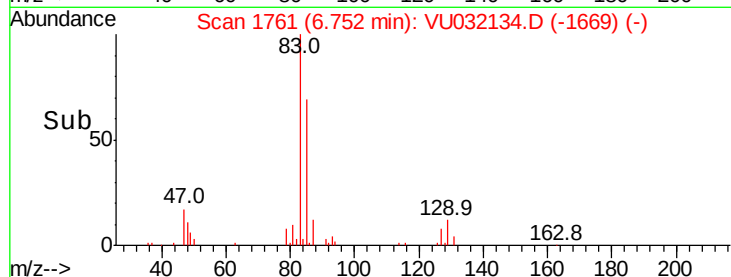
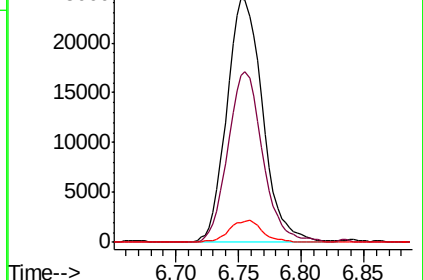
127 8.2 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU032123.D (-1747) (-)

Ion 85.00 (84.70 to 85.30): VU032123.D (-1747) (-)

Ion 126.90 (126.60 to 127.20): VU032123.D (-1747) (-)



#47

Tetrachloroethene

Concen: 4.766 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Tgt Ion: 164 Resp: 53562

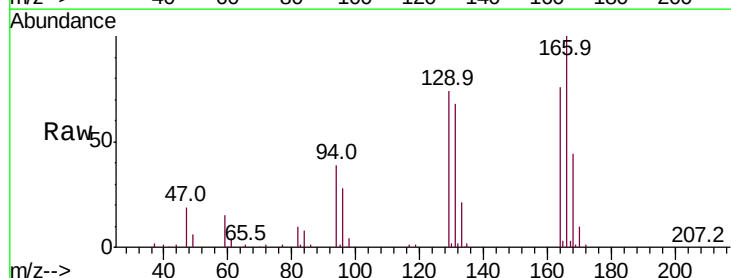
Ion Ratio Lower Upper

164 100

129 96.7 70.3 130.5

131 89.4 64.5 119.9

166 130.9 92.3 171.5

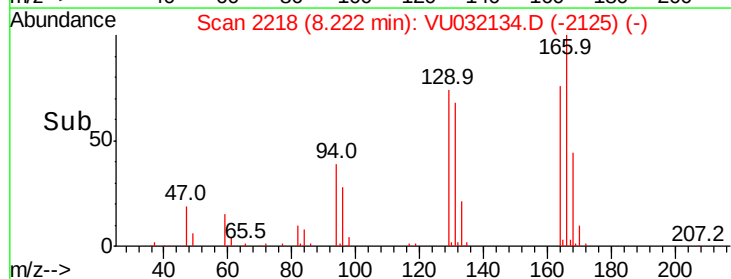
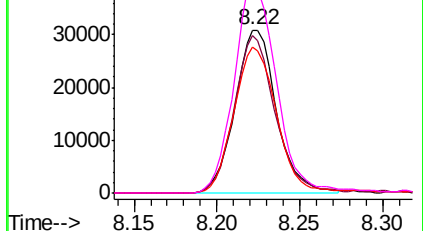


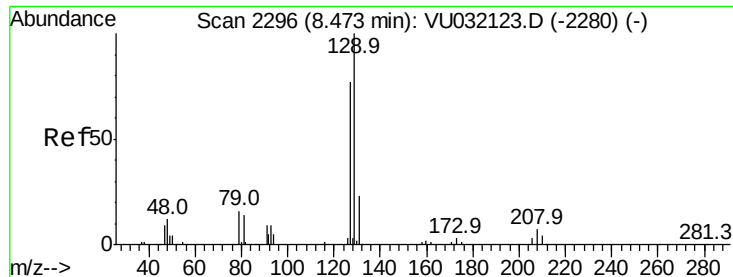
Abundance Ion 163.90 (163.60 to 164.20): VU032123.D (-2205) (-)

Ion 128.95 (128.65 to 129.25): VU032123.D (-2205) (-)

Ion 130.95 (130.65 to 131.25): VU032123.D (-2205) (-)

Ion 165.90 (165.60 to 166.20): VU032123.D (-2205) (-)





#49

Dibromochloromethane

Concen: 4.012 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

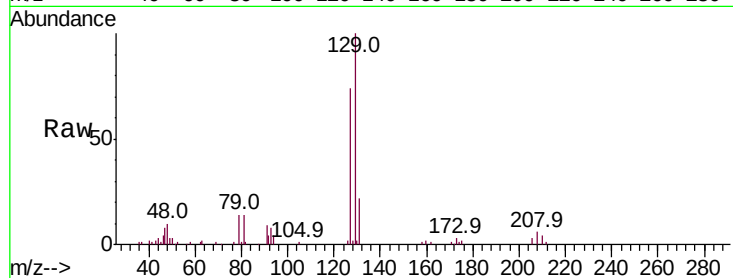
F9W36

Tot Ion:129 Resp: 46284

Ion Ratio Lower Upper

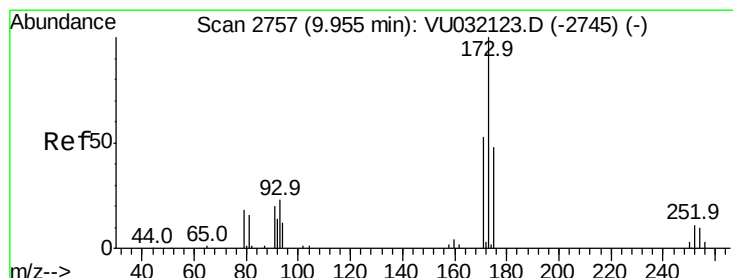
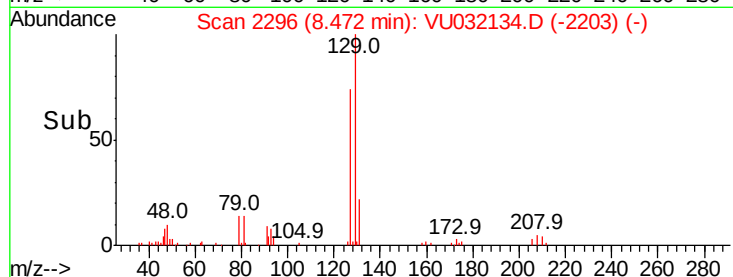
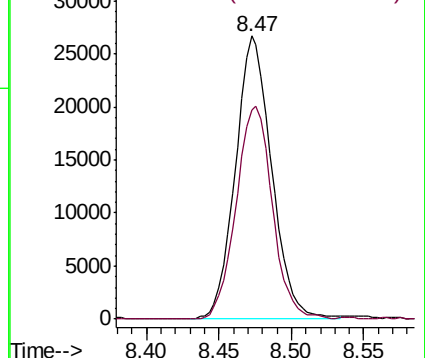
129 100

127 74.0 55.2 102.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#61

Bromoform

Concen: 1.637 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU032134.D

Acq: 18 May 2019 05:51

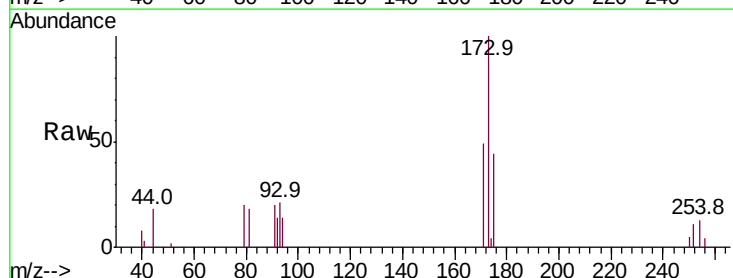
Tgt Ion:173 Resp: 8993

Ion Ratio Lower Upper

173 100

175 48.5 38.0 57.0

254 10.6 7.8 11.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

