

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032159.D
 Acq On : 20 May 2019 17:00
 Operator : JC/SP
 Sample : K2860-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W35

Quant Time: May 21 08:51:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 08:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	357522	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	145546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110276	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.68	69	94009	3.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.00%
11) 1,1-Dichloroethene-d2	2.27	63	154886	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.20	46	246399	41.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.34%
24) Chloroform-d	4.64	84	218037	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.31	65	109822	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	5.33	84	445098	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	6.33	67	131956	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.20%
41) Toluene-d8	7.56	98	357402	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	7.85	79	44469	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.31	63	210382	40.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112416	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	141293	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

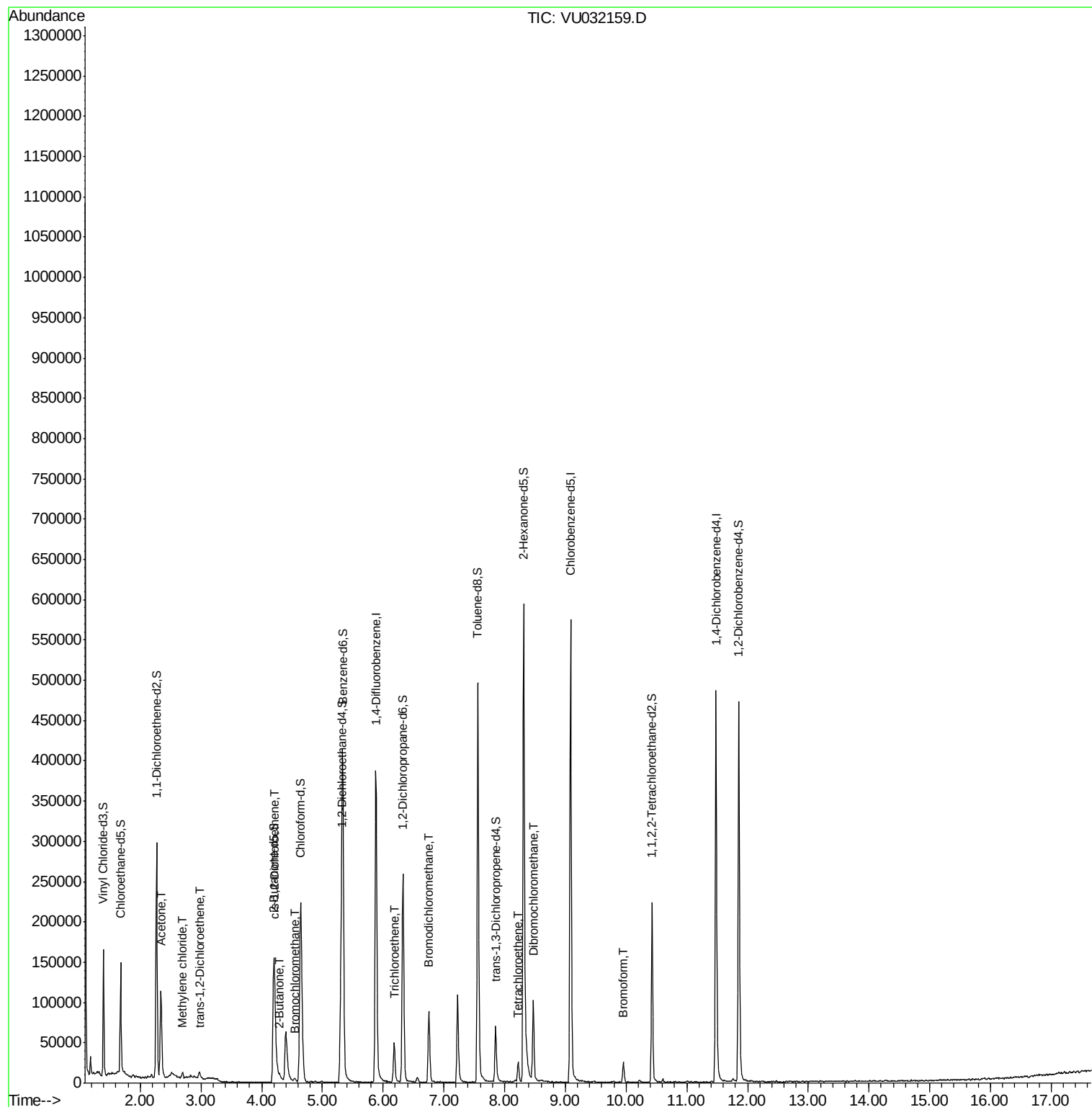
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.34	43	46402	23.906	ug/L	97
16) Methylene chloride	2.70	84	3183	0.186	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	3162	0.206	ug/L #	85
21) 2-Butanone	4.30	43	5503	1.975	ug/L #	66
22) cis-1,2-Dichloroethene	4.22	96	6424	0.425	ug/L	83
23) Bromochloromethane	4.55	128	1422	0.219	ug/L #	83
34) Trichloroethene	6.18	95	17677	1.178	ug/L	91
38) Bromodichloromethane	6.75	83	62293	3.600	ug/L	98
47) Tetrachloroethene	8.23	164	6705	0.598	ug/L	74
49) Dibromochloromethane	8.47	129	53179	4.617	ug/L	99
61) Bromoform	9.95	173	11953	2.140	ug/L	97

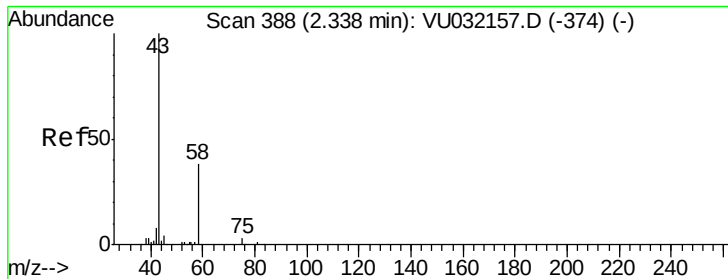
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 23.906 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

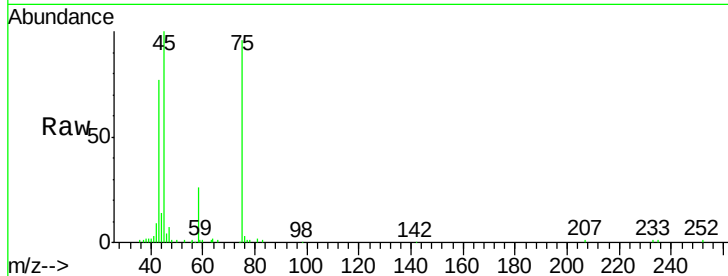
F9W35

Tot Ion: 43 Resp: 46402

Ion Ratio Lower Upper

43 100

58 37.9 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032157.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032157.D (-374) (-)

2.34

25000

20000

15000

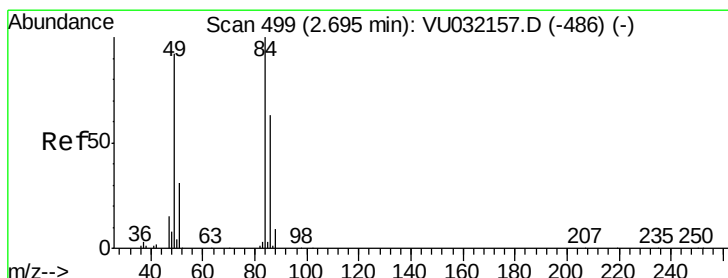
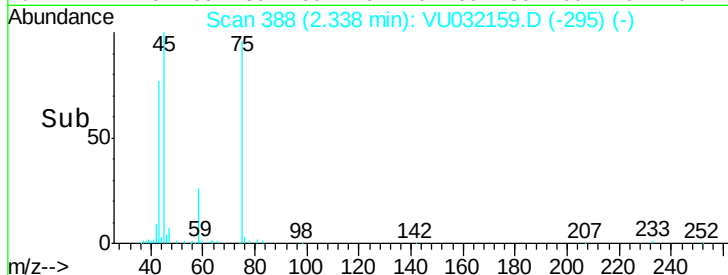
10000

5000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#16

Methylene chloride

Concen: 0.186 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

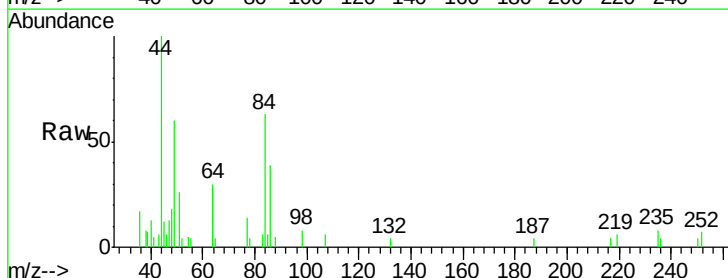
Tgt Ion: 84 Resp: 3183

Ion Ratio Lower Upper

84 100

86 62.6 43.1 80.1

49 95.5 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032157.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032157.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU032157.D (-486) (-)

2.70

2000

1500

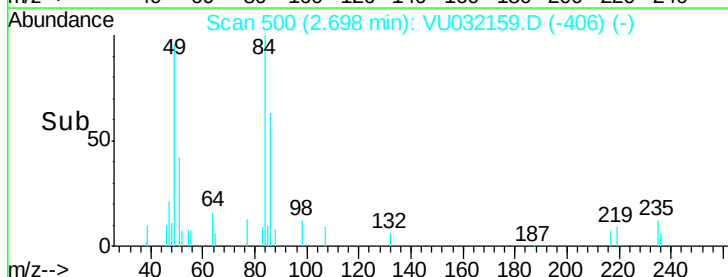
1000

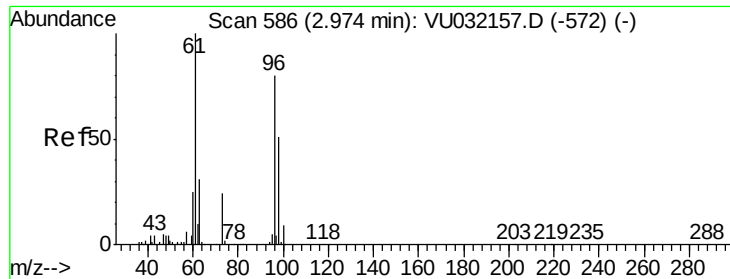
500

0

Time-->

2.65 2.70 2.75





#18

trans-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

F9W35

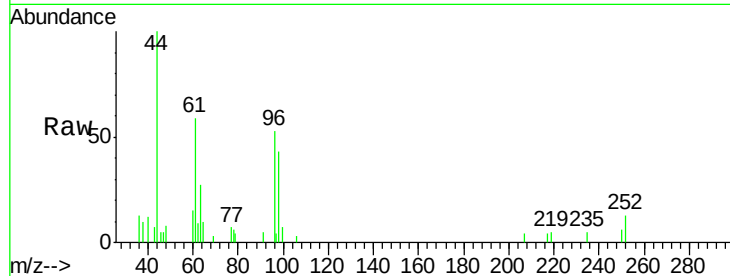
Tot Ion: 96 Resp: 3162

Ion Ratio Lower Upper

96 100

61 112.5 86.5 160.7

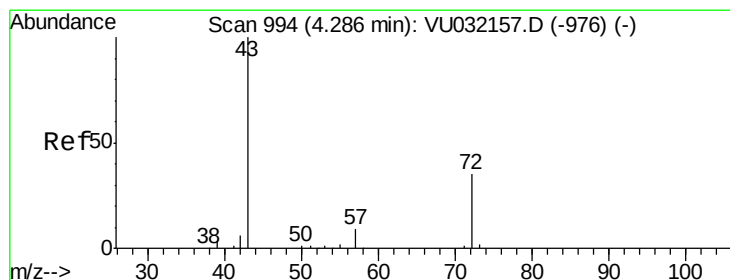
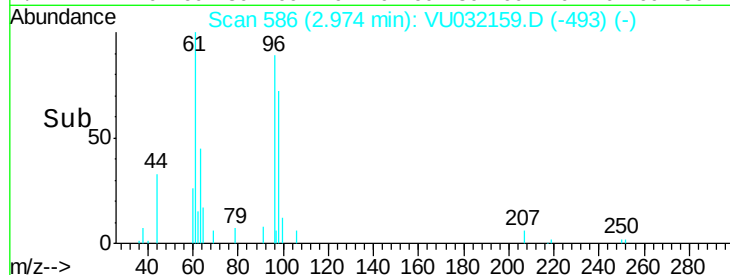
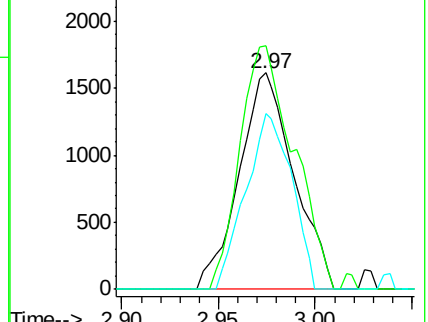
98 81.4 43.5 80.9#



Abundance Ion 96.00 (95.70 to 96.70): VU032157.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU032157.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU032157.D (-572) (-)



#21

2-Butanone

Concen: 1.975 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.01 min

Lab File: VU032159.D

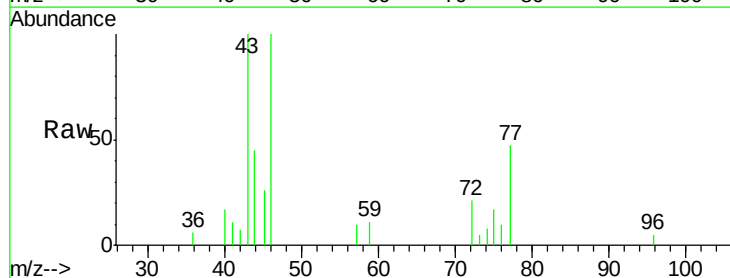
Acq: 20 May 2019 17:00

Tgt Ion: 43 Resp: 5503

Ion Ratio Lower Upper

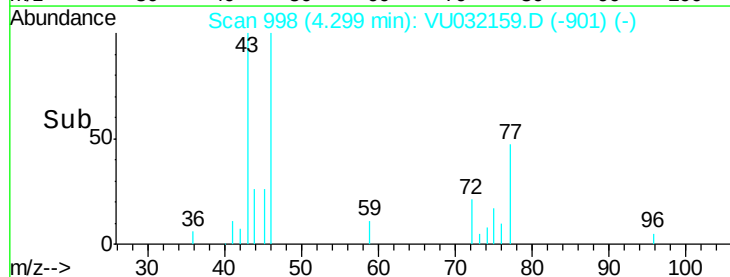
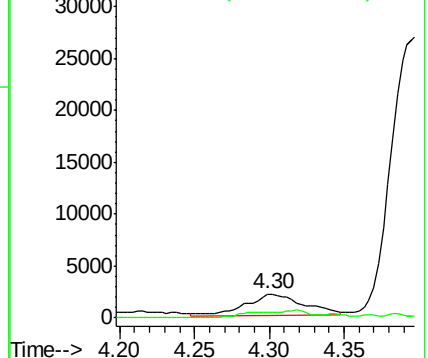
43 100

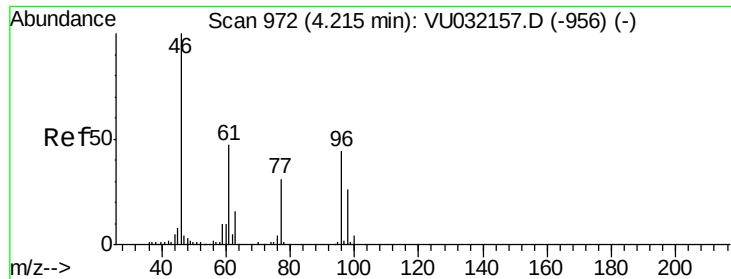
72 14.1 16.8 50.3#



Abundance Ion 43.05 (42.75 to 43.75): VU032157.D (-976) (-)

Ion 72.10 (71.80 to 72.80): VU032157.D (-976) (-)



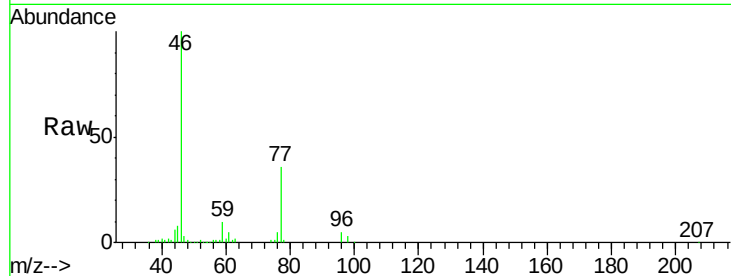


#22

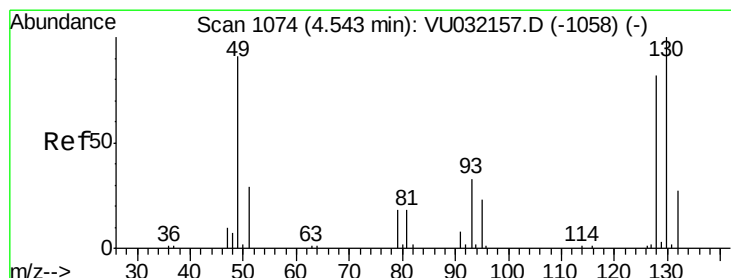
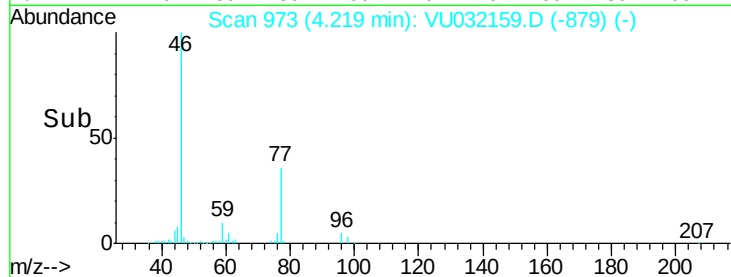
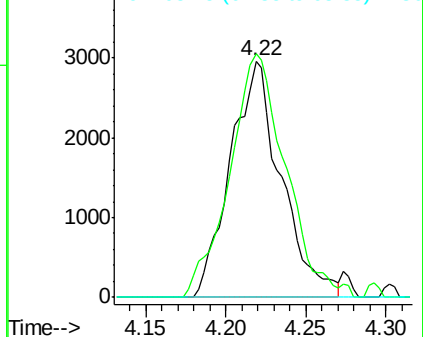
cis-1,2-Dichloroethene
 Concen: 0.425 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032159.D
 Acq: 20 May 2019 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W35

Tot Ion: 96 Resp: 6424
 Ion Ratio Lower Upper
 96 100
 61 103.0 85.8 159.4
 68 0.0 0.0 0.0



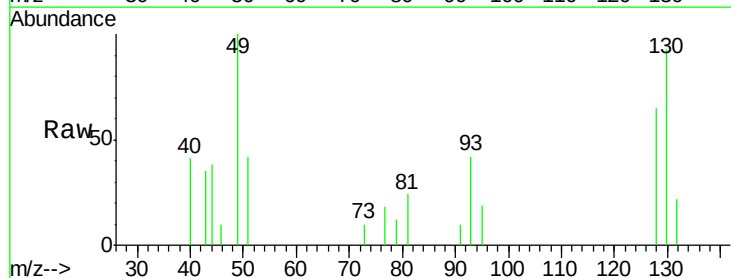
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



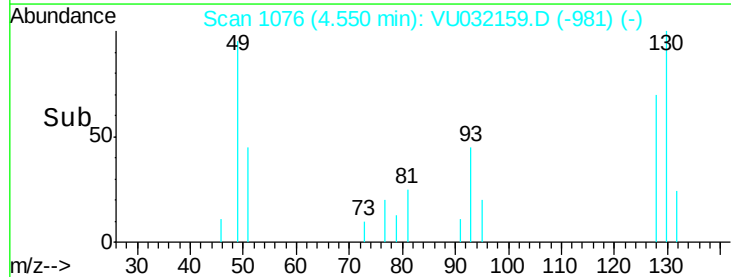
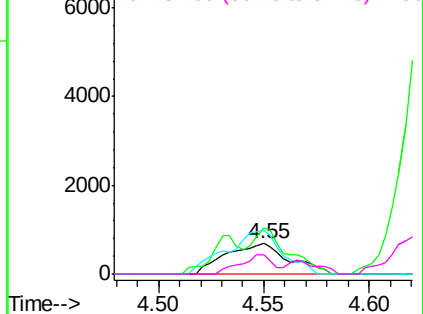
#23

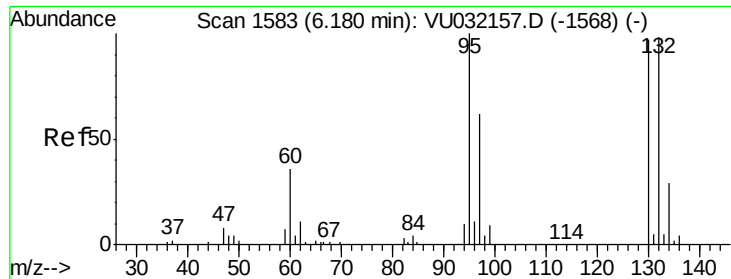
Bromochloromethane
 Concen: 0.219 ug/L
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VU032159.D
 Acq: 20 May 2019 17:00

Tgt Ion: 128 Resp: 1422
 Ion Ratio Lower Upper
 128 100
 49 153.0 92.2 171.2
 130 142.5 90.3 167.7
 51 64.6 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: 1.178 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

F9W35

Tot Ion: 95 Resp: 17677

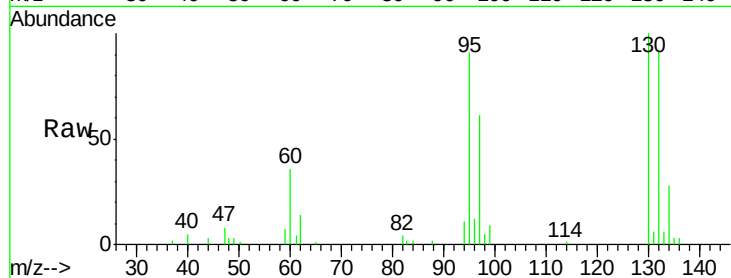
Ion Ratio Lower Upper

95 100

97 66.8 45.2 84.0

132 100.6 66.1 122.7

130 109.8 66.7 123.9

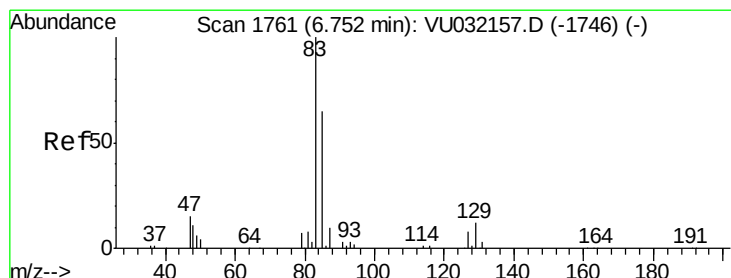
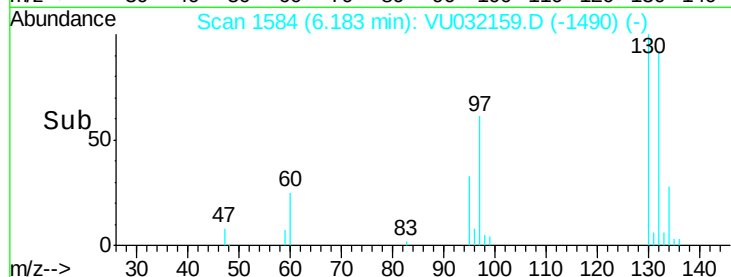
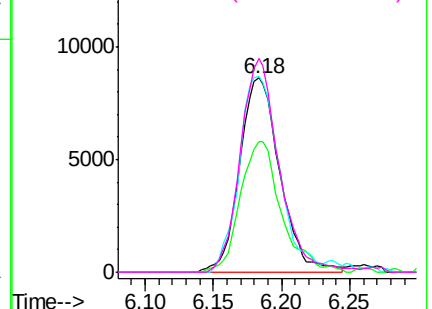


Abundance Ion 95.00 (94.70 to 95.70): VU032157.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU032157.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU032157.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU032157.D (-1568) (-)



#38

Bromodichloromethane

Concen: 3.600 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

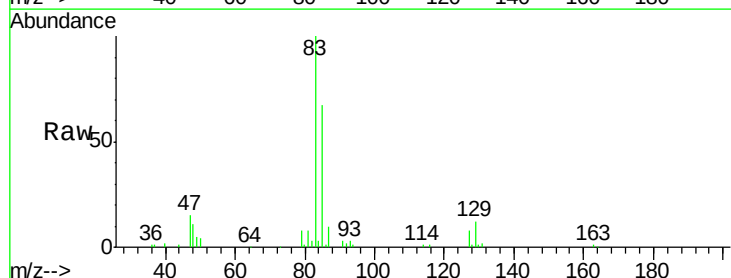
Tgt Ion: 83 Resp: 62293

Ion Ratio Lower Upper

83 100

85 66.9 45.5 84.5

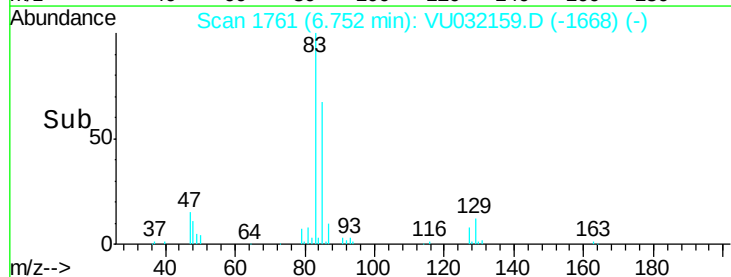
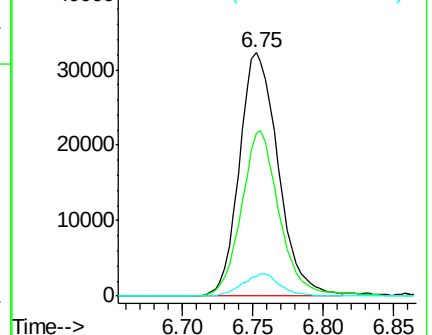
127 8.3 6.3 9.5

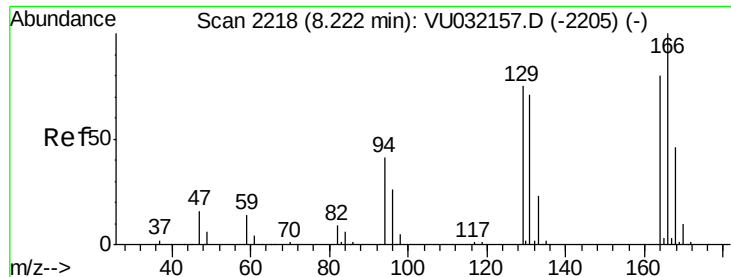


Abundance Ion 82.95 (82.65 to 83.65): VU032157.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU032157.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU032157.D (-1746) (-)





#47

Tetrachloroethene

Concen: 0.598 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:164 Resp: 6705

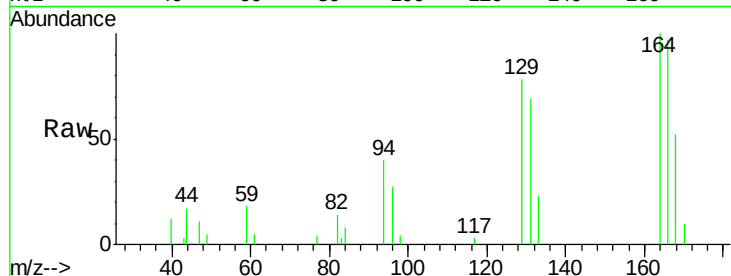
Ion Ratio Lower Upper

164 100

129 78.4 70.3 130.5

131 69.2 64.5 119.9

166 96.8 92.3 171.5

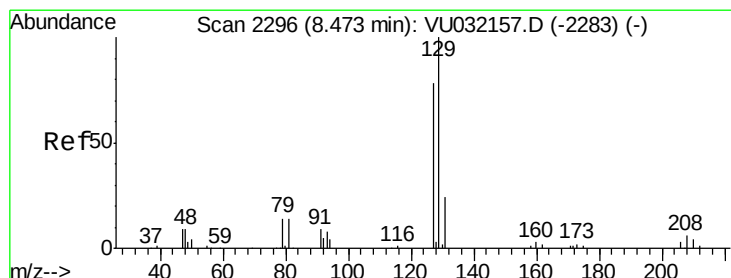
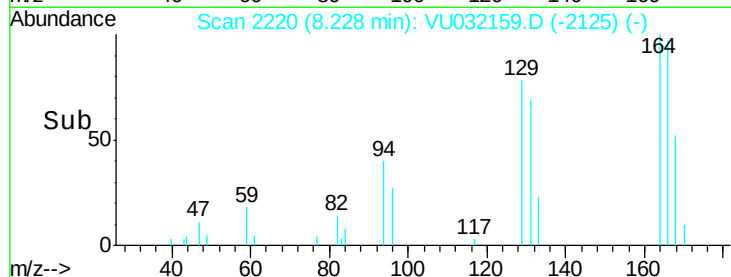
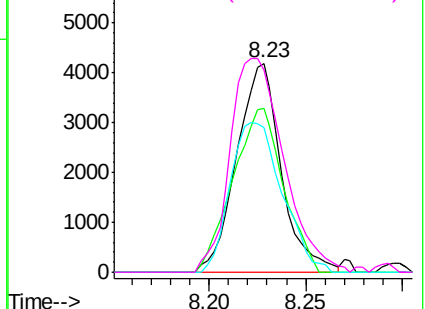


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 4.617 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU032159.D

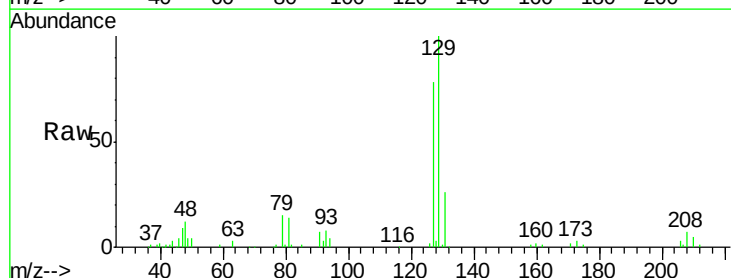
Acq: 20 May 2019 17:00

Tgt Ion:129 Resp: 53179

Ion Ratio Lower Upper

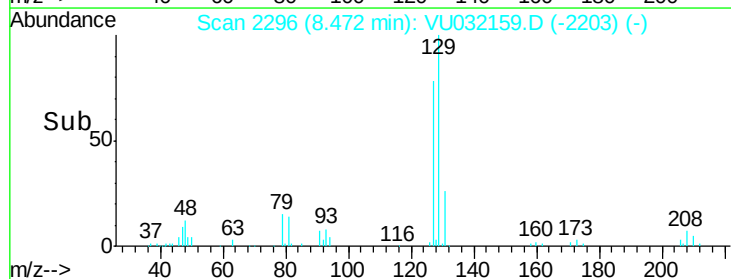
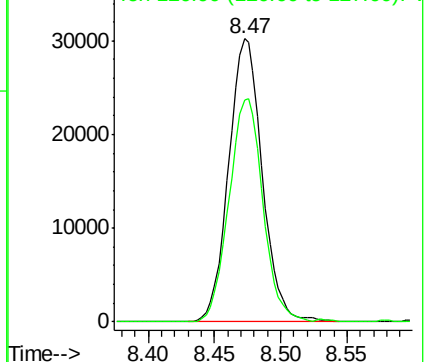
129 100

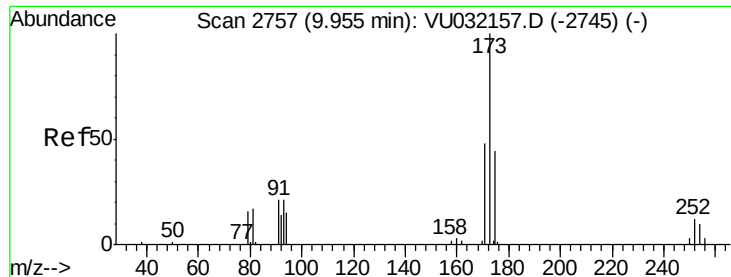
127 78.4 55.2 102.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#61

Bromoform

Concen: 2.140 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU032159.D

Acq: 20 May 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

F9W35

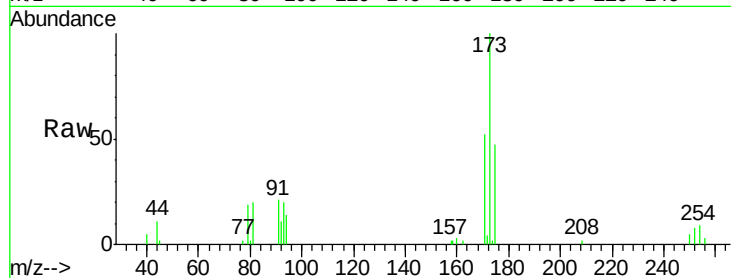
Tot Ion:173 Resp: 11953

Ion Ratio Lower Upper

173 100

175 49.6 38.0 57.0

254 8.5 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

