

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051219\
 Data File : VU031950.D
 Acq On : 12 May 2019 18:05
 Operator : JC/SP
 Sample : K2791-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D53

Quant Time: May 13 07:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 13 07:00:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	474070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175167	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	118122	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.68	69	123965	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.27	63	194310	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.20	46	545084	43.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.42%
24) Chloroform-d	4.64	84	285672	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.31	65	155901	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	5.33	84	522229	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.33	67	186578	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.56	98	391536	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	7.85	79	55203	3.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.60%
46) 2-Hexanone-d5	8.31	63	368761	45.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	161188	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	143401	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

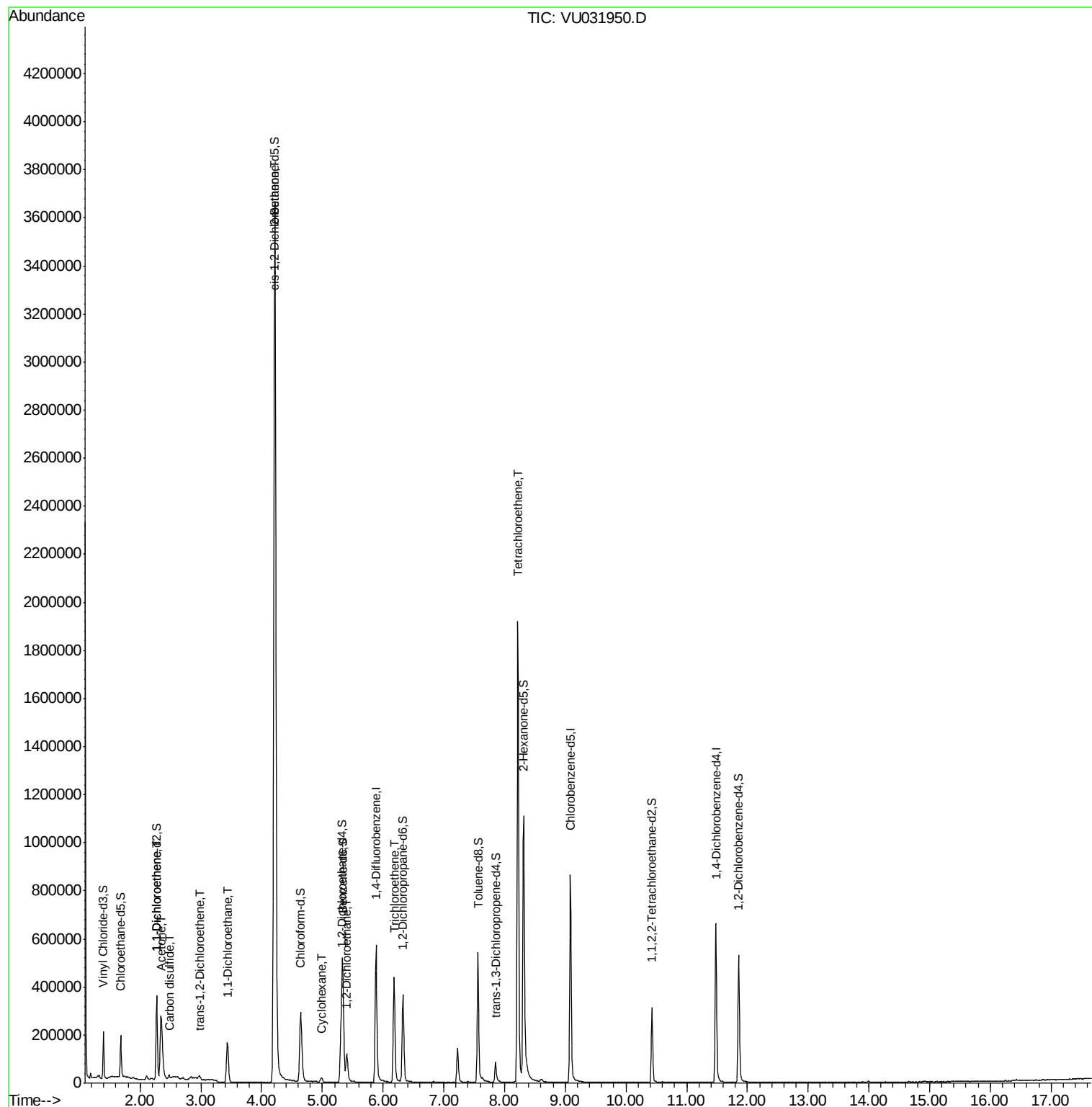
					Ovalue
12) 1,1-Dichloroethene	2.28	96	24541	0.762	ug/L # 11
13) Acetone	2.34	43	455080	52.820	ug/L 84
14) Carbon disulfide	2.48	76	22230	0.196	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	6187	0.178	ug/L # 64
19) 1,1-Dichloroethane	3.44	63	166338	1.947	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	1911372	45.819	ug/L 80
27) 1,2-Dichloroethane	5.41	62	98384	1.773	ug/L 98
30) Cyclohexane	4.98	56	8477	0.116	ug/L # 79
34) Trichloroethene	6.18	95	161572	3.765	ug/L 92
47) Tetrachloroethene	8.22	164	455497	16.322	ug/L 97

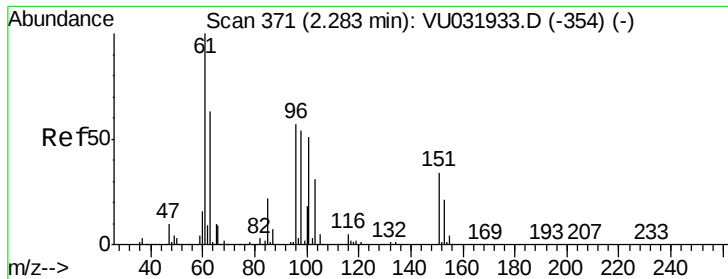
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 13 07:00:03 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.762 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

F9D53

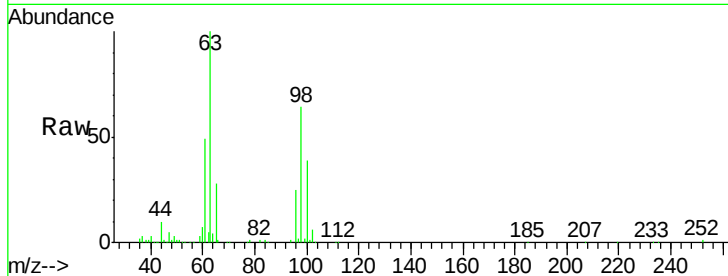
Tot Ion: 96 Resp: 24541

Ion Ratio Lower Upper

96 100

61 196.8 149.0 276.6

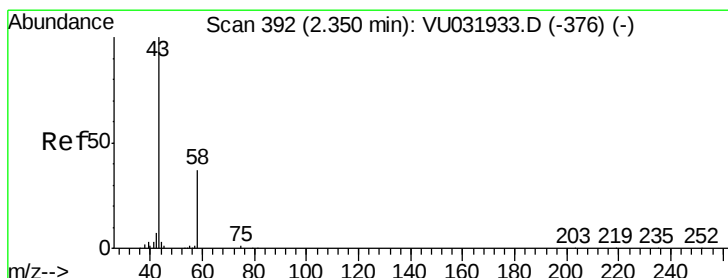
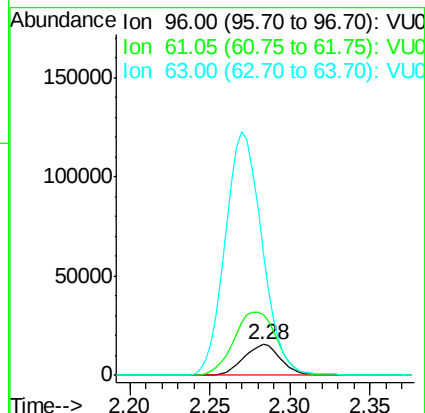
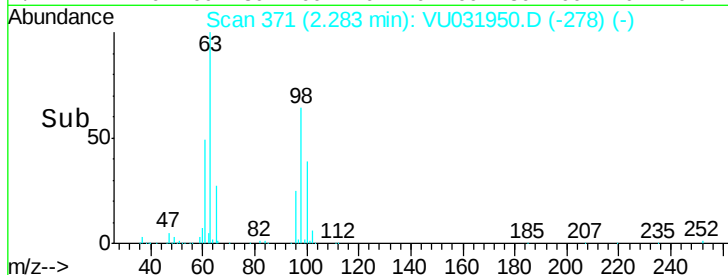
63 398.1 99.8 185.4#



Abundance Ion 96.00 (95.70 to 96.70): VU031950.D (-278) (-)

Ion 61.05 (60.75 to 61.75): VU031950.D (-278) (-)

Ion 63.00 (62.70 to 63.70): VU031950.D (-278) (-)



#13

Acetone

Concen: 52.820 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU031950.D

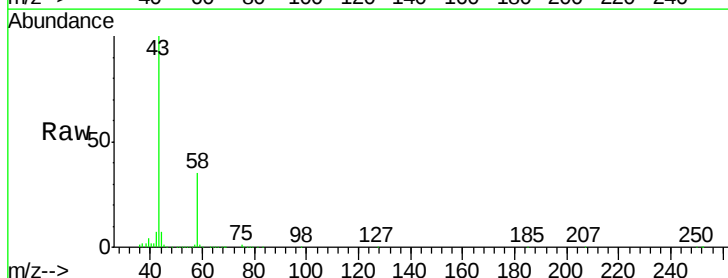
Acq: 12 May 2019 18:05

Tgt Ion: 43 Resp: 455080

Ion Ratio Lower Upper

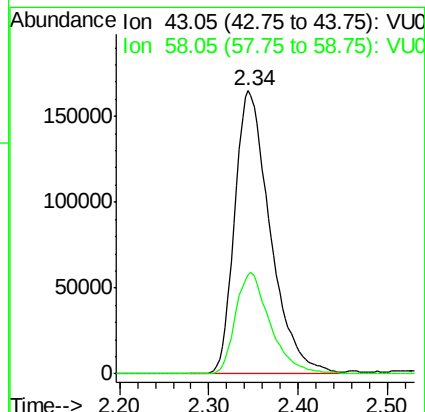
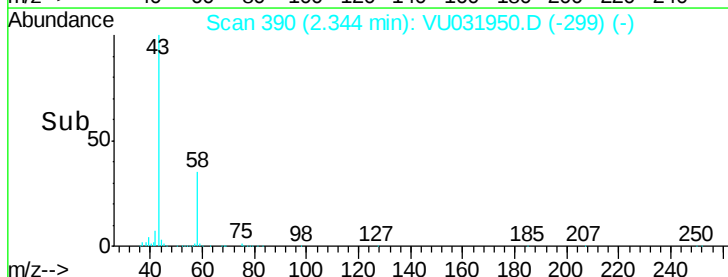
43 100

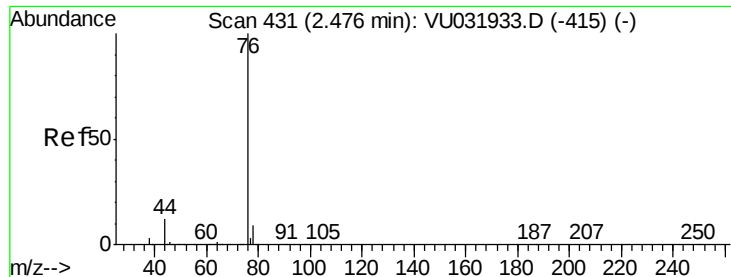
58 35.2 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031950.D (-299) (-)

Ion 58.05 (57.75 to 58.75): VU031950.D (-299) (-)





#14

Carbon disulfide

Concen: 0.196 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

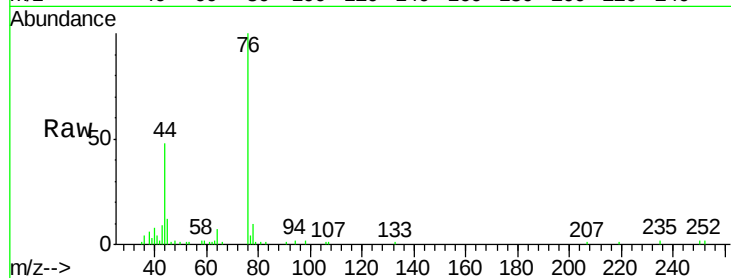
F9D53

Tot Ion: 76 Resp: 22230

Ion Ratio Lower Upper

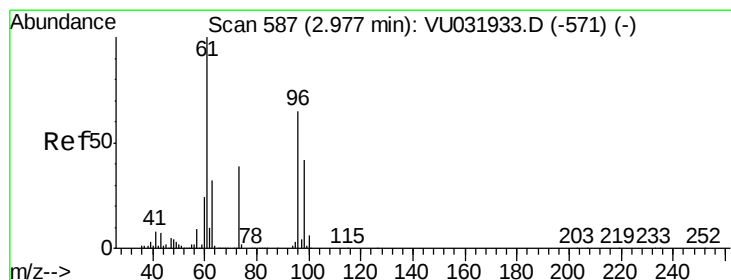
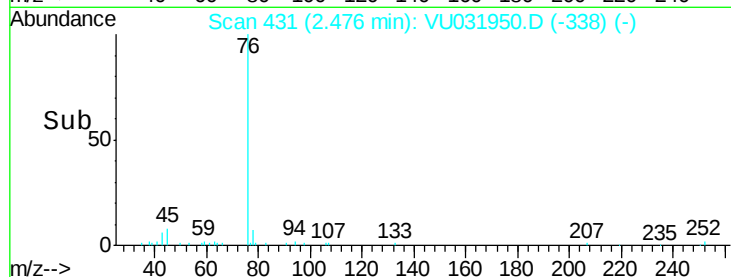
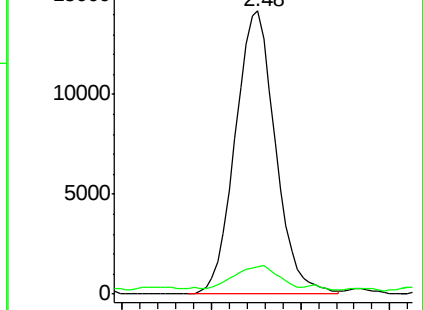
76 100

78 9.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU031933.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031933.D (-415) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

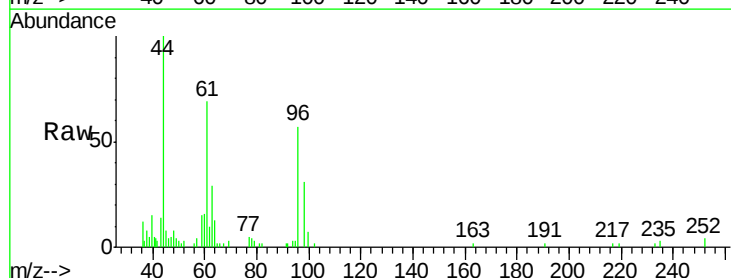
Tgt Ion: 96 Resp: 6187

Ion Ratio Lower Upper

96 100

61 122.1 130.9 243.1#

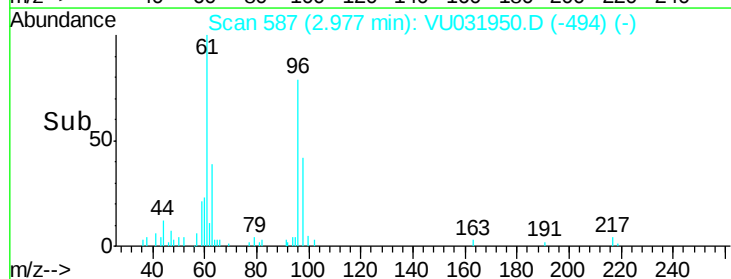
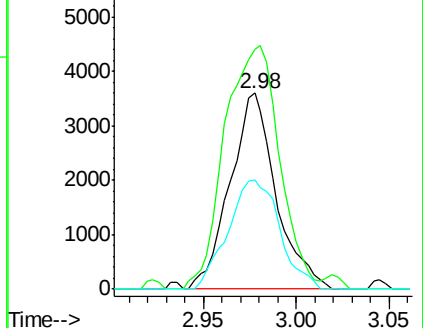
98 55.4 46.2 85.8

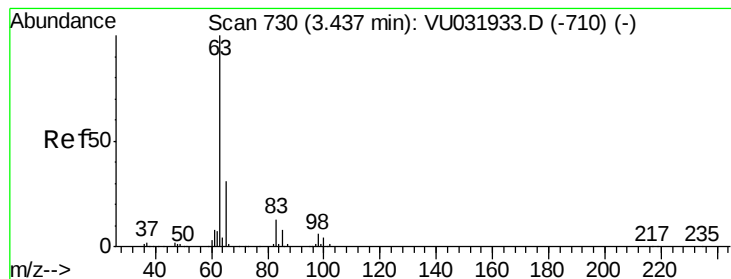


Abundance Ion 96.00 (95.70 to 96.70): VU031933.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU031933.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU031933.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 1.947 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

F9D53

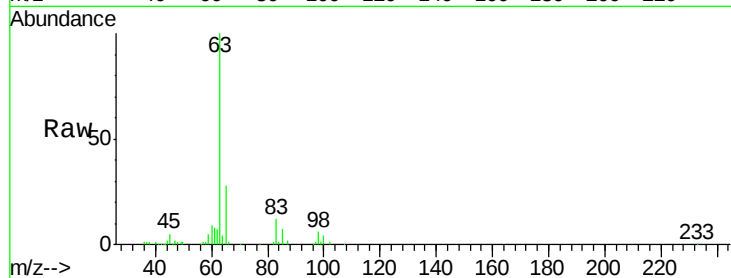
Tot Ion: 63 Resp: 166338

Ion Ratio Lower Upper

63 100

65 28.4 21.8 40.4

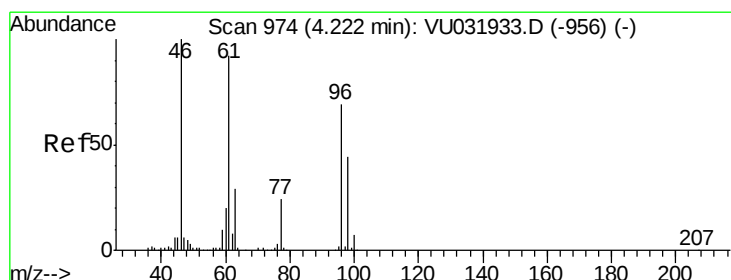
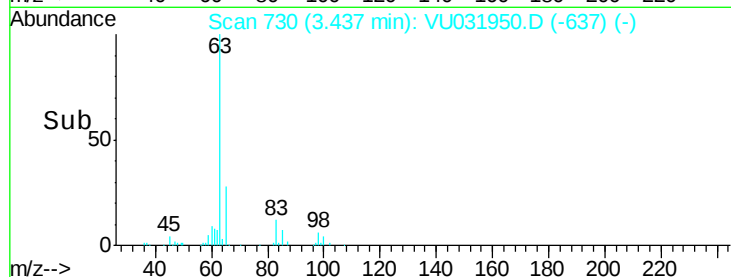
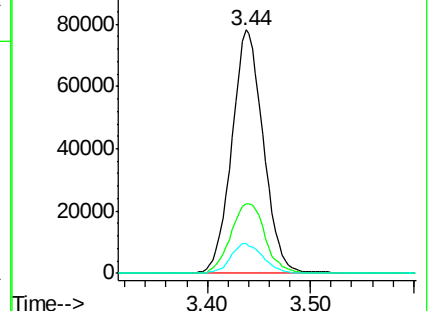
83 12.2 7.9 14.7



Abundance Ion 63.10 (62.80 to 63.80): VU031933.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VU031933.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VU031933.D (-710) (-)



#22

cis-1,2-Dichloroethene

Concen: 45.819 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

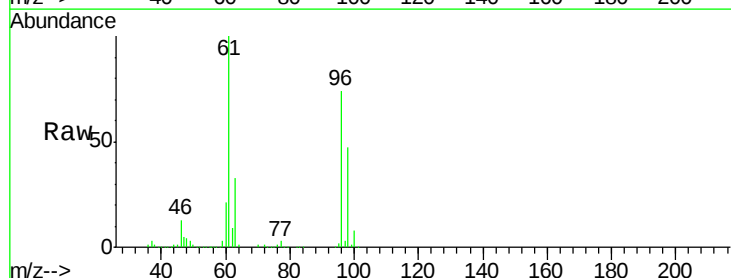
Tgt Ion: 96 Resp: 1911372

Ion Ratio Lower Upper

96 100

61 135.2 113.3 210.5

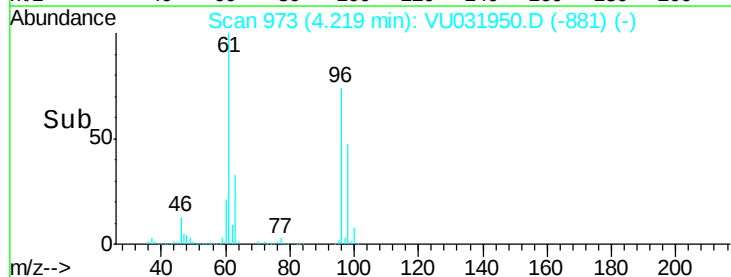
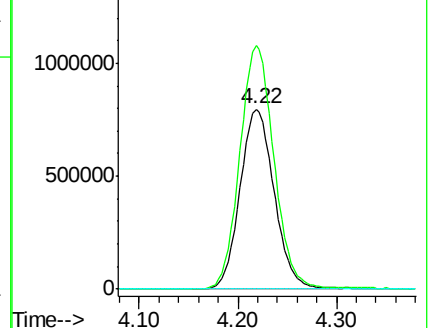
68 0.0 0.0 0.0

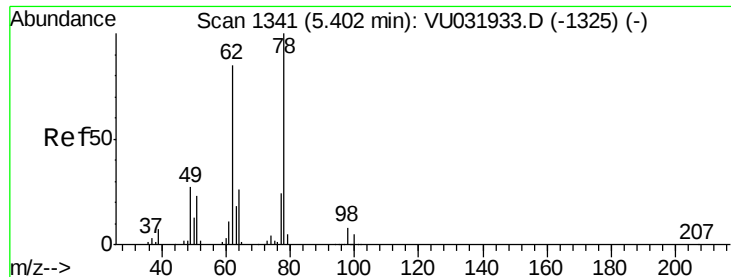


Abundance Ion 96.00 (95.70 to 96.70): VU031933.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU031933.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU031933.D (-956) (-)





#27

1,2-Dichloroethane

Concen: 1.773 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

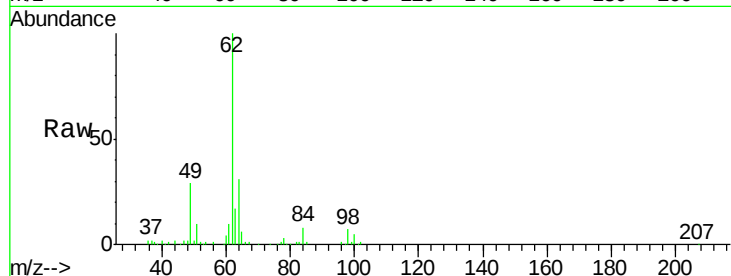
F9D53

Tot Ion: 62 Resp: 98384

Ion Ratio Lower Upper

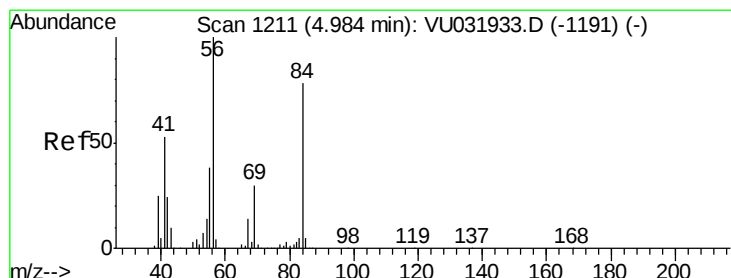
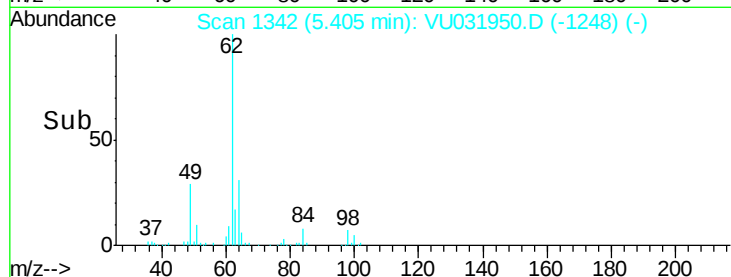
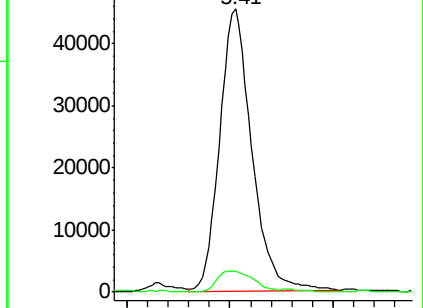
62 100

98 7.4 5.4 8.2



Abundance Ion 62.00 (61.70 to 62.70): VU031933.D (-1325) (-)

Ion 98.05 (97.75 to 98.75): VU031933.D (-1325) (-)



#30

Cyclohexane

Concen: 0.116 ug/L

RT: 4.98 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

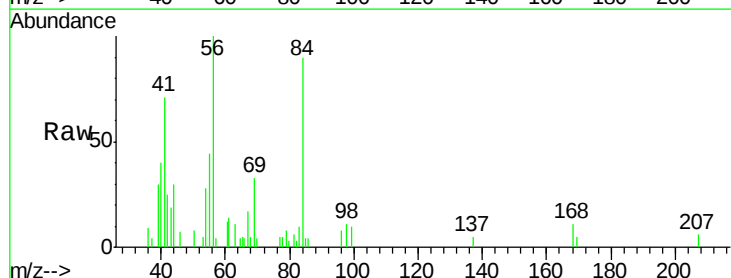
Tgt Ion: 56 Resp: 8477

Ion Ratio Lower Upper

56 100

69 29.9 21.8 32.8

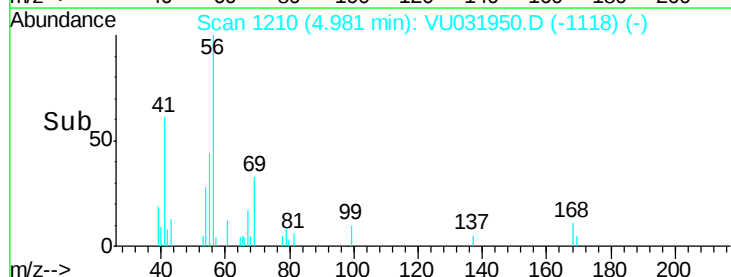
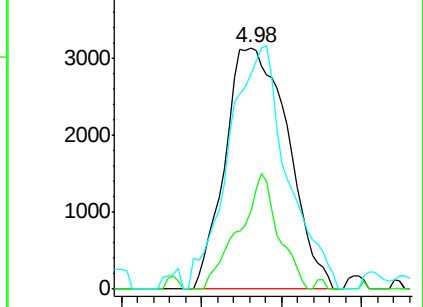
84 93.8 56.8 85.2#

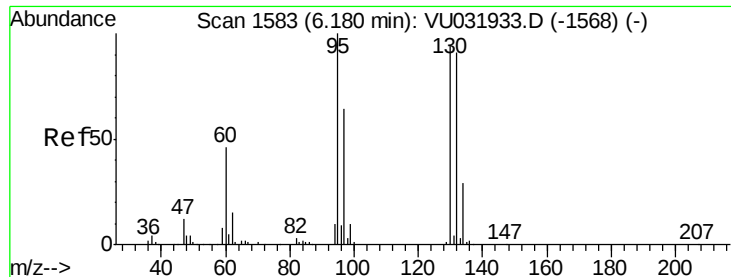


Abundance Ion 56.10 (55.80 to 56.80): VU031933.D (-1191) (-)

Ion 69.15 (68.85 to 69.85): VU031933.D (-1191) (-)

Ion 84.15 (83.85 to 84.85): VU031933.D (-1191) (-)





#34

Trichloroethene

Concen: 3.765 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_U

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Tot Ion: 95 Resp: 161572

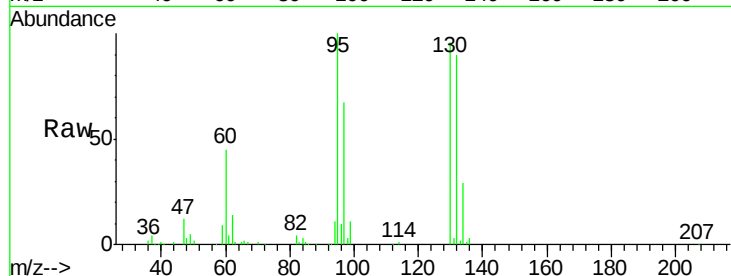
Ion Ratio Lower Upper

95 100

97 66.9 45.8 85.2

132 90.1 56.0 104.0

130 95.9 60.4 112.2

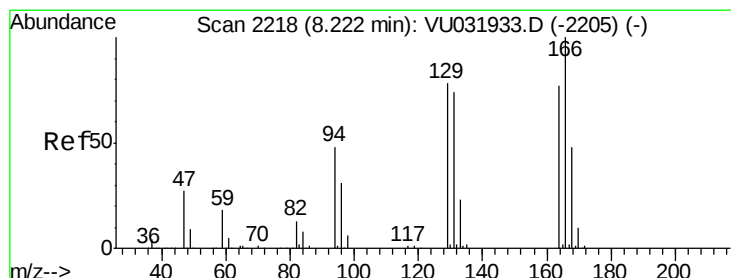
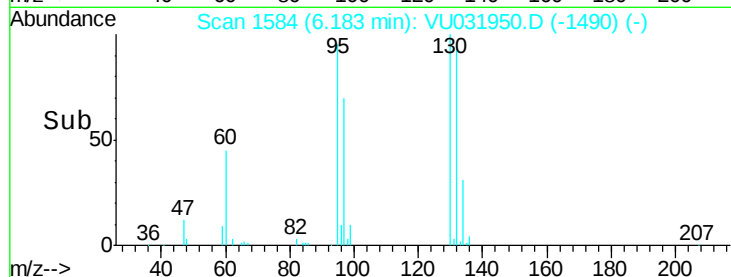
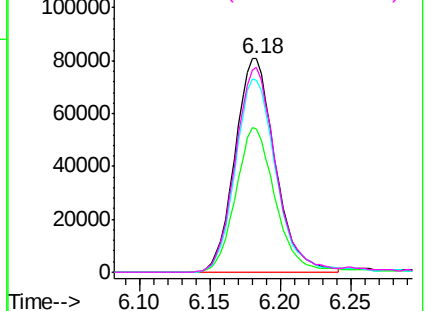


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 16.322 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031950.D

Acq: 12 May 2019 18:05

Tgt Ion: 164 Resp: 455497

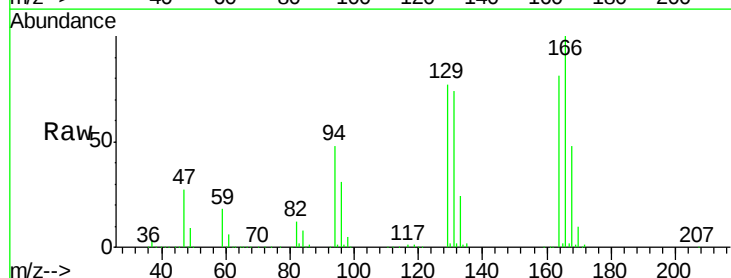
Ion Ratio Lower Upper

164 100

129 94.8 70.3 130.5

131 91.6 65.4 121.4

166 123.8 86.0 159.8



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

