

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051219\
 Data File : VU031951.D
 Acq On : 12 May 2019 18:29
 Operator : JC/SP
 Sample : K2791-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D54

Quant Time: May 13 07:46:51 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	489268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	486996	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	123370	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.68	69	127691	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	193544	2.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.80%#
20) 2-Butanone-d5	4.21	46	548300	42.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.24%
24) Chloroform-d	4.64	84	283773	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.31	65	159979	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
32) Benzene-d6	5.33	84	529313	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.33	67	187907	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.20%
41) Toluene-d8	7.56	98	390278	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	7.85	79	53934	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.31	63	375428	46.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	167633	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	151392	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

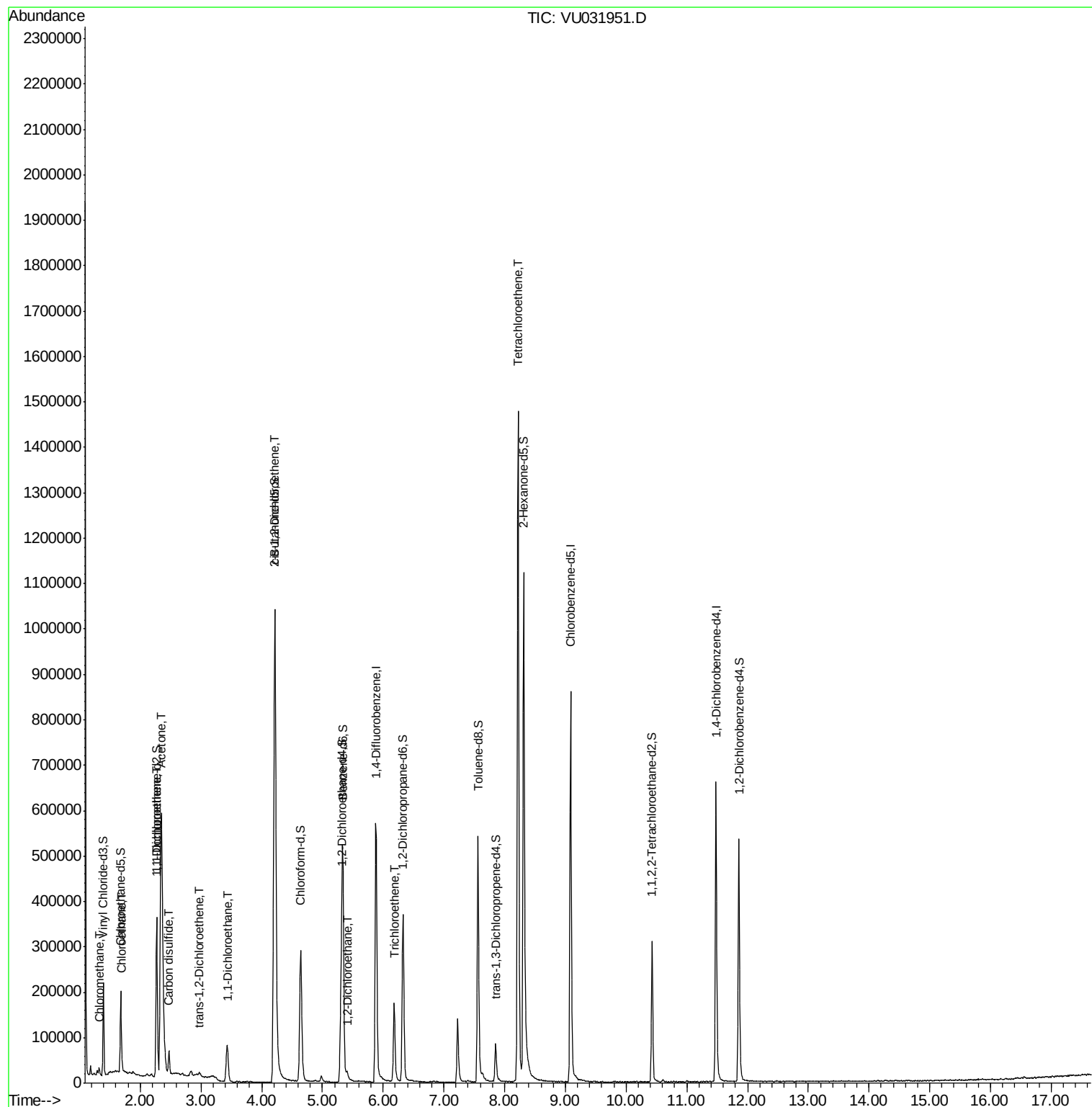
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	11342	0.169	ug/L	93
8) Chloroethane	1.70	64	11771	0.364	ug/L	87
12) 1,1-Dichloroethene	2.28	96	14545	0.437	ug/L #	1
13) Acetone	2.35	43	1097297	123.404	ug/L	83
14) Carbon disulfide	2.48	76	65904	0.563	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	2790	0.078	ug/L	73
19) 1,1-Dichloroethane	3.44	63	50851	0.577	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	464317	10.785	ug/L	81
27) 1,2-Dichloroethane	5.40	62	11637	0.203	ug/L	99
34) Trichloroethene	6.18	95	69096	1.614	ug/L	95
47) Tetrachloroethene	8.22	164	337087	12.109	ug/L	98

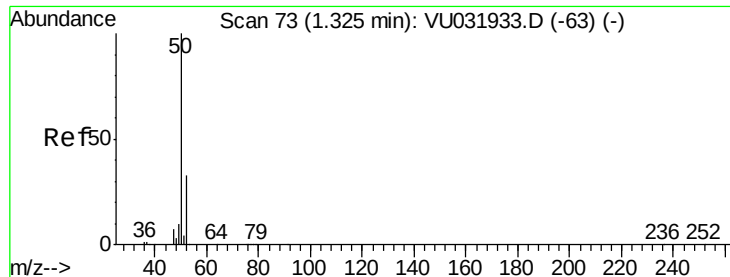
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.169 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

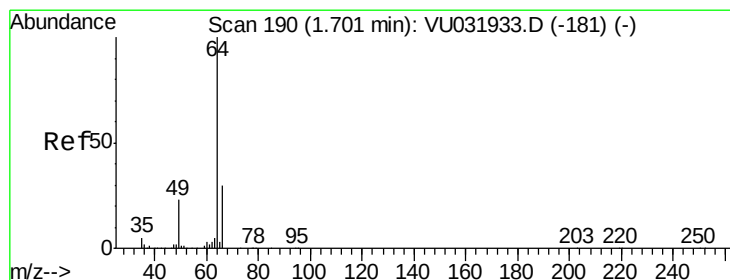
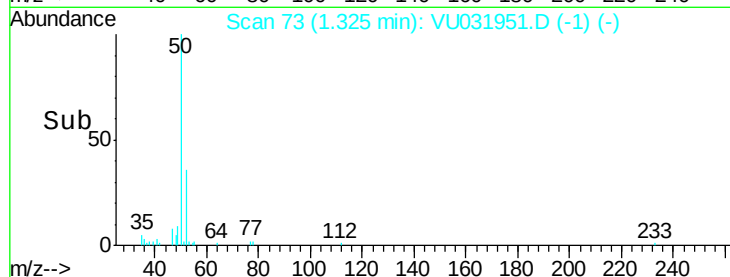
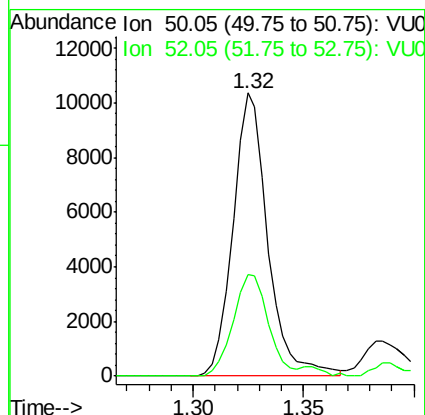
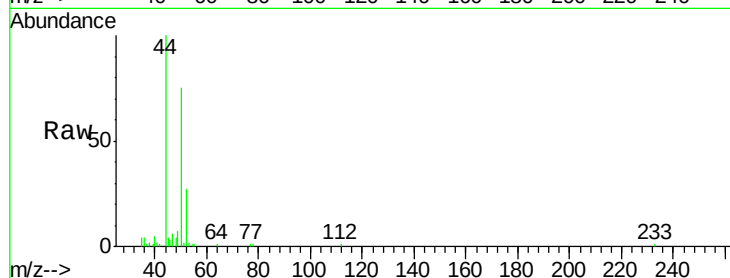
F9D54

Tot Ion: 50 Resp: 11342

Ion Ratio Lower Upper

50 100

52 35.9 22.5 41.7



#8

Chloroethane

Concen: 0.364 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031951.D

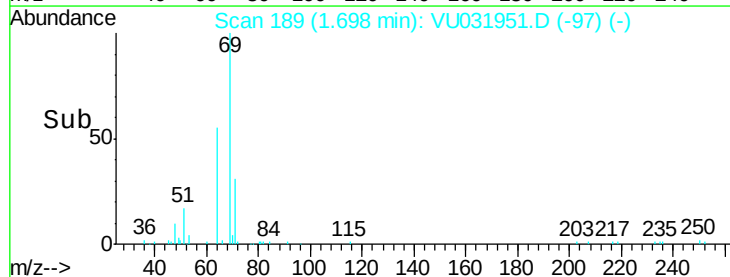
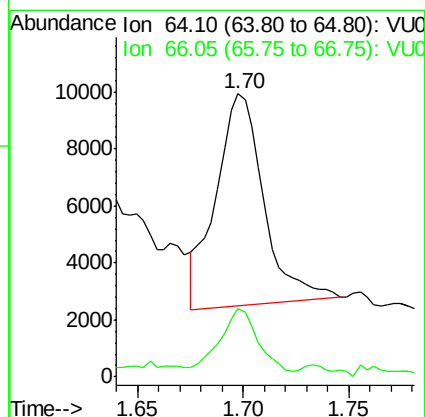
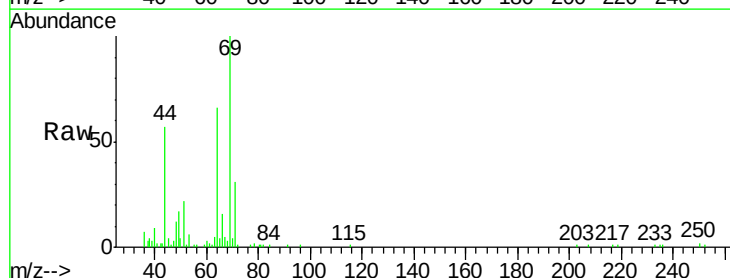
Acq: 12 May 2019 18:29

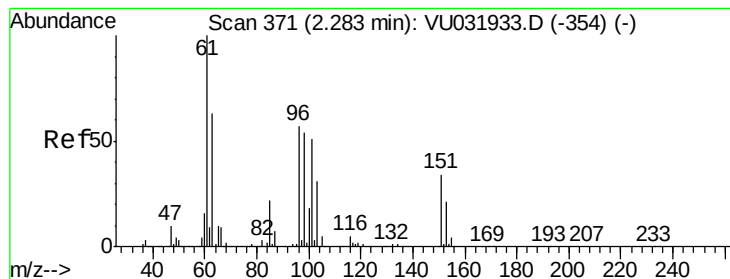
Tgt Ion: 64 Resp: 11771

Ion Ratio Lower Upper

64 100

66 24.3 21.9 40.7





#12

1,1-Dichloroethene

Concen: 0.437 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

F9D54

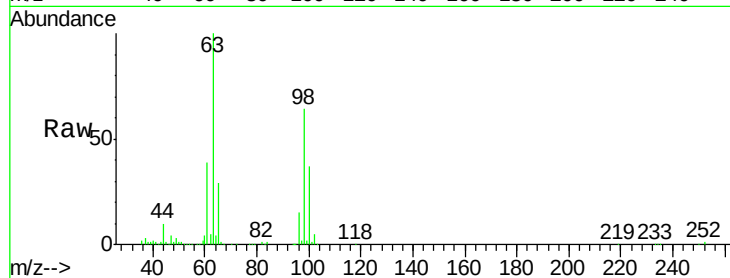
Tot Ion: 96 Resp: 14545

Ion Ratio Lower Upper

96 100

61 252.1 149.0 276.6

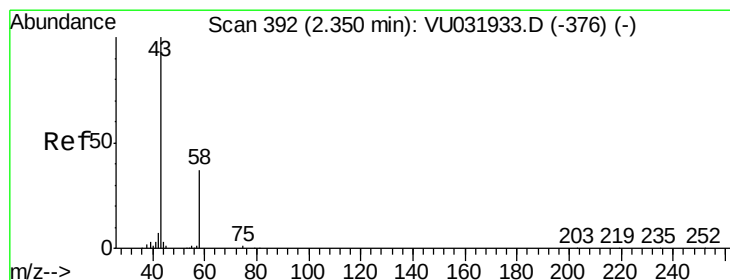
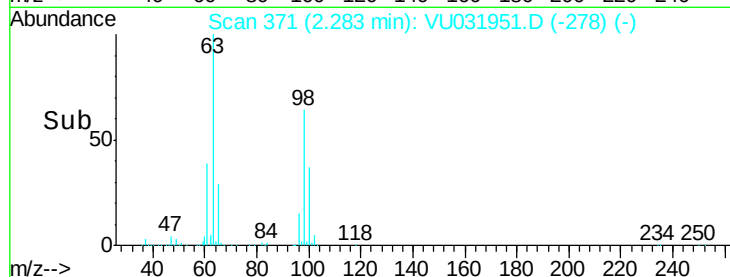
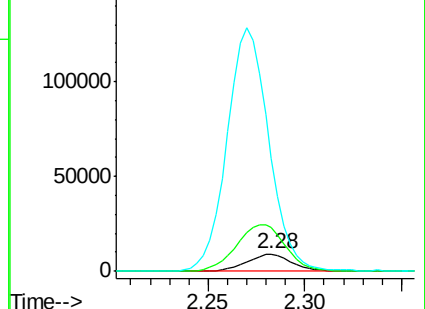
63 654.6 99.8 185.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 123.404 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU031951.D

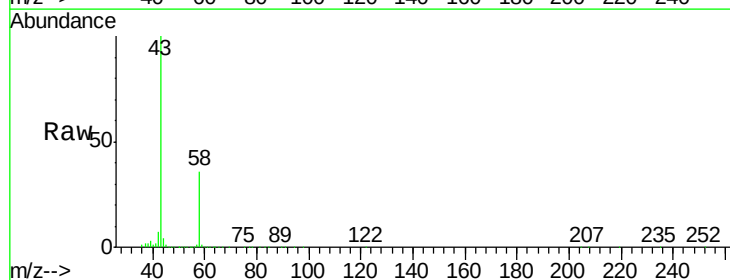
Acq: 12 May 2019 18:29

Tgt Ion: 43 Resp: 1097297

Ion Ratio Lower Upper

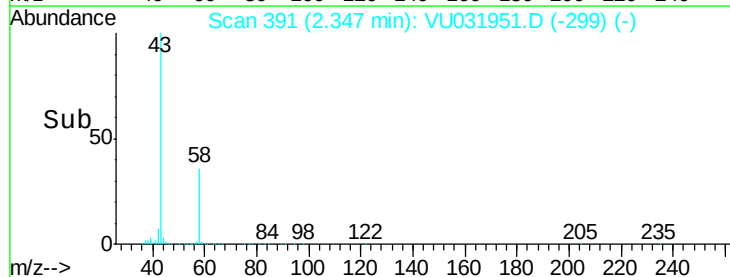
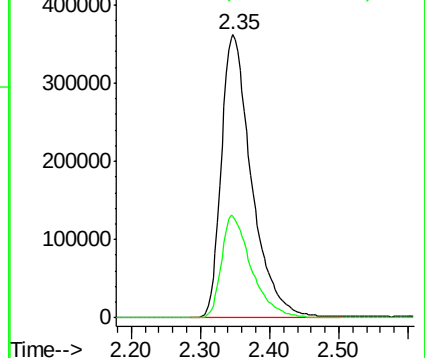
43 100

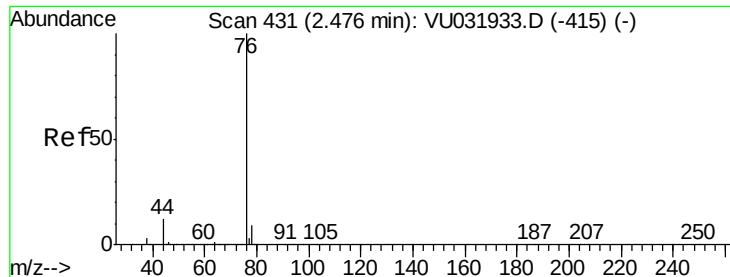
58 35.8 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

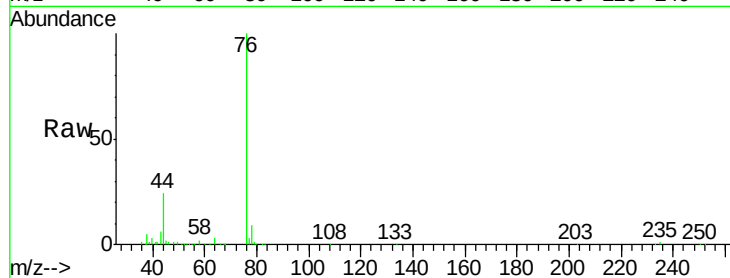
F9D54

Tot Ion: 76 Resp: 65904

Ion Ratio Lower Upper

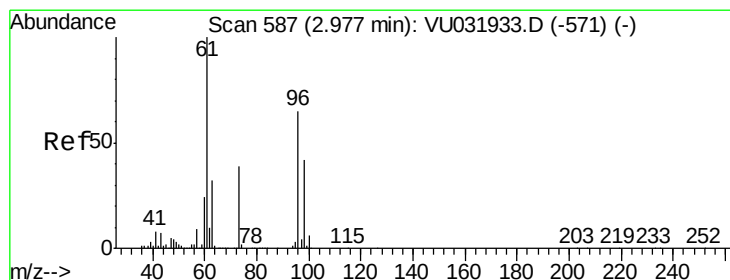
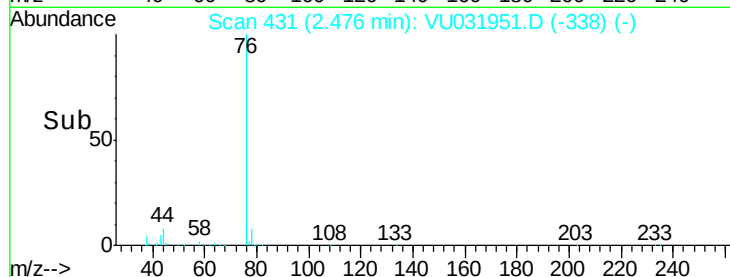
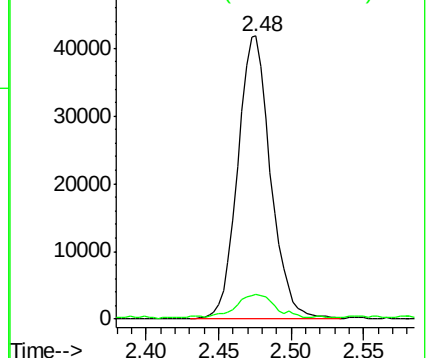
76 100

78 8.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.078 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

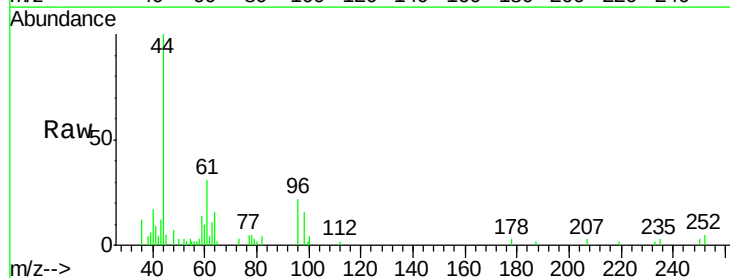
Tgt Ion: 96 Resp: 2790

Ion Ratio Lower Upper

96 100

61 138.4 130.9 243.1

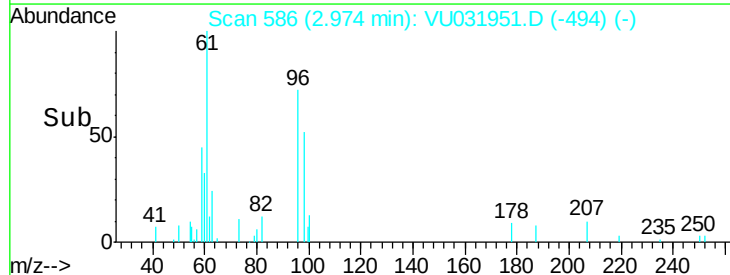
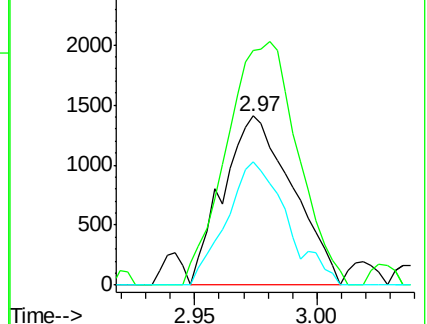
98 72.6 46.2 85.8

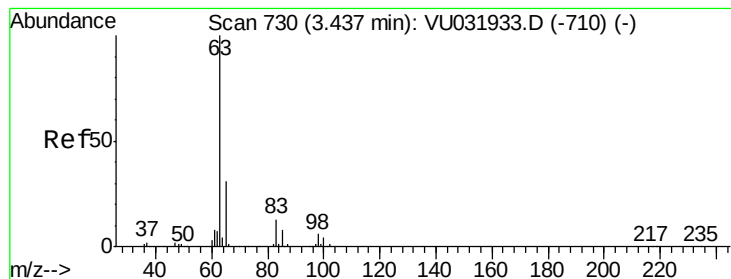


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.577 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

F9D54

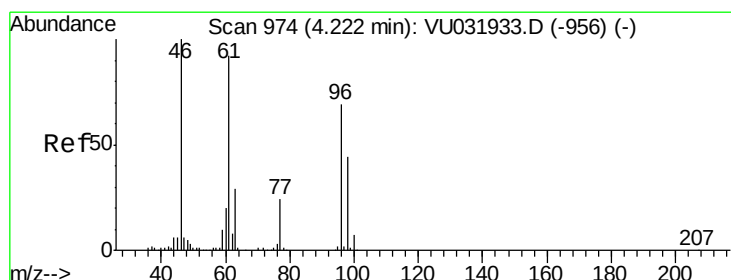
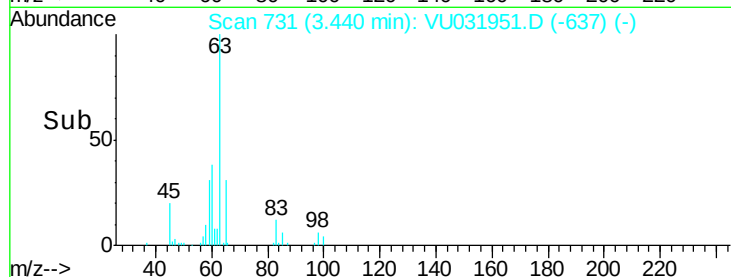
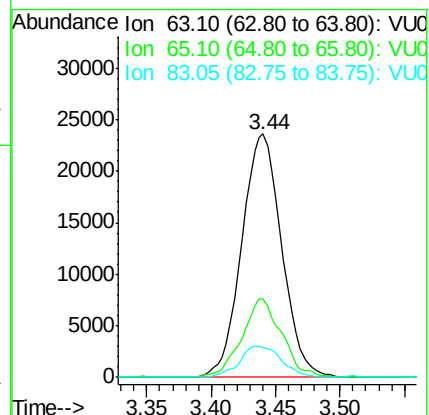
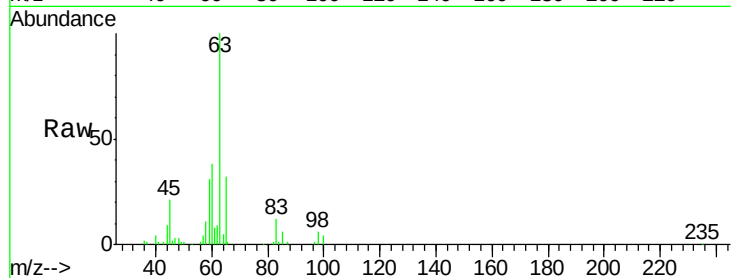
Tot Ion: 63 Resp: 50851

Ion Ratio Lower Upper

63 100

65 33.0 21.8 40.4

83 12.4 7.9 14.7



#22

cis-1,2-Dichloroethene

Concen: 10.785 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

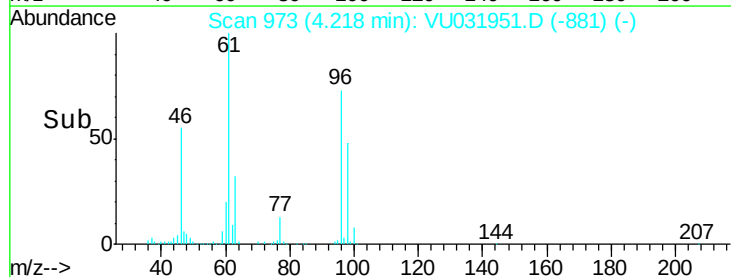
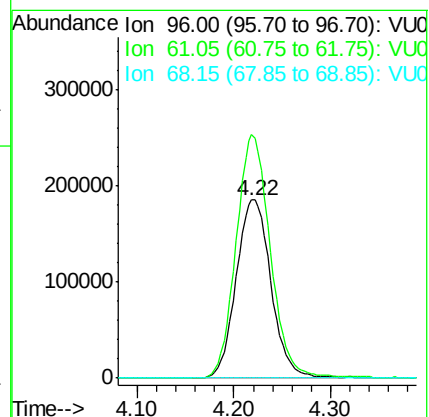
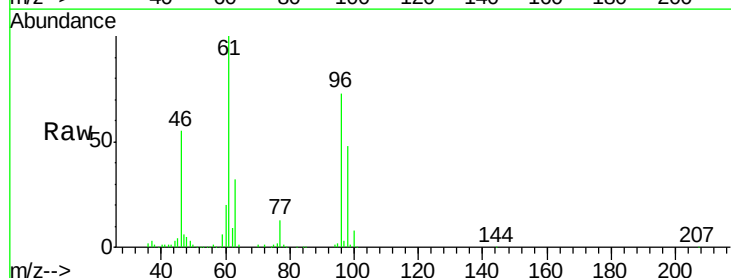
Tgt Ion: 96 Resp: 464317

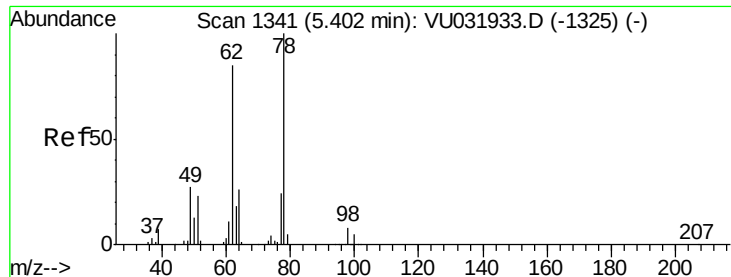
Ion Ratio Lower Upper

96 100

61 136.5 113.3 210.5

68 0.0 0.0 0.0

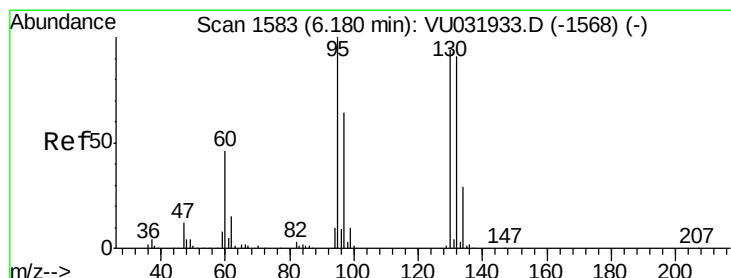
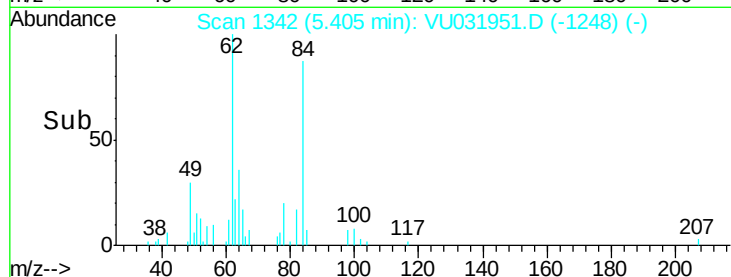
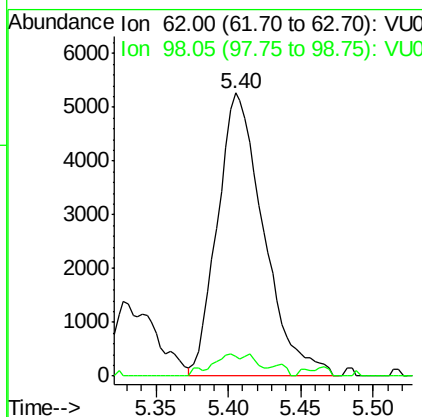
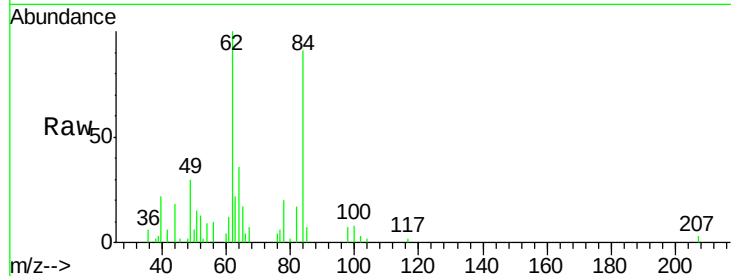




#27
 1,2-Dichloroethane
 Concen: 0.203 ug/L
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VU031951.D
 Acq: 12 May 2019 18:29

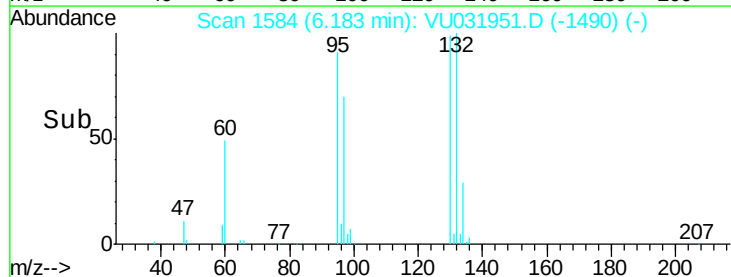
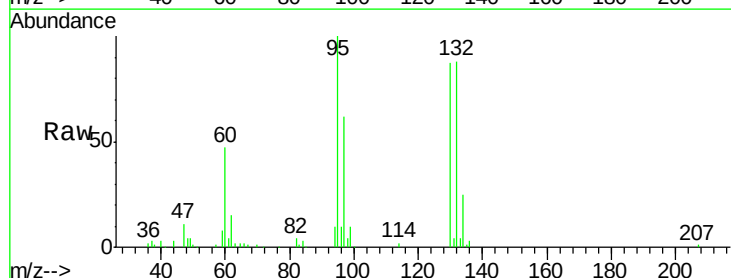
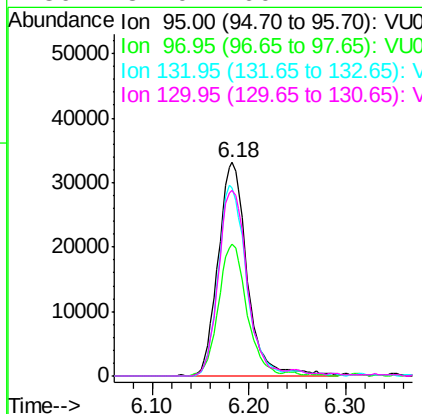
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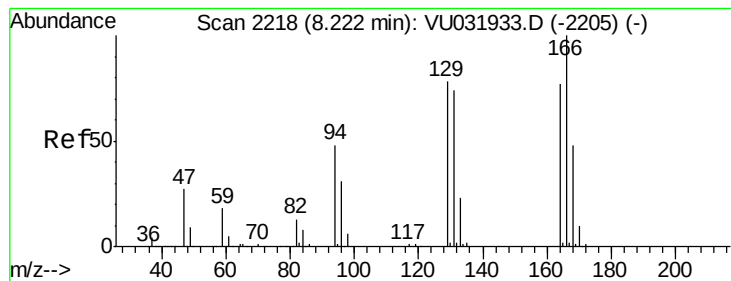
Tot Ion: 62 Resp: 11637
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.4 8.2



#34
 Trichloroethene
 Concen: 1.614 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031951.D
 Acq: 12 May 2019 18:29

Tgt Ion: 95 Resp: 69096
 Ion Ratio Lower Upper
 95 100
 97 61.7 45.8 85.2
 132 88.2 56.0 104.0
 130 87.0 60.4 112.2





#47

Tetrachloroethene

Concen: 12.109 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
F9D54

Tot Ion:164 Resp: 337087

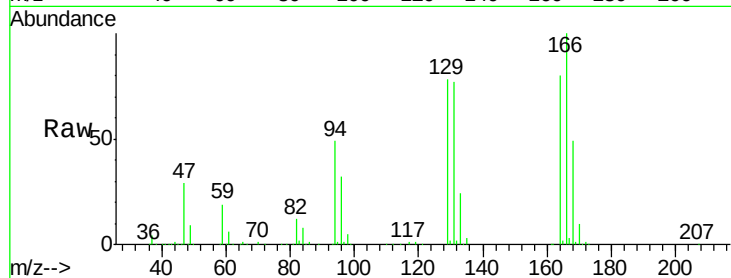
Ion Ratio Lower Upper

164 100

129 97.3 70.3 130.5

131 95.6 65.4 121.4

166 124.8 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

