

Data File : VU032104.D
Acq On : 17 May 2019 16:32
Operator : JC/SP
Sample : K2850-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W12

Quant Time: May 18 04:12:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	357052	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	376960	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	153645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	120908	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.68	69	103582	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	2.27	63	171883	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.21	46	277878	47.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	4.64	84	231196	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.31	65	120089	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.33	84	467816	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.33	67	141269	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.56	98	393477	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	7.85	79	49425	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.31	63	253239	46.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120234	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	151781	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

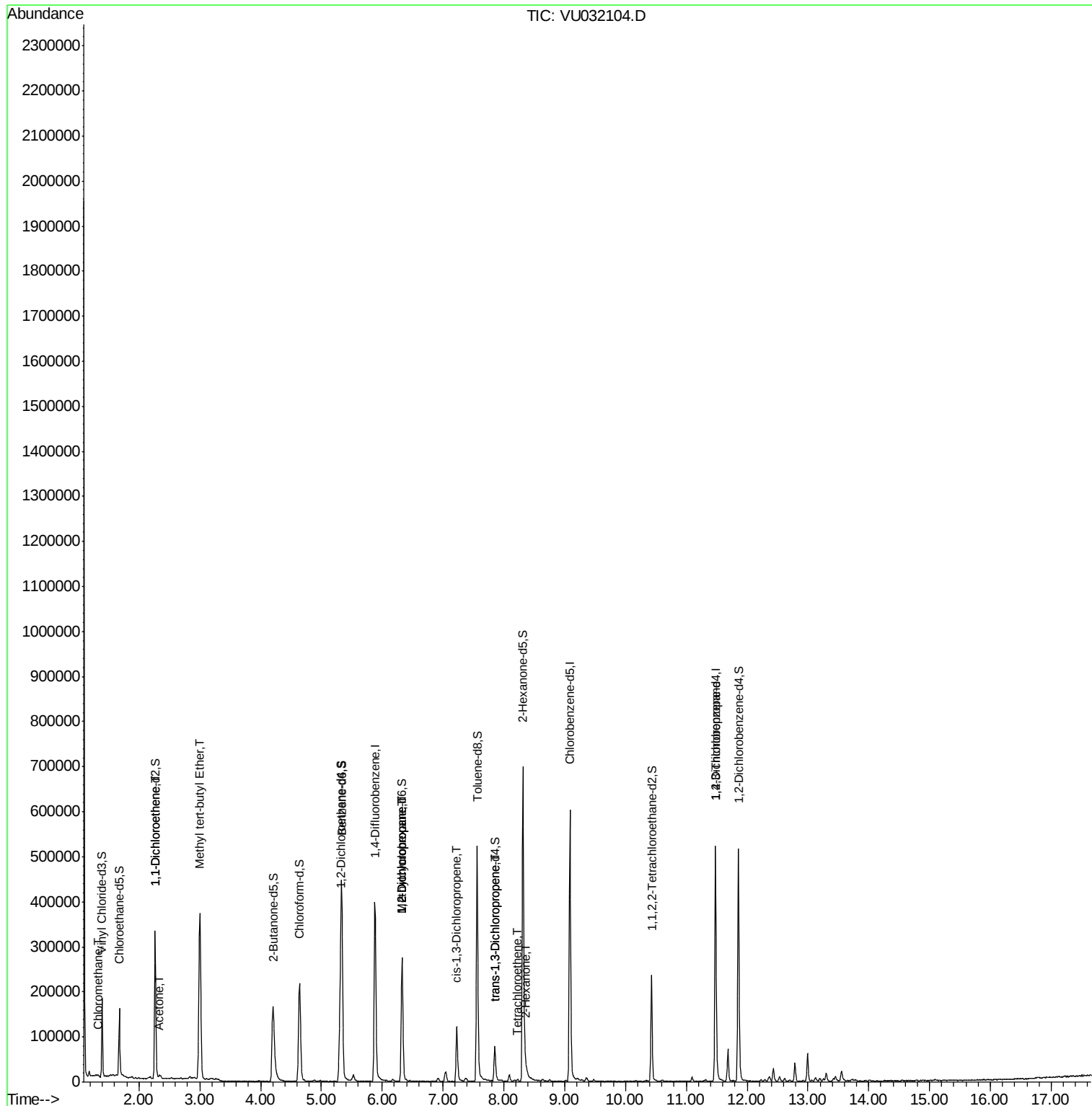
					Qvalue
3) Chloromethane	1.32	50	3358	0.196 ug/L	91
12) 1,1-Dichloroethene	2.27	96	1619	0.113 ug/L #	1
13) Acetone	2.34	43	6082	3.138 ug/L	91
17) Methyl tert-butyl Ether	3.00	73	436586	12.951 ug/L	96
35) Methylcyclohexane	6.33	83	32992	1.459 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	15121	1.068 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	3391	0.173 ug/L #	49
44) trans-1,3-Dichloropropene	7.85	75	2103	0.138 ug/L	97
47) Tetrachloroethene	8.22	164	1224	0.104 ug/L #	67
48) 2-Hexanone	8.37	43	10193	2.003 ug/L #	93
59) 1,2,3-Trichloropropane	11.48	75	17009	1.892 ug/L	91

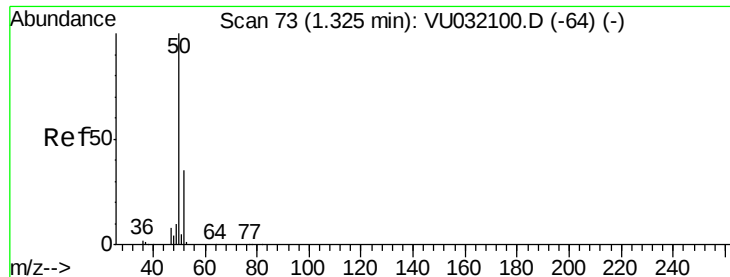
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.196 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

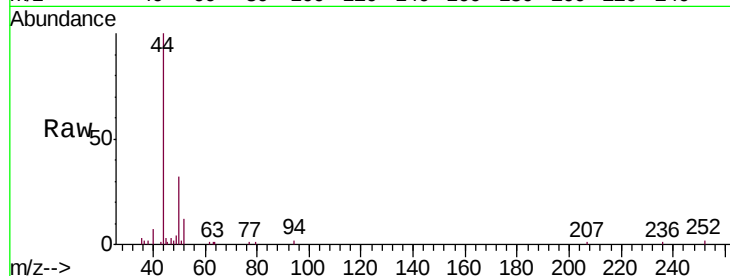
F9W12

Tgt Ion: 50 Resp: 3358

Ion Ratio Lower Upper

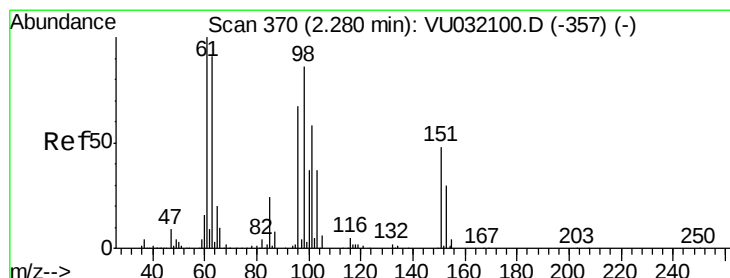
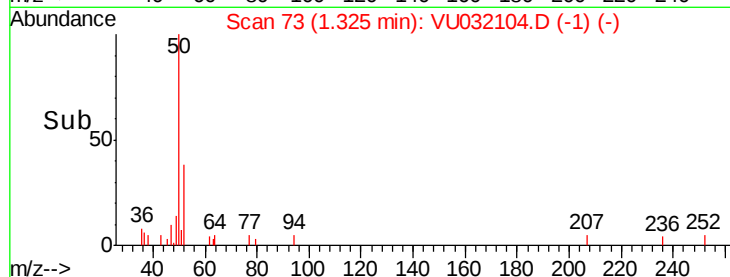
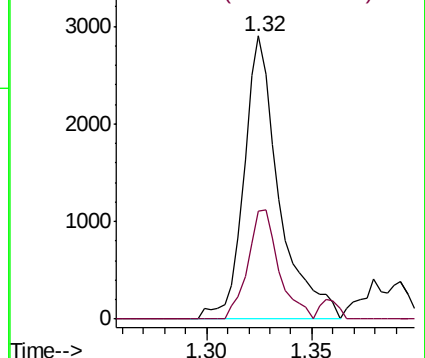
50 100

52 38.2 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

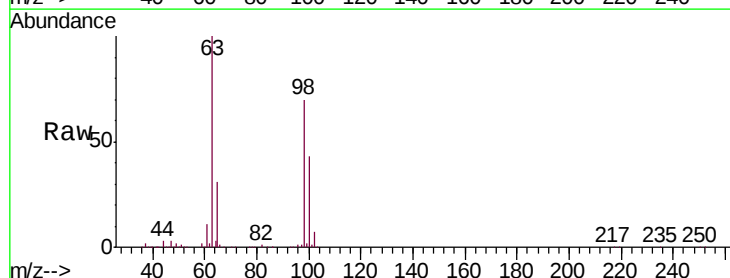
Tgt Ion: 96 Resp: 1619

Ion Ratio Lower Upper

96 100

61 1258.9 111.7 207.5#

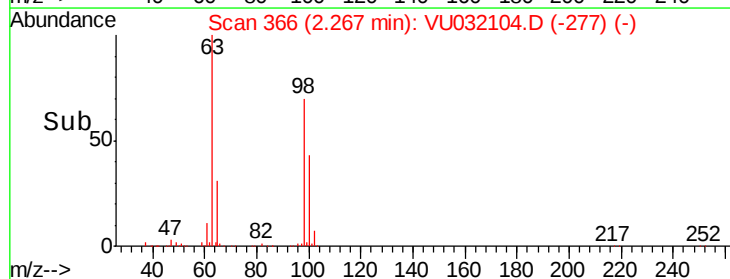
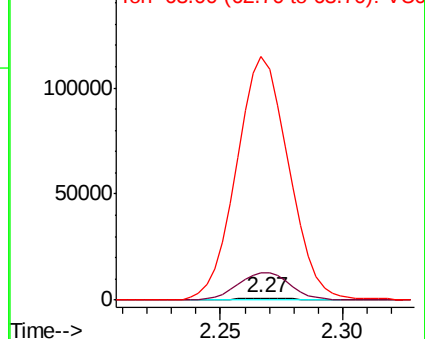
63 11196.9 152.2 282.6#

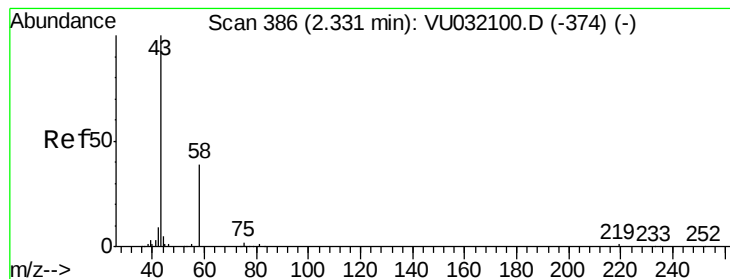


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.138 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

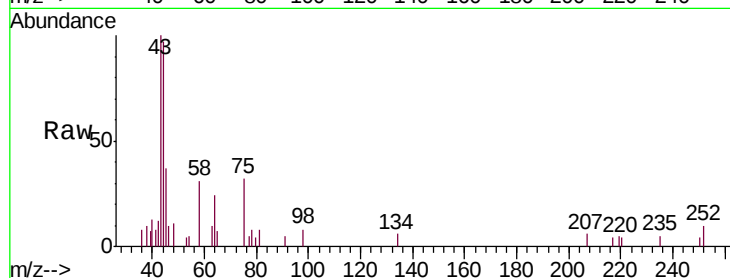
F9W12

Tgt Ion: 43 Resp: 6082

Ion Ratio Lower Upper

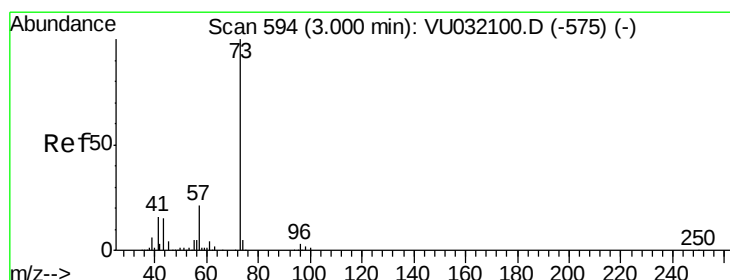
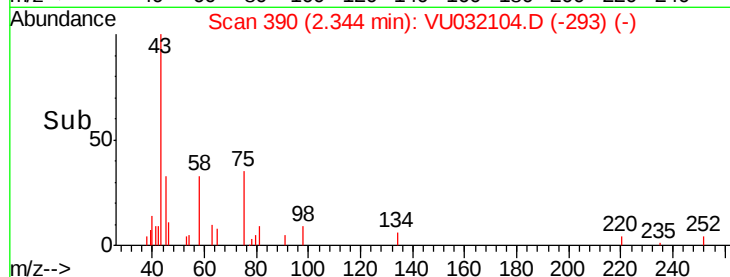
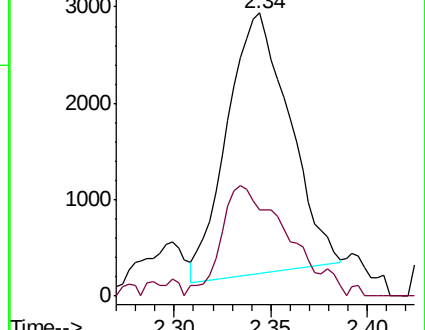
43 100

58 45.0 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032104.D (-390) (-)

Ion 58.05 (57.75 to 58.75): VU032104.D (-390) (-)



#17

Methyl tert-butyl Ether

Concen: 12.951 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

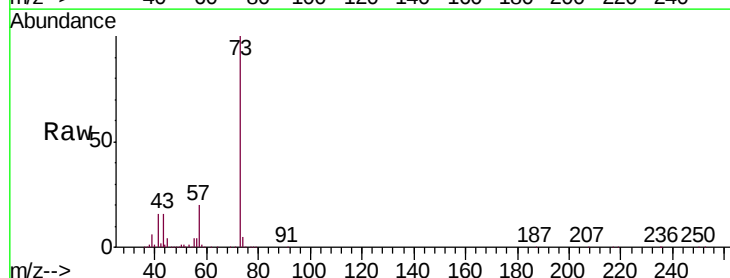
Tgt Ion: 73 Resp: 436586

Ion Ratio Lower Upper

73 100

43 15.1 13.0 19.6

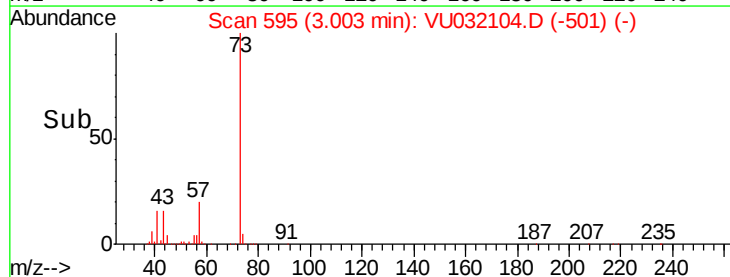
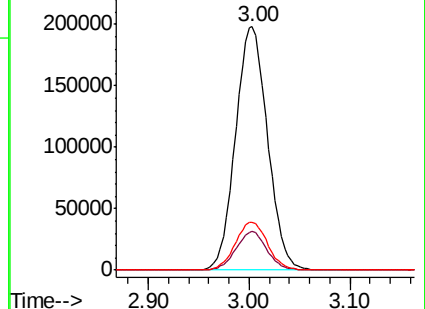
57 19.9 17.9 26.9

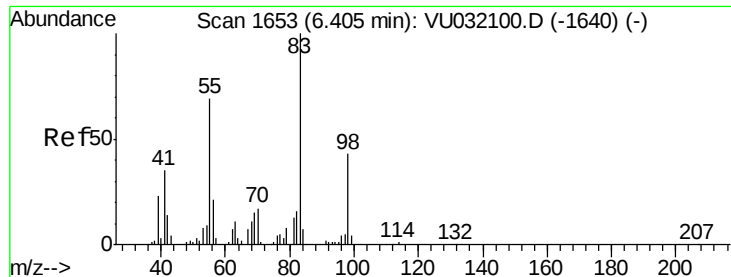


Abundance Ion 73.10 (72.80 to 73.80): VU032104.D (-595) (-)

Ion 43.05 (42.75 to 43.75): VU032104.D (-595) (-)

Ion 57.10 (56.80 to 57.80): VU032104.D (-595) (-)





#35

Methylcyclohexane

Concen: 1.459 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

F9W12

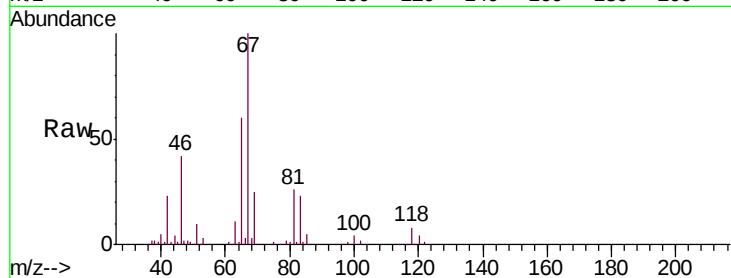
Tgt Ion: 83 Resp: 32992

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

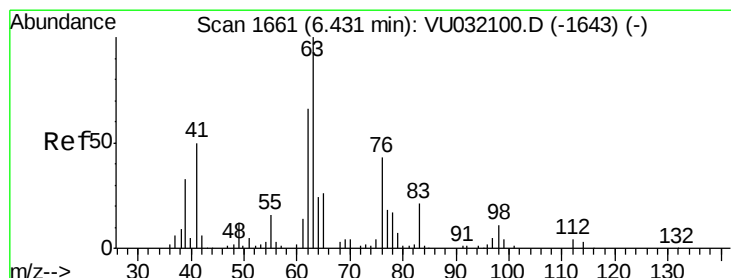
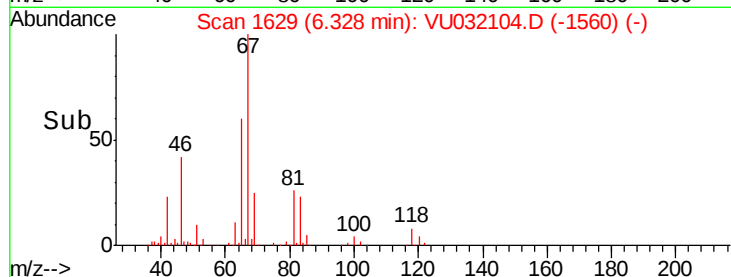
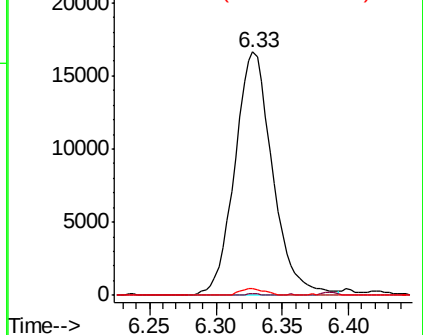
98 1.8 36.8 55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU032104.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU032104.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU032104.D (-1640) (-)



#37

1,2-Dichloropropane

Concen: 1.068 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032104.D

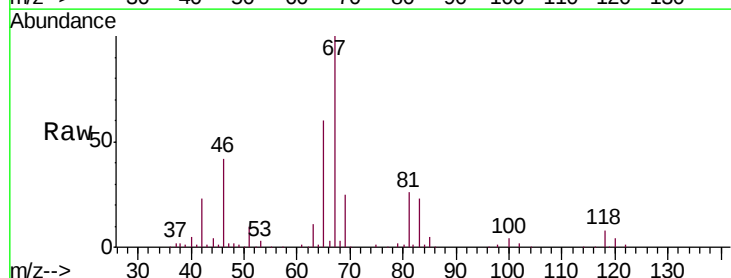
Acq: 17 May 2019 16:32

Tgt Ion: 63 Resp: 15121

Ion Ratio Lower Upper

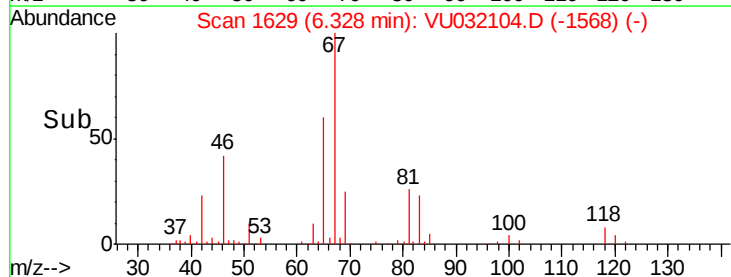
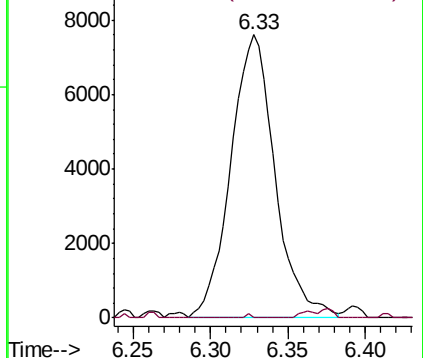
63 100

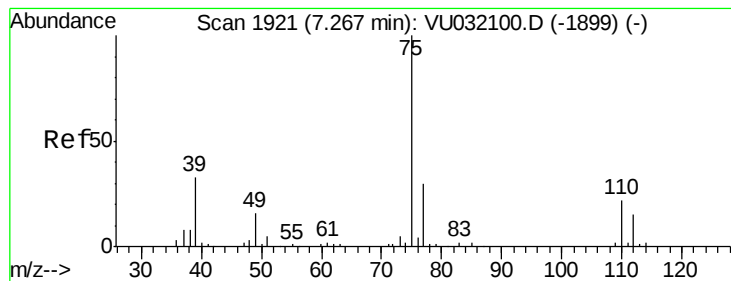
112 0.1 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU032104.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VU032104.D (-1568) (-)



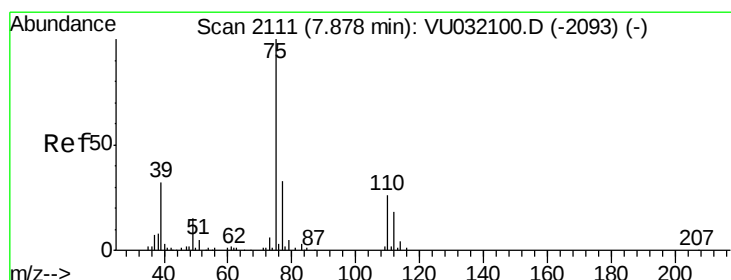
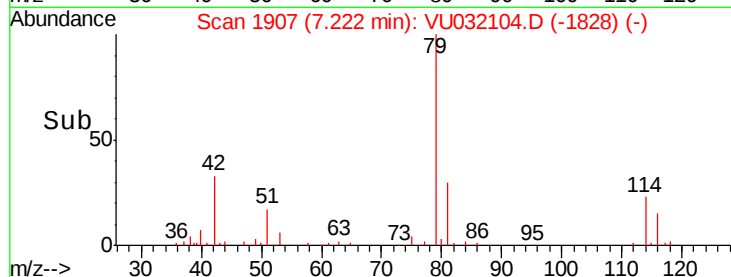
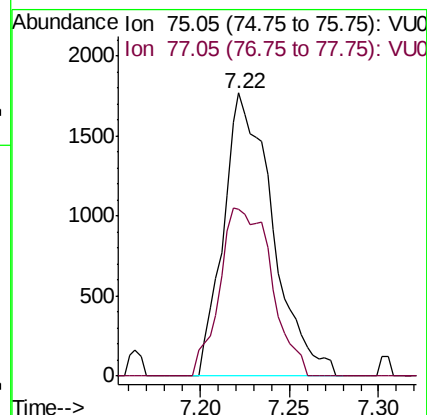
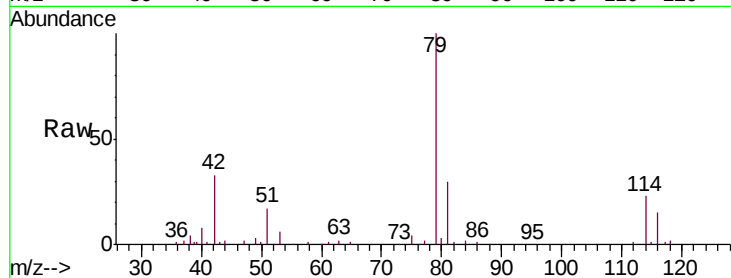


#39

cis-1,3-Dichloropropene
 Concen: 0.173 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.05 min
 Lab File: VU032104.D
 Acq: 17 May 2019 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W12

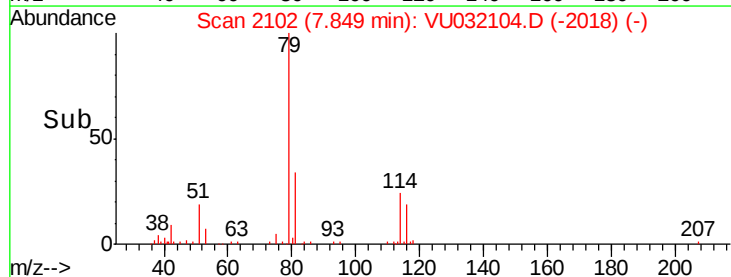
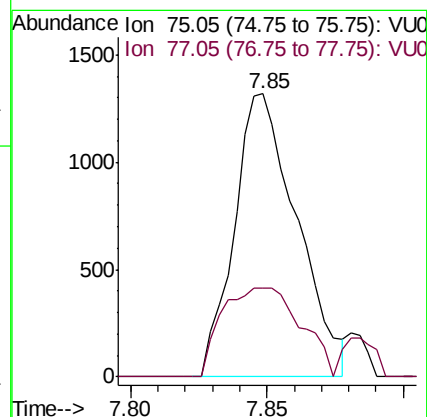
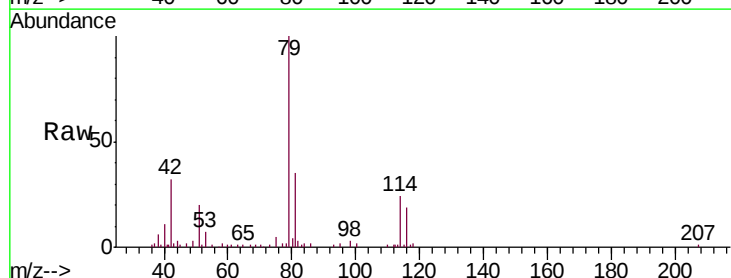
Tgt Ion: 75 Resp: 3391
 Ion Ratio Lower Upper
 75 100
 77 58.9 21.7 40.3#

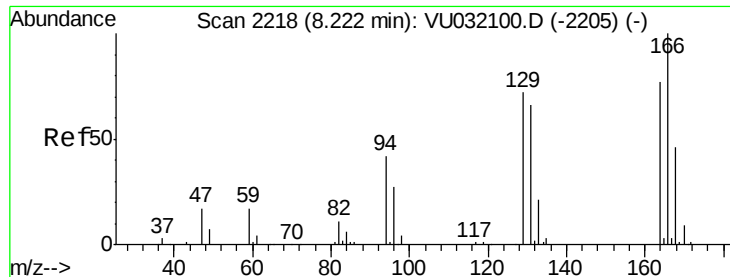


#44

trans-1,3-Dichloropropene
 Concen: 0.138 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032104.D
 Acq: 17 May 2019 16:32

Tgt Ion: 75 Resp: 2103
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.0 39.0





#47

Tetrachloroethene

Concen: 0.104 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

F9W12

Tgt Ion:164 Resp: 1224

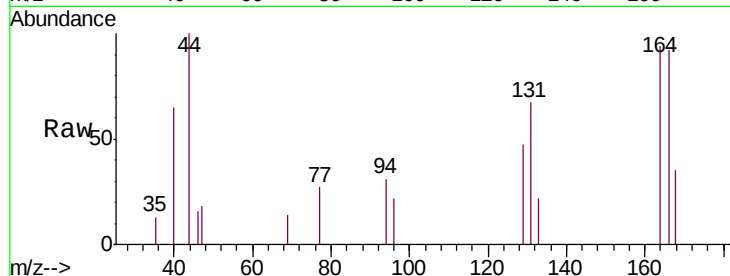
Ion Ratio Lower Upper

164 100

129 50.1 70.3 130.5#

131 71.8 64.5 119.9

166 98.3 92.3 171.5

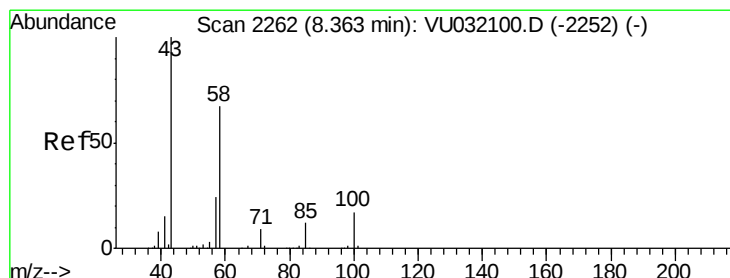
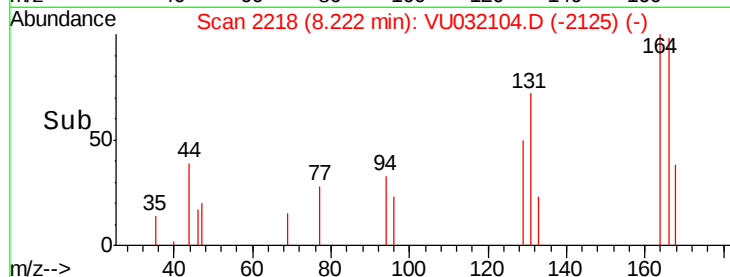
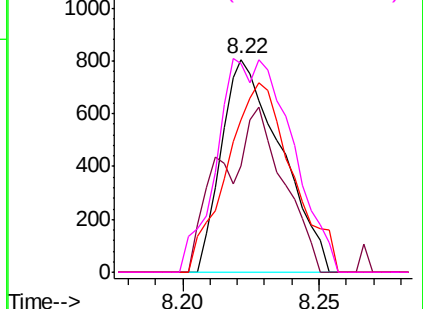


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.003 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Tgt Ion: 43 Resp: 10193

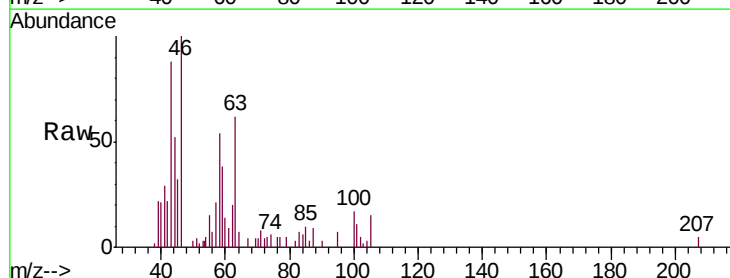
Ion Ratio Lower Upper

43 100

58 59.6 51.6 77.4

57 16.9 18.4 27.6#

100 13.1 12.2 18.4

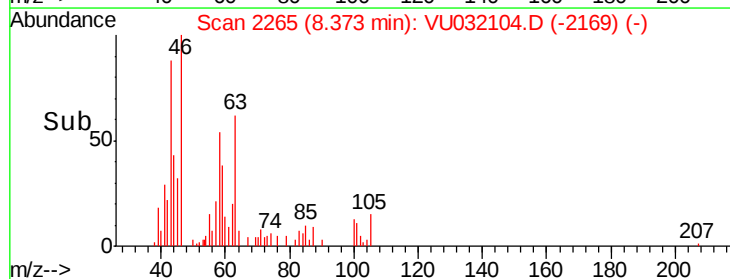
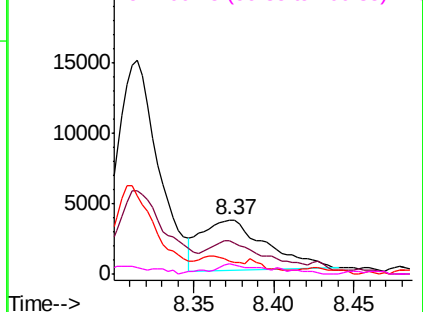


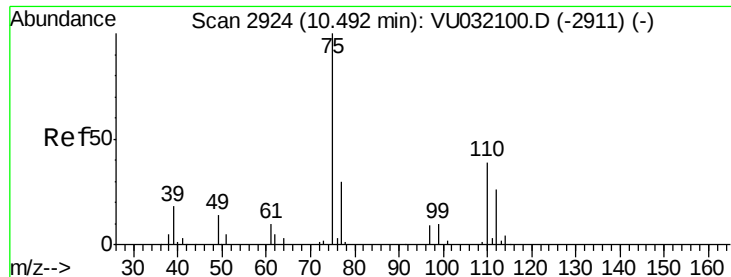
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.892 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032104.D

Acq: 17 May 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

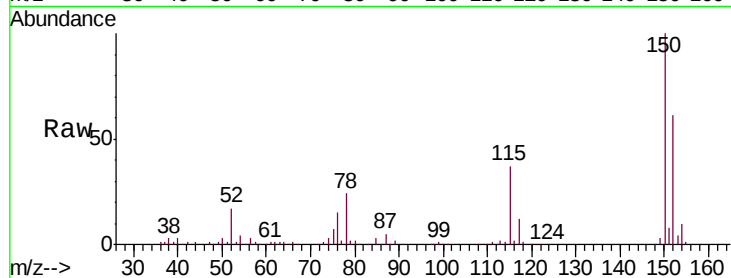
F9W12

Tgt Ion: 75 Resp: 17009

Ion Ratio Lower Upper

75 100

77 37.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

