

Data File : VU029404.D
Acq On : 11 Feb 2019 18:21
Operator : JC/SP
Sample : K1436-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESX98

Quant Time: Feb 12 01:24:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214040	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	197541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74356	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.68	69	61753	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.27	63	116324	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.19	46	144134	50.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	4.65	84	116933	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.31	65	59385	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.34	84	246301	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.33	67	73644	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.56	98	238101	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.85	79	31058	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.31	63	148105	52.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58677	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	99395	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

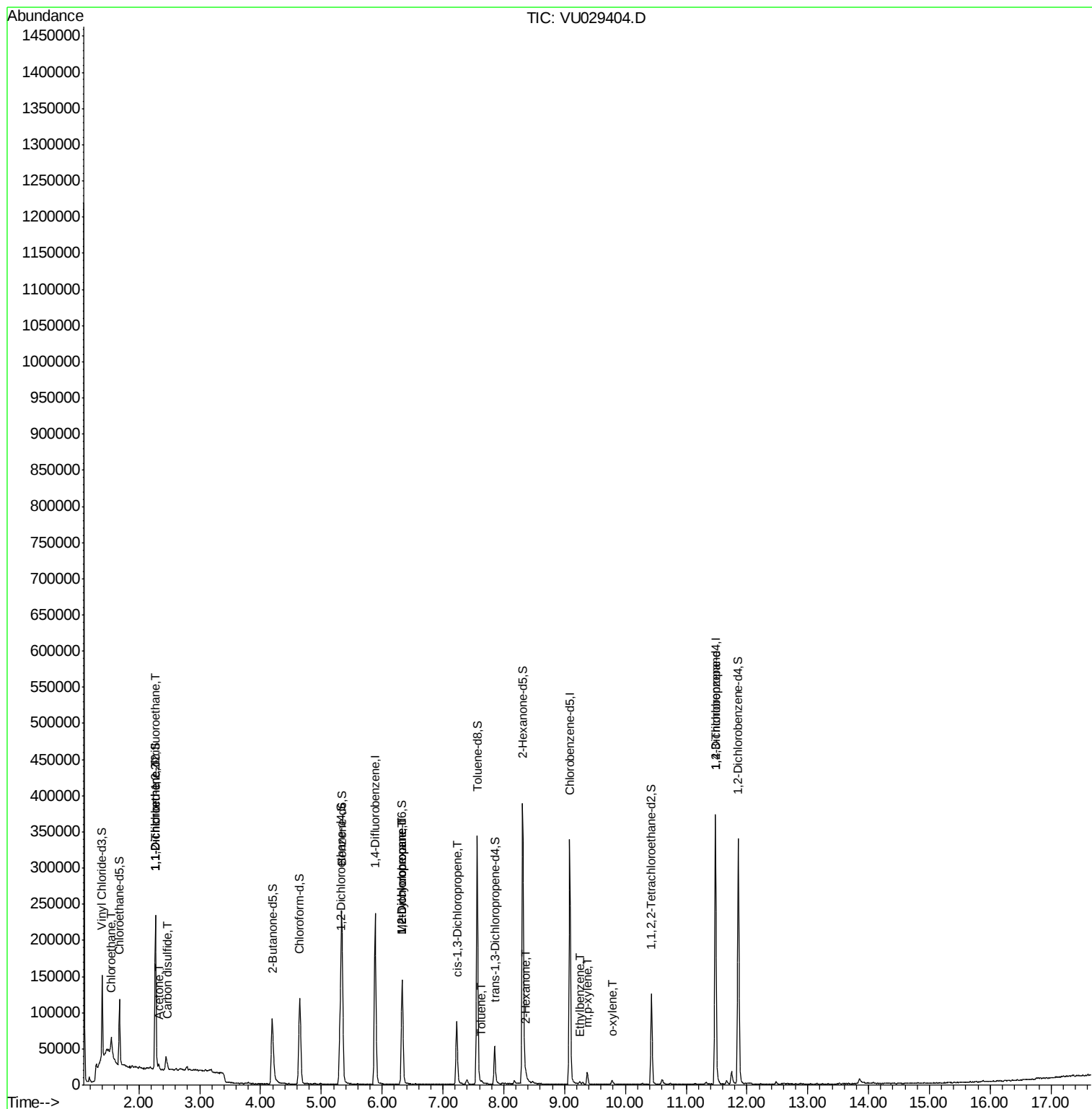
						Qvalue
8) Chloroethane	1.54	64	55895	4.890	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1402	0.084	ug/L #	27
12) 1,1-Dichloroethene	2.28	96	1023	0.065	ug/L #	1
13) Acetone	2.32	43	5867	2.577	ug/L	97
14) Carbon disulfide	2.47	76	5308	0.100	ug/L #	78
35) Methylcyclohexane	6.33	83	17194	0.695	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	8005	0.624	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2435	0.118	ug/L	90
42) Toluene	7.64	91	2123	0.037	ug/L	96
48) 2-Hexanone	8.37	43	3710	0.739	ug/L #	66
52) Ethylbenzene	9.25	91	3167	0.048	ug/L	96
53) m,p-xylene	9.38	106	5036	0.191	ug/L	86
54) o-xylene	9.78	106	1682	0.066	ug/L	73
59) 1,2,3-Trichloropropane	11.48	75	11017	1.354	ug/L #	87

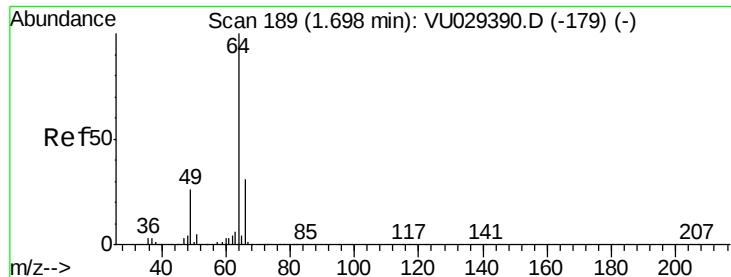
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 4.890 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.15 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

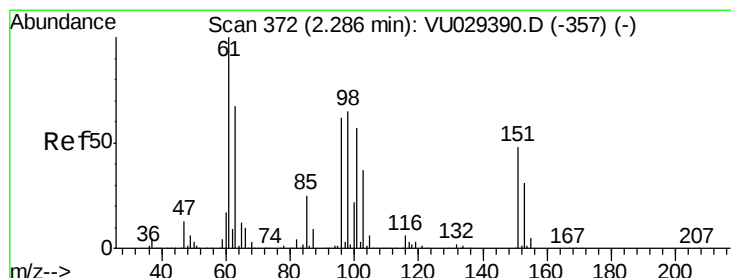
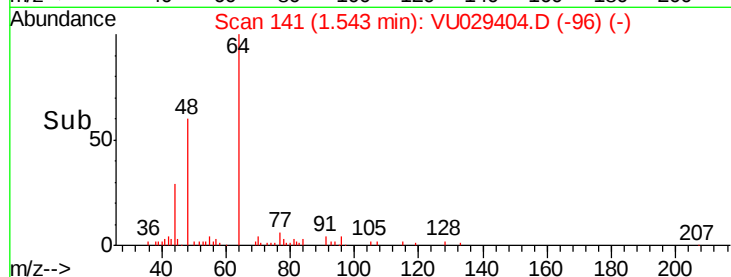
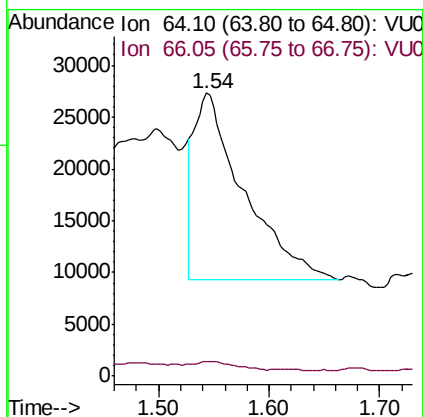
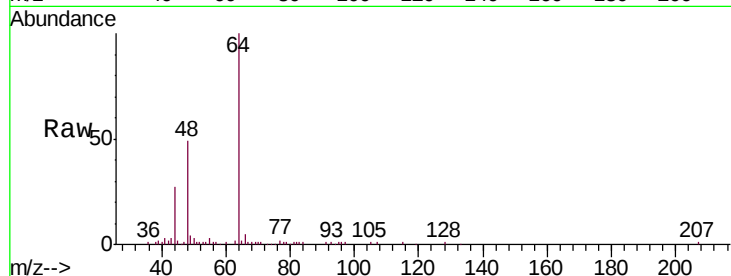
ESX98

Tgt Ion: 64 Resp: 55895

Ion Ratio Lower Upper

64 100

66 5.0 21.8 40.4#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.084 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

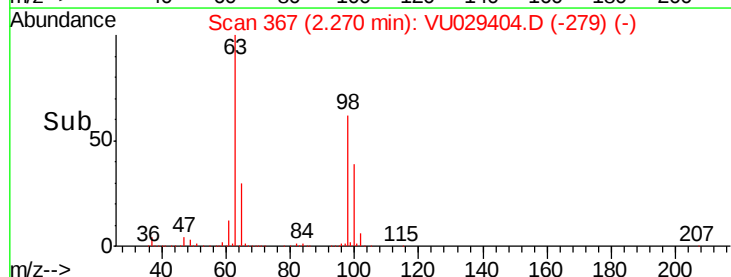
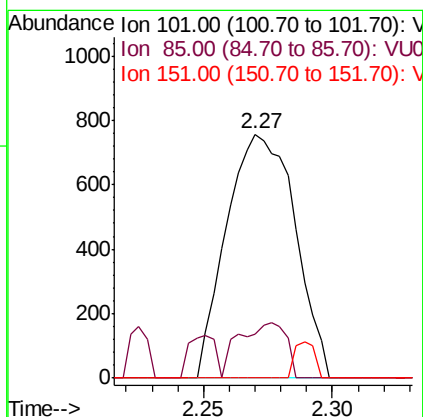
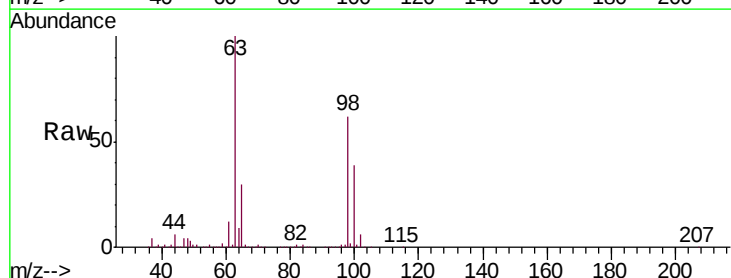
Tgt Ion: 101 Resp: 1402

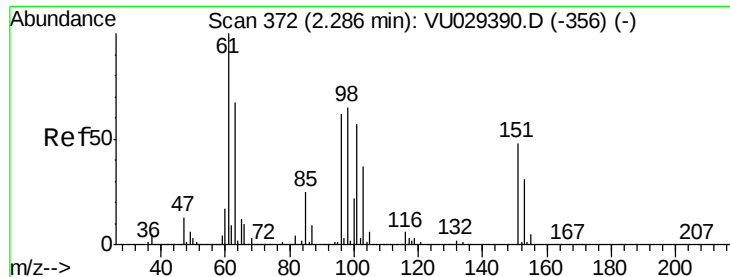
Ion Ratio Lower Upper

101 100

85 15.8 34.9 52.3#

151 4.3 67.0 100.4#

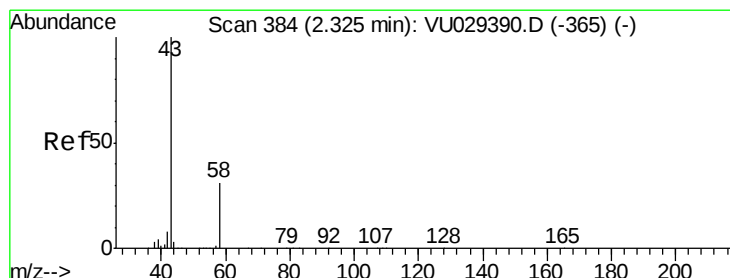
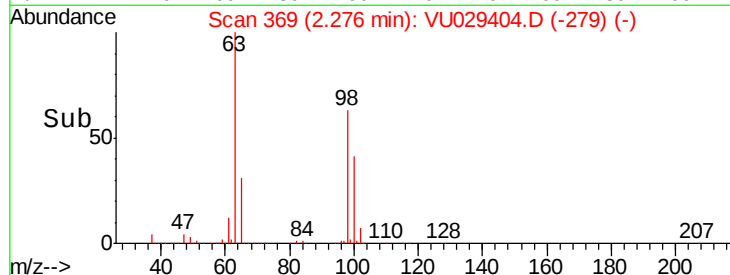
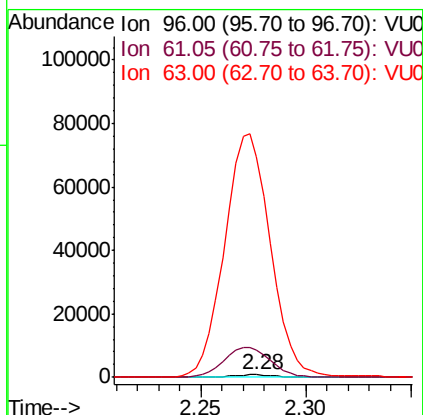
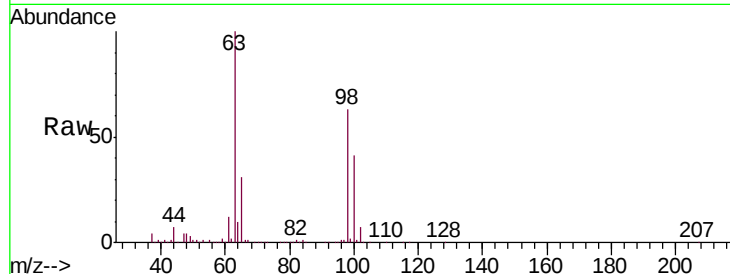




#12
 1,1-Dichloroethene
 Concen: 0.065 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029404.D
 Acq: 11 Feb 2019 18:21

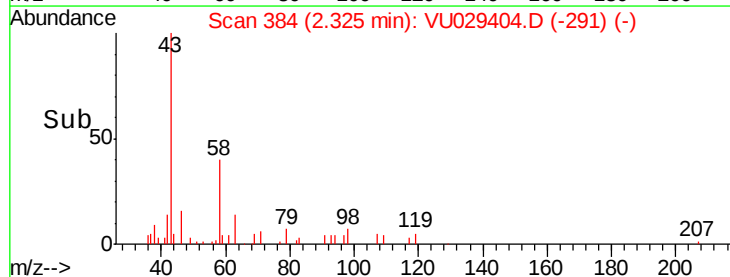
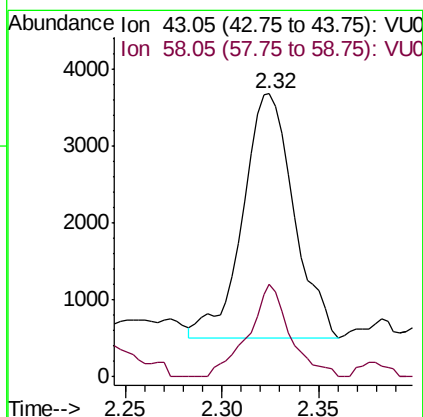
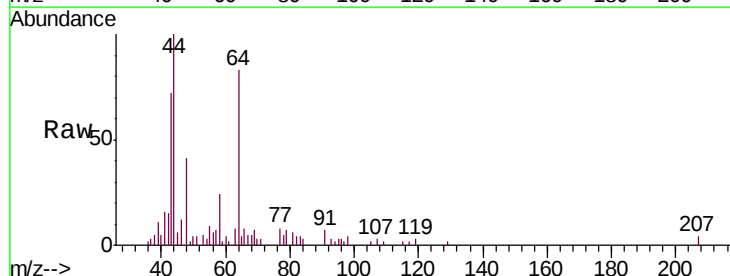
Instrument :
 MSVOA_U
 ClientSampleId :
 ESX98

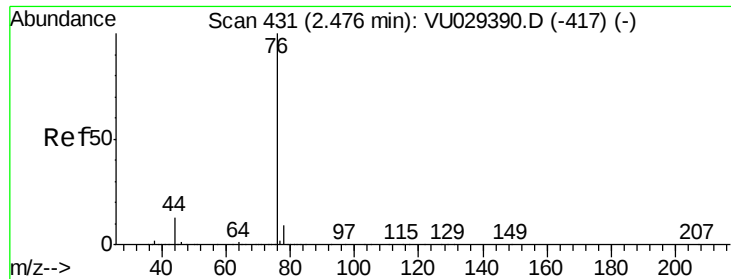
Tgt Ion: 96 Resp: 1023
 Ion Ratio Lower Upper
 96 100
 61 1107.1 112.4 208.8#
 63 9145.3 75.5 140.3#



#13
 Acetone
 Concen: 2.577 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU029404.D
 Acq: 11 Feb 2019 18:21

Tgt Ion: 43 Resp: 5867
 Ion Ratio Lower Upper
 43 100
 58 30.6 0.0 64.2





#14

Carbon disulfide

Concen: 0.100 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

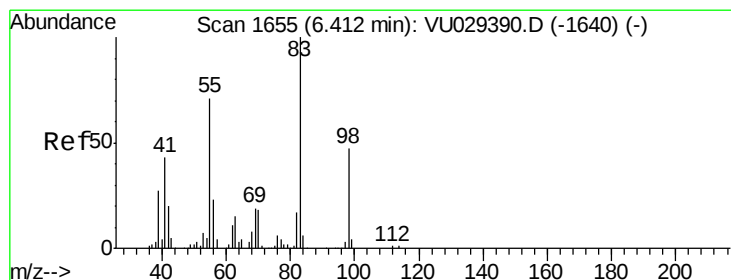
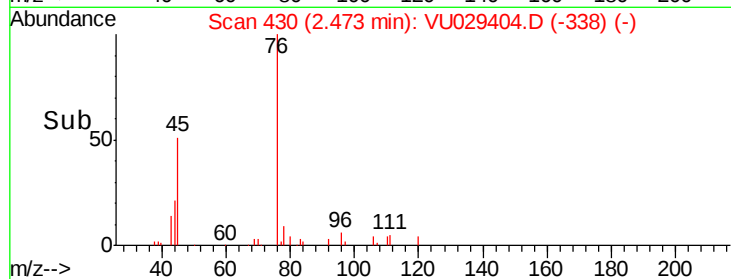
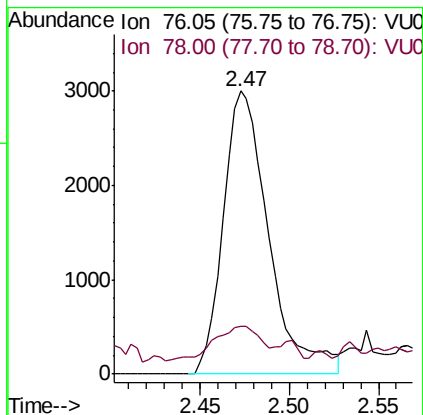
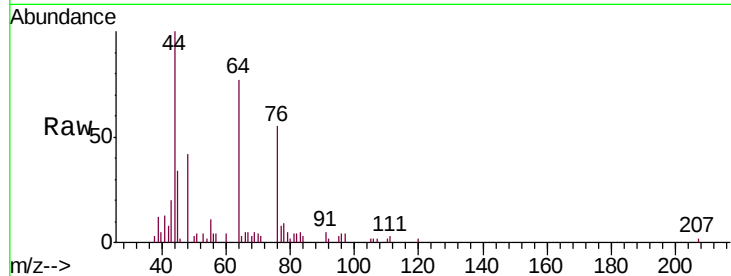
ESX98

Tgt Ion: 76 Resp: 5308

Ion Ratio Lower Upper

76 100

78 17.1 7.3 10.9#



#35

Methylcyclohexane

Concen: 0.695 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

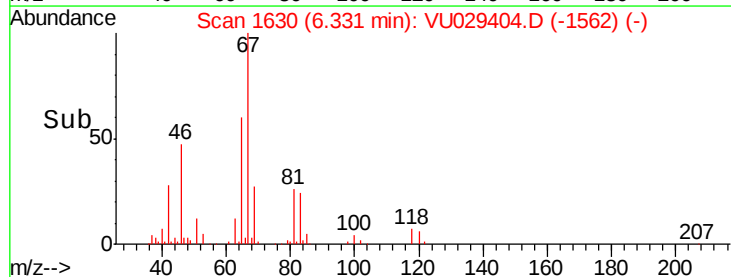
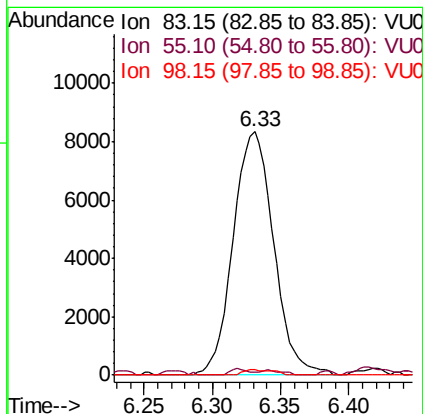
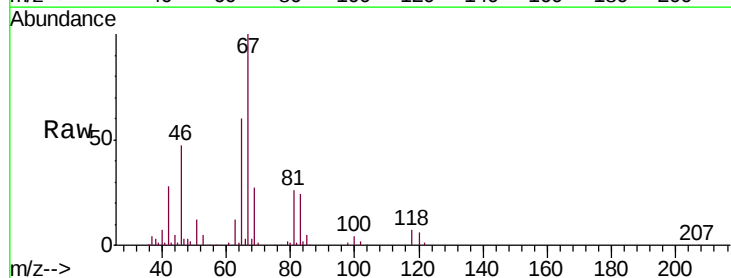
Tgt Ion: 83 Resp: 17194

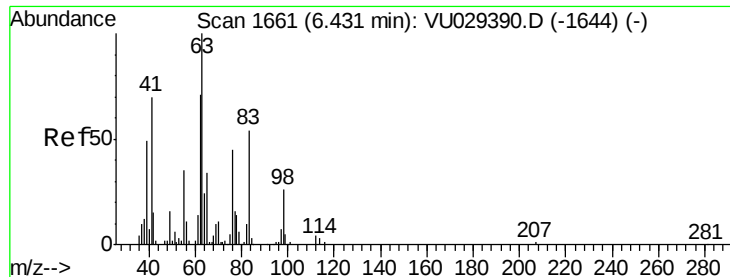
Ion Ratio Lower Upper

83 100

55 1.2 55.3 82.9#

98 1.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

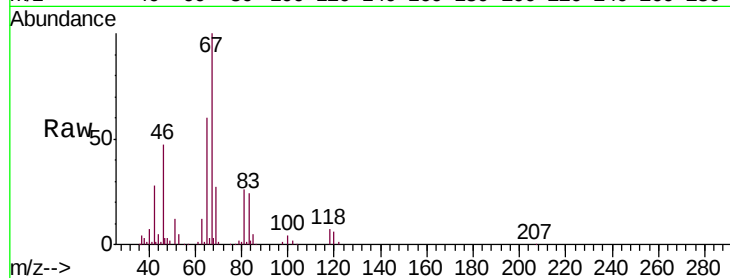
ESX98

Tgt Ion: 63 Resp: 8005

Ion Ratio Lower Upper

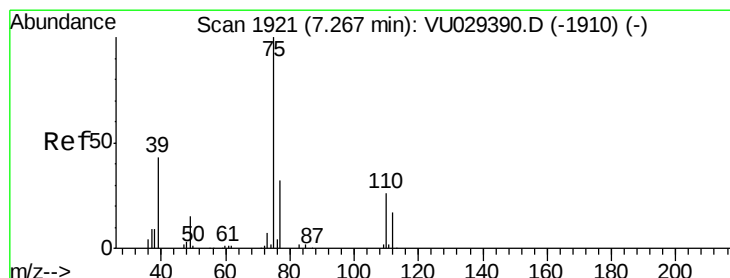
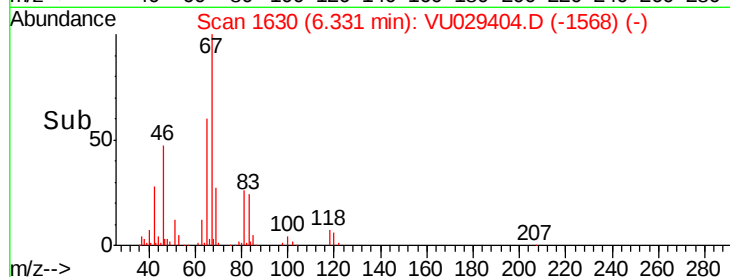
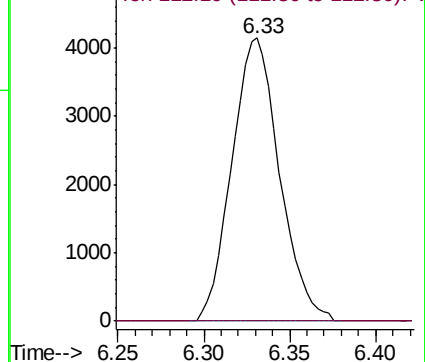
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029404.D

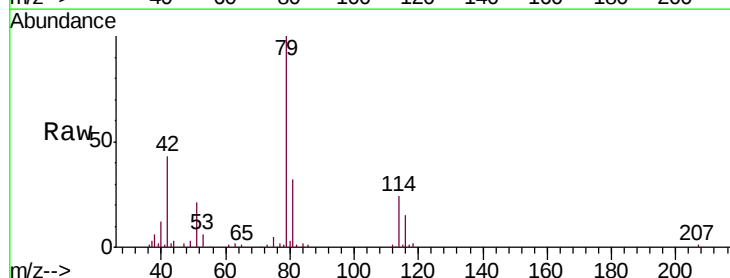
Acq: 11 Feb 2019 18:21

Tgt Ion: 75 Resp: 2435

Ion Ratio Lower Upper

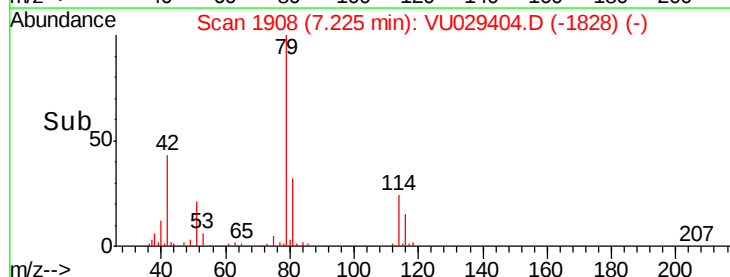
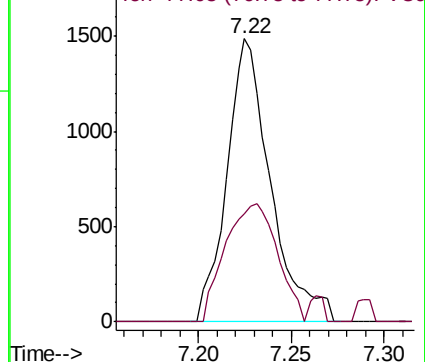
75 100

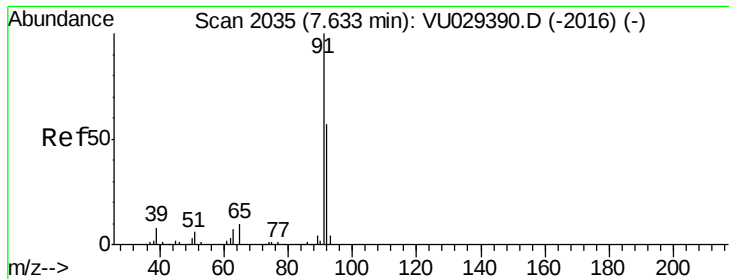
77 38.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.037 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

Instrument :

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ClientSampleId :

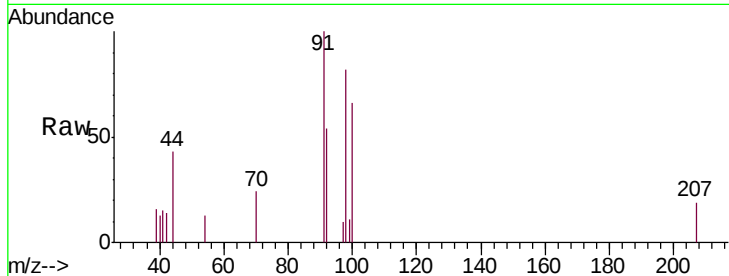
ESX98

Tgt Ion: 91 Resp: 2123

Ion Ratio Lower Upper

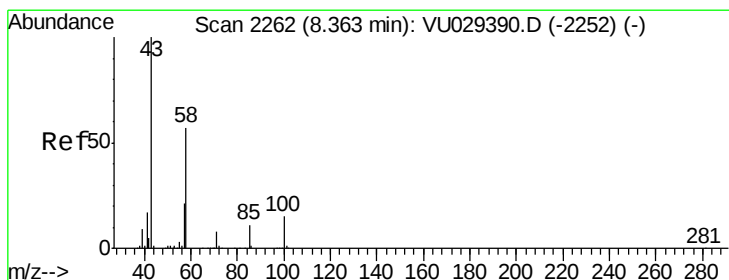
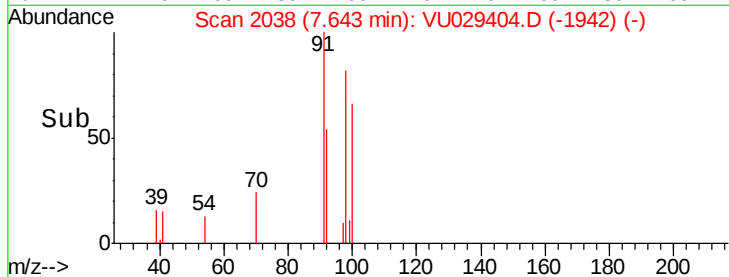
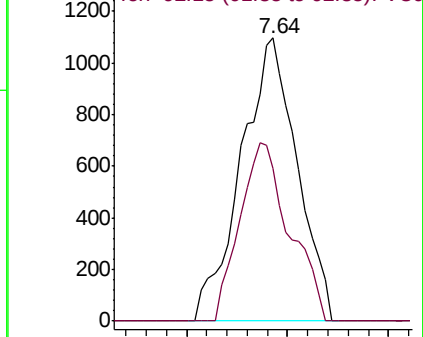
91 100

92 54.0 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 0.739 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU029404.D

Acq: 11 Feb 2019 18:21

Tgt Ion: 43 Resp: 3710

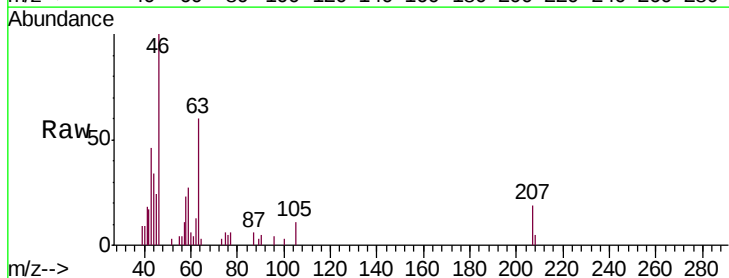
Ion Ratio Lower Upper

43 100

58 26.1 45.8 68.6#

57 27.5 16.4 24.6#

100 2.4 11.4 17.0#

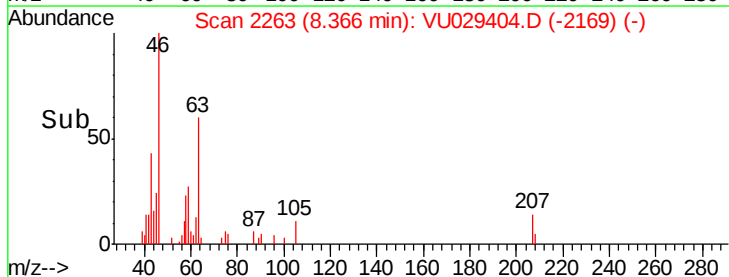
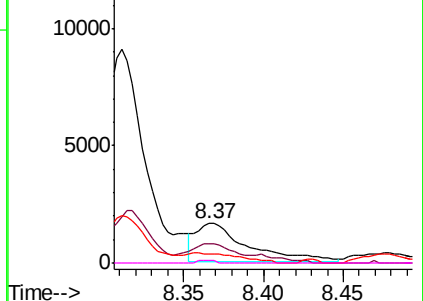


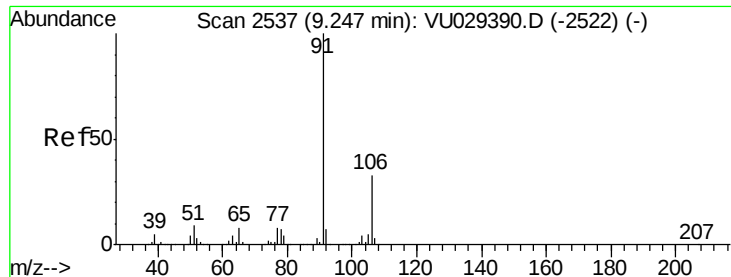
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#52

Ethylbenzene

Concen: 0.048 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

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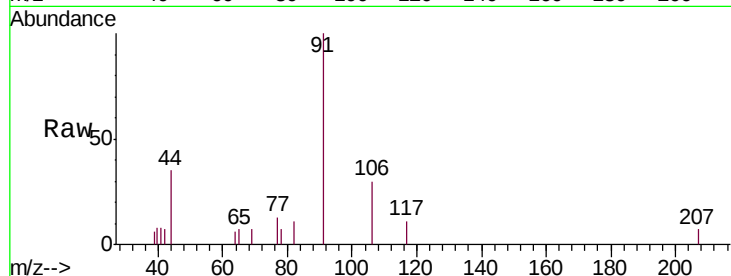
ESX98

Tgt Ion: 91 Resp: 3167

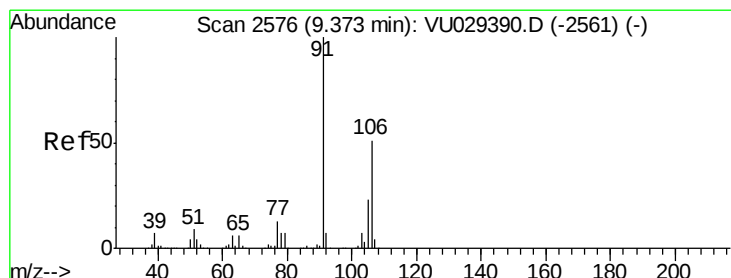
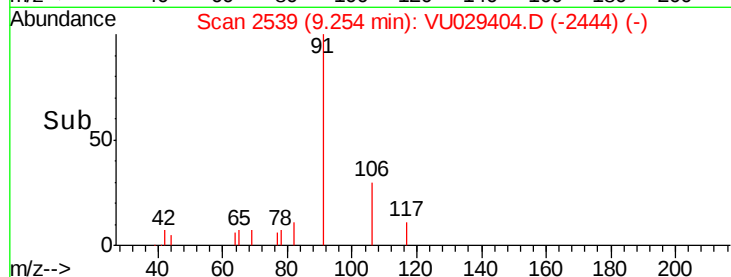
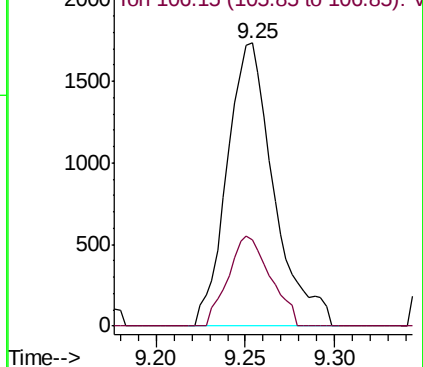
Ion Ratio Lower Upper

91 100

106 30.4 23.0 42.8



Abundance Ion 91.15 (90.85 to 91.85): VU029390.D (-2522) (-)



#53

m,p-xylene

Concen: 0.191 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029404.D

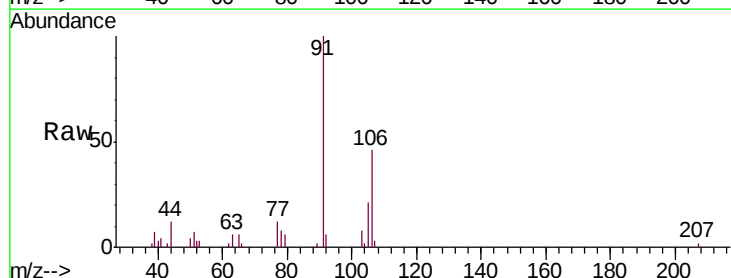
Acq: 11 Feb 2019 18:21

Tgt Ion: 106 Resp: 5036

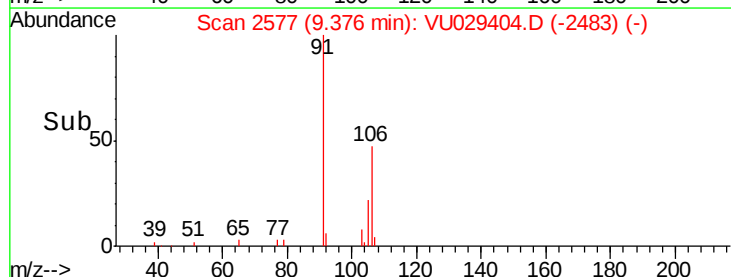
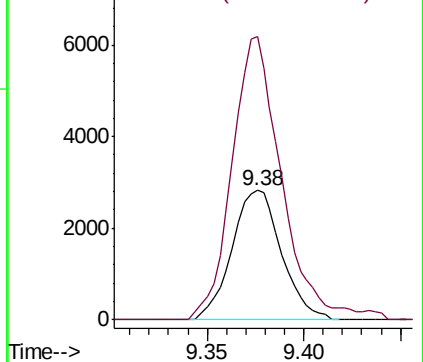
Ion Ratio Lower Upper

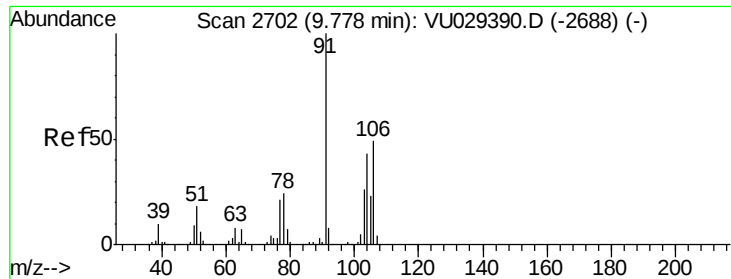
106 100

91 218.4 138.4 257.0



Abundance Ion 106.15 (105.85 to 106.85): VU029390.D (-2561) (-)





#54

o-xylene

Concen: 0.066 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

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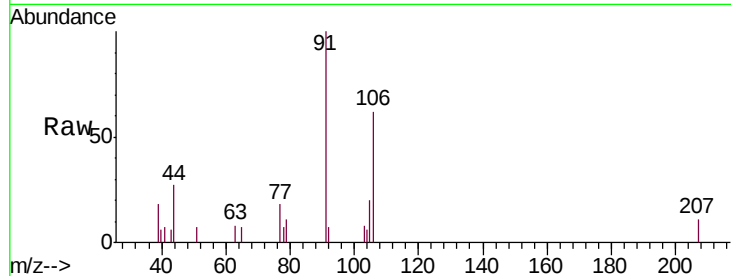
ESX98

Tgt Ion: 106 Resp: 1682

Ion Ratio Lower Upper

106 100

91 161.7 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU029390.D (-2688) (-)

Ion 91.15 (90.85 to 91.85): VU029390.D (-2688) (-)

2000

1500

1000

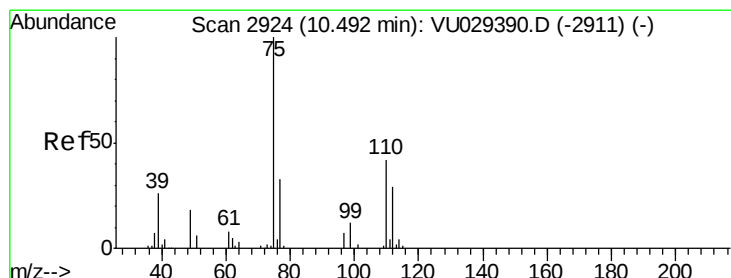
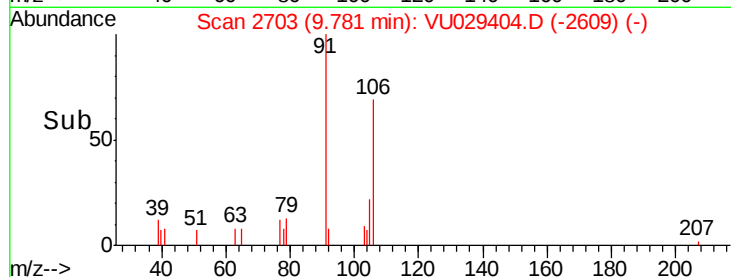
500

0

9.75

9.80

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.354 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029404.D

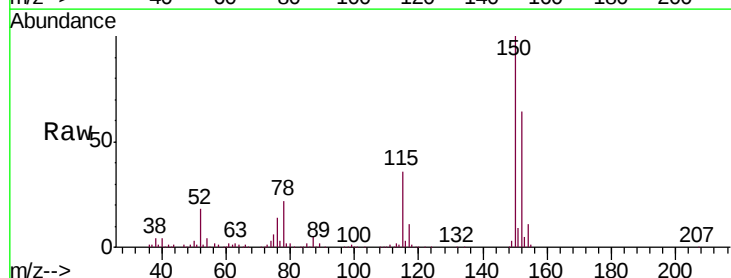
Acq: 11 Feb 2019 18:21

Tgt Ion: 75 Resp: 11017

Ion Ratio Lower Upper

75 100

77 39.4 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU029390.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029390.D (-2911) (-)

6000

4000

2000

0

11.40

11.45

11.50

11.55

Time-->

