

Data File : VU029430.D
Acq On : 12 Feb 2019 19:18
Operator : JC/SP
Sample : K1436-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB1

Quant Time: Feb 13 03:30:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 03:26:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194716	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	184494	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97960	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68270	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.68	69	60361	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.27	63	112325	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.19	46	145265	53.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.80%
24) Chloroform-d	4.65	84	108210	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	58212	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.34	84	243065	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.33	67	72285	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.56	98	232825	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.85	79	27579	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.31	63	143289	53.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57160	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	99184	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

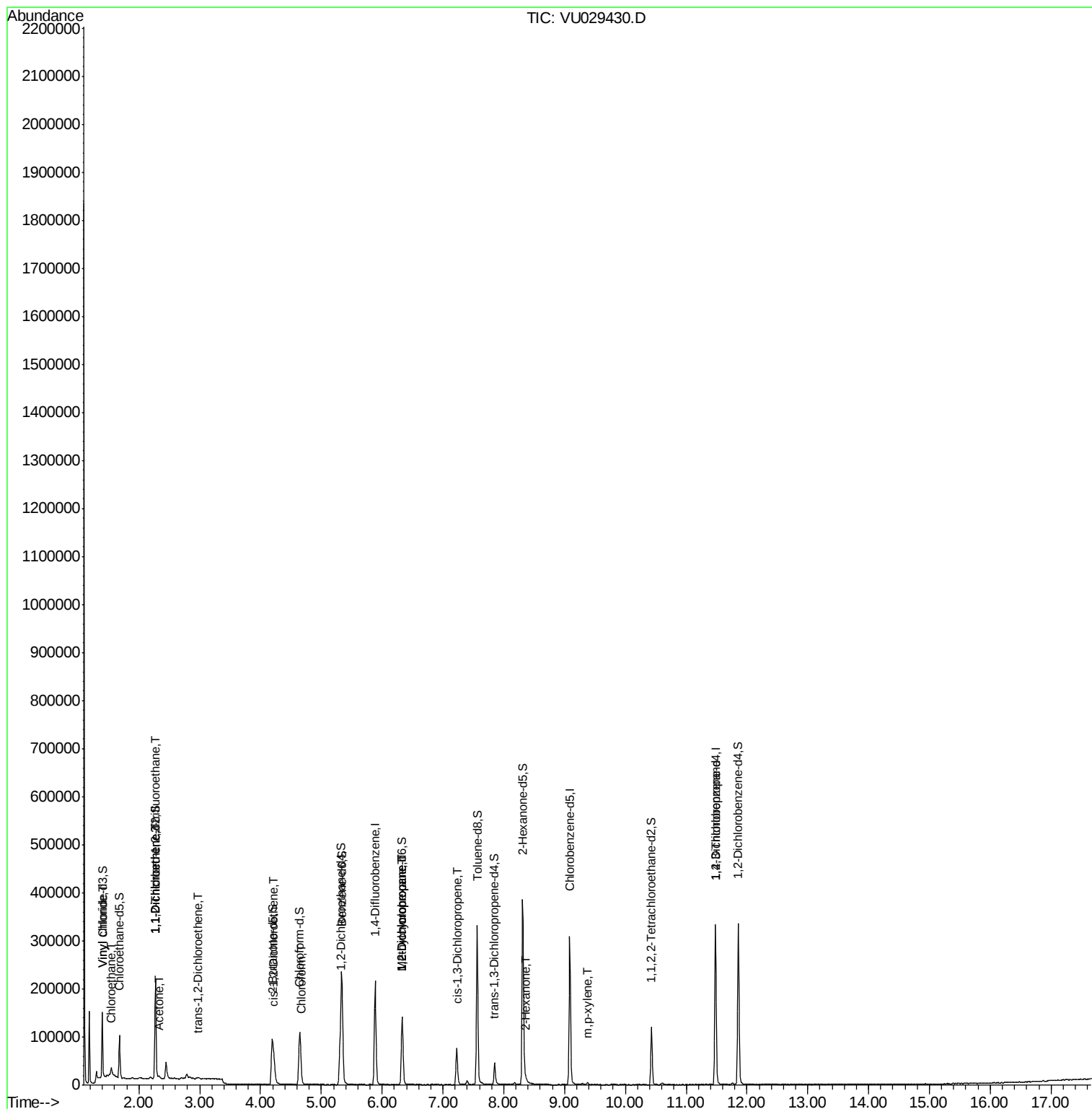
					Qvalue	
5) Vinyl chloride	1.40	62	17864	0.953	ug/L #	26
8) Chloroethane	1.55	64	19805	1.622	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1182	0.070	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1184	0.074	ug/L #	1
13) Acetone	2.32	43	5157	2.087	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	1185	0.069	ug/L #	72
22) cis-1,2-Dichloroethene	4.22	96	17144	1.091	ug/L	99
25) Chloroform	4.68	83	6269	0.243	ug/L	93
35) Methylcyclohexane	6.33	83	16566	0.645	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7431	0.546	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2229	0.104	ug/L #	79
48) 2-Hexanone	8.37	43	2349	0.411	ug/L #	43
53) m,p-xylene	9.38	106	1408	0.051	ug/L	82
59) 1,2,3-Trichloropropane	11.48	75	9300	1.066	ug/L	91

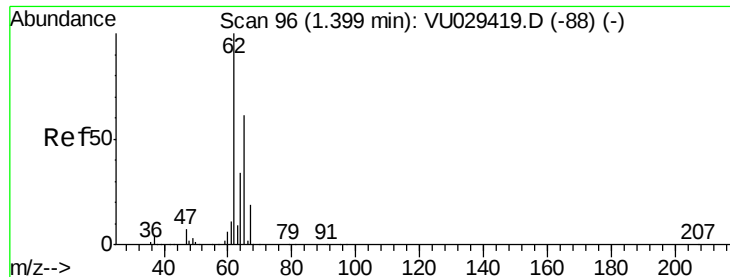
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.953 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

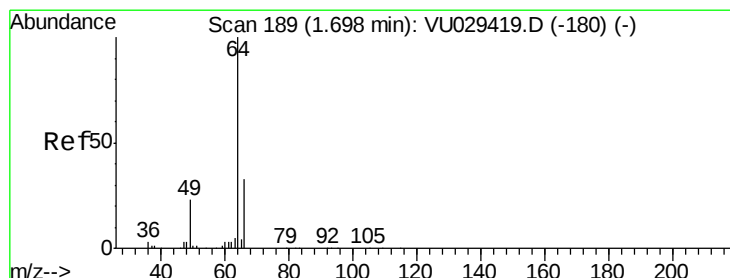
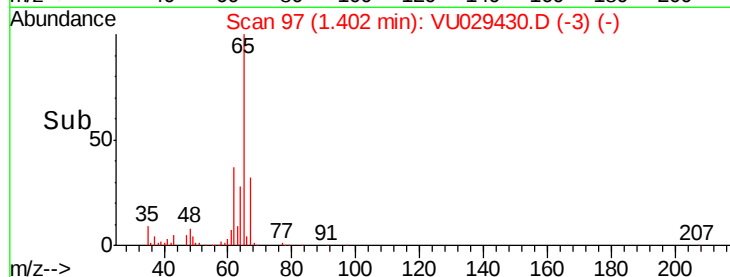
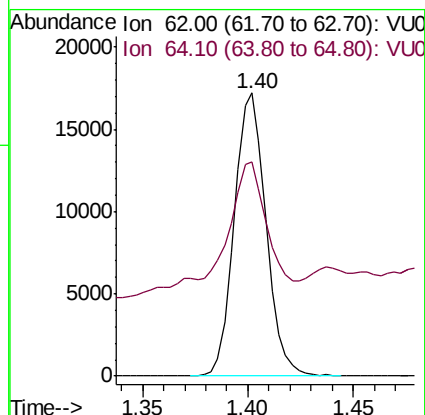
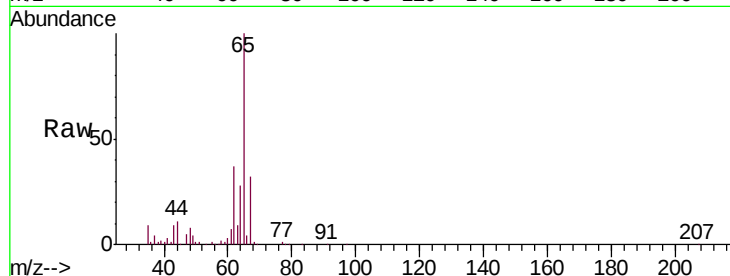
ESXB1

Tgt Ion: 62 Resp: 17864

Ion Ratio Lower Upper

62 100

64 75.7 23.5 43.7#



#8

Chloroethane

Concen: 1.622 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029430.D

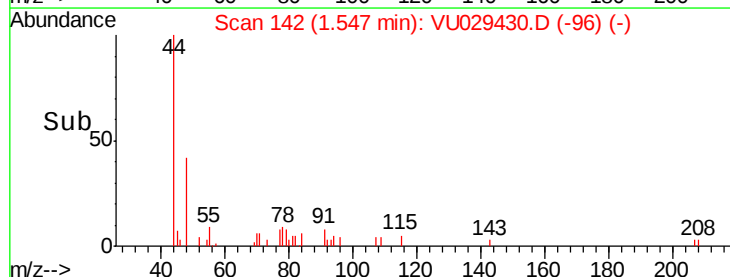
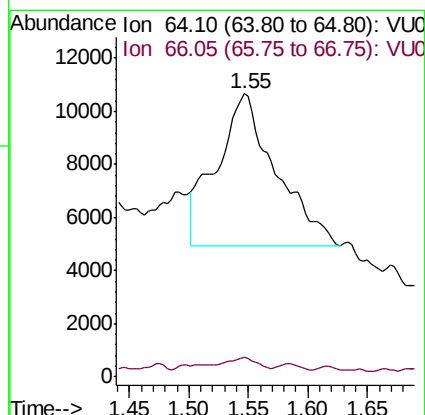
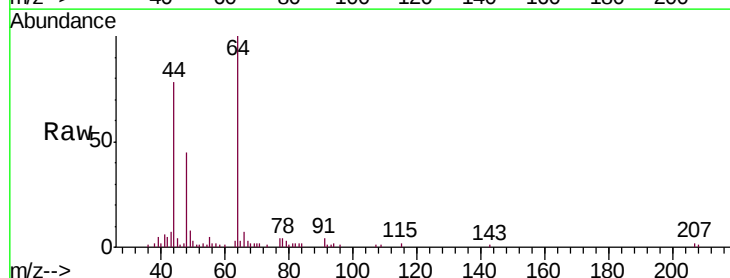
Acq: 12 Feb 2019 19:18

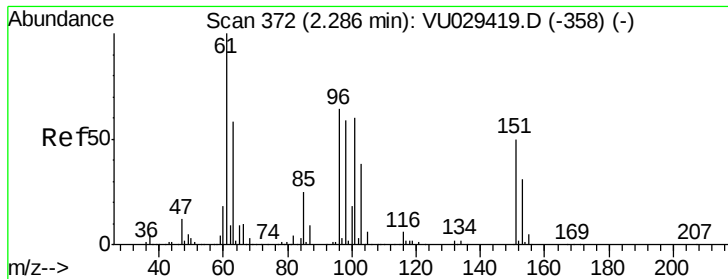
Tgt Ion: 64 Resp: 19805

Ion Ratio Lower Upper

64 100

66 6.8 22.0 40.8#





#10

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

Concen: 0.070 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Instrument :

MSVOA_U

ClientSampled :

ESXB1

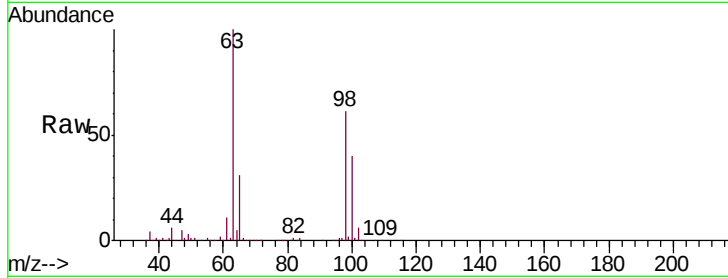
Tgt Ion: 101 Resp: 1182

Ion Ratio Lower Upper

101 100

85 1.8 35.1 52.7#

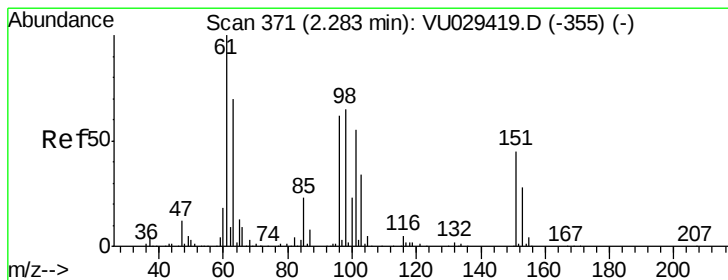
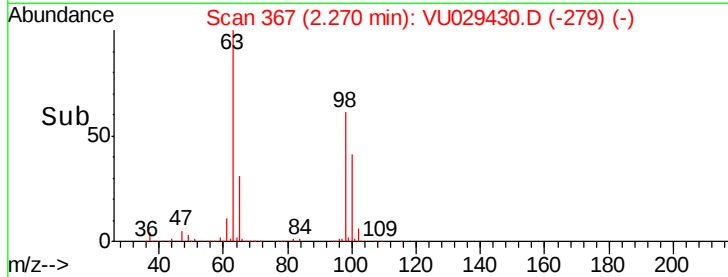
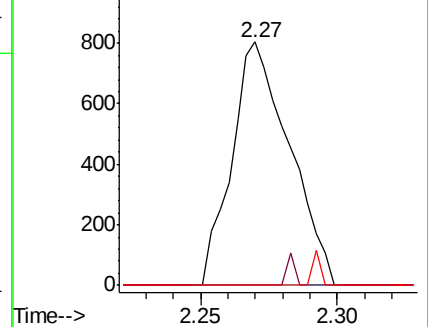
151 1.9 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

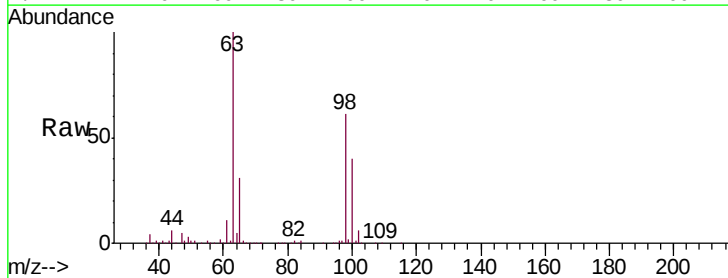
Tgt Ion: 96 Resp: 1184

Ion Ratio Lower Upper

96 100

61 1291.7 115.1 213.7#

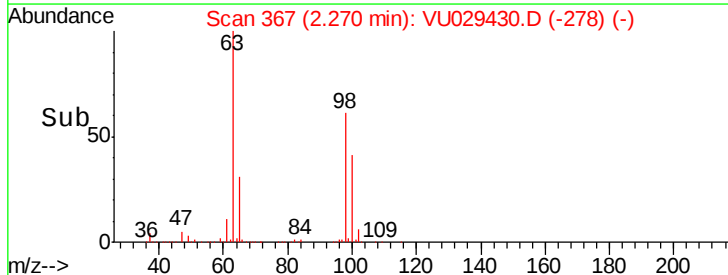
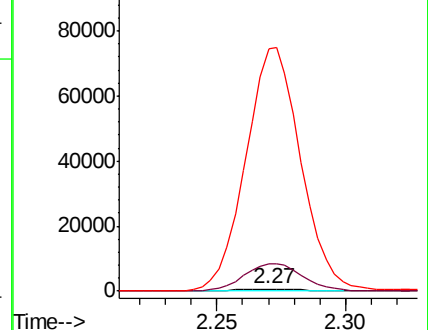
63 11676.0 83.5 155.1#

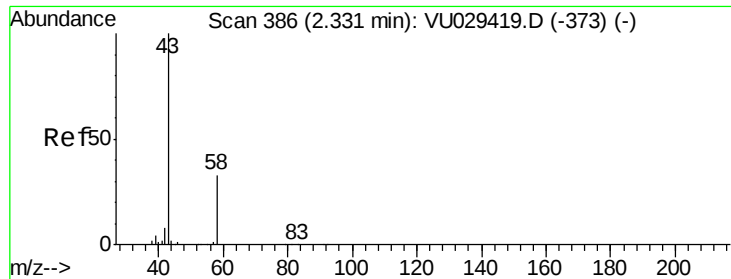


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.087 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

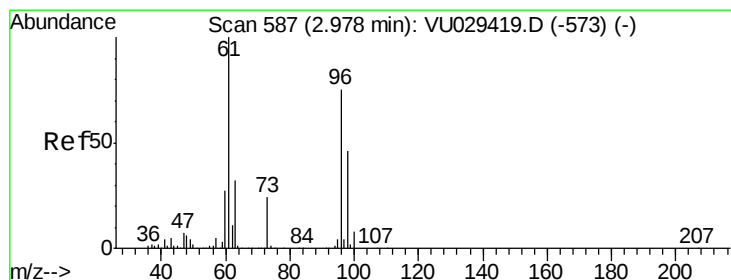
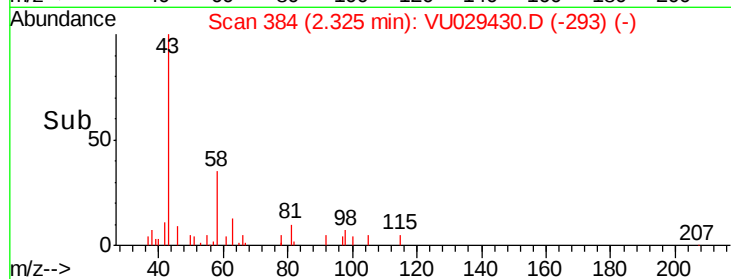
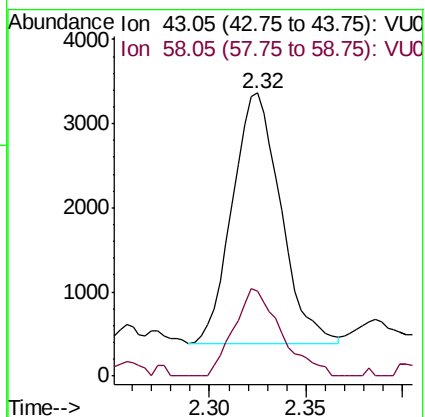
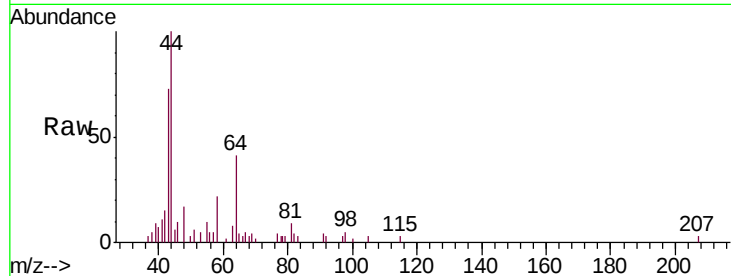
ESXB1

Tgt Ion: 43 Resp: 5157

Ion Ratio Lower Upper

43 100

58 34.3 0.0 65.0



#18

trans-1,2-Dichloroethene

Concen: 0.069 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

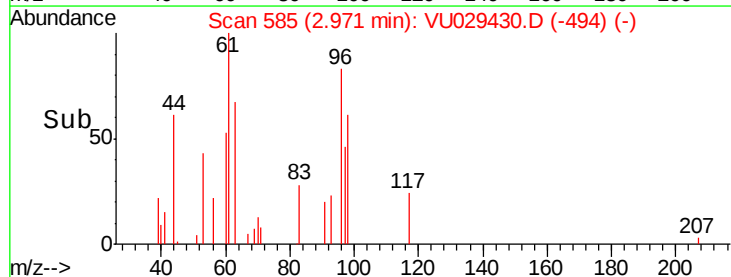
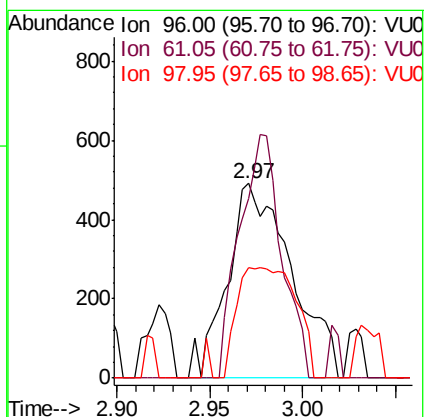
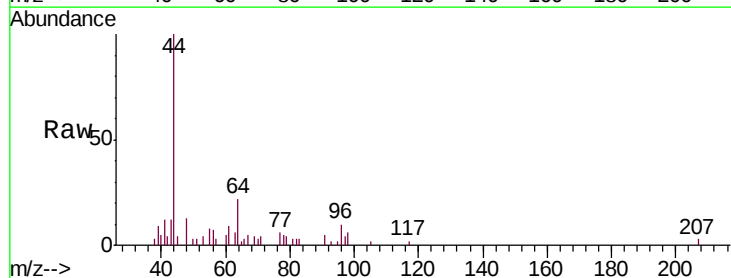
Tgt Ion: 96 Resp: 1185

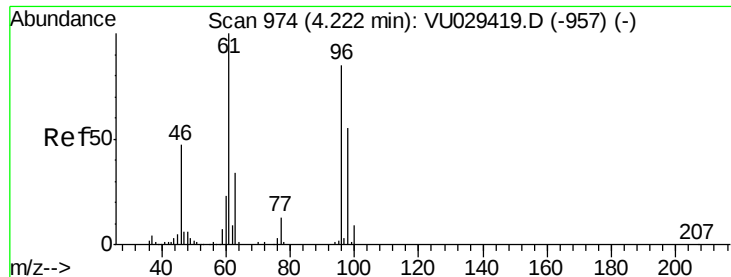
Ion Ratio Lower Upper

96 100

61 92.5 95.4 177.2#

98 56.8 45.8 85.2



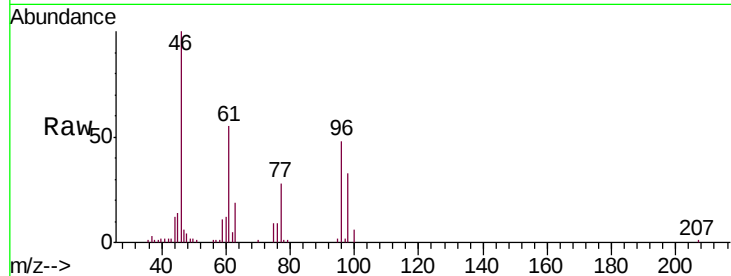


#22

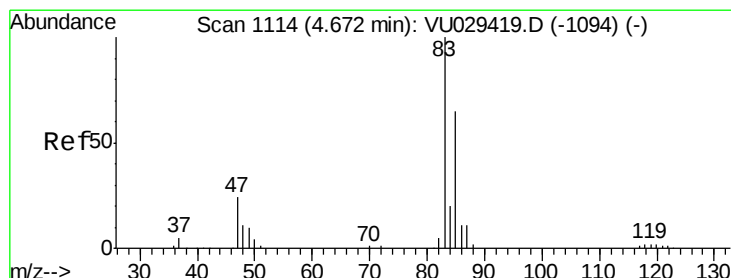
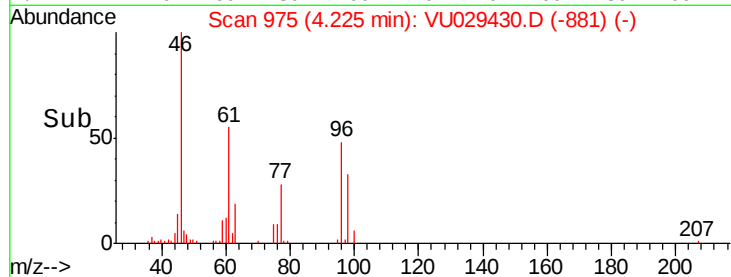
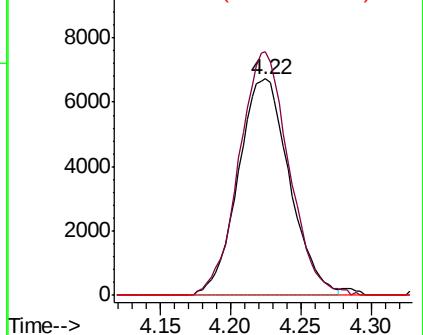
cis-1,2-Dichloroethene
 Concen: 1.091 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029430.D
 Acq: 12 Feb 2019 19:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB1

Tgt Ion: 96 Resp: 17144
 Ion Ratio Lower Upper
 96 100
 61 112.6 79.9 148.5
 68 0.0 0.0 0.0



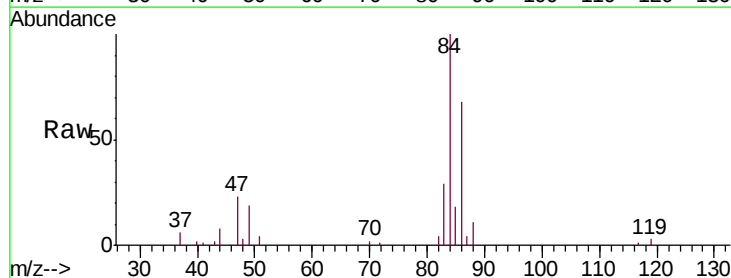
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



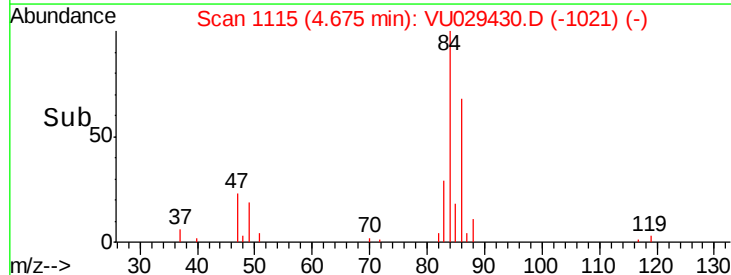
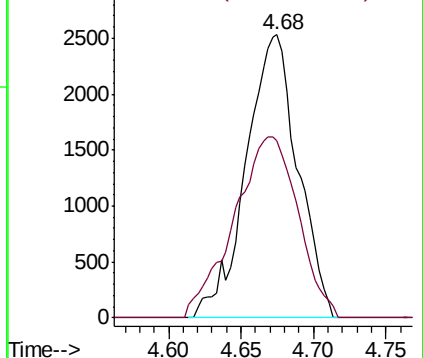
#25

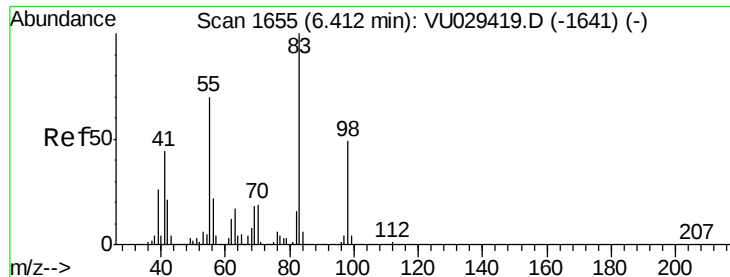
Chloroform
 Concen: 0.243 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VU029430.D
 Acq: 12 Feb 2019 19:18

Tgt Ion: 83 Resp: 6269
 Ion Ratio Lower Upper
 83 100
 85 62.4 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 0.645 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

ESXB1

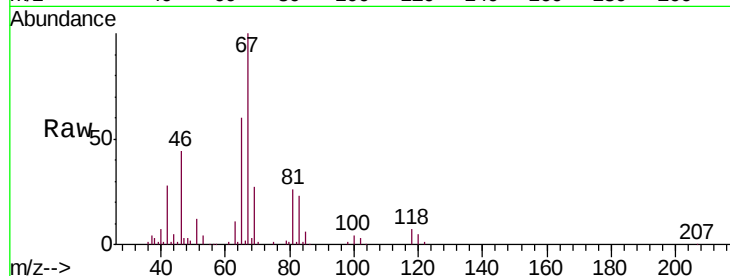
Tgt Ion: 83 Resp: 16566

Ion Ratio Lower Upper

83 100

55 0.7 55.9 83.9#

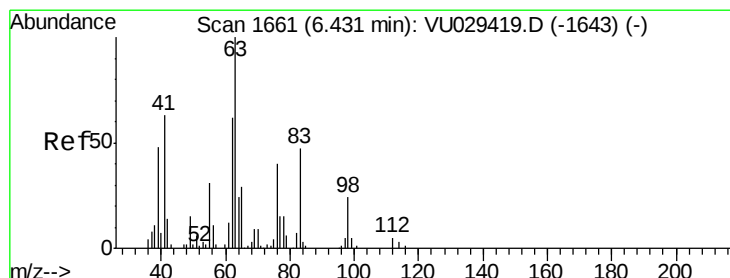
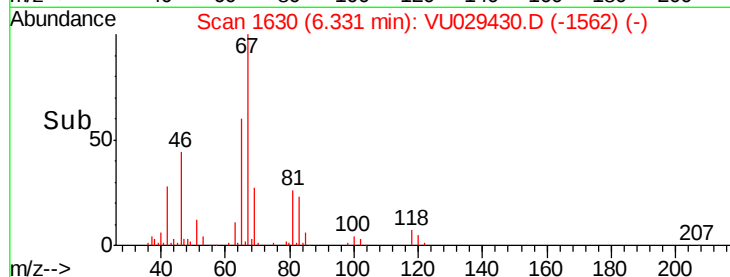
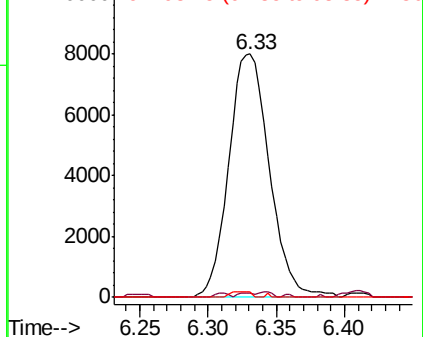
98 1.2 38.6 57.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.546 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029430.D

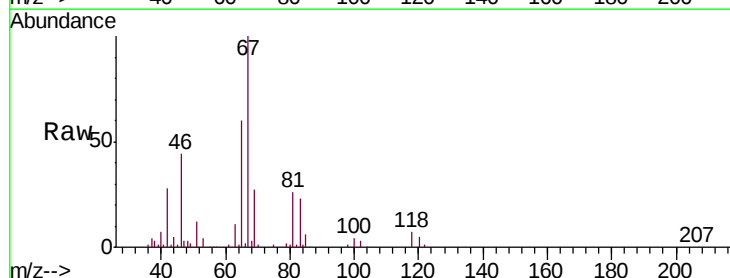
Acq: 12 Feb 2019 19:18

Tgt Ion: 63 Resp: 7431

Ion Ratio Lower Upper

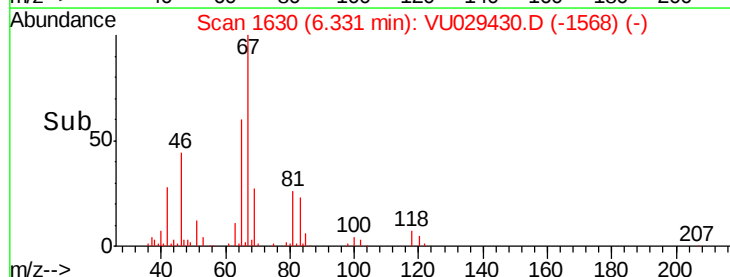
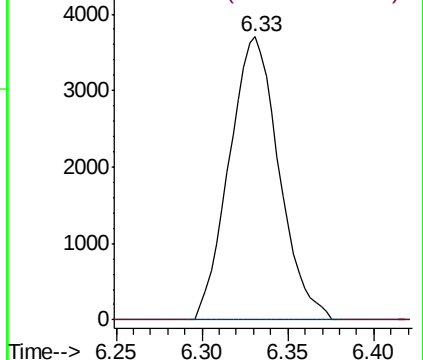
63 100

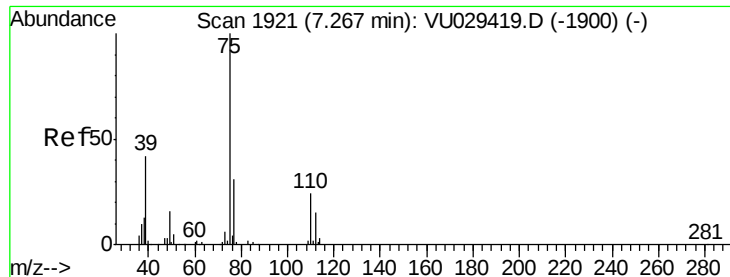
112 0.0 3.5 5.3#



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: 0.104 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Instrument :

MSVOA_U

ClientSampled :

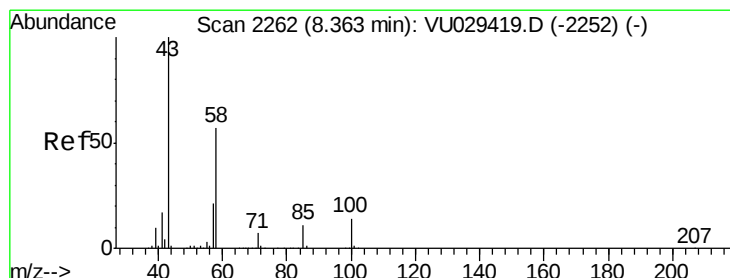
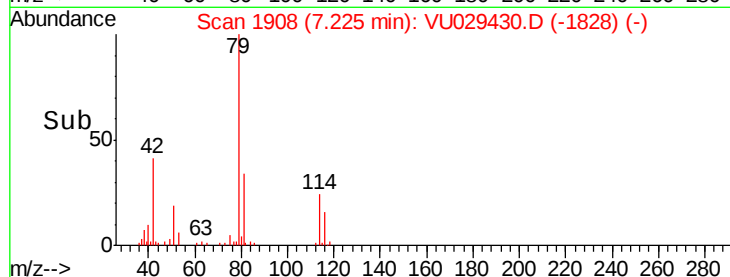
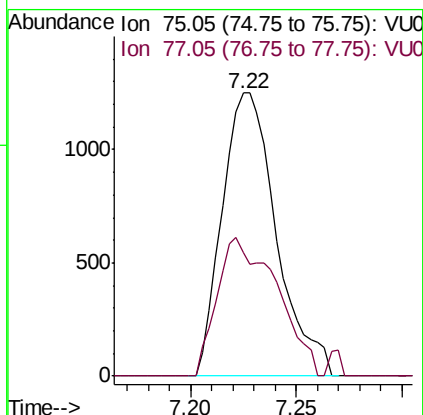
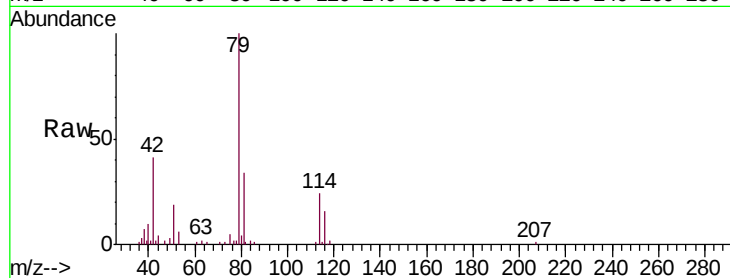
ESXB1

Tgt Ion: 75 Resp: 2229

Ion Ratio Lower Upper

75 100

77 43.6 22.3 41.3#



#48

2-Hexanone

Concen: 0.411 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

Tgt Ion: 43 Resp: 2349

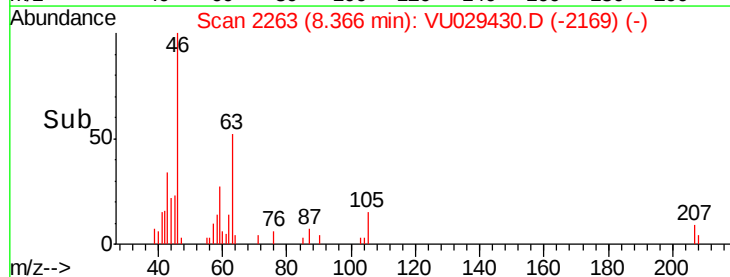
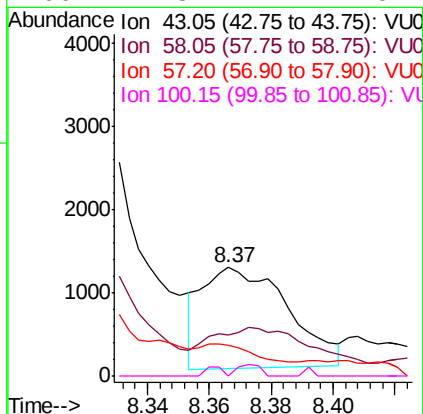
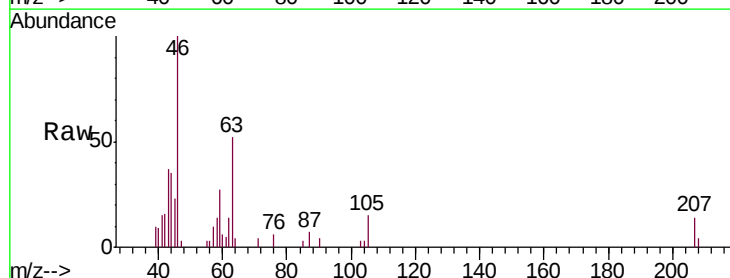
Ion Ratio Lower Upper

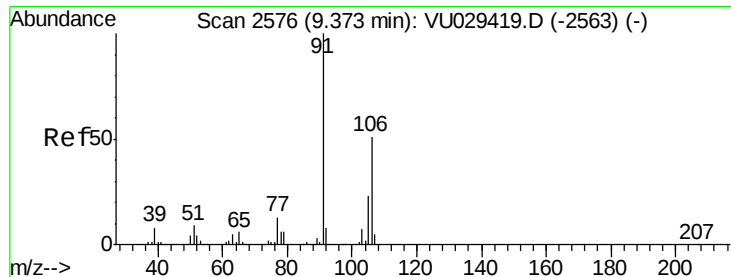
43 100

58 0.0 45.7 68.5#

57 12.6 16.4 24.6#

100 1.8 11.1 16.7#





#53

m,p-xylene

Concen: 0.051 ug/L

RT: 9.38 min Scan# 2579

Delta R.T. 0.01 min

Lab File: VU029430.D

Acq: 12 Feb 2019 19:18

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MSVOA_U

ClientSampleId :

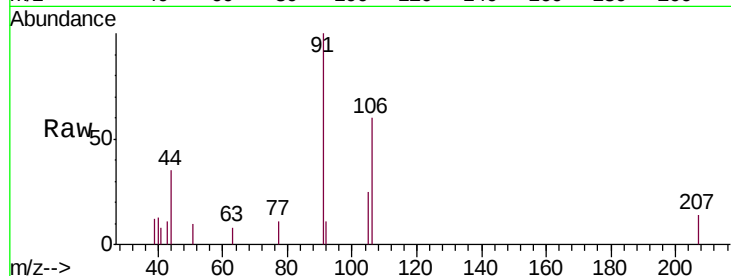
ESXB1

Tgt Ion:106 Resp: 1408

Ion Ratio Lower Upper

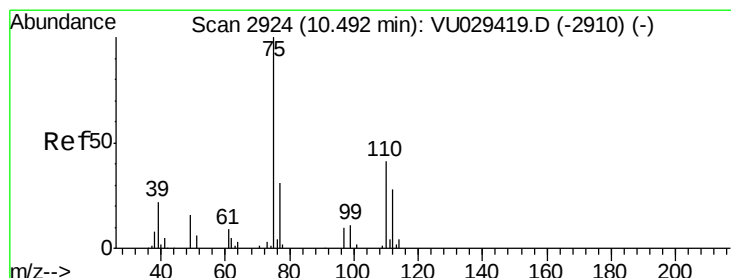
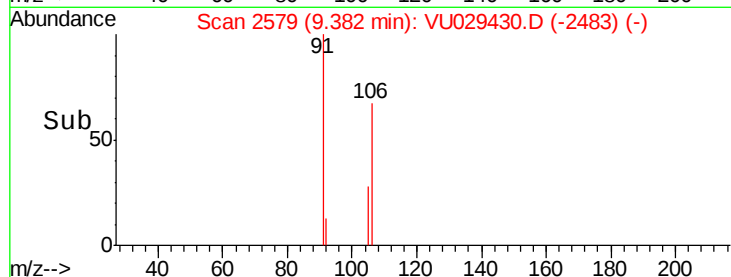
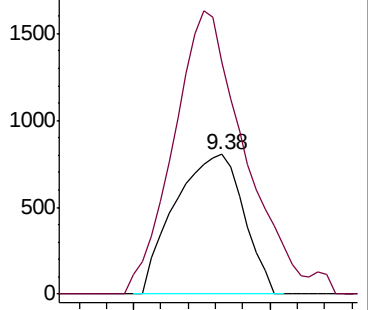
106 100

91 166.4 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): VU029430.D (-2483) (-)

Ion 91.15 (90.85 to 91.85): VU029430.D (-2483) (-)



#59

1,2,3-Trichloropropane

Concen: 1.066 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029430.D

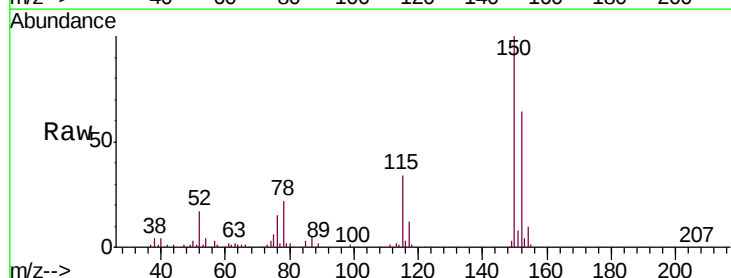
Acq: 12 Feb 2019 19:18

Tgt Ion: 75 Resp: 9300

Ion Ratio Lower Upper

75 100

77 40.5 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029430.D (-2302) (-)

Ion 77.00 (76.70 to 77.70): VU029430.D (-2302) (-)

