

Data File : VU029593.D
Acq On : 21 Feb 2019 13:10
Operator : JC/SP
Sample : VU0221WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK58

Quant Time: Feb 22 03:12:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	240506	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	118087	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82597	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.68	69	76224	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.27	63	132395	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.19	46	192745	54.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.56%
24) Chloroform-d	4.65	84	148223	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.31	65	79276	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.33	84	317932	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.33	67	95516	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.56	98	298160	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	36048	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.31	63	193615	56.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	79090	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	125636	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Qvalue
6) Bromomethane	1.63	94	2484	0.219 ug/L	92
8) Chloroethane	1.70	64	1184	0.089 ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1473	0.078 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1561	0.087 ug/L #	1
13) Acetone	2.32	43	1181	0.463 ug/L	70
16) Methylene chloride	2.69	84	5216	0.247 ug/L	98
25) Chloroform	4.67	83	2817	0.093 ug/L	90
35) Methylcyclohexane	6.33	83	22883	0.836 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	10163	0.667 ug/L #	86
48) 2-Hexanone	8.37	43	5899	0.942 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11757	1.156 ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	1919	0.053 ug/L #	81
67) 1,3,5-Trichlorobenzene	12.90	180	2143	0.071 ug/L #	93
68) 1,2,4-trichlorobenzene	13.51	180	3018	0.118 ug/L	95
69) Naphthalene	13.75	128	5950	0.151 ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	3745	0.157 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022119\
Quantitation Report (Not Reviewed)

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Quant Time: Feb 22 03:12:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration

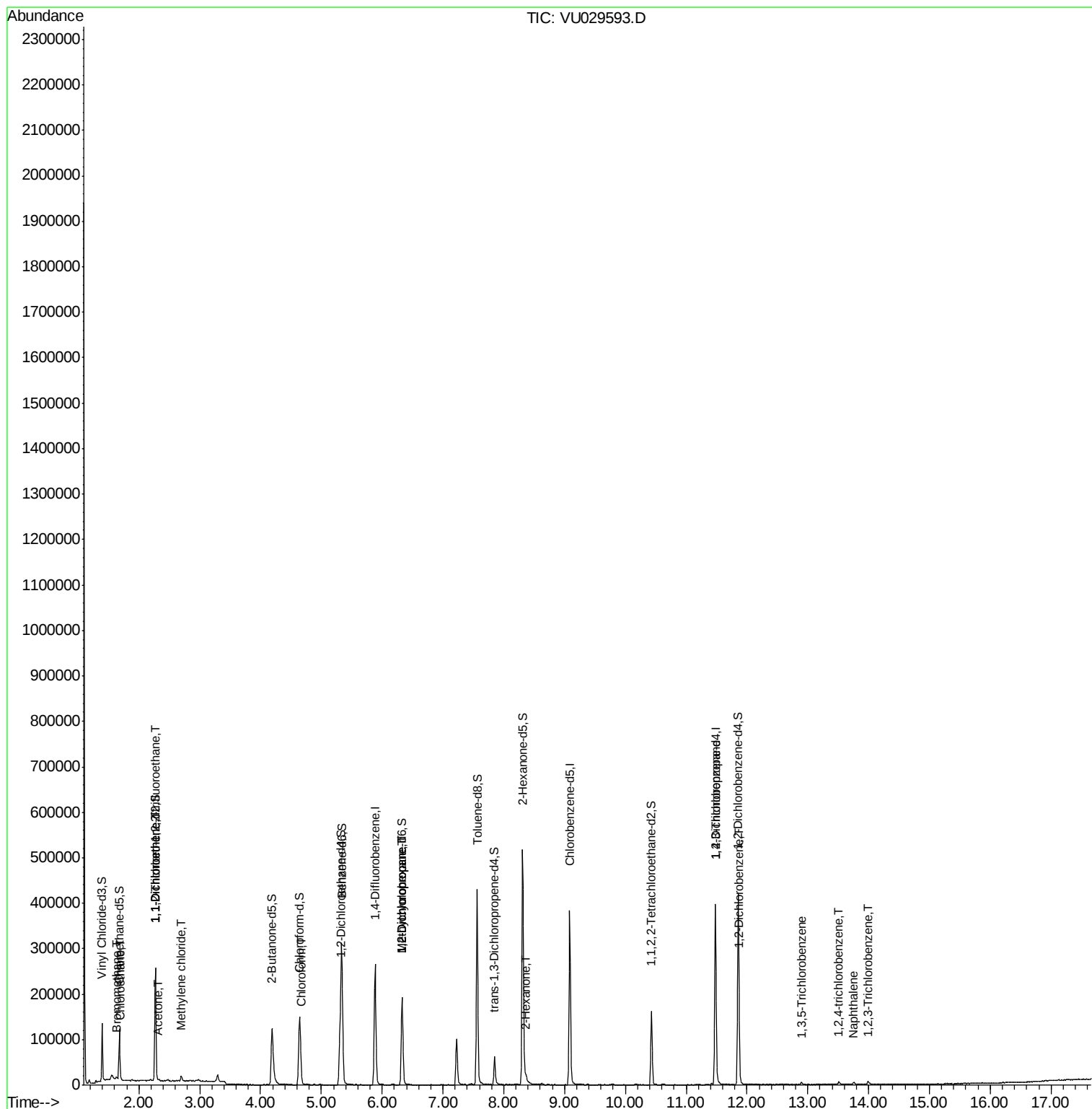
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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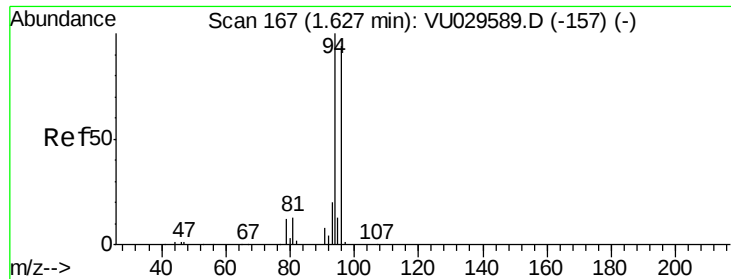
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.219 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

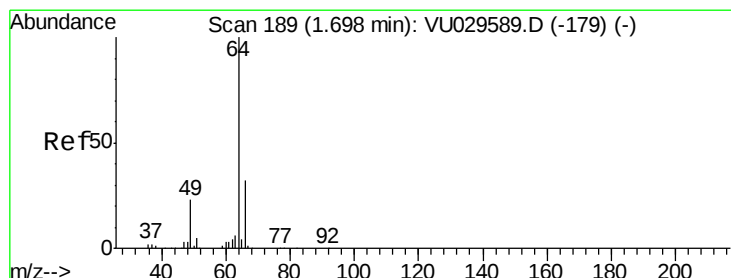
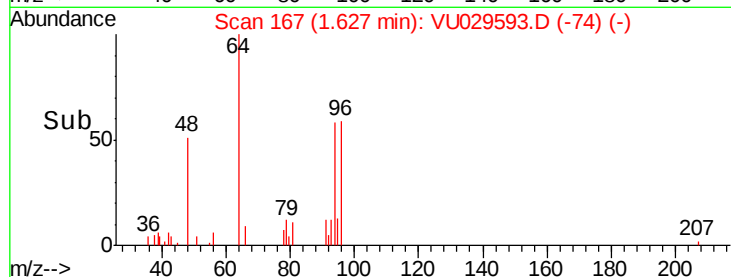
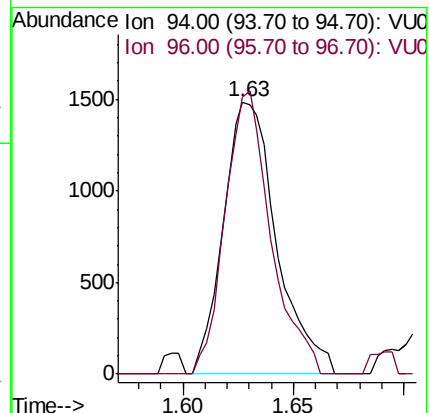
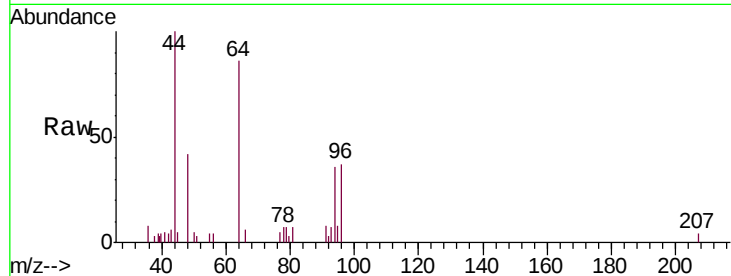
VBLK58

Tgt Ion: 94 Resp: 2484

Ion Ratio Lower Upper

94 100

96 101.7 66.0 122.6



#8

Chloroethane

Concen: 0.089 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029593.D

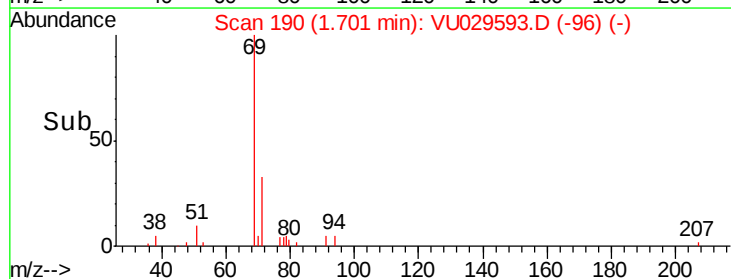
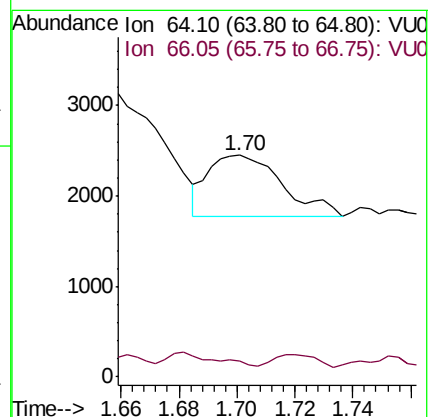
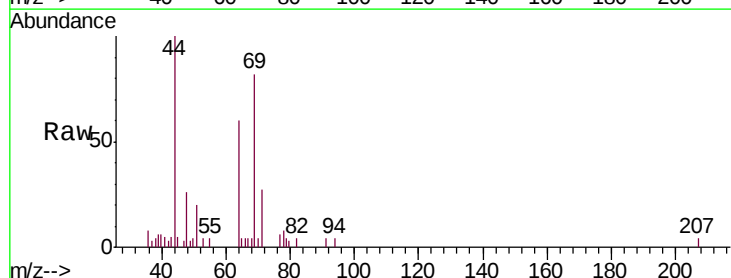
Acq: 21 Feb 2019 13:10

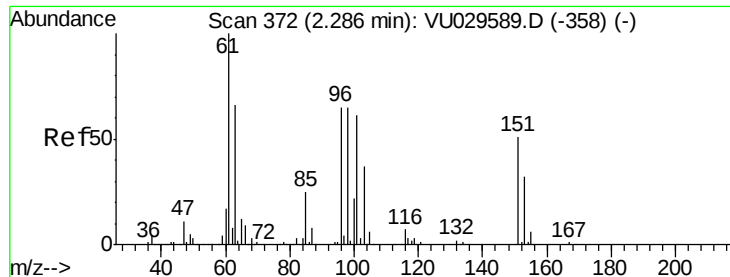
Tgt Ion: 64 Resp: 1184

Ion Ratio Lower Upper

64 100

66 7.0 21.4 39.8#





#10

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

Concen: 0.078 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

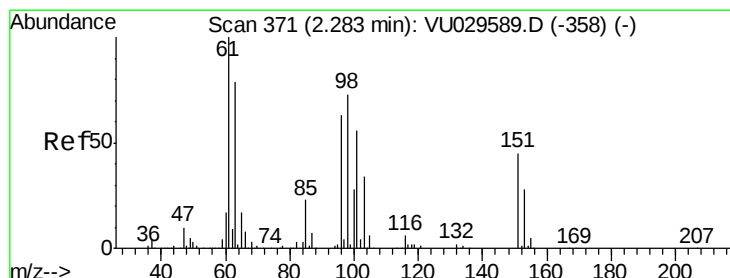
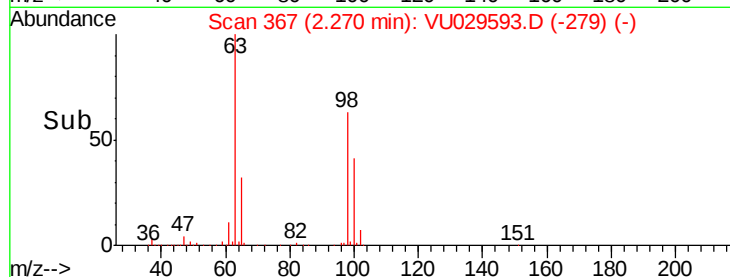
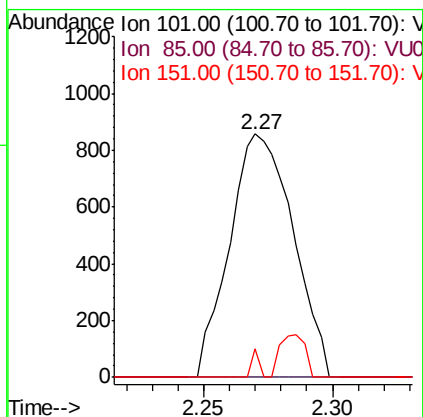
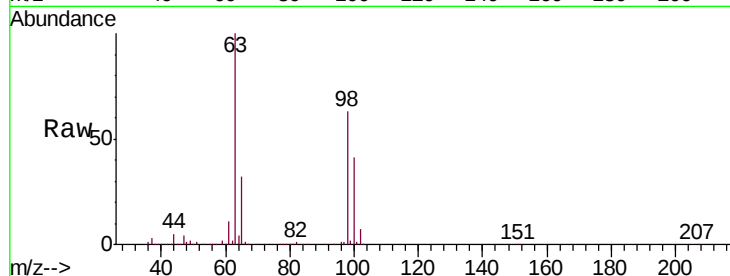
Tgt Ion: 101 Resp: 1473

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 1.3 65.9 98.9#



#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

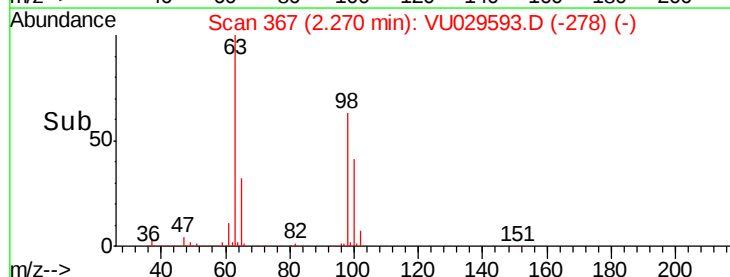
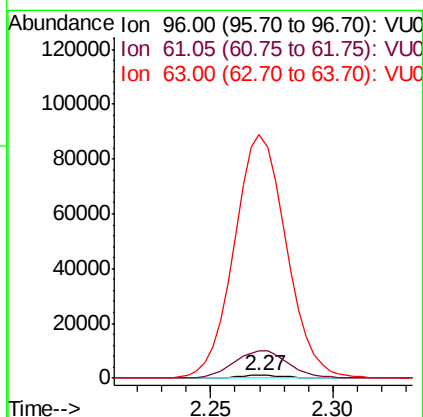
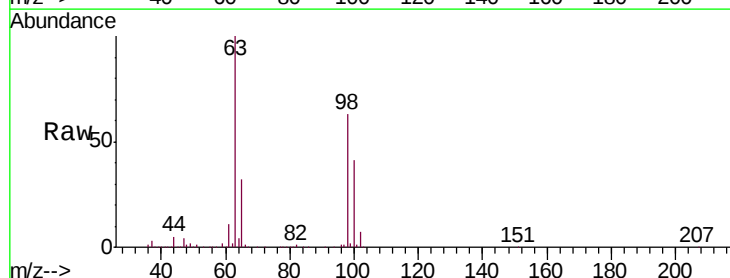
Tgt Ion: 96 Resp: 1561

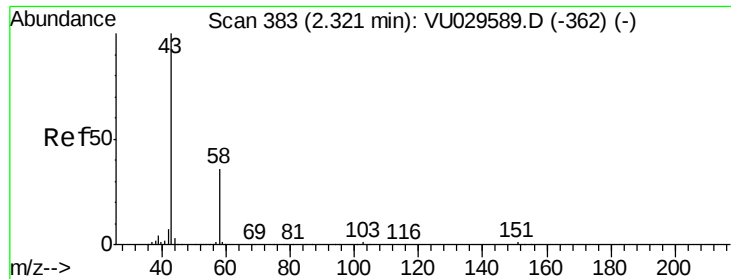
Ion Ratio Lower Upper

96 100

61 1026.2 111.3 206.7#

63 9137.9 88.5 164.3#





#13

Acetone

Concen: 0.463 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

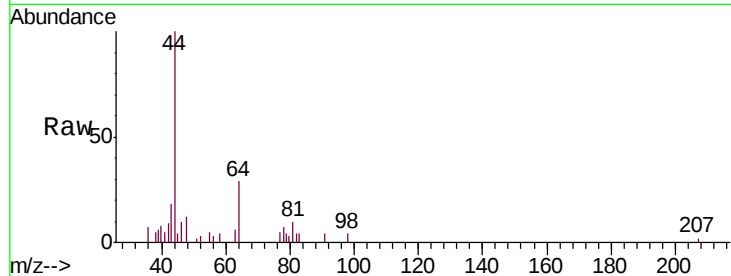
VBLK58

Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

58 17.8 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

800

600

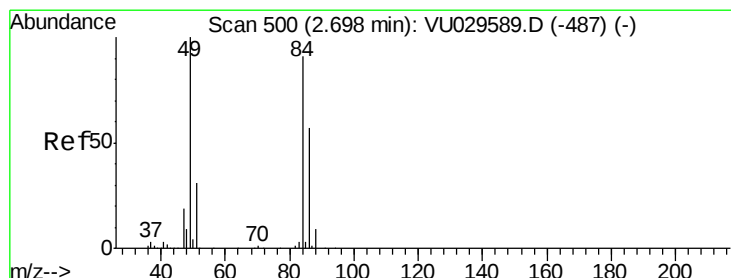
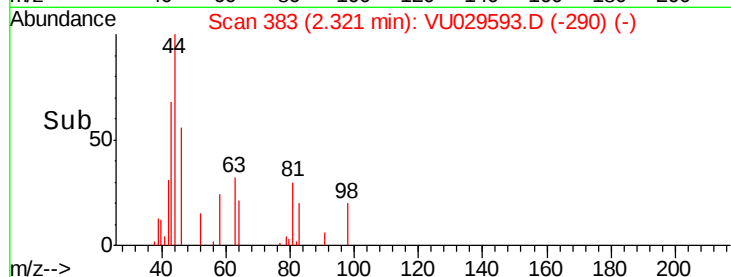
400

200

0

2.30 2.35

Time-->



#16

Methylene chloride

Concen: 0.247 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

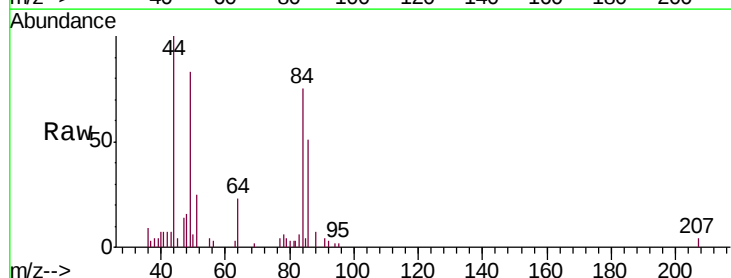
Tgt Ion: 84 Resp: 5216

Ion Ratio Lower Upper

84 100

86 67.6 44.2 82.0

49 110.3 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

4000

3000

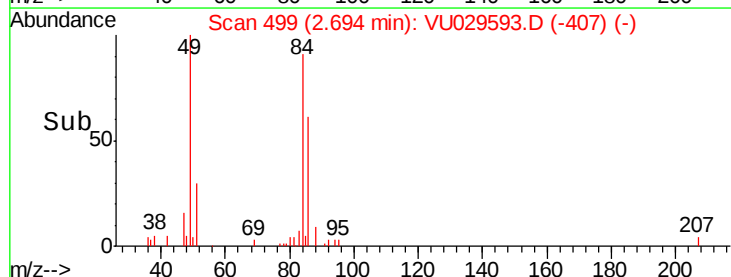
2000

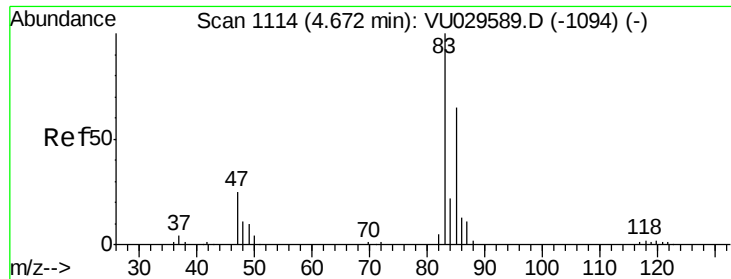
1000

0

2.65 2.70 2.75

Time-->

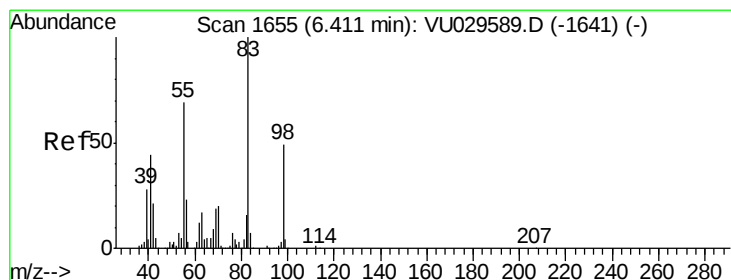
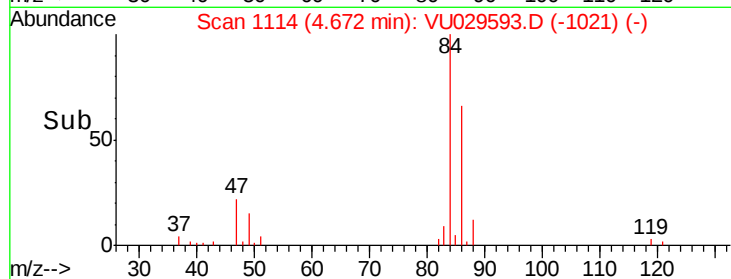
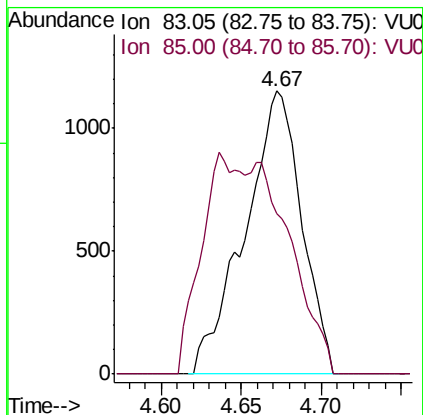
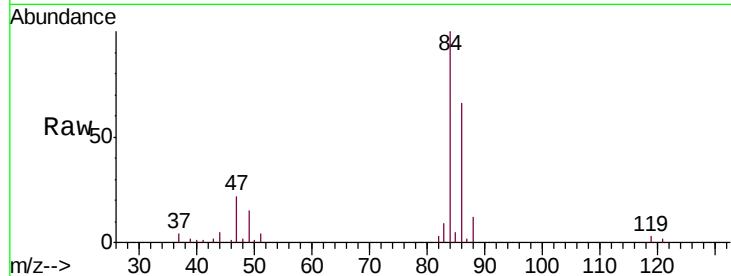




#25
Chloroform
Concen: 0.093 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029593.D
Acq: 21 Feb 2019 13:10

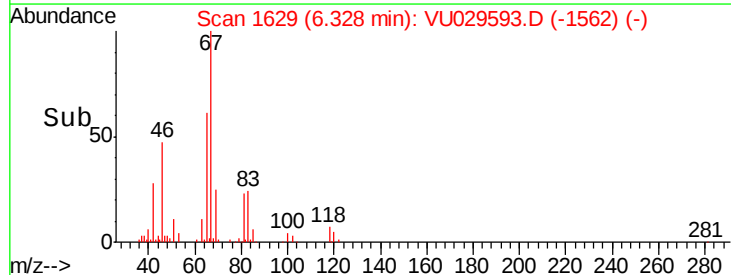
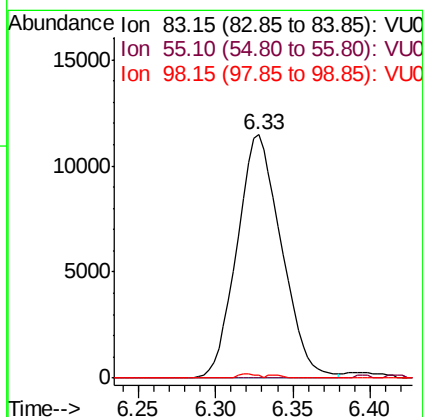
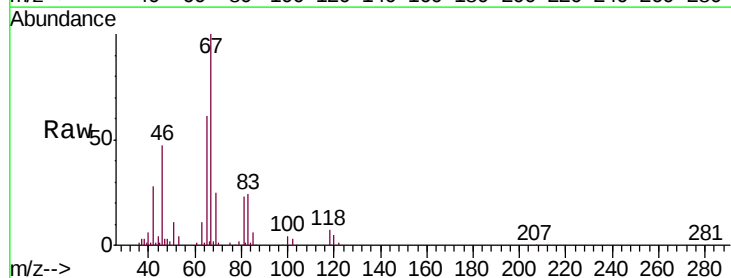
Instrument :
MSVOA_U
ClientSampled :
VBLK58

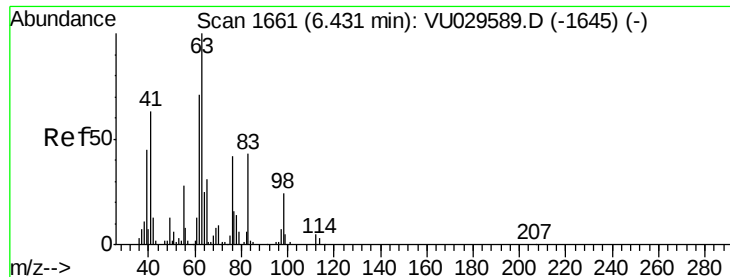
Tgt Ion: 83 Resp: 2817
Ion Ratio Lower Upper
83 100
85 56.9 45.6 84.6



#35
Methylcyclohexane
Concen: 0.836 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029593.D
Acq: 21 Feb 2019 13:10

Tgt Ion: 83 Resp: 22883
Ion Ratio Lower Upper
83 100
55 0.0 56.5 84.7#
98 0.7 39.4 59.2#

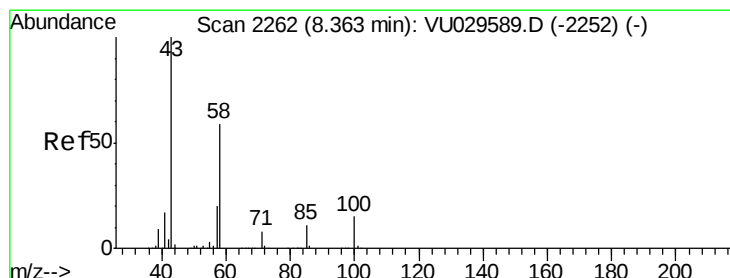
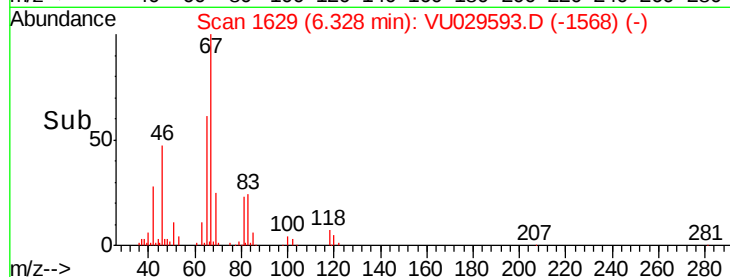
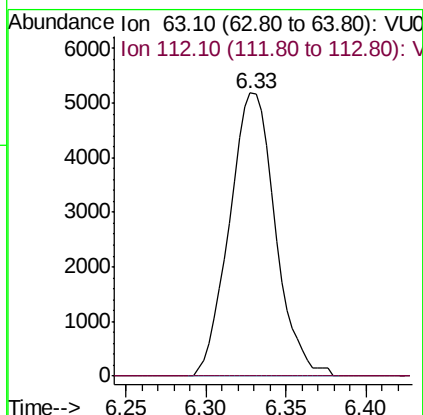
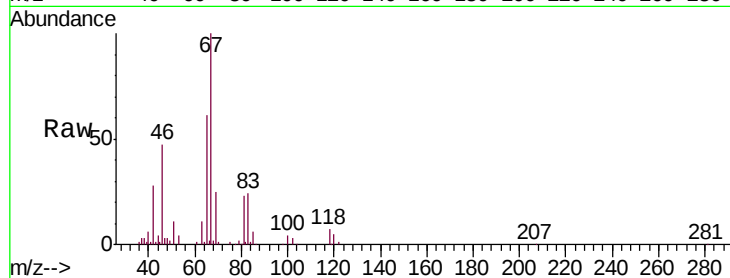




#37
 1,2-Dichloropropane
 Concen: 0.667 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029593.D
 Acq: 21 Feb 2019 13:10

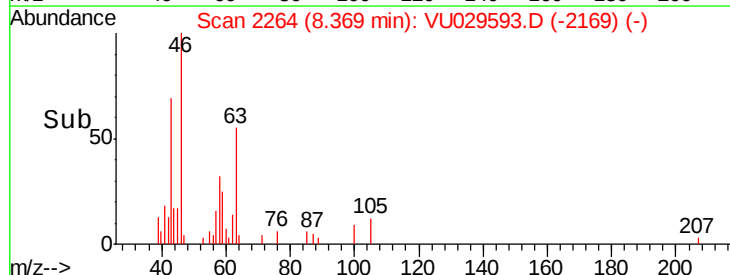
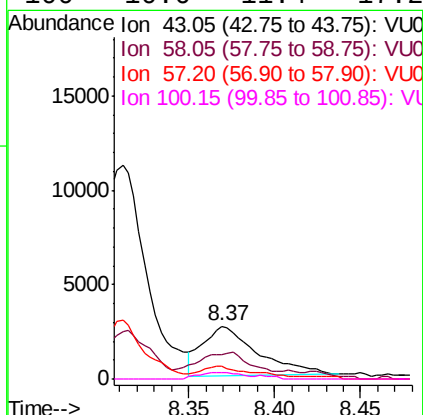
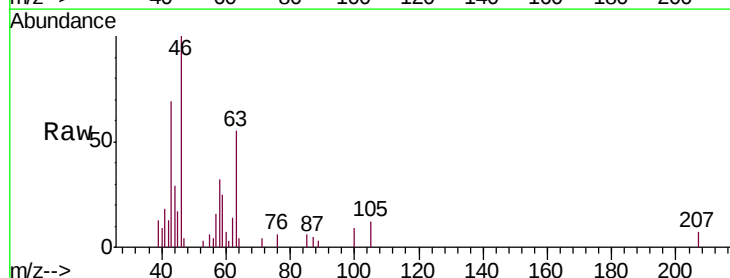
Instrument :
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 ClientSampleId :
 VBLK58

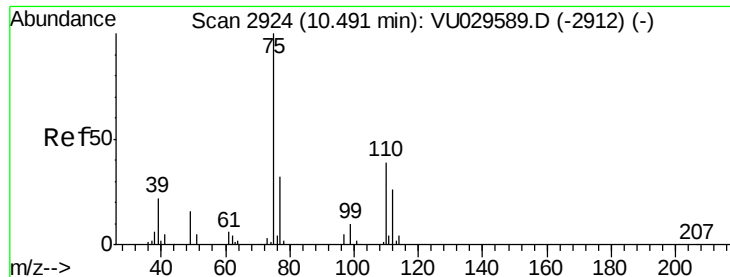
Tgt Ion: 63 Resp: 10163
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#48
 2-Hexanone
 Concen: 0.942 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU029593.D
 Acq: 21 Feb 2019 13:10

Tgt Ion: 43 Resp: 5899
 Ion Ratio Lower Upper
 43 100
 58 37.7 46.6 69.8#
 57 18.5 15.9 23.9
 100 10.6 11.4 17.2#





#59

1,2,3-Trichloropropane

Concen: 1.156 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

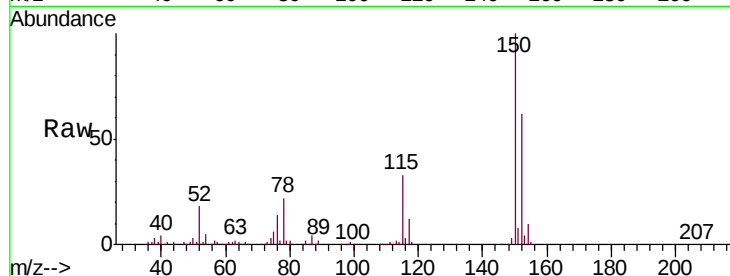
VBLK58

Tgt Ion: 75 Resp: 11757

Ion Ratio Lower Upper

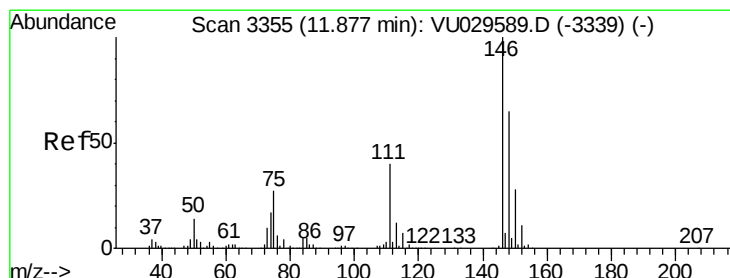
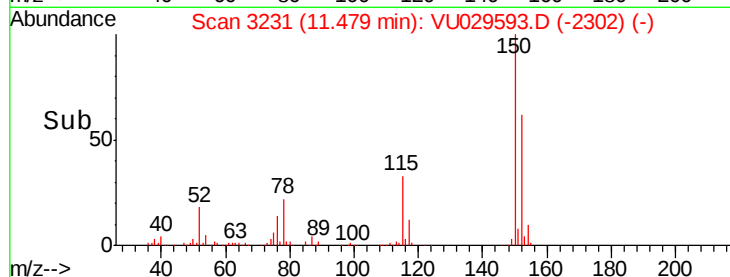
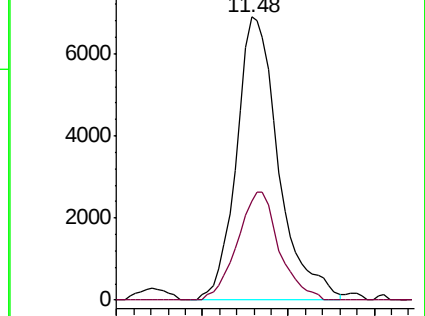
75 100

77 37.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#65

1,2-Dichlorobenzene

Concen: 0.053 ug/L

RT: 11.88 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

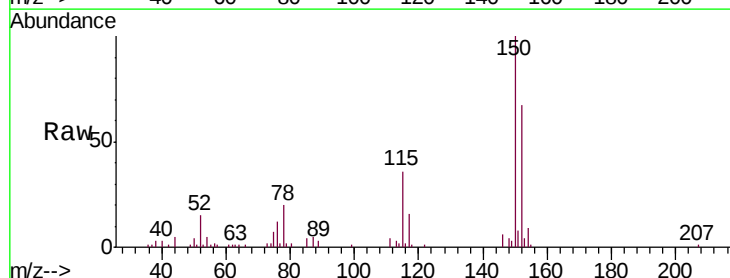
Tgt Ion: 146 Resp: 1919

Ion Ratio Lower Upper

146 100

111 58.9 32.2 48.2#

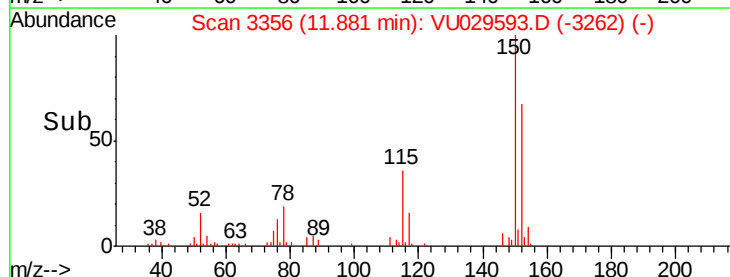
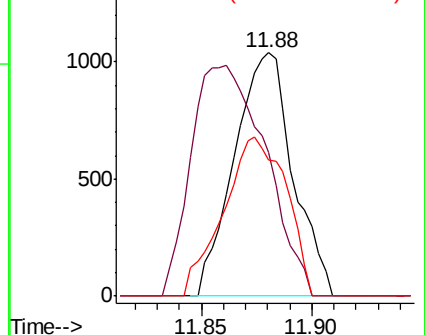
148 56.1 52.2 78.4

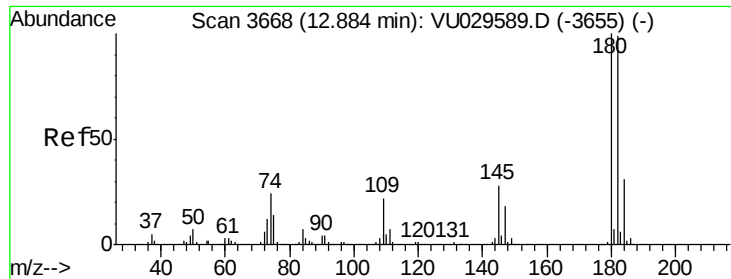


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

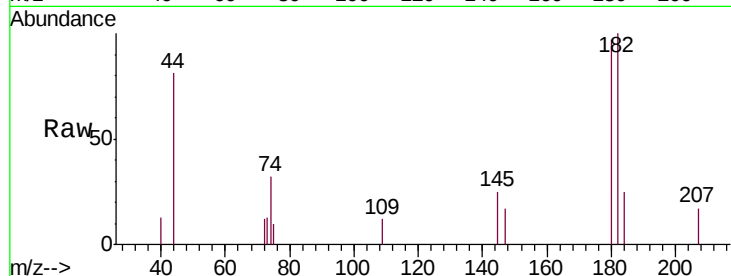




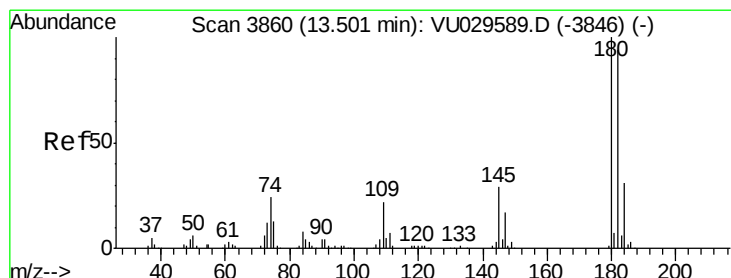
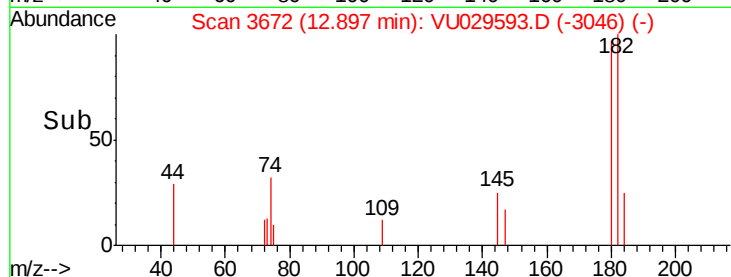
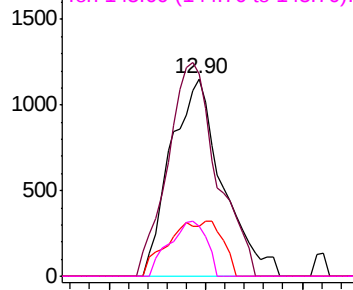
#67
 1,3,5-Trichlorobenzene
 Concen: 0.071 ug/L
 RT: 12.90 min Scan# 3672
 Delta R.T. 0.01 min
 Lab File: VU029593.D
 Acq: 21 Feb 2019 13:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

Tgt Ion:180 Resp: 2143
 Ion Ratio Lower Upper
 180 100
 182 102.3 77.0 115.6
 184 29.2 25.0 37.4
 145 20.0 22.4 33.6#

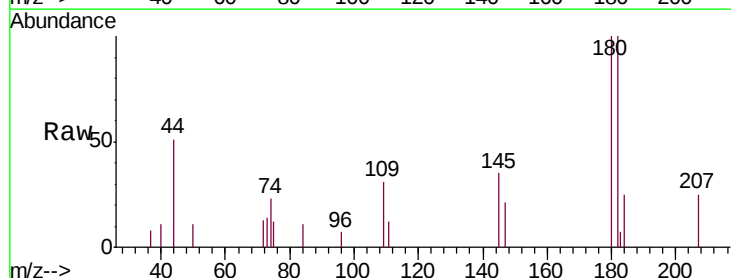


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

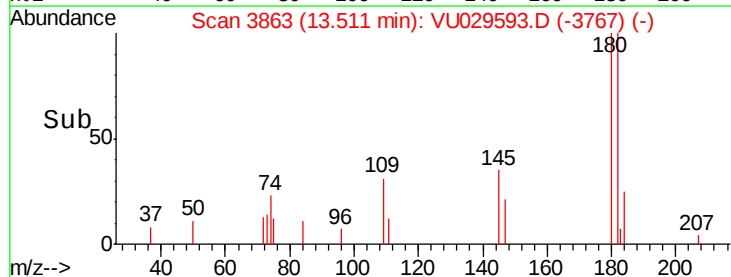
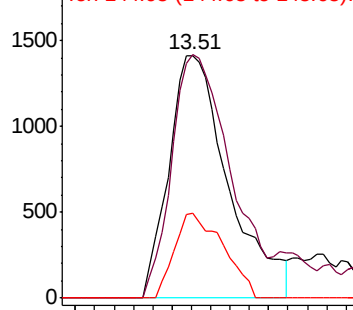


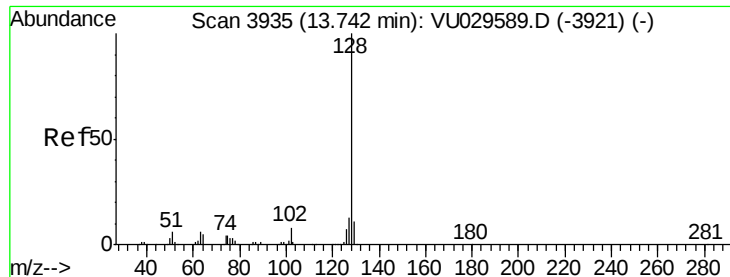
#68
 1,2,4-trichlorobenzene
 Concen: 0.118 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU029593.D
 Acq: 21 Feb 2019 13:10

Tgt Ion:180 Resp: 3018
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.7 113.5
 145 28.6 22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.151 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

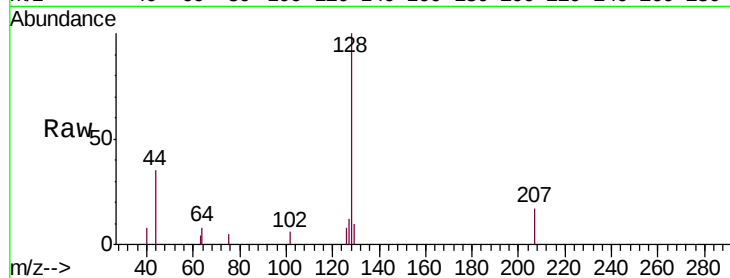
Tgt Ion:128 Resp: 5950

Ion Ratio Lower Upper

128 100

129 7.1 8.7 13.1#

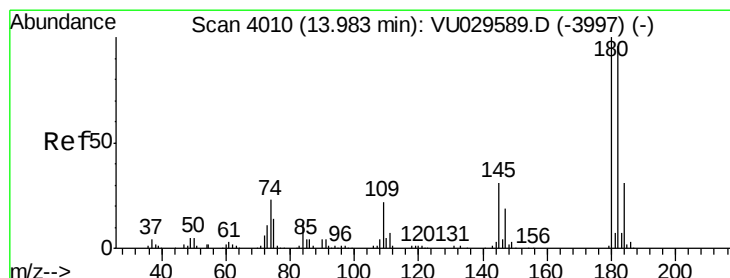
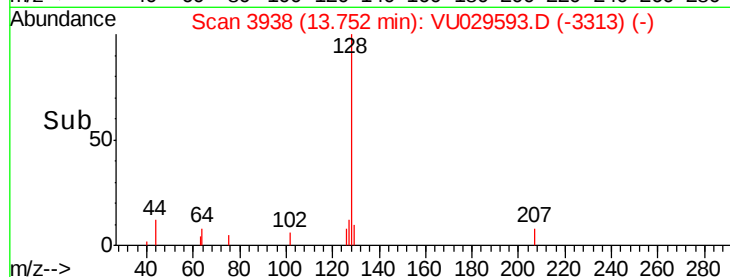
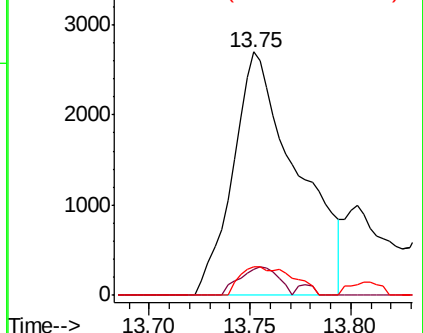
127 9.8 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.157 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029593.D

Acq: 21 Feb 2019 13:10

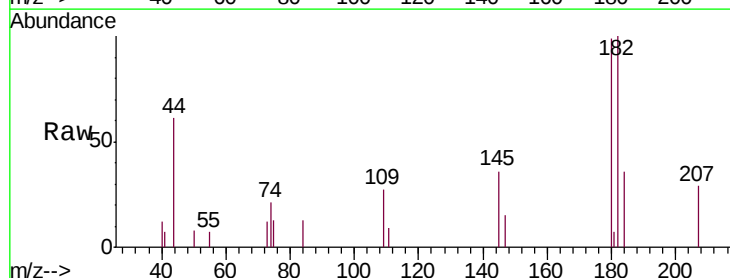
Tgt Ion:180 Resp: 3745

Ion Ratio Lower Upper

180 100

182 102.0 77.0 115.4

145 28.0 24.2 36.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

