

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013696.D
 Acq On : 29 Nov 2019 13:11
 Operator : JC/SP
 Sample : K5959-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Nov 29 22:26:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	666872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1041400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	911926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	395743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	371160	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	5.49	113	309297	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.71	98	1226917	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.14	95	400251	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

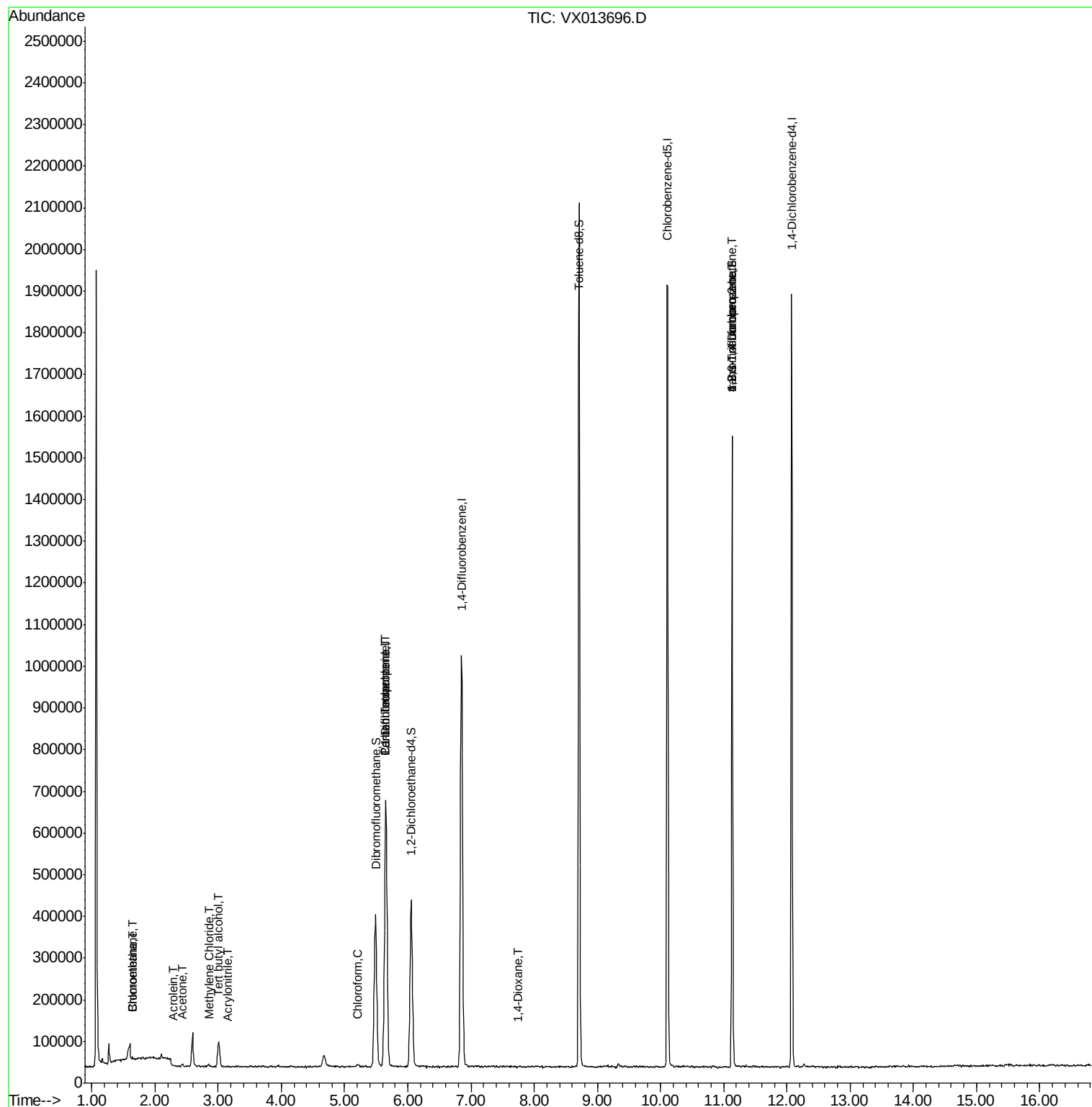
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	3031	0.481	ug/l	99
6) Chloroethane	1.64	64	1856	0.348	ug/l #	49
11) Tert butyl alcohol	3.01	59	38990	20.406	ug/l #	77
13) Acrolein	2.29	56	57	6.047	ug/l #	1
15) Acrylonitrile	3.14	53	843	0.214	ug/l #	82
16) Acetone	2.44	43	6122	1.602	ug/l	97
20) Methylene Chloride	2.85	84	4150	0.565	ug/l #	82
30) Chloroform	5.20	83	6079	0.494	ug/l	89
36) 1,1-Dichloropropene	5.65	75	43784	4.632	ug/l #	51
38) Carbon Tetrachloride	5.65	117	58535	6.715	ug/l #	16
49) 1,4-Dioxane	7.74	88	238	1.253	ug/l #	55
76) 1,2,3-Trichloropropane	11.14	75	195478	21.961	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	195478	60.083	ug/l #	11

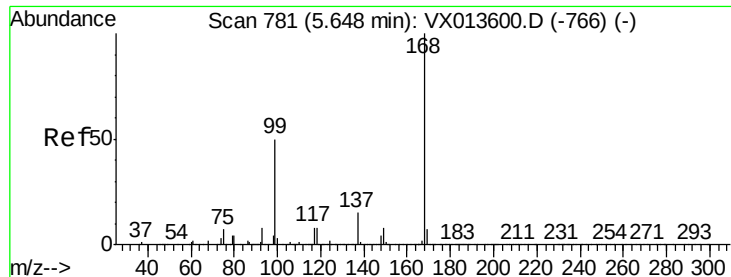
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

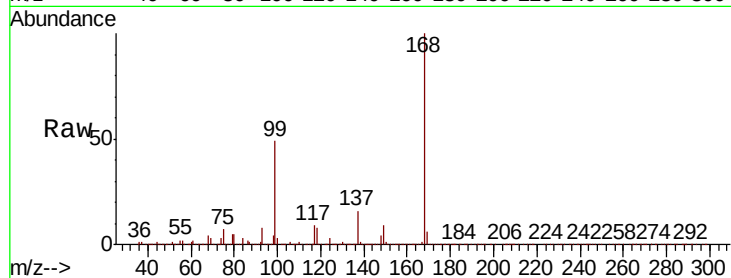
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Tot Ion:168 Resp: 666872

Ion Ratio Lower Upper

168 100

99 49.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

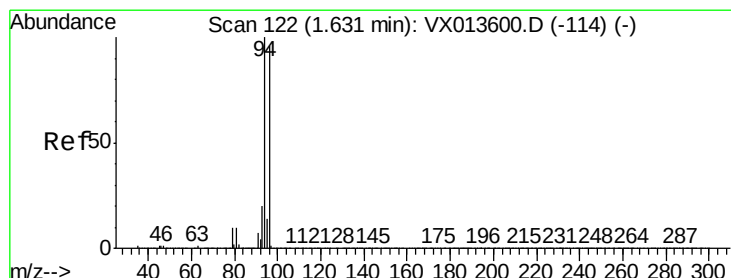
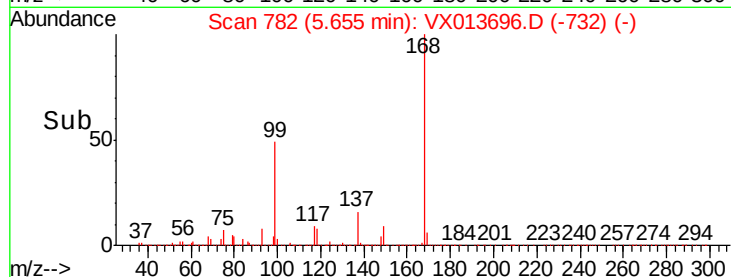
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.481 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013696.D

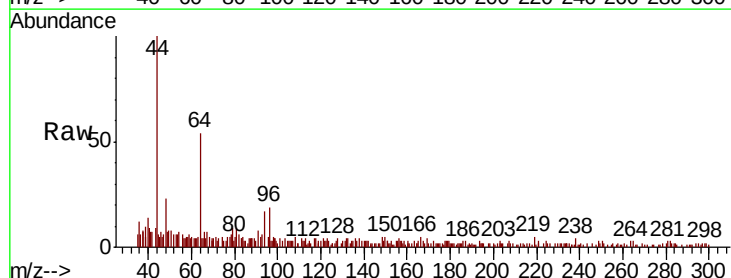
Acq: 29 Nov 2019 13:11

Tgt Ion: 94 Resp: 3031

Ion Ratio Lower Upper

94 100

96 97.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

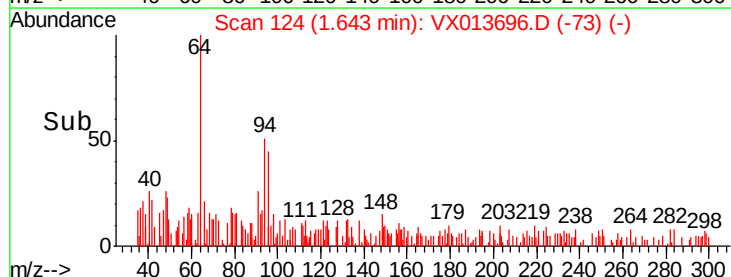
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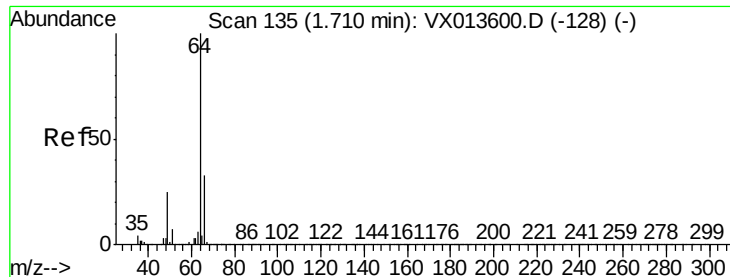
400

200

0

Time-->





#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.07 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

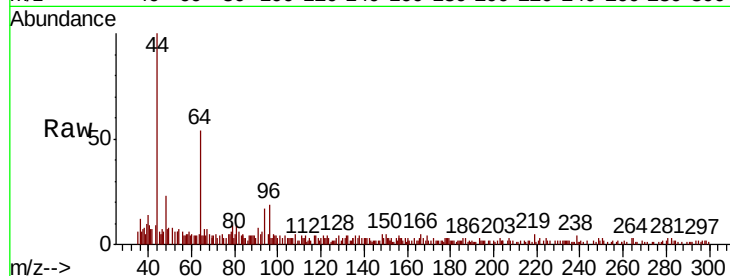
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Tot Ion: 64 Resp: 1856

Ion Ratio Lower Upper

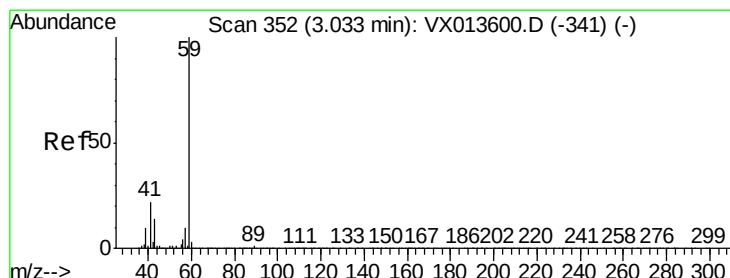
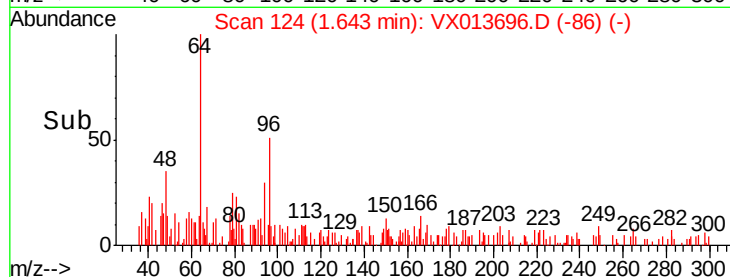
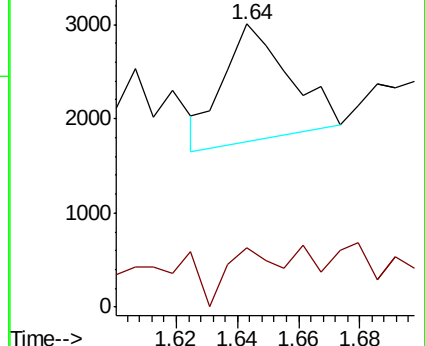
64 100

66 4.4 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 20.406 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013696.D

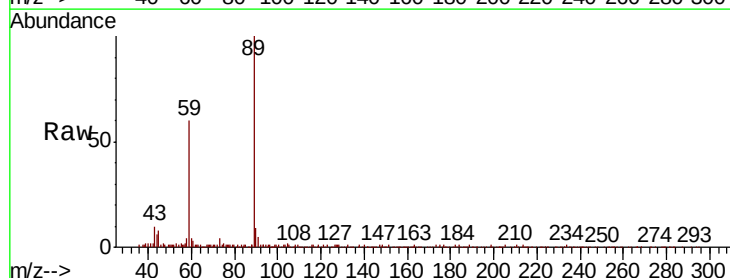
Acq: 29 Nov 2019 13:11

Tgt Ion: 59 Resp: 38990

Ion Ratio Lower Upper

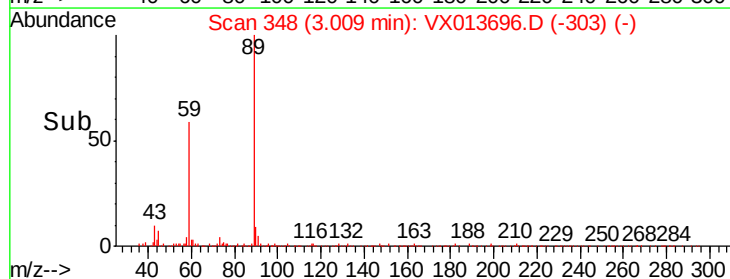
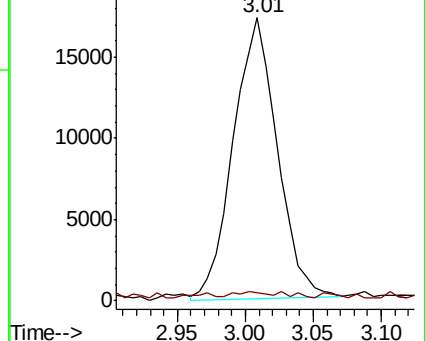
59 100

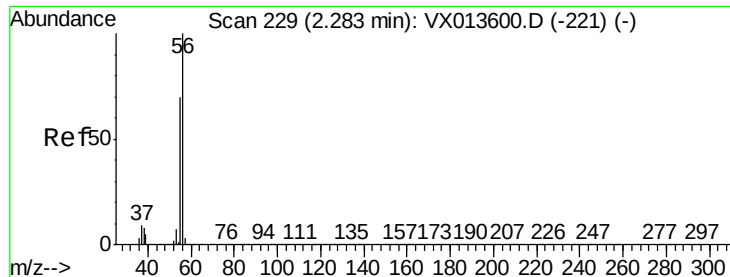
57 1.4 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.047 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

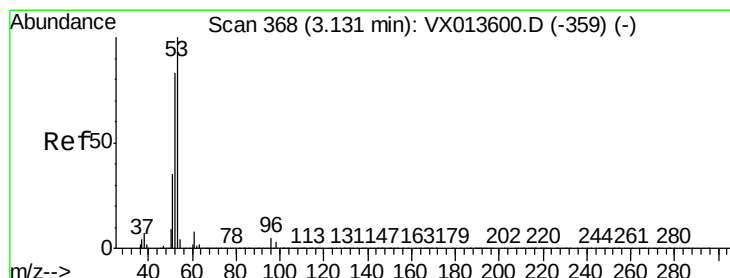
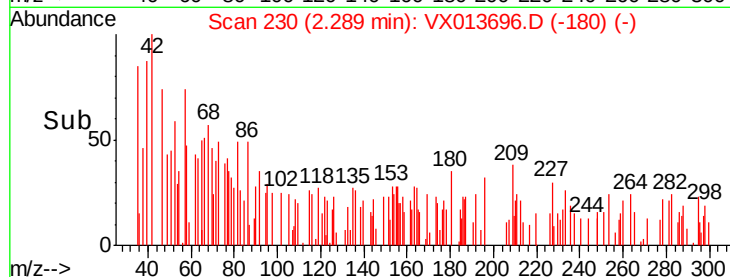
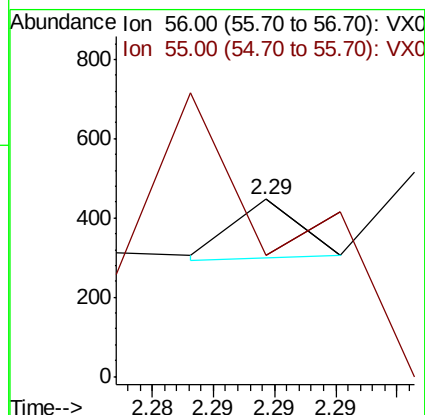
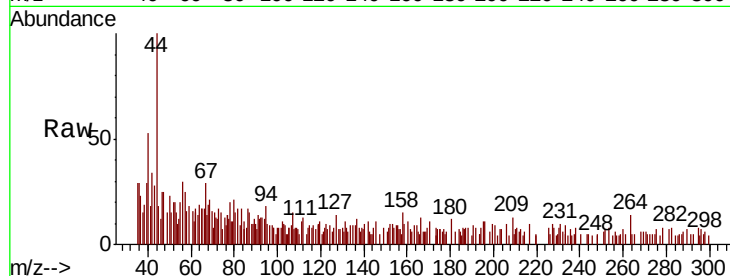
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Tot Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 1282.5 56.2 84.4#



#15

Acrylonitrile

Concen: 0.214 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

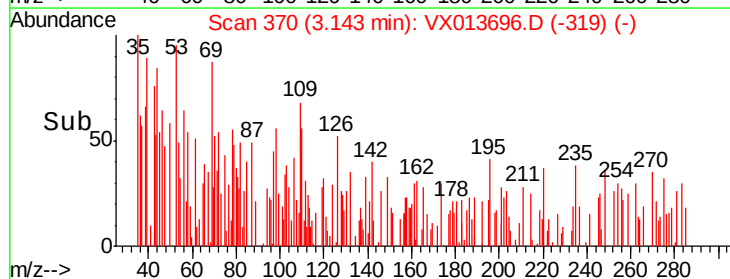
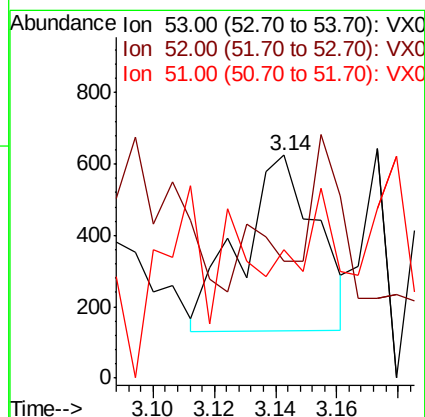
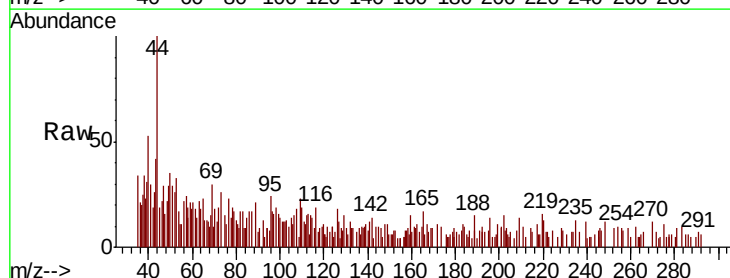
Tgt Ion: 53 Resp: 843

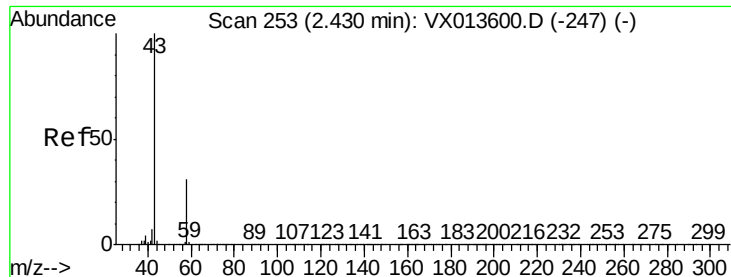
Ion Ratio Lower Upper

53 100

52 64.8 66.2 99.2#

51 44.1 29.0 43.6#





#16

Acetone

Concen: 1.602 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

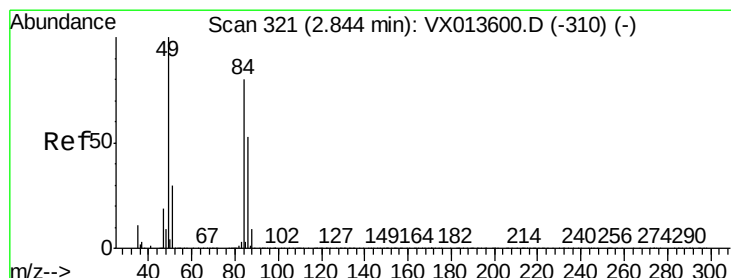
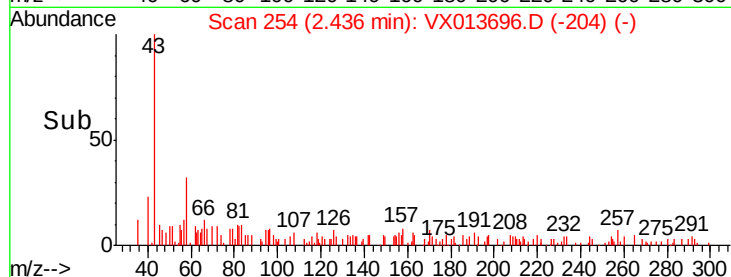
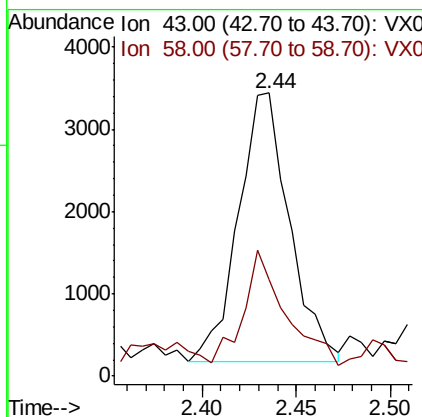
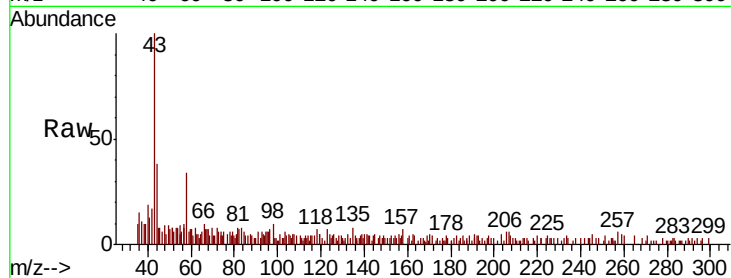
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Tot Ion: 43 Resp: 6122

Ion Ratio Lower Upper

43 100

58 28.9 24.6 36.8



#20

Methylene Chloride

Concen: 0.565 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Tgt Ion: 84 Resp: 4150

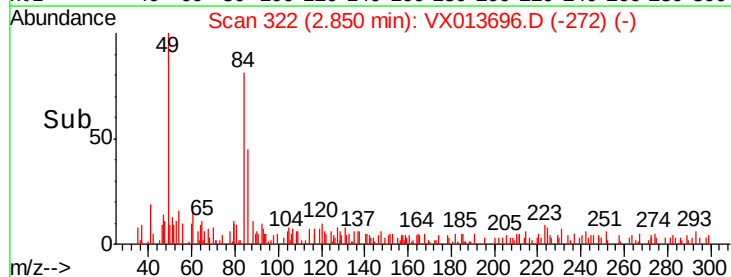
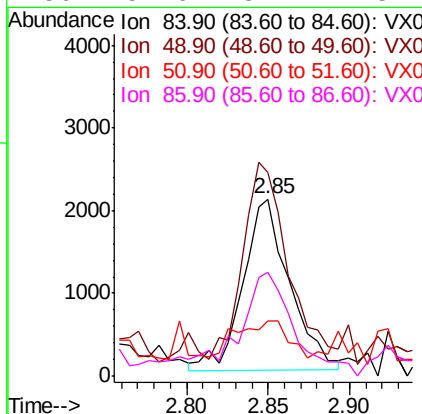
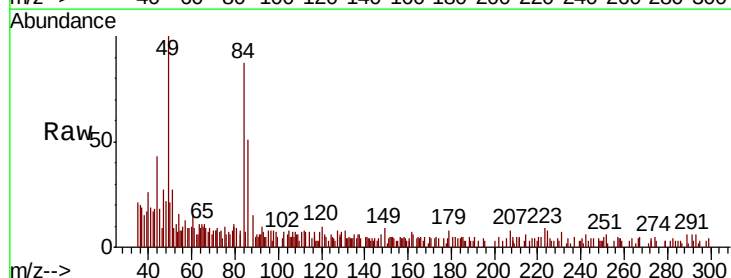
Ion Ratio Lower Upper

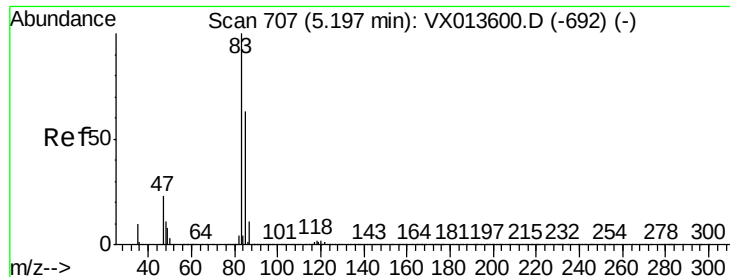
84 100

49 106.9 99.7 149.5

51 21.0 29.9 44.9#

86 52.6 52.2 78.4

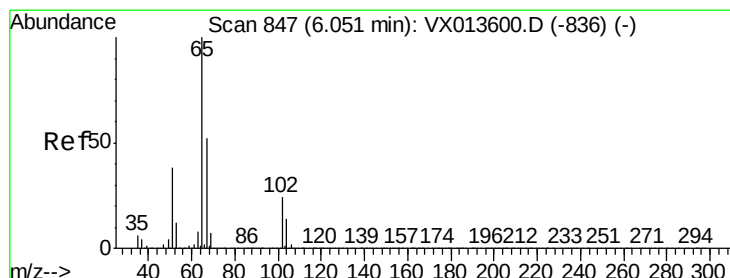
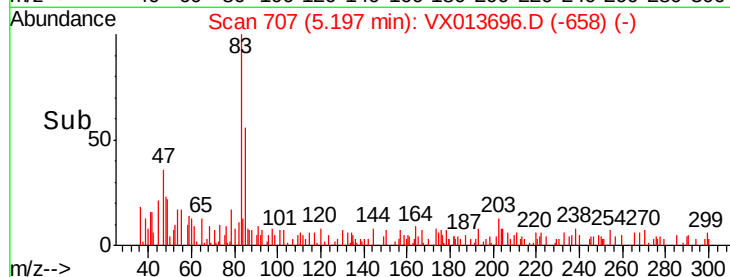
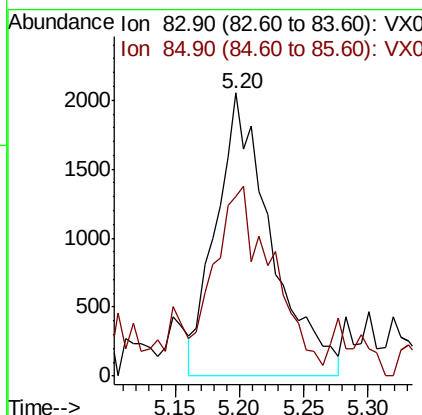
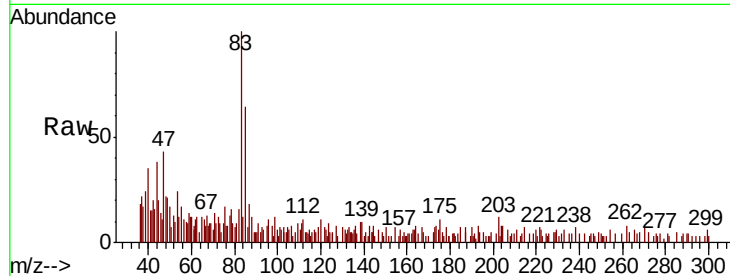




#30
Chloroform
Concen: 0.494 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

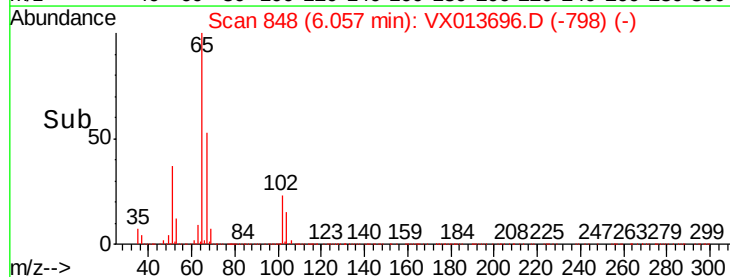
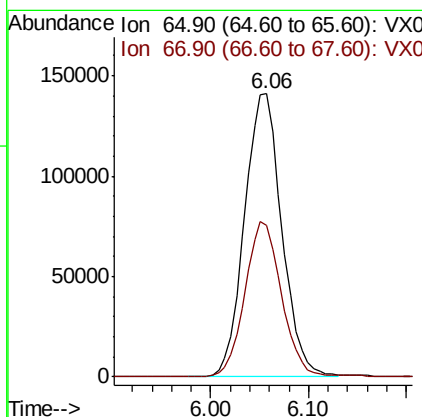
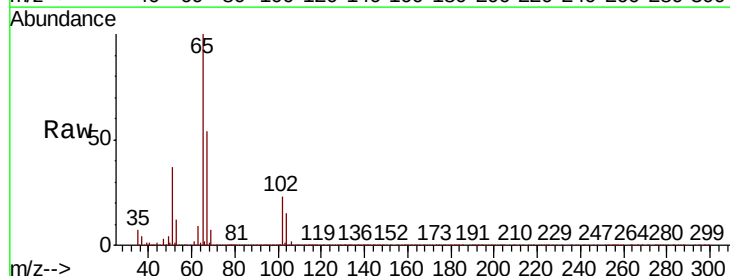
Instrument :
MSVOA_X
ClientSampled :
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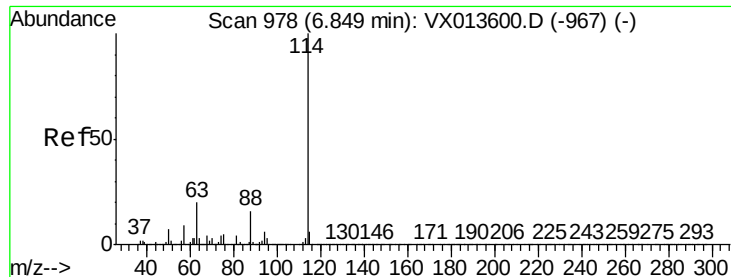
Tot Ion: 83 Resp: 6079
Ion Ratio Lower Upper
83 100
85 54.3 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 47.948 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

Tgt Ion: 65 Resp: 371160
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.4

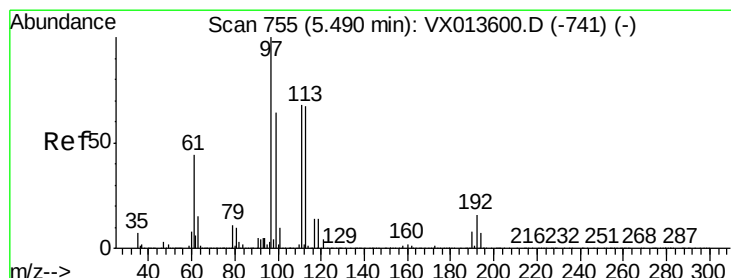
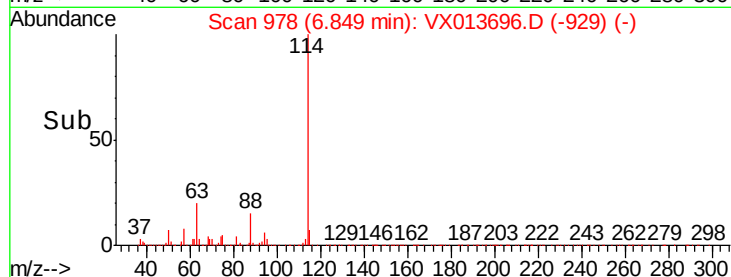
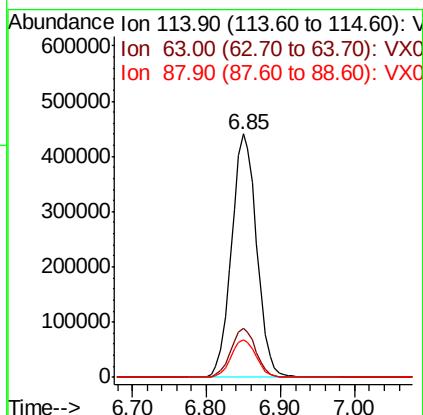
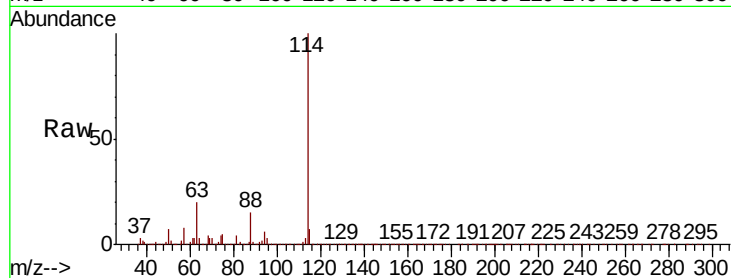




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

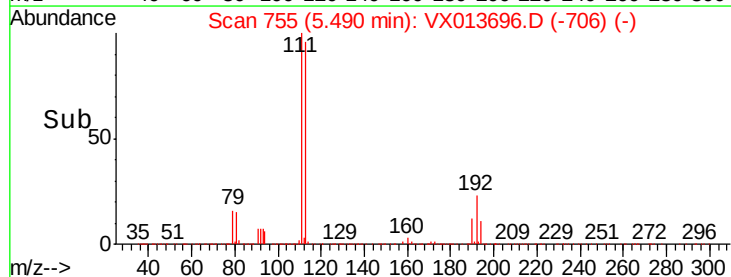
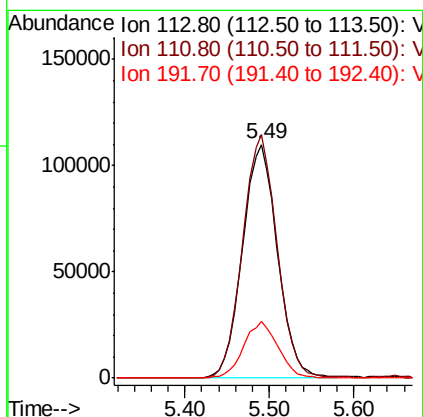
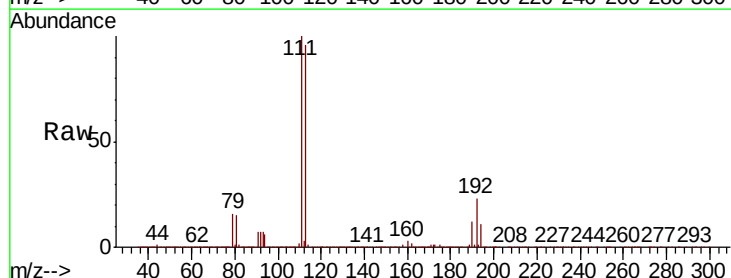
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MSVOA_X
ClientSampleId :
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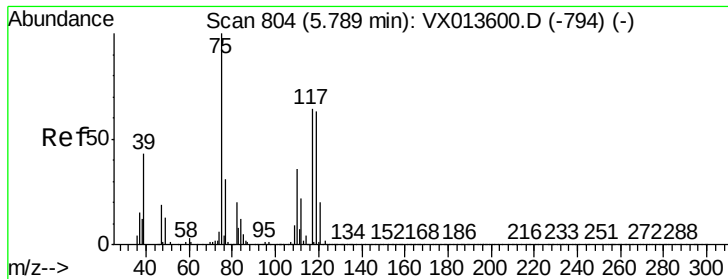
Tot Ion:114 Resp: 1041400
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.042 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

Tgt Ion:113 Resp: 309297
Ion Ratio Lower Upper
113 100
111 103.1 83.6 125.4
192 24.0 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

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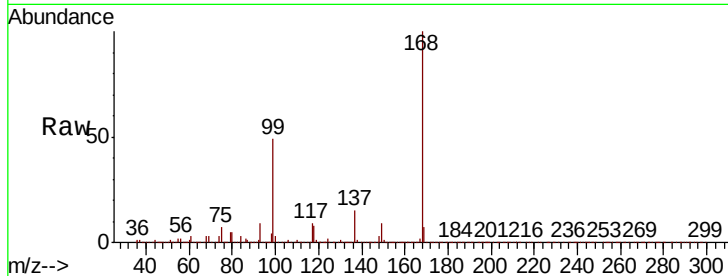
Tot Ion: 75 Resp: 43784

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

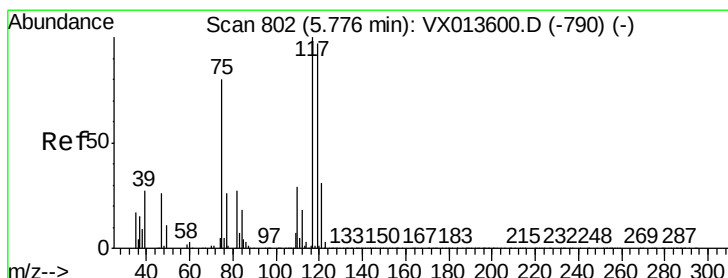
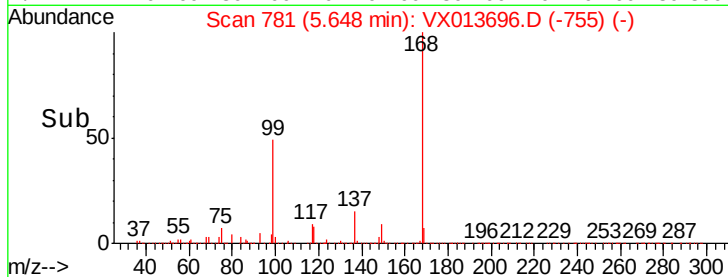
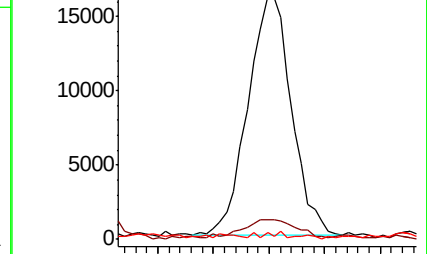
77 0.3 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.715 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

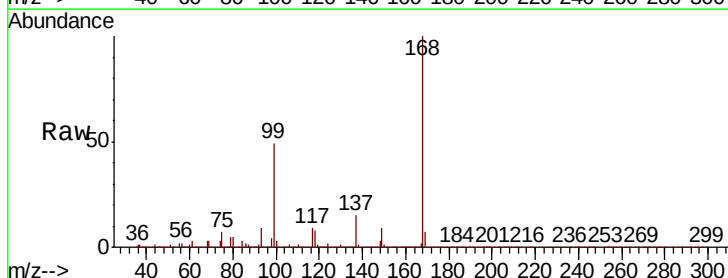
Tgt Ion: 117 Resp: 58535

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

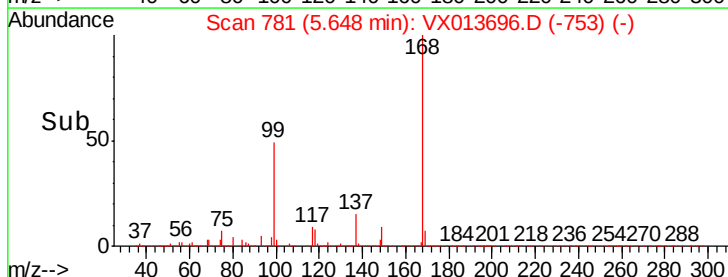
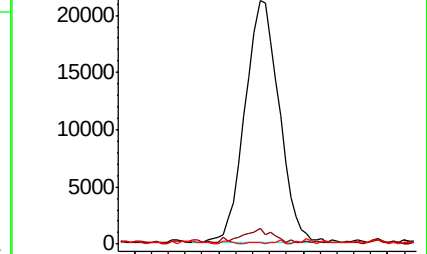
121 0.0 25.0 37.6#

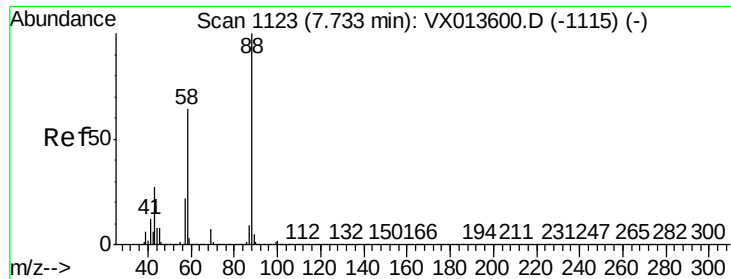


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.253 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

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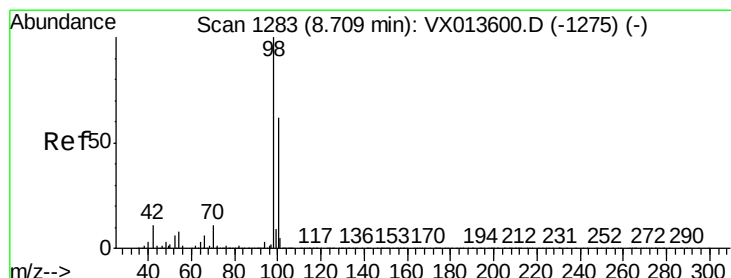
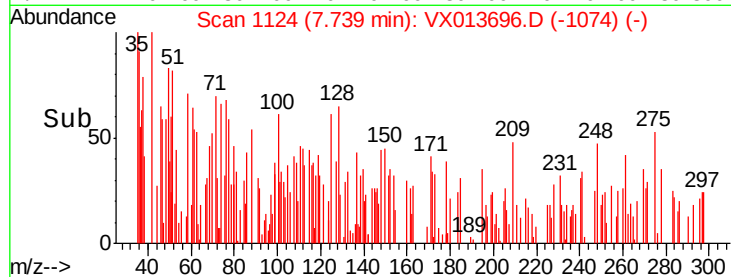
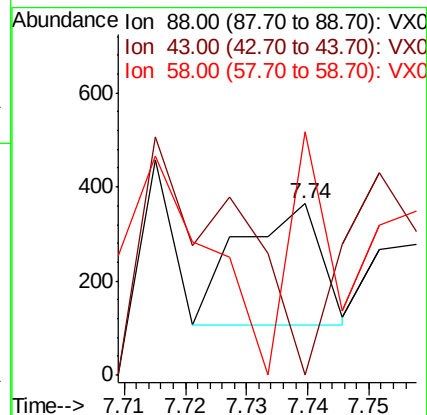
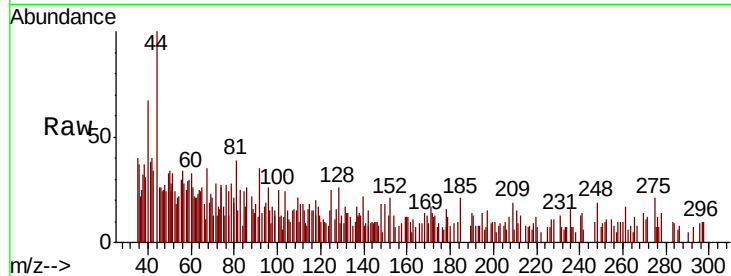
Tot Ion: 88 Resp: 238

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 100.4 54.6 82.0#



#50

Toluene-d8

Concen: 48.913 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013696.D

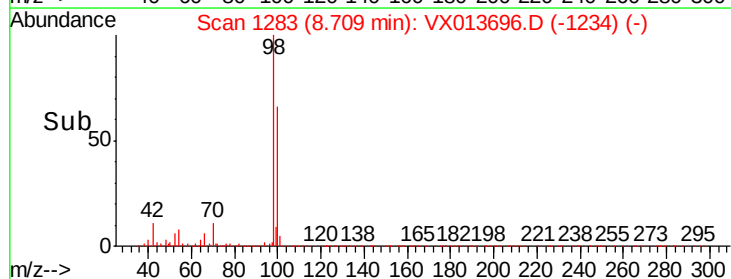
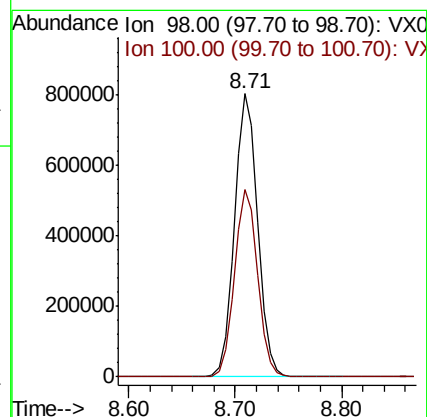
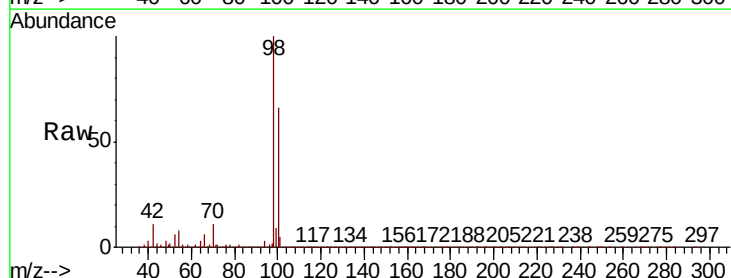
Acq: 29 Nov 2019 13:11

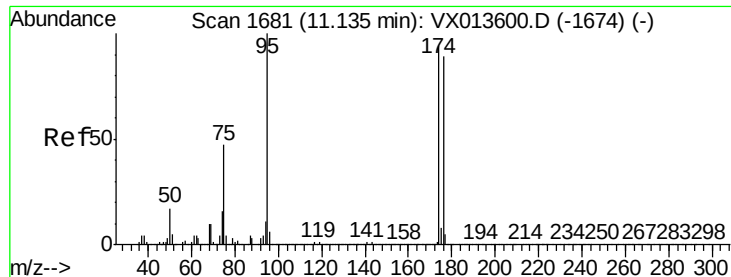
Tgt Ion: 98 Resp: 1226917

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 44.250 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

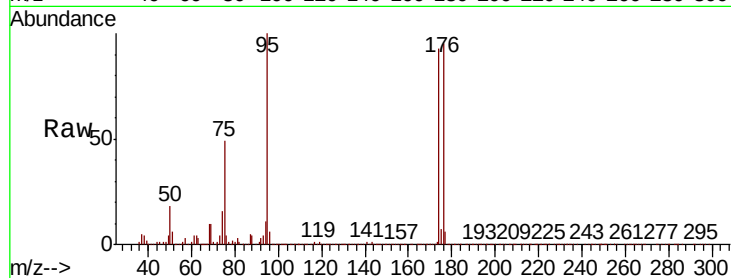
Tot Ion: 95 Resp: 400251

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

176 87.7 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

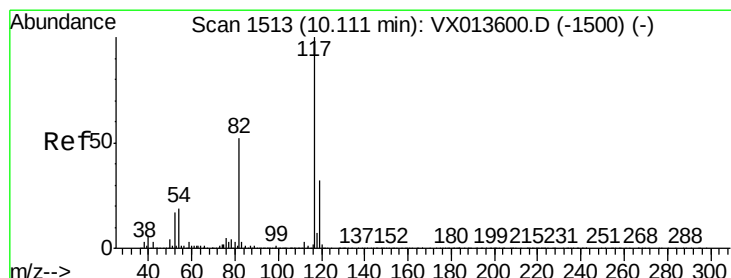
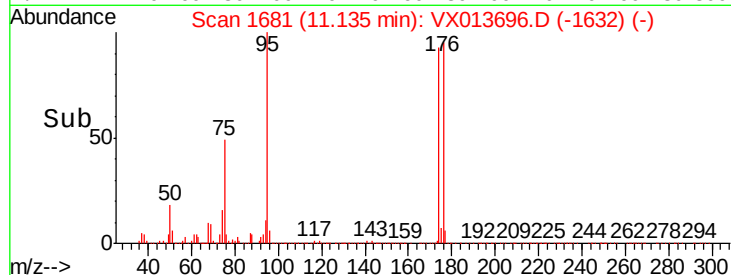
200000

100000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

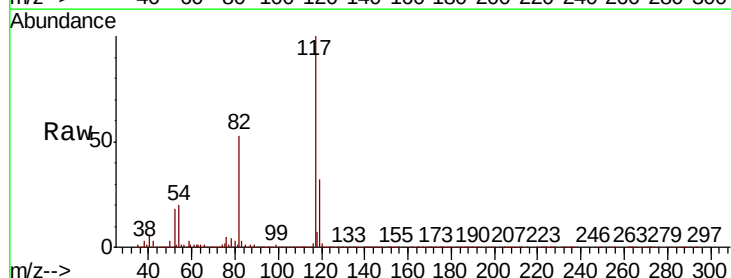
Tgt Ion: 117 Resp: 911926

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

800000

600000

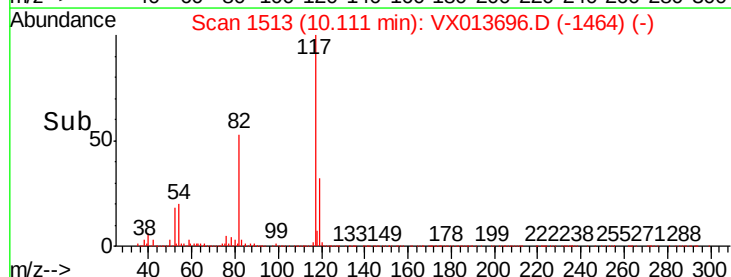
400000

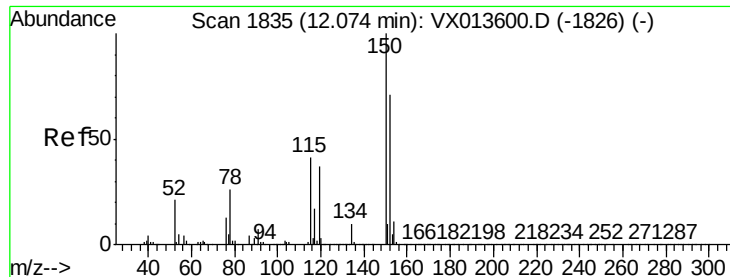
200000

0

10.10 10.20

Time-->



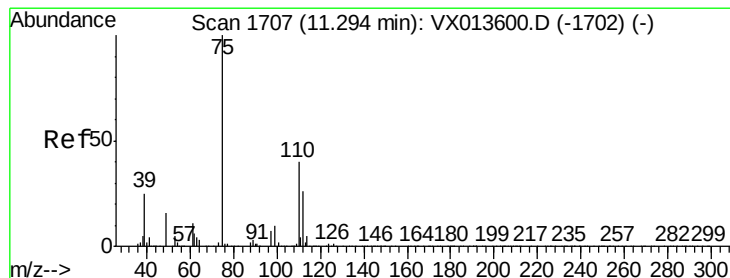
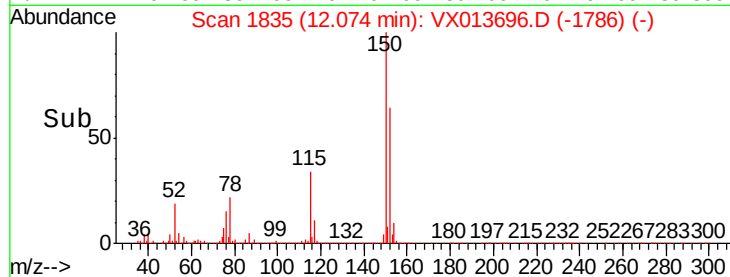
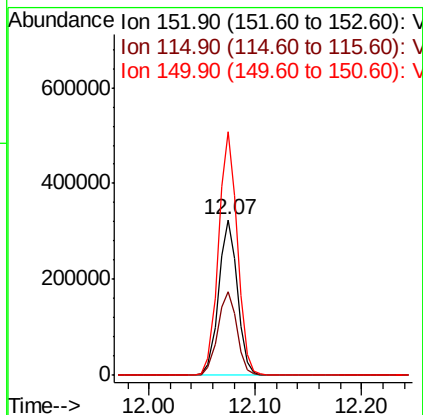
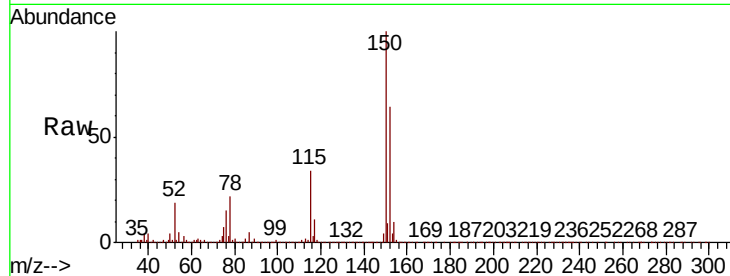


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
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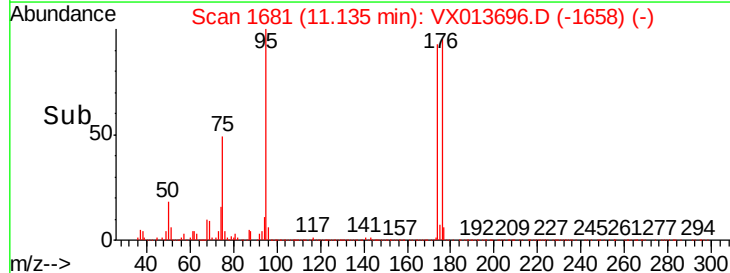
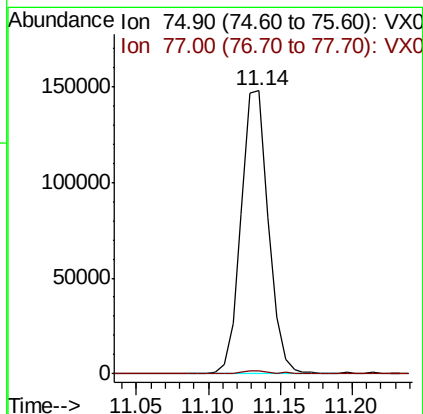
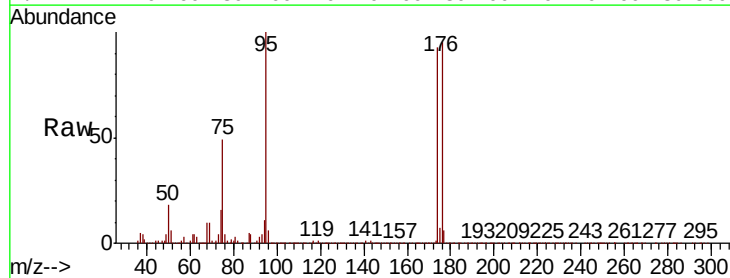
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	157.1	0.0	346.8

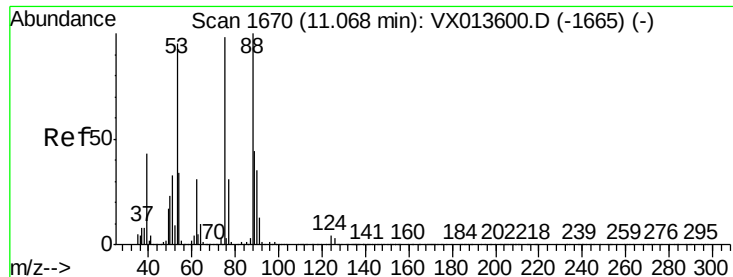


#76

1,2,3-Trichloropropane
Concen: 21.961 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013696.D
Acq: 29 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.083 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013696.D

Acq: 29 Nov 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tot Ion: 75 Resp: 195478

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.2 35.4 53.2#

