

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007132.D
 Acq On : 18 Jan 2019 14:02
 Operator : JC/SP
 Sample : K1195-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8TB03-190116

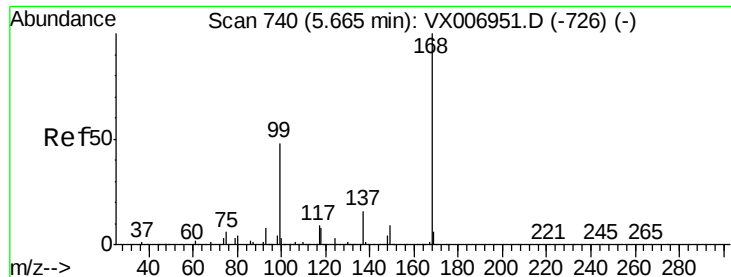
Quant Time: Jan 18 21:50:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	528490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	811165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	772221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	372547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	284891	51.58	ug/l	0.00
Spiked Amount						
			Recovery	=	103.16%	
35) Dibromofluoromethane	5.51	113	252933	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	980372	51.56	ug/l	0.00
Spiked Amount						
			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	350365	52.86	ug/l	0.00
Spiked Amount						
			Recovery	=	105.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1348	0.267	ug/l	98
5) Bromomethane	1.64	94	1751	0.302	ug/l #	68
11) Tert butyl alcohol	3.08	59	524	0.402	ug/l #	21
13) Acrolein	2.29	56	417	3.817	ug/l #	65
15) Acrylonitrile	3.14	53	799	0.267	ug/l #	31
16) Acetone	2.45	43	1186	0.434	ug/l #	64
18) Methyl Acetate	2.78	43	1594	0.202	ug/l #	83
20) Methylene Chloride	2.85	84	2573	Below Cal	#	64
36) 1,1-Dichloropropene	5.66	75	32911	4.667	ug/l #	50
38) Carbon Tetrachloride	5.67	117	47295	6.665	ug/l #	14
49) 1,4-Dioxane	7.75	88	40	Below Cal	#	1
71) Bromoform	11.03	173	105	4.746	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	166237	22.020	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	166237	65.207	ug/l #	10
90) Hexachloroethane	12.56	117	81	2.929	ug/l	74

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007132.D

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Instrument :

MSVOA_X

ClientSampleId :

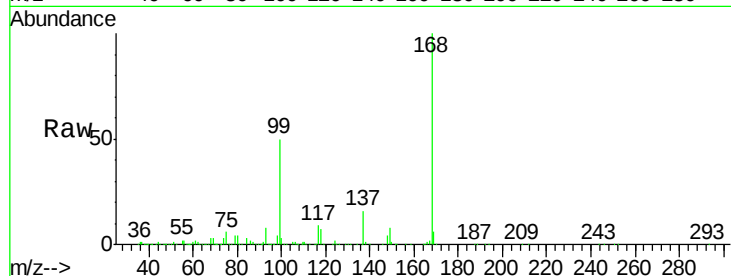
S8TB03-190116

Tot Ion:168 Resp: 528490

Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

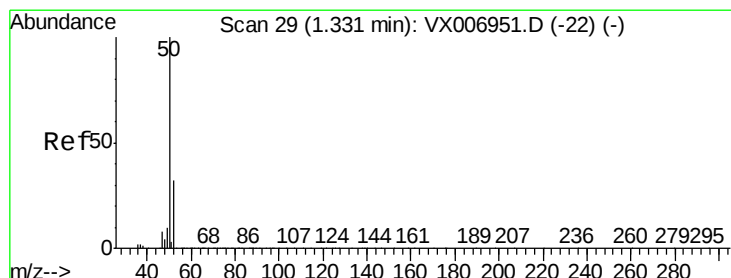
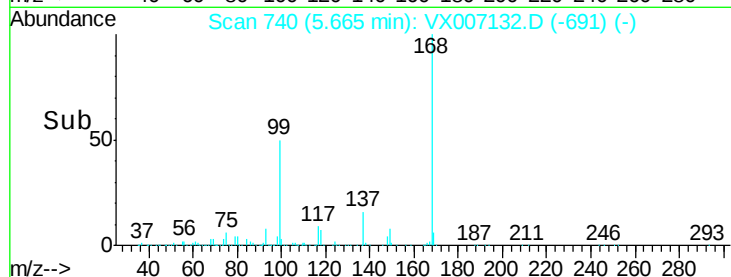
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007132.D

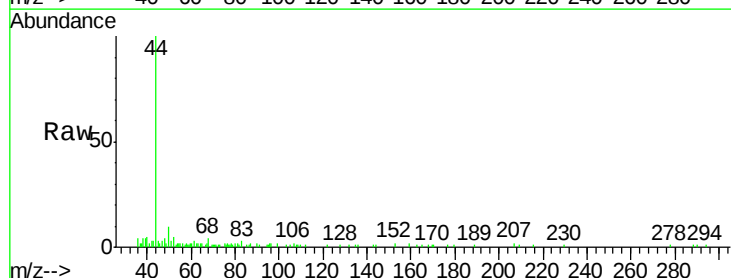
Acq: 18 Jan 2019 14:02

Tgt Ion: 50 Resp: 1348

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

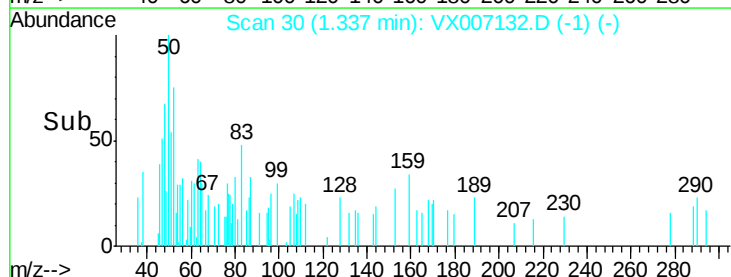
600

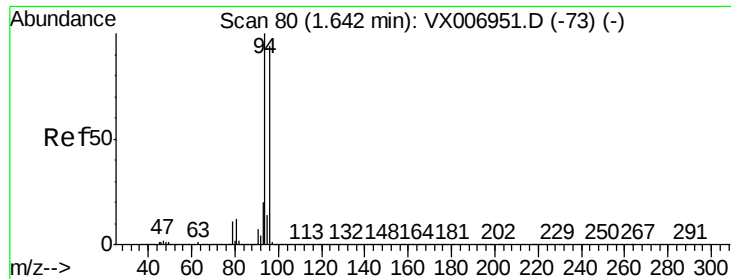
400

200

0

Time-->





#5

Bromomethane

Concen: 0.302 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

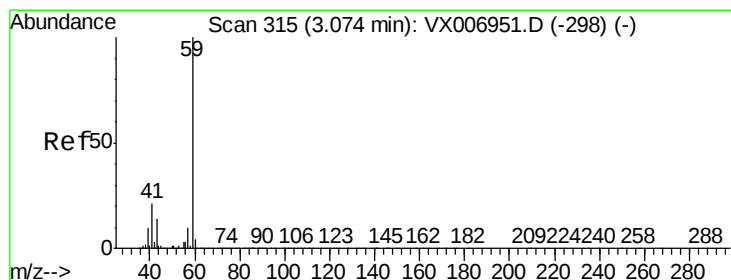
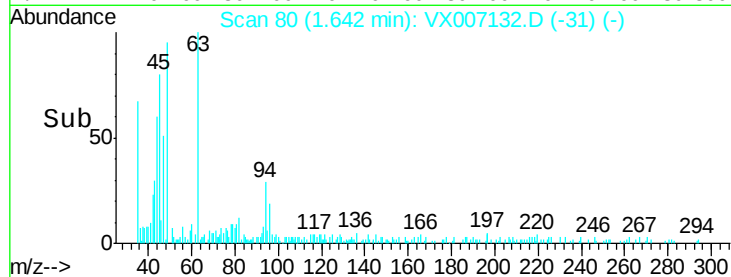
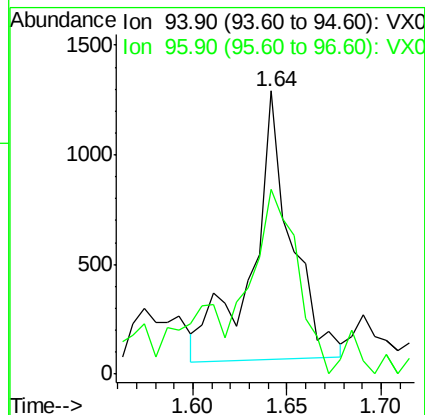
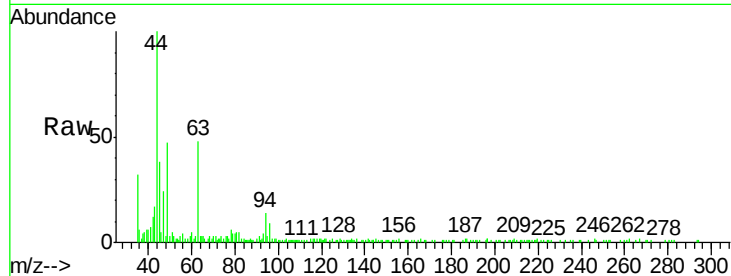
S8TB03-190116

Tot Ion: 94 Resp: 1751

Ion Ratio Lower Upper

94 100

96 61.1 73.4 110.2#



#11

Tert butyl alcohol

Concen: 0.402 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX007132.D

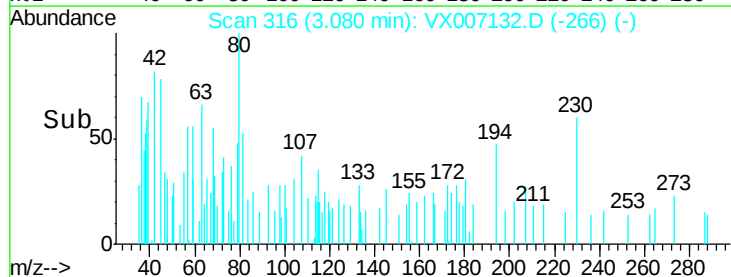
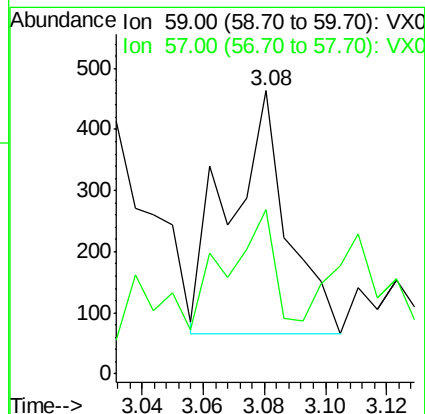
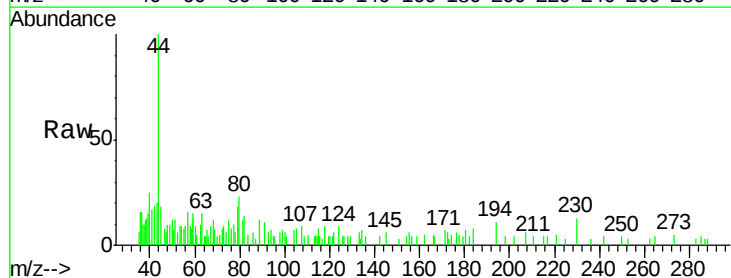
Acq: 18 Jan 2019 14:02

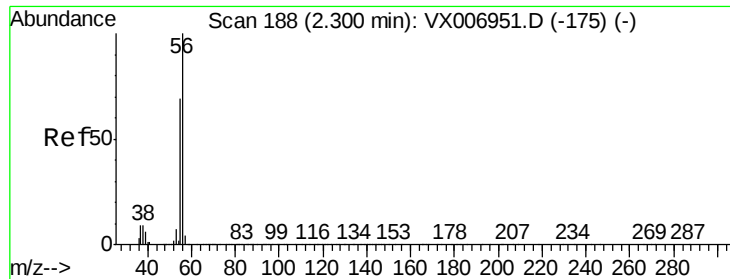
Tgt Ion: 59 Resp: 524

Ion Ratio Lower Upper

59 100

57 40.5 8.5 12.7#





#13

Acrolein

Concen: 3.817 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

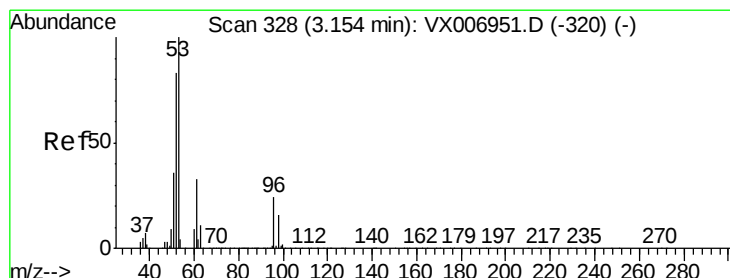
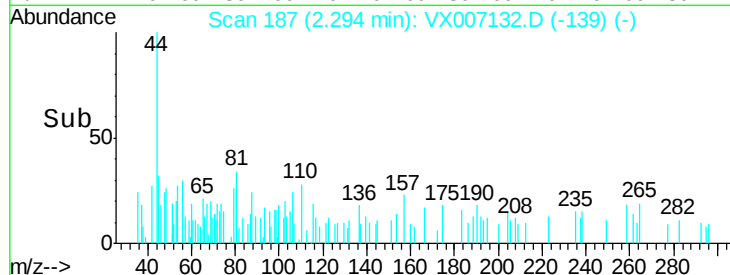
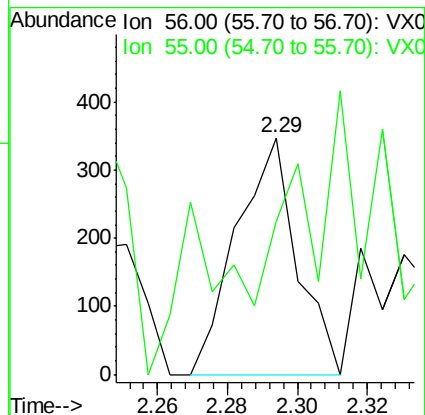
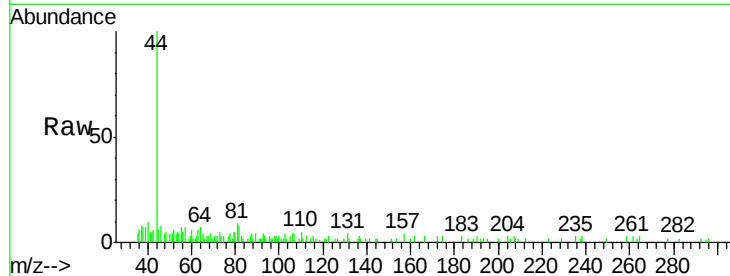
S8TB03-190116

Tot Ion: 56 Resp: 417

Ion Ratio Lower Upper

56 100

55 43.2 58.2 87.4#



#15

Acrylonitrile

Concen: 0.267 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.02 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

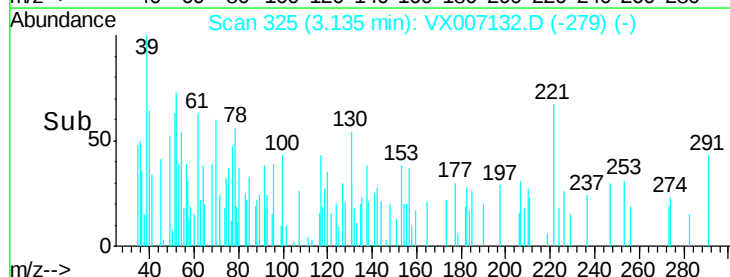
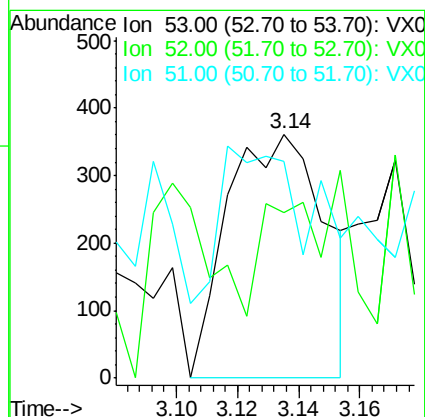
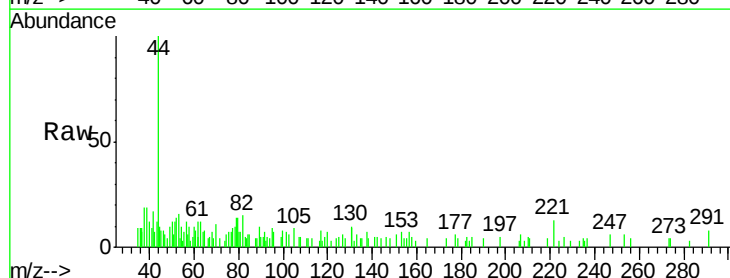
Tgt Ion: 53 Resp: 799

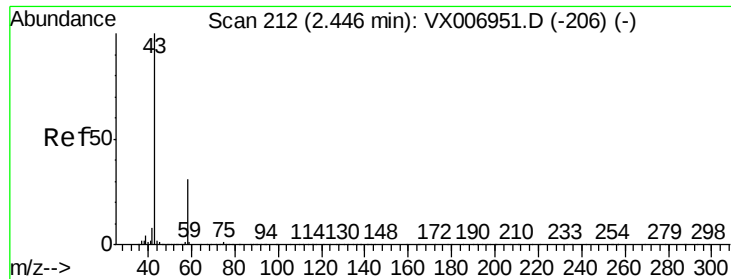
Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 44.7 28.6 42.8#

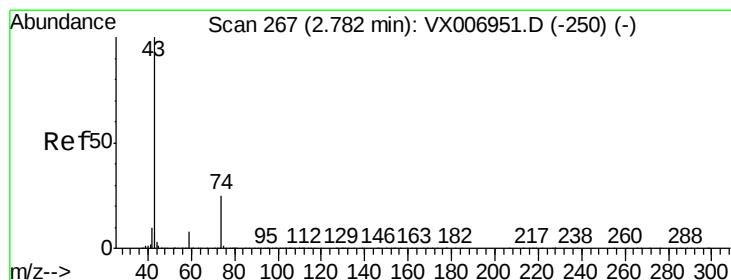
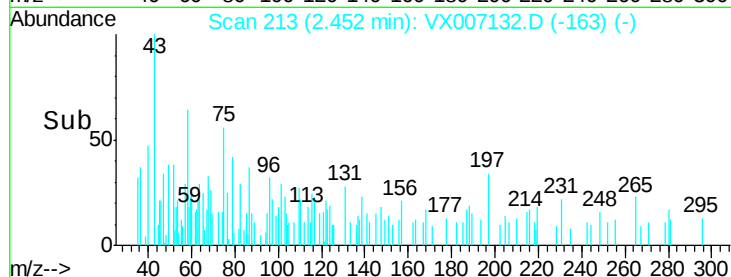
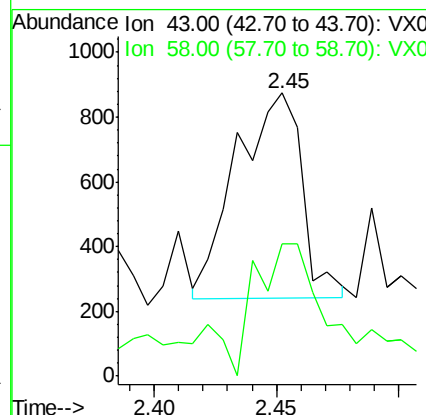
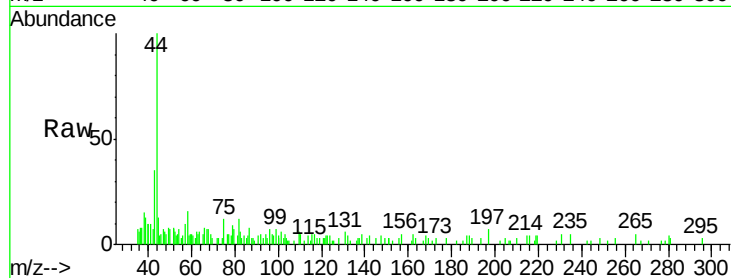




#16
Acetone
Concen: 0.434 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007132.D
Acq: 18 Jan 2019 14:02

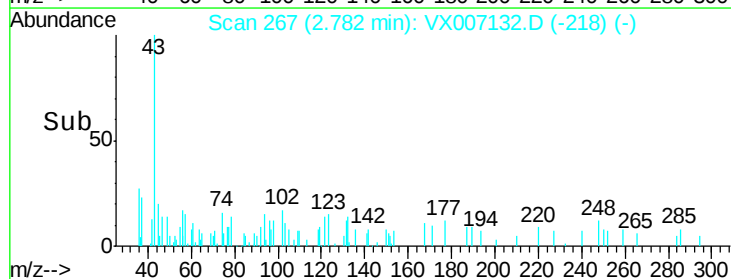
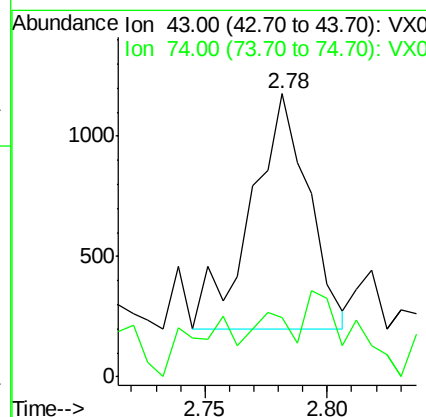
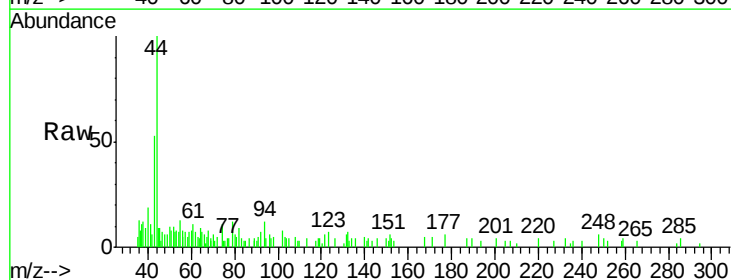
Instrument :
MSVOA_X
ClientSampled :
S8TB03-190116

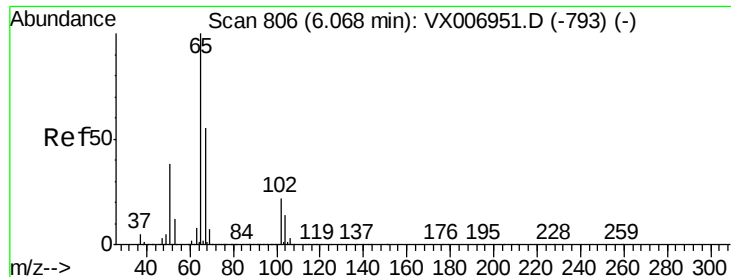
Tot Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 51.2 25.0 37.6#



#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007132.D
Acq: 18 Jan 2019 14:02

Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
74 14.9 18.6 28.0#





#33

1,2-Dichloroethane-d4

Concen: 51.581 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

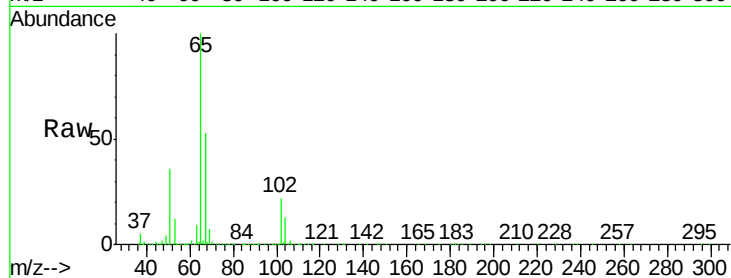
S8TB03-190116

Tot Ion: 65 Resp: 284891

Ion Ratio Lower Upper

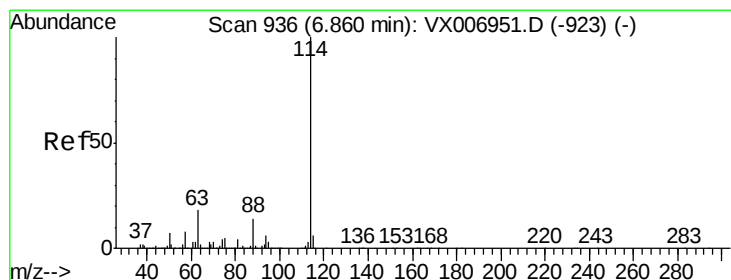
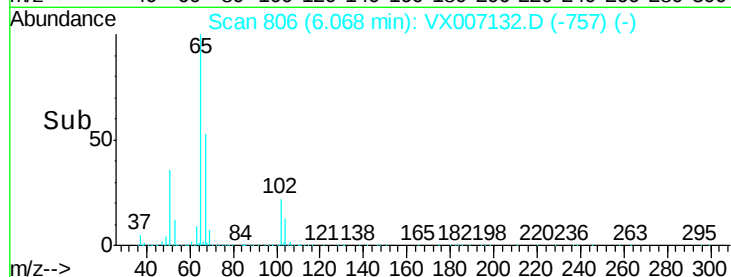
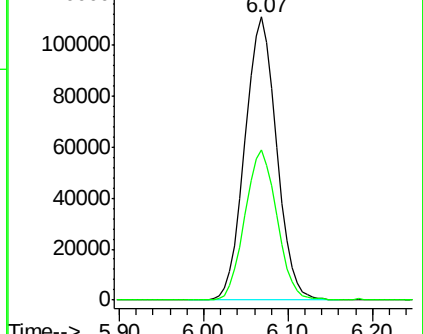
65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

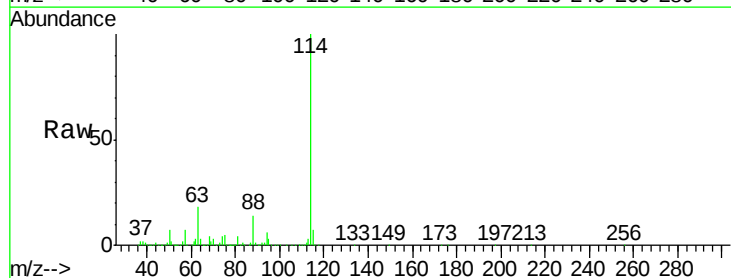
Tgt Ion: 114 Resp: 811165

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

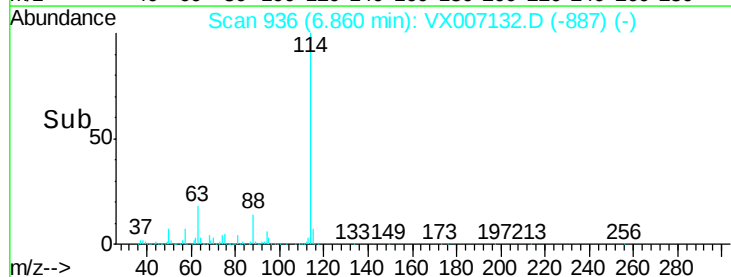
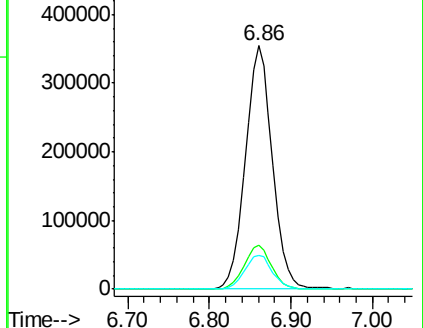
88 14.0 0.0 28.8

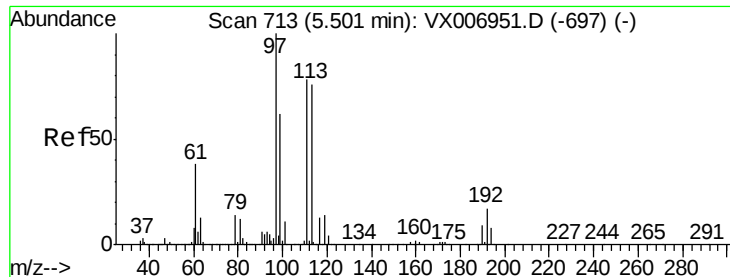


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.691 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

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ClientSampleId :

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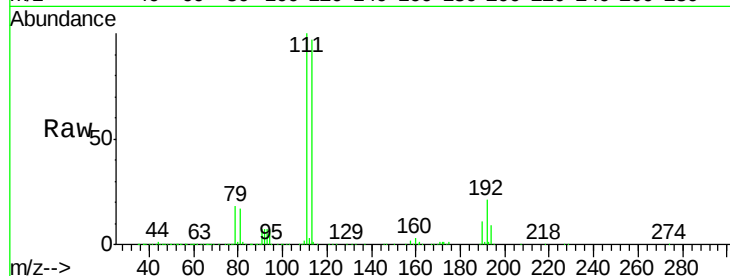
Tot Ion:113 Resp: 252933

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

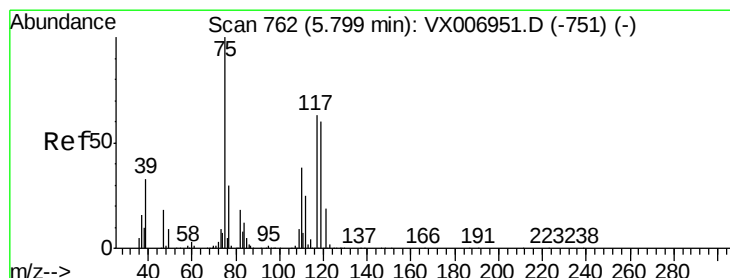
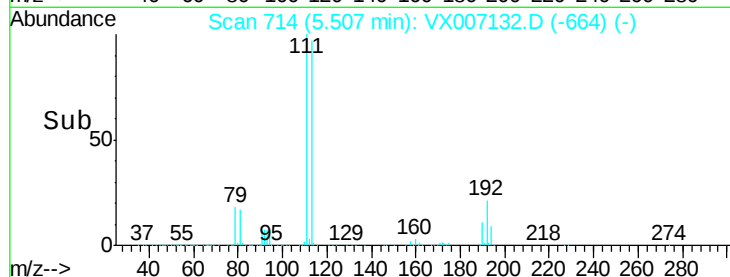
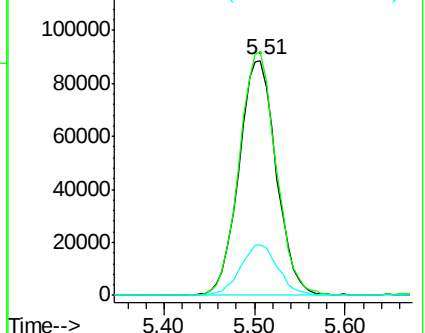
192 21.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

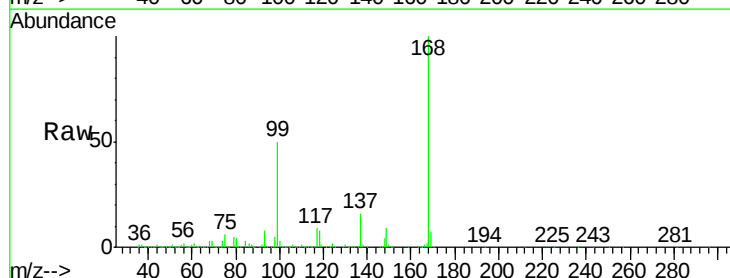
Tgt Ion: 75 Resp: 32911

Ion Ratio Lower Upper

75 100

110 11.7 20.2 60.5#

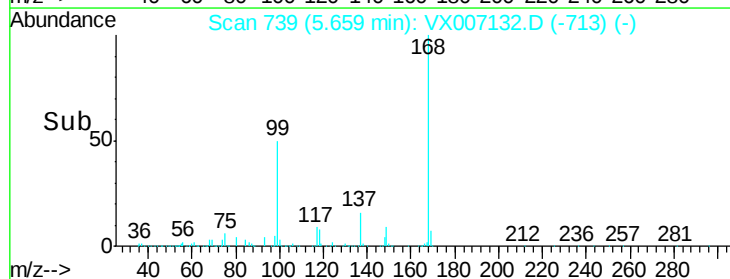
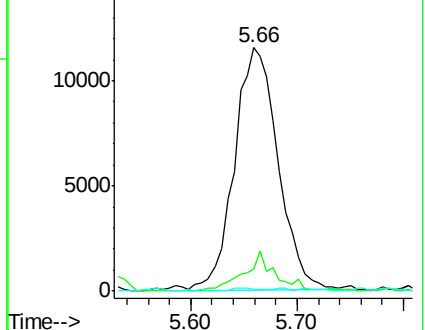
77 0.8 24.8 37.2#

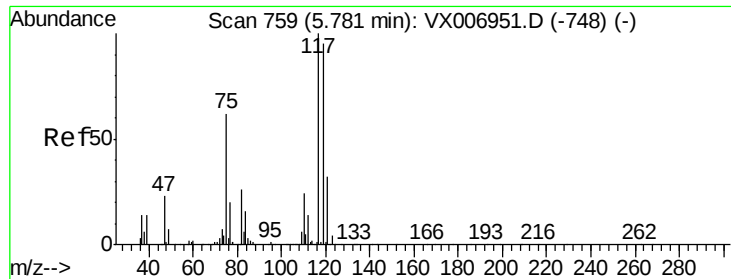


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

S8TB03-190116

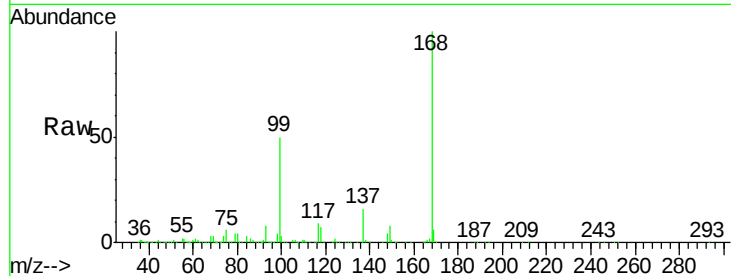
Tot Ion:117 Resp: 47295

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

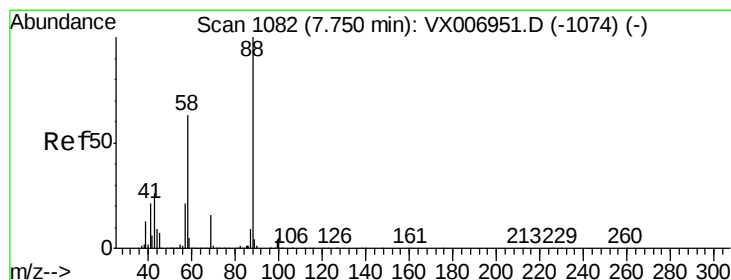
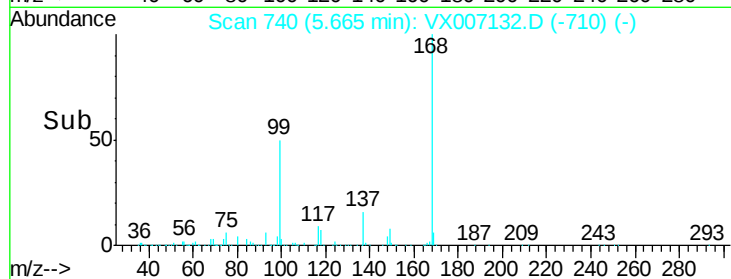
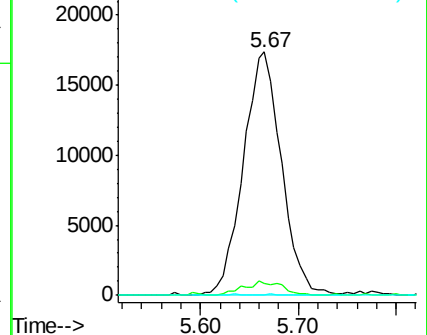
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

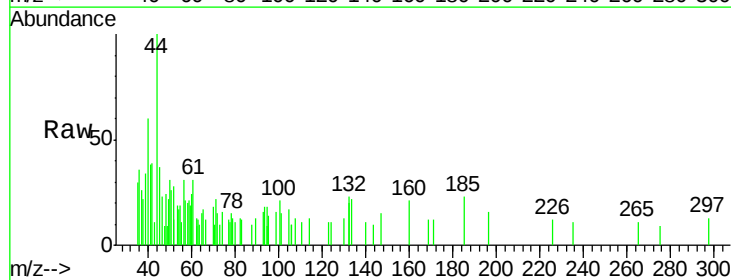
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 685.0 22.2 33.4#

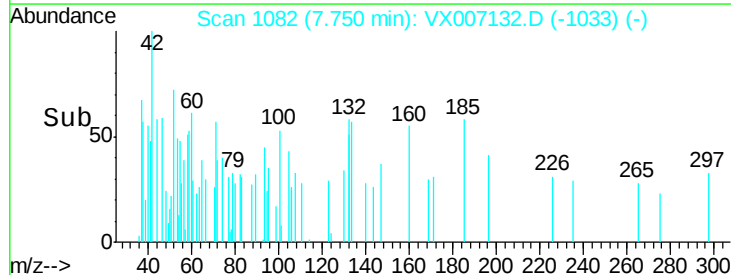
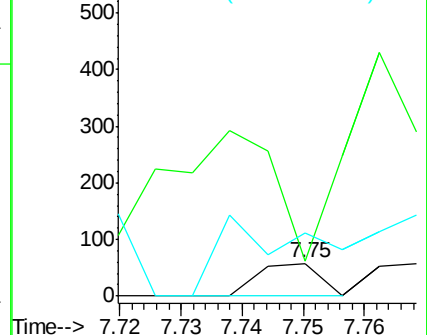
58 372.5 51.0 76.4#

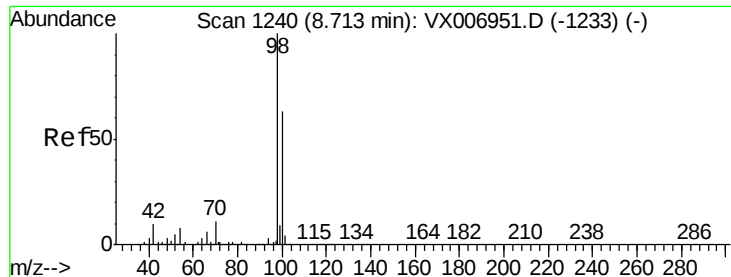


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.560 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

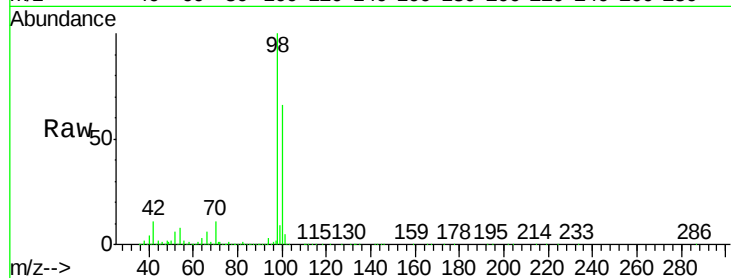
S8TB03-190116

Tot Ion: 98 Resp: 980372

Ion Ratio Lower Upper

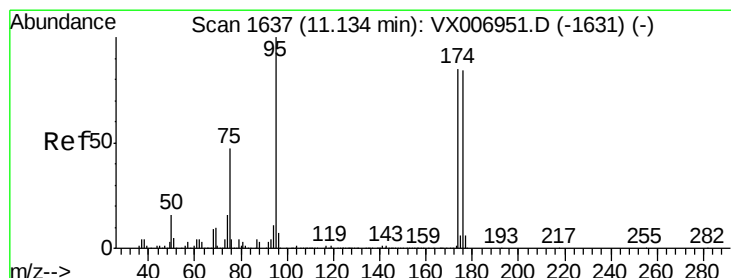
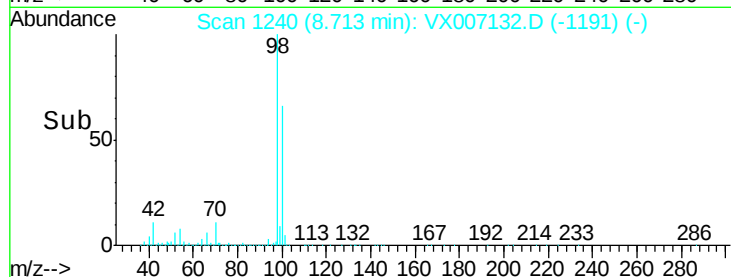
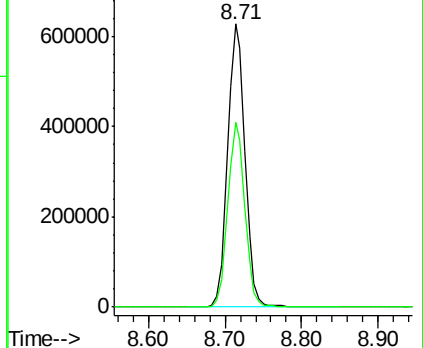
98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 52.855 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

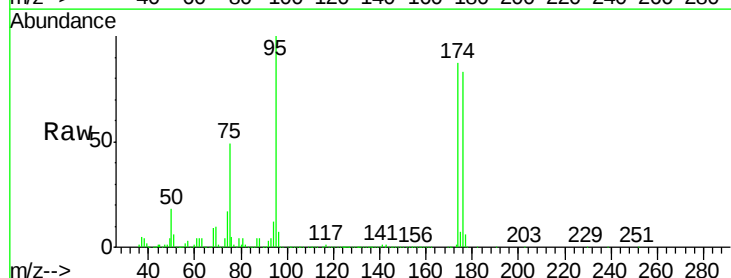
Tgt Ion: 95 Resp: 350365

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

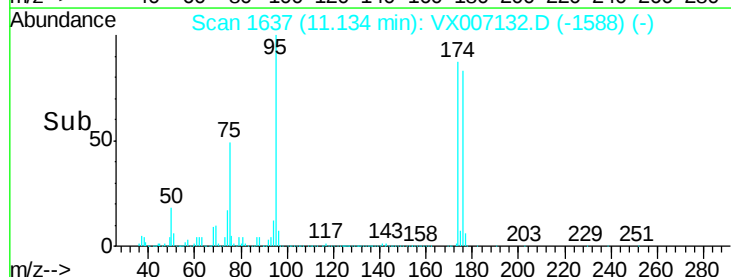
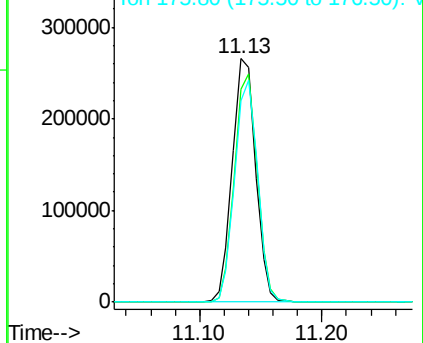
176 89.6 0.0 178.8

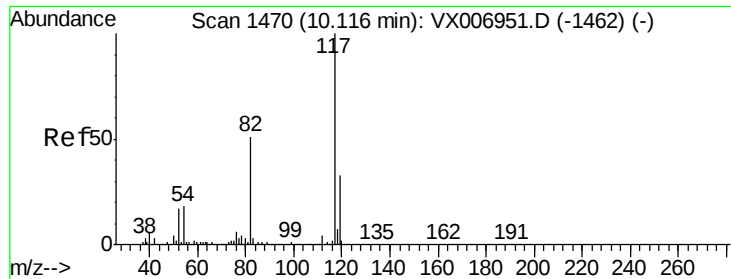


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

S8TB03-190116

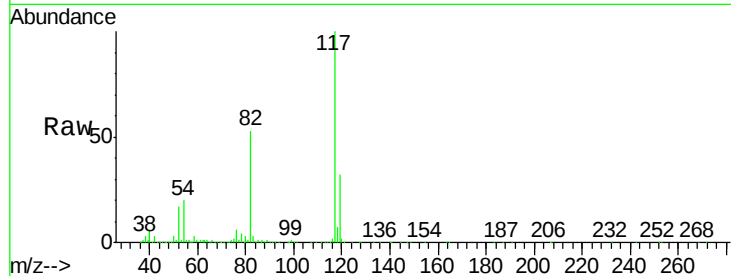
Tot Ion:117 Resp: 772221

Ion Ratio Lower Upper

117 100

82 53.2 41.0 61.6

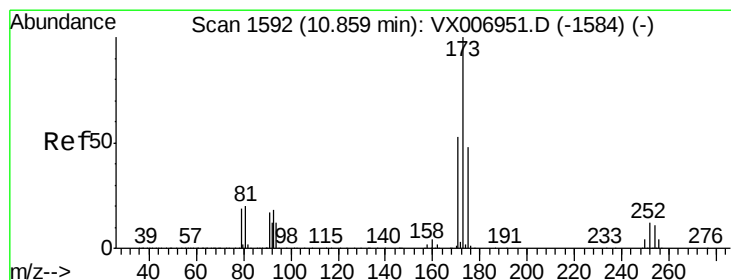
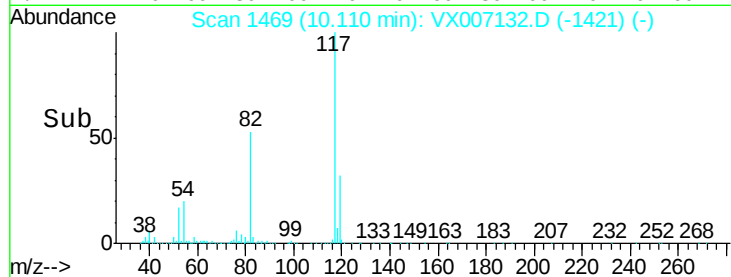
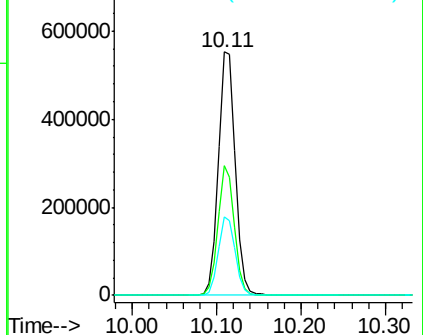
119 32.2 25.4 38.0



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



#71

Bromoform

Concen: 4.746 ug/l

RT: 11.03 min Scan# 1620

Delta R.T. 0.17 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

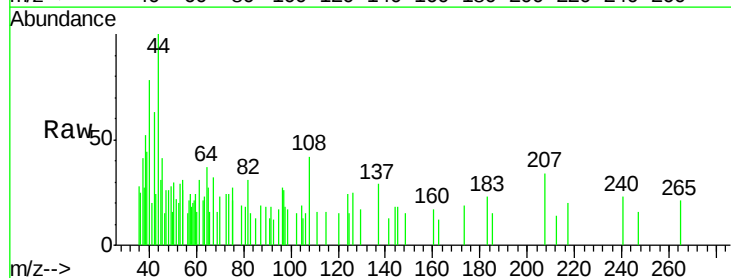
Tgt Ion:173 Resp: 105

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

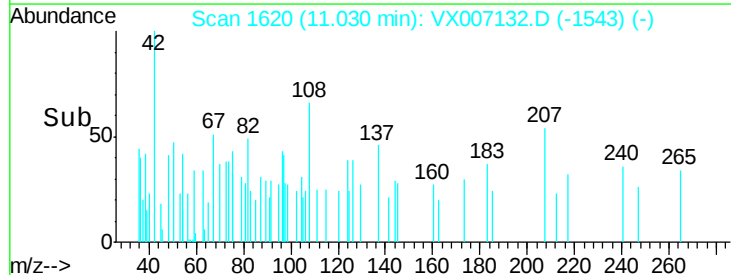
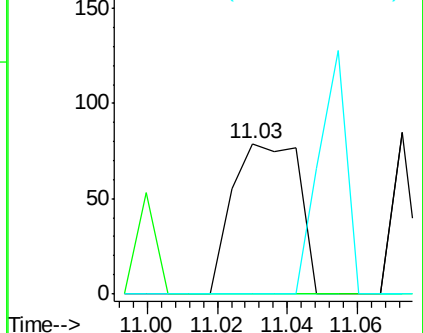
254 0.0 0.2 0.2#

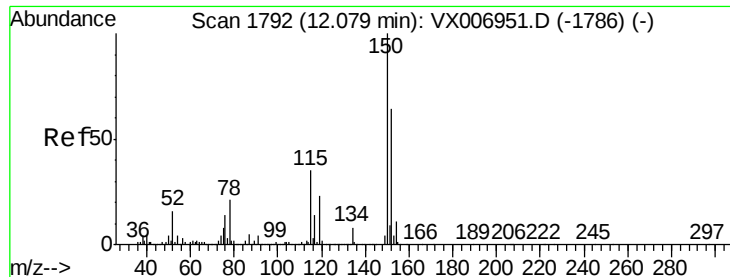


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



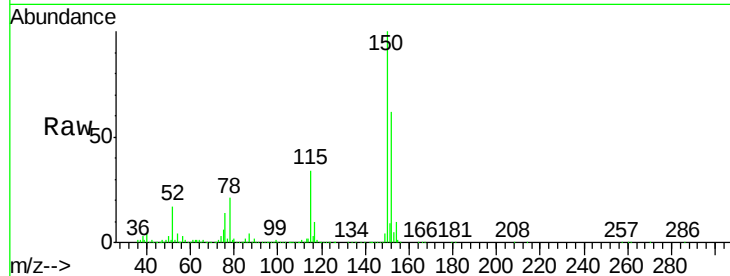


#72

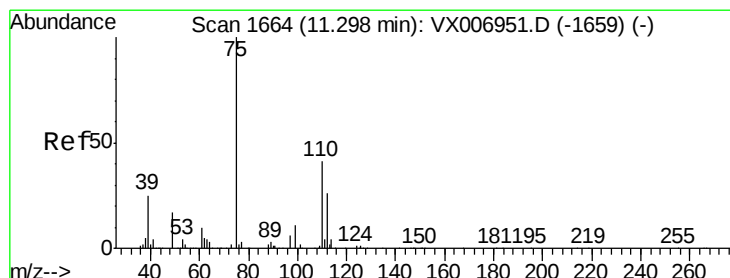
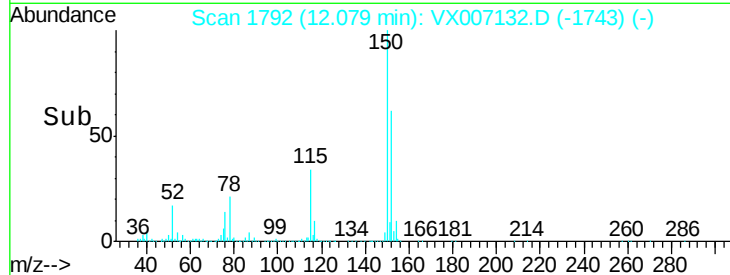
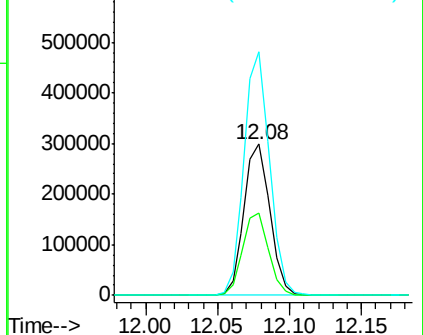
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007132.D
Acq: 18 Jan 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
S8TB03-190116

Tot Ion:152 Resp: 372547
Ion Ratio Lower Upper
152 100
115 54.3 39.1 117.2
150 158.3 0.0 344.8



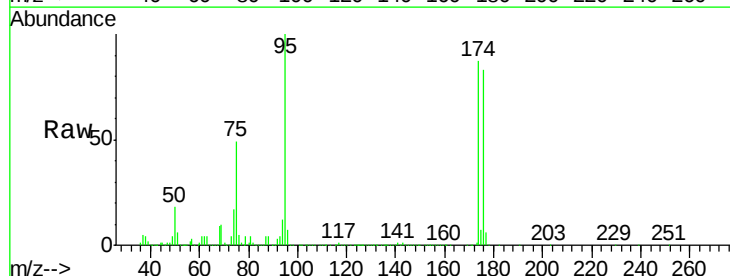
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



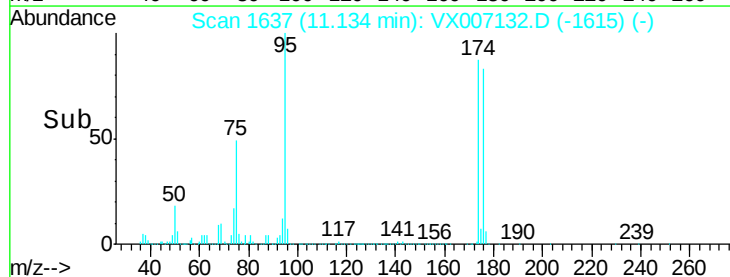
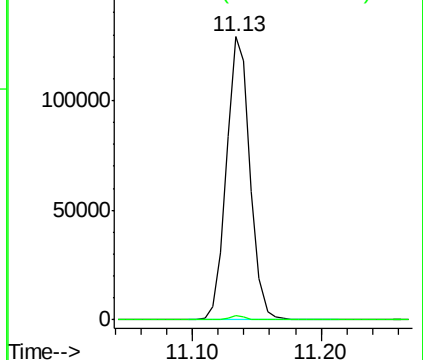
#76

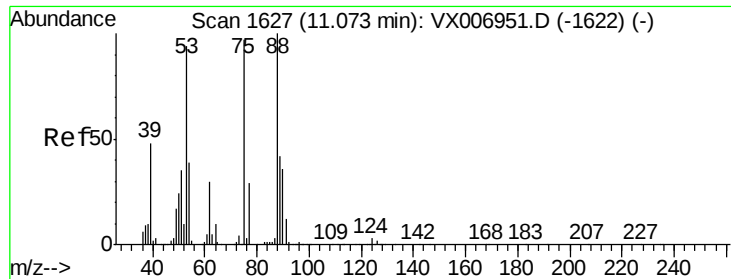
1,2,3-Trichloropropane
Concen: 22.020 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007132.D
Acq: 18 Jan 2019 14:02

Tgt Ion: 75 Resp: 166237
Ion Ratio Lower Upper
75 100
77 1.5 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.207 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

S8TB03-190116

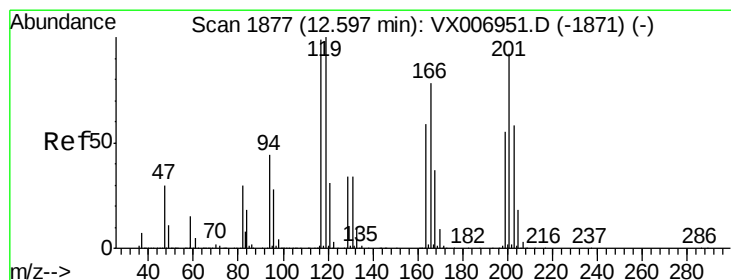
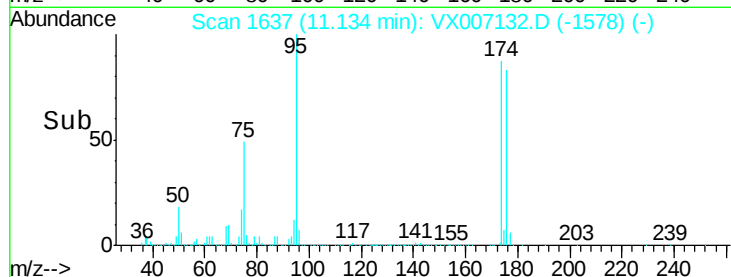
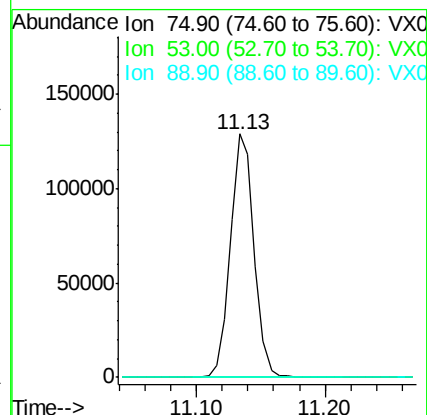
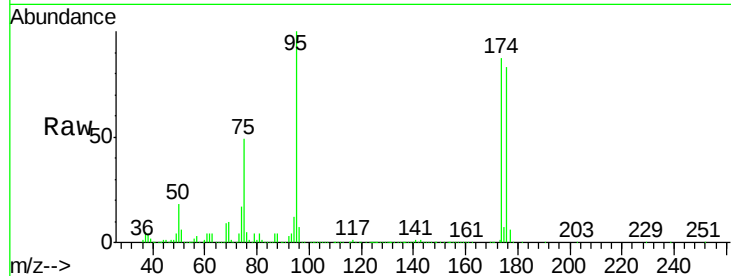
Tot Ion: 75 Resp: 166237

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 2.929 ug/l

RT: 12.56 min Scan# 1871

Delta R.T. -0.04 min

Lab File: VX007132.D

Acq: 18 Jan 2019 14:02

Tgt Ion: 117 Resp: 81

Ion Ratio Lower Upper

117 100

201 61.7 42.9 128.7

