

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007079.D
 Acq On : 17 Jan 2019 10:57
 Operator : JC/SP
 Sample : VX0117WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0117WBL01

Quant Time: Jan 18 04:46:36 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	5.66	168	587634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	908118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	844881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	411351	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	316676	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	5.50	113	284320	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	1083312	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	389185	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

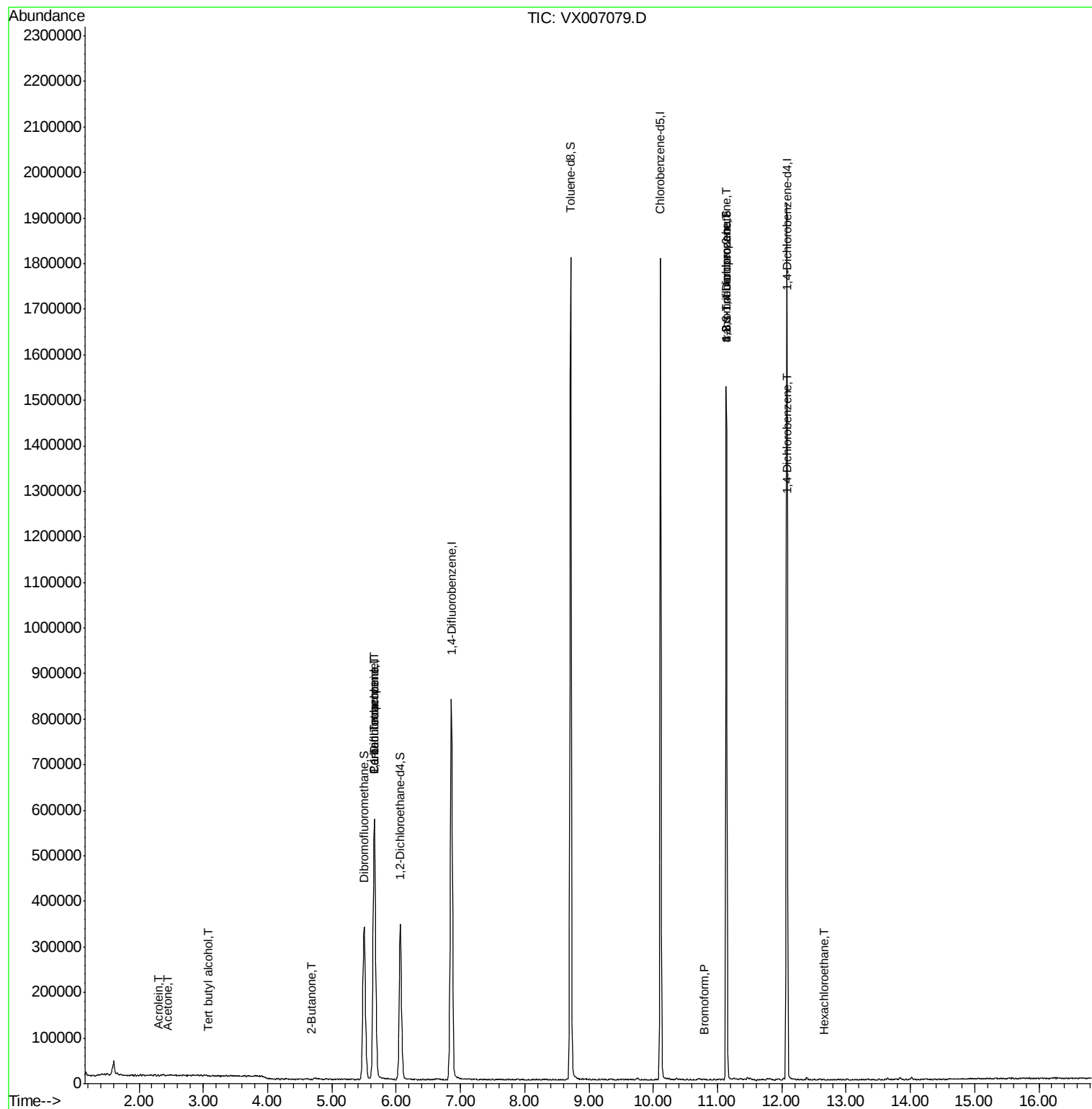
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	592	0.409	ug/l #	88
13) Acrolein	2.29	56	300	3.558	ug/l #	76
16) Acetone	2.45	43	1144	0.377	ug/l	99
20) Methylene Chloride	2.85	84	812	Below Cal	#	51
25) 2-Butanone	4.67	43	1225	0.282	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	36857	4.668	ug/l #	43
38) Carbon Tetrachloride	5.66	117	53285	6.708	ug/l #	15
49) 1,4-Dioxane	7.75	88	264	Below Cal	#	1
71) Bromoform	10.78	173	82	4.741	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	183974	22.070	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	183974	65.349	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	1606	0.262	ug/l #	1
90) Hexachloroethane	12.65	117	85	2.928	ug/l	87

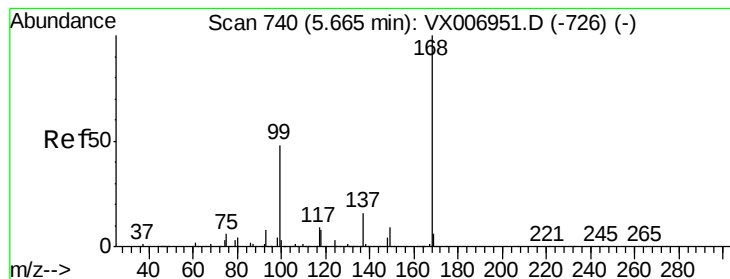
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 04:46:36 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

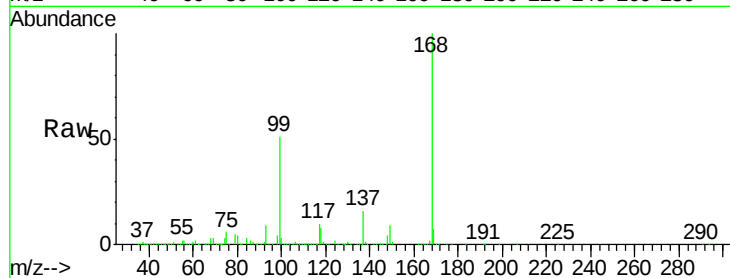
VX0117WBL01

Tot Ion:168 Resp: 587634

Ion Ratio Lower Upper

168 100

99 50.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

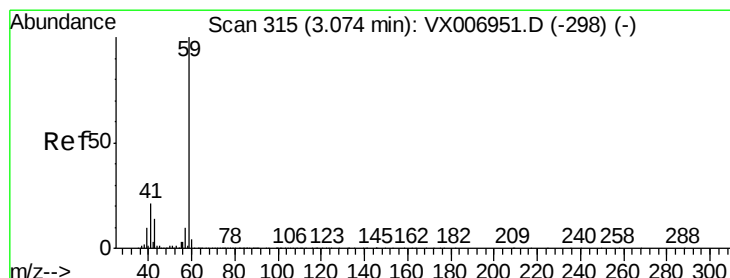
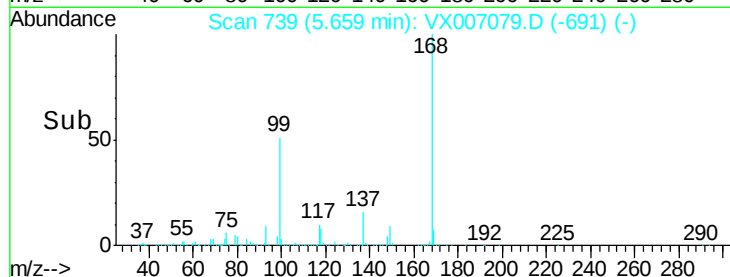
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.409 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007079.D

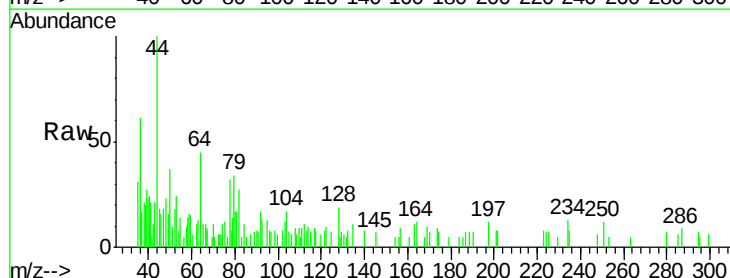
Acq: 17 Jan 2019 10:57

Tgt Ion: 59 Resp: 592

Ion Ratio Lower Upper

59 100

57 15.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

600

500

400

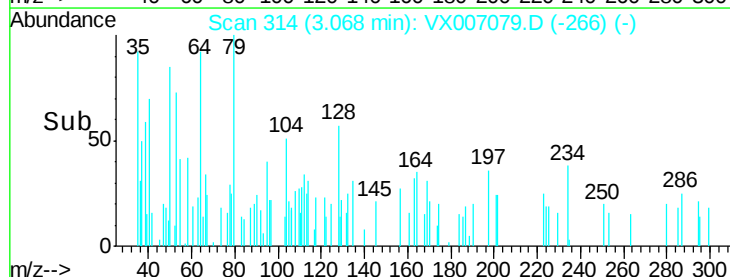
300

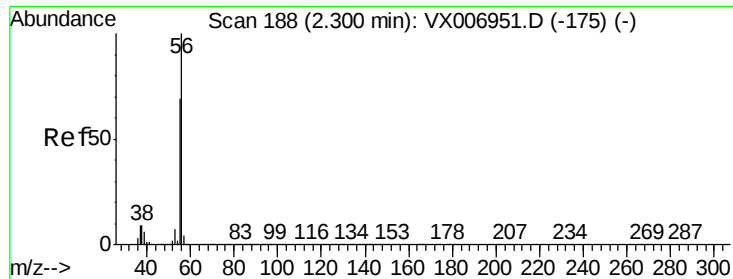
200

100

0

Time-->





#13

Acrolein

Concen: 3.558 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

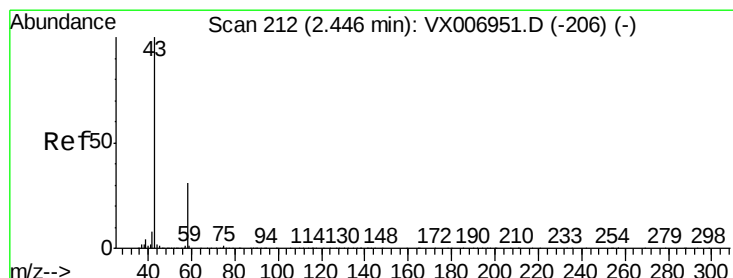
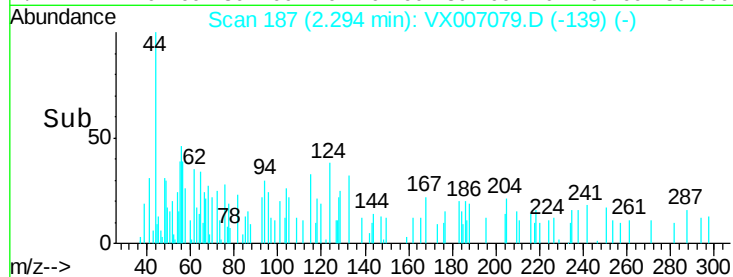
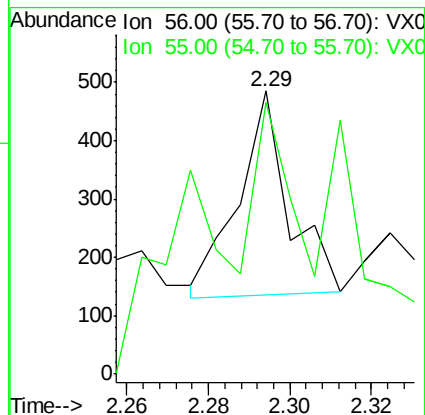
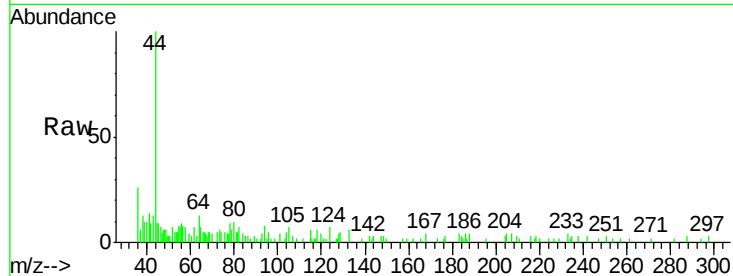
VX0117WBL01

Tot Ion: 56 Resp: 300

Ion Ratio Lower Upper

56 100

55 53.0 58.2 87.4#



#16

Acetone

Concen: 0.377 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007079.D

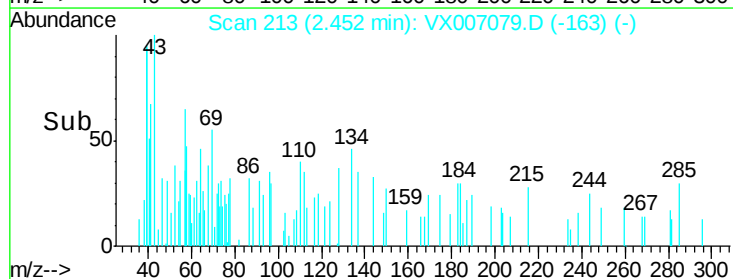
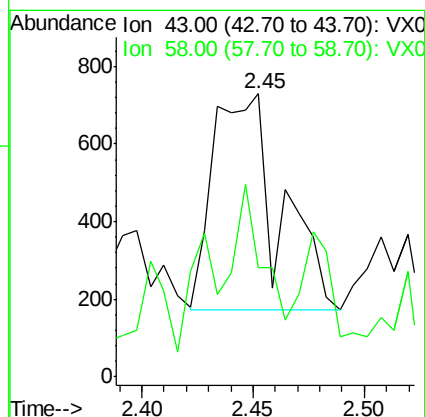
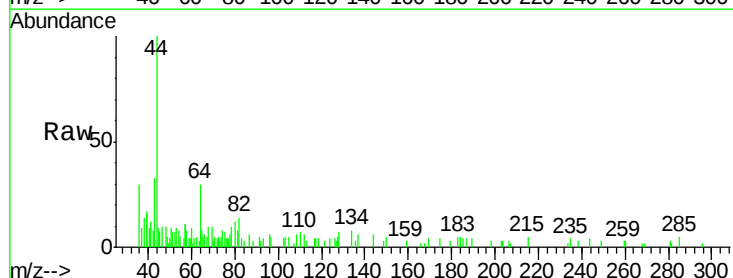
Acq: 17 Jan 2019 10:57

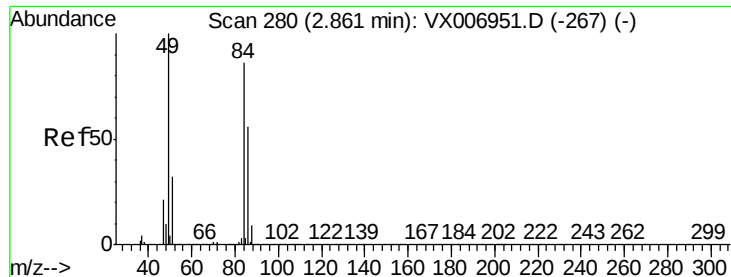
Tgt Ion: 43 Resp: 1144

Ion Ratio Lower Upper

43 100

58 32.1 25.0 37.6

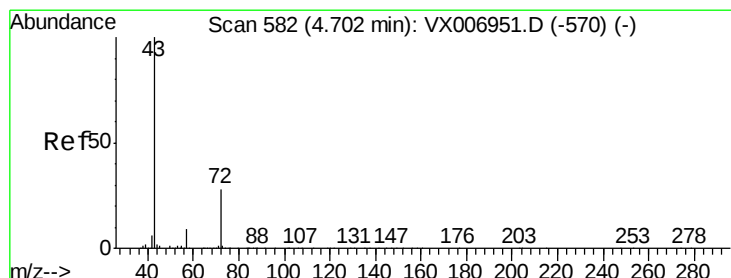
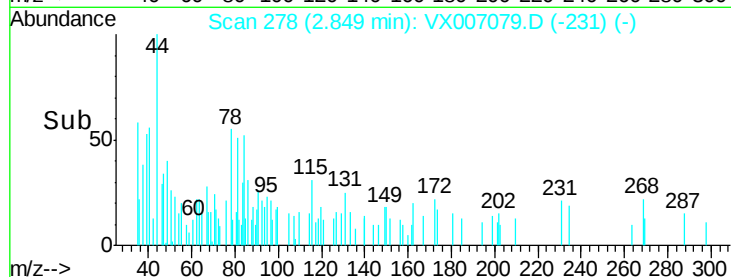
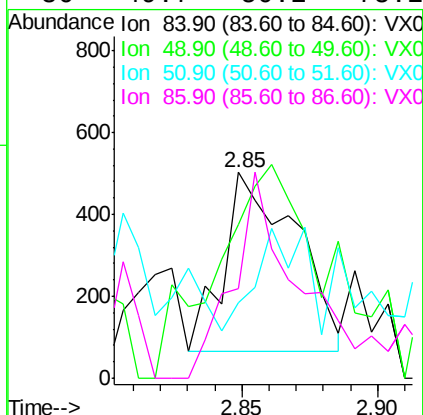
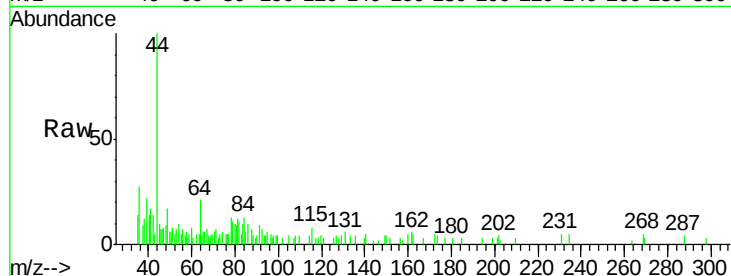




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007079.D
Acq: 17 Jan 2019 10:57

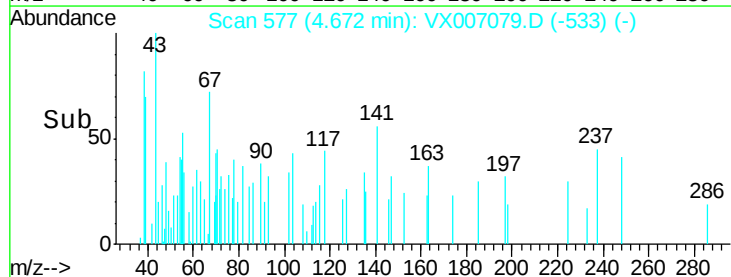
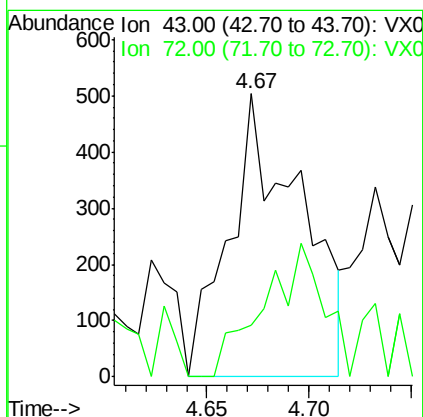
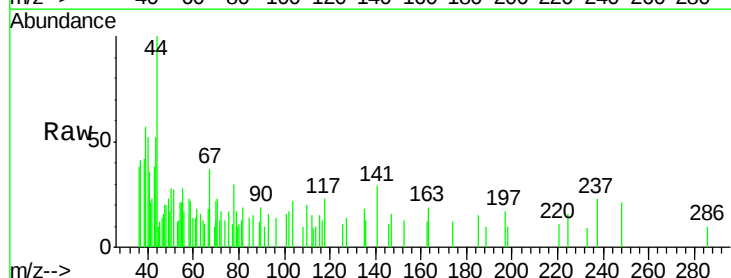
Instrument :
MSVOA_X
ClientSampleId :
VX0117WBL01

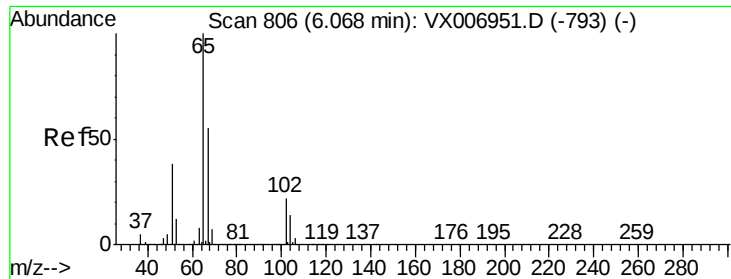
Tot Ion	Ratio	Lower	Upper
84	100		
49	45.8	91.8	137.6#
51	0.0	28.5	42.7#
86	49.7	50.2	75.2#



#25
2-Butanone
Concen: 0.282 ug/l
RT: 4.67 min Scan# 577
Delta R.T. -0.03 min
Lab File: VX007079.D
Acq: 17 Jan 2019 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.5	22.4	33.6#





#33

1,2-Dichloroethane-d4

Concen: 51.565 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

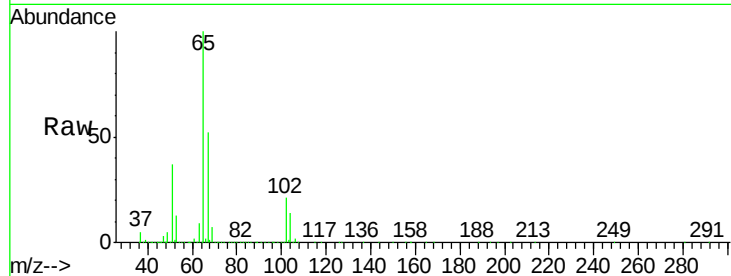
VX0117WBL01

Tot Ion: 65 Resp: 316676

Ion Ratio Lower Upper

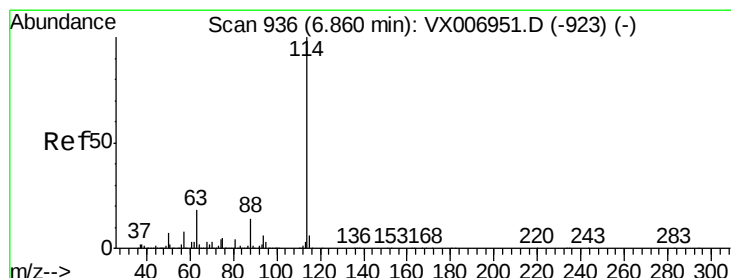
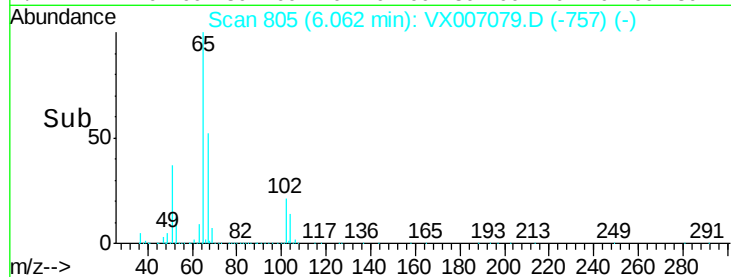
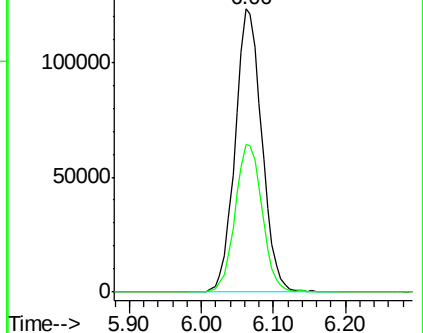
65 100

67 52.6 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: VX007079.D

Acq: 17 Jan 2019 10:57

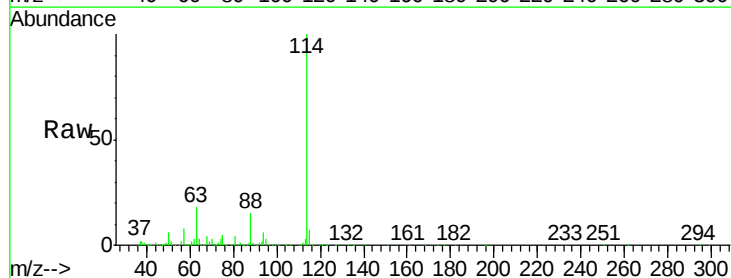
Tgt Ion: 114 Resp: 908118

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

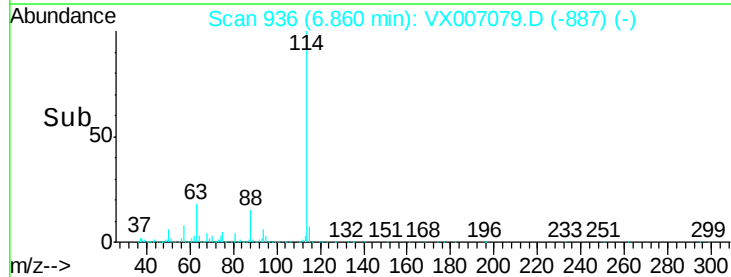
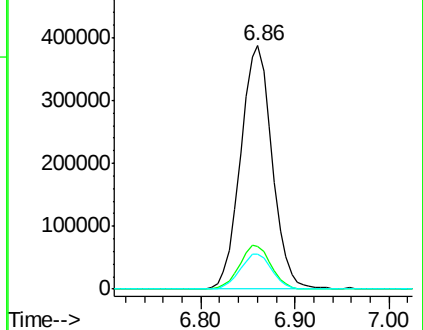
88 14.5 0.0 28.8

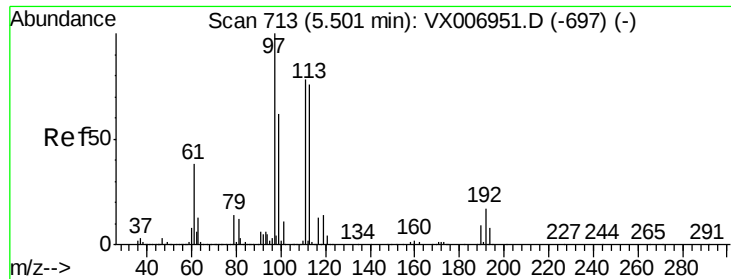


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 5.50 min Scan# 713

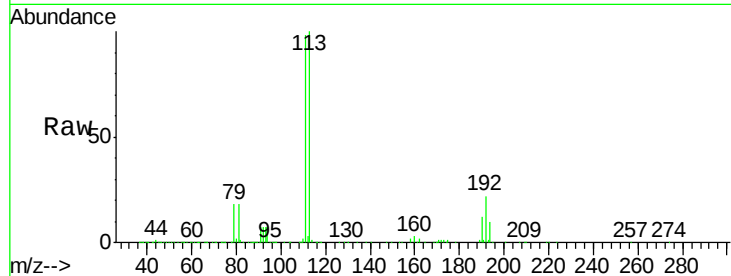
Delta R.T. 0.00 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :
MSVOA_X
ClientSampled :
VX0117WBL01

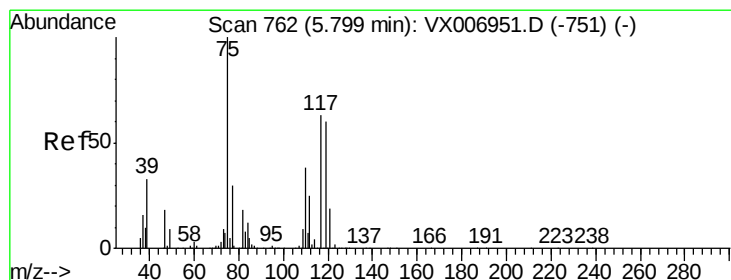
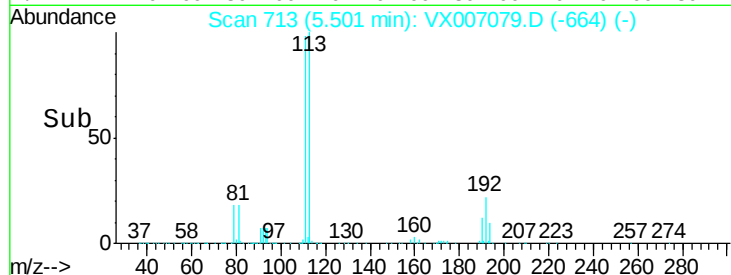
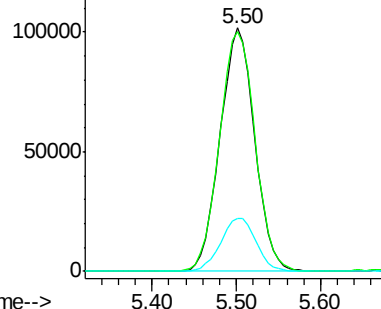
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	22.4	16.7	25.1



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: 4.668 ug/l

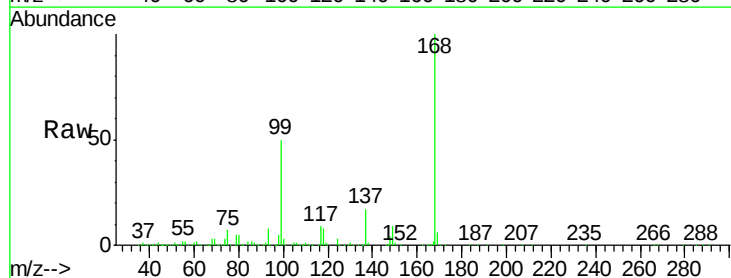
RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

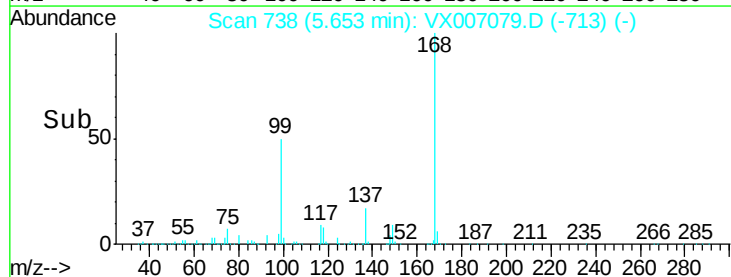
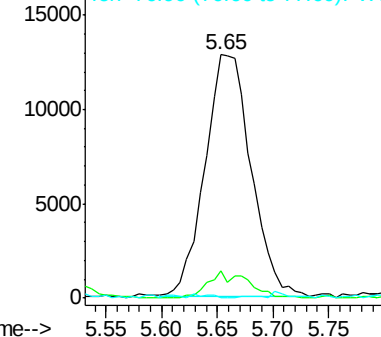
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.8	20.2	60.5#
77	0.0	24.8	37.2#

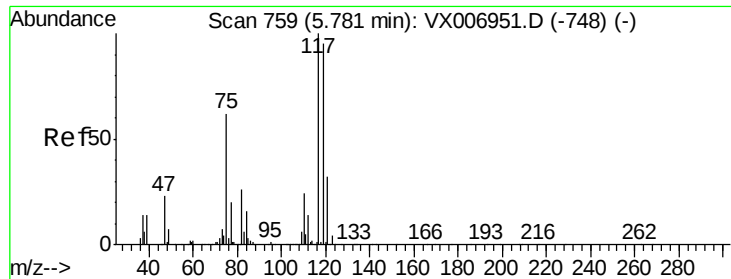


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

VX0117WBL01

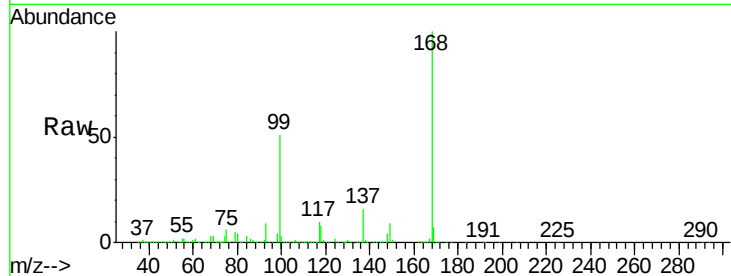
Tot Ion:117 Resp: 53285

Ion Ratio Lower Upper

117 100

119 5.3 79.4 119.2#

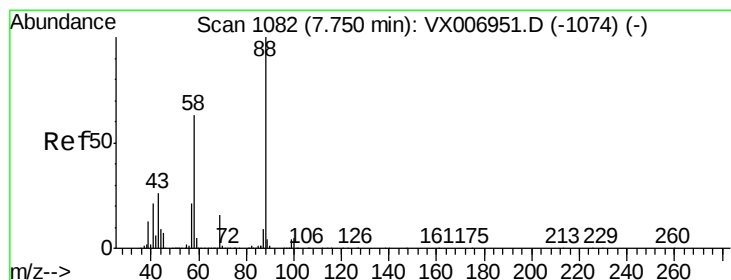
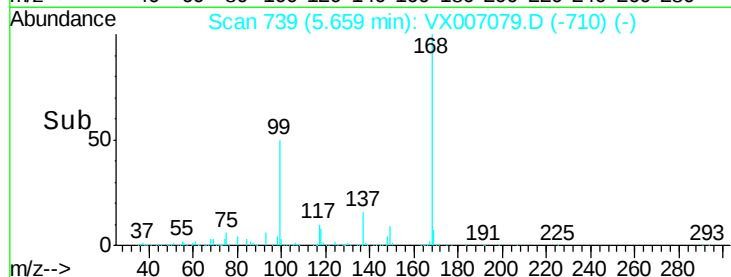
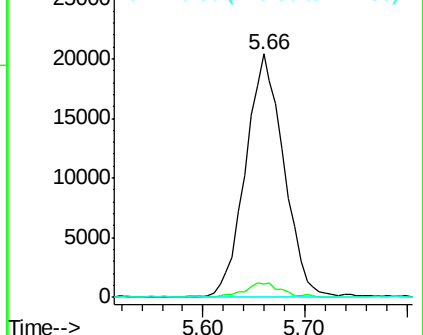
121 0.4 24.0 36.0#



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: VX007079.D

Acq: 17 Jan 2019 10:57

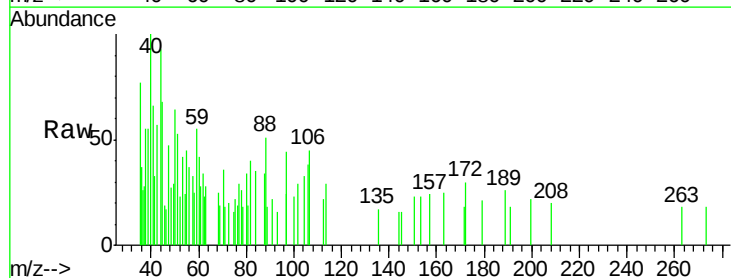
Tgt Ion: 88 Resp: 264

Ion Ratio Lower Upper

88 100

43 184.1 22.2 33.4#

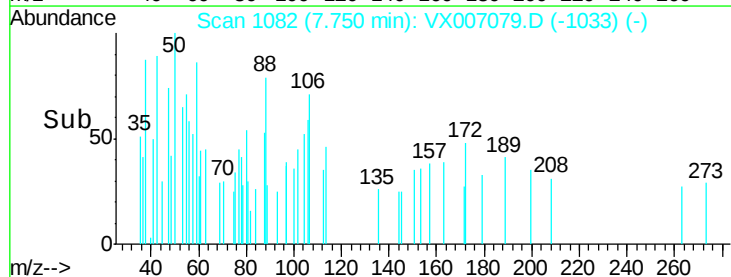
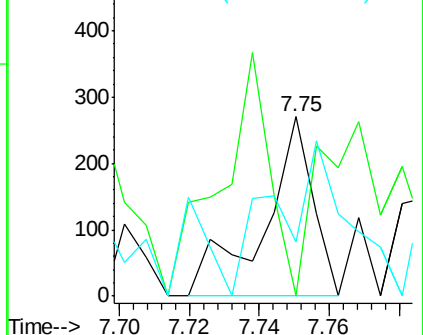
58 73.5 51.0 76.4

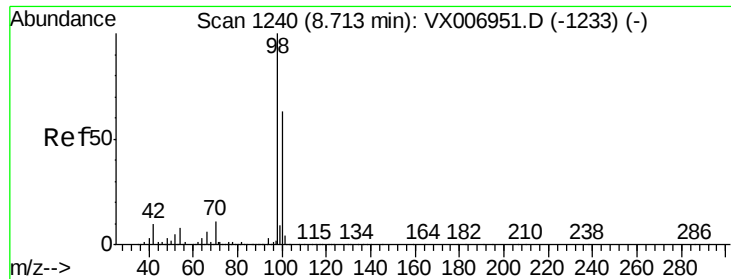


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.892 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

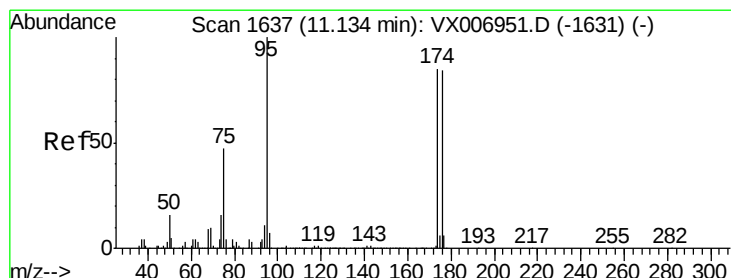
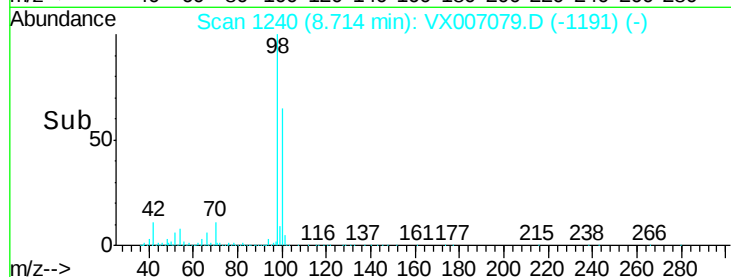
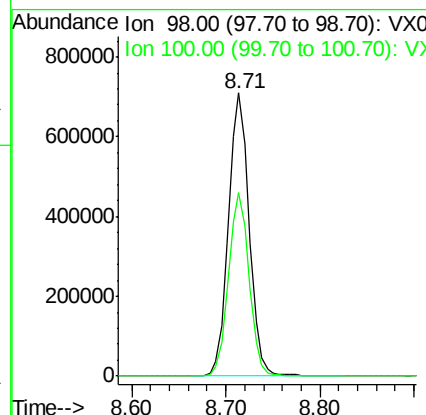
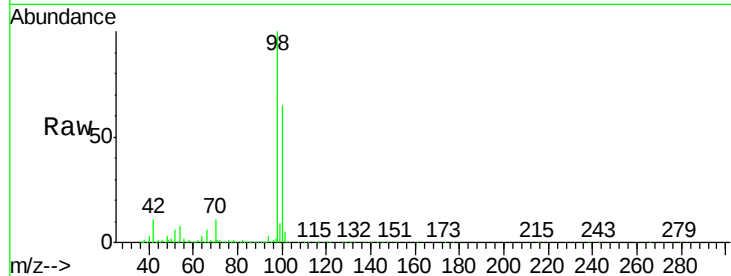
VX0117WBL01

Tot Ion: 98 Resp: 1083312

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.443 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

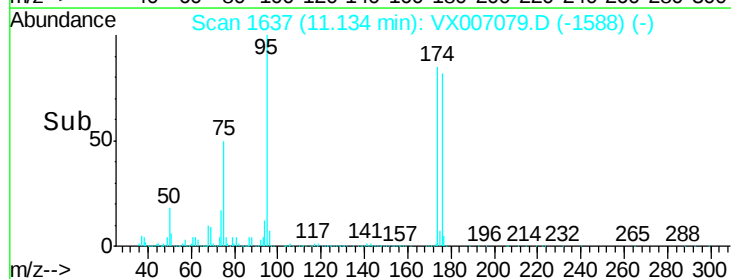
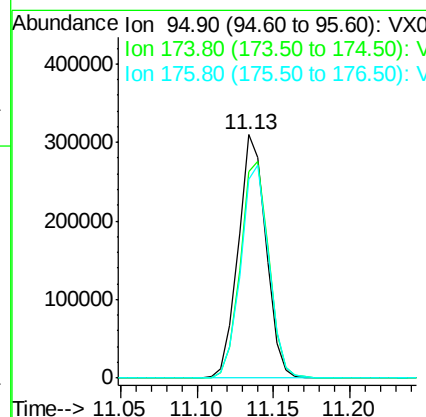
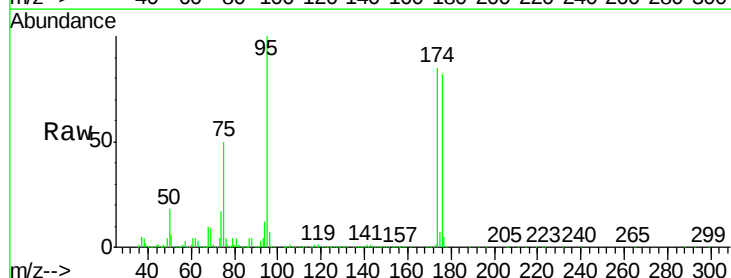
Tgt Ion: 95 Resp: 389185

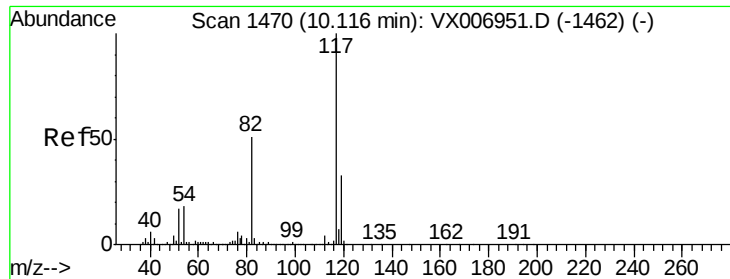
Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.2

176 88.8 0.0 178.8

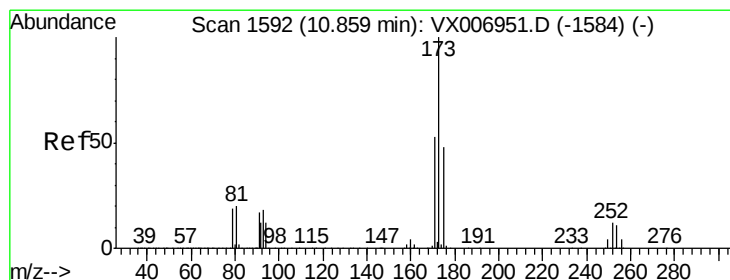
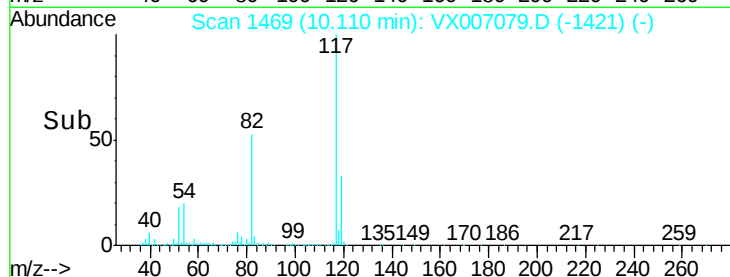
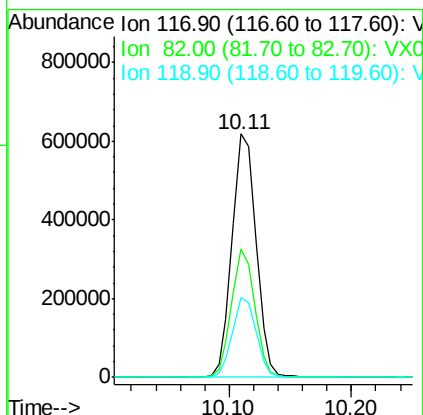
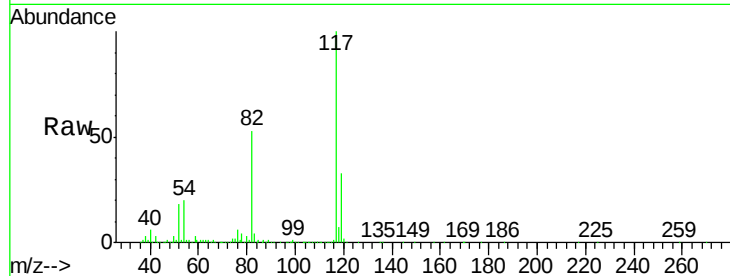




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007079.D
Acq: 17 Jan 2019 10:57

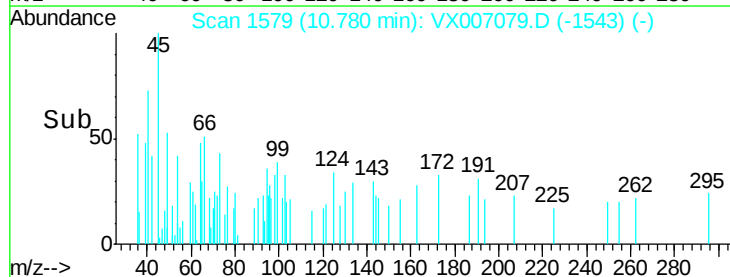
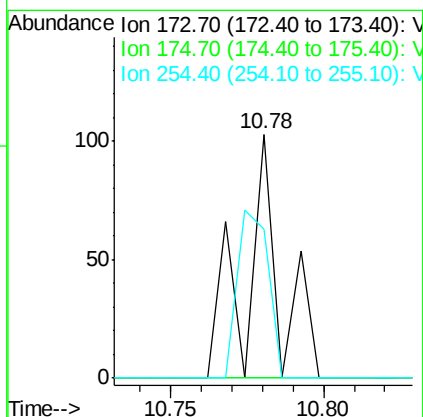
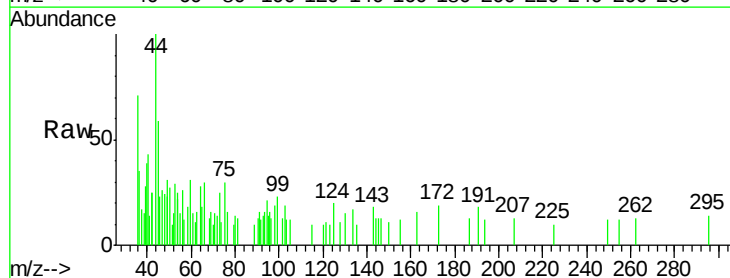
Instrument :
MSVOA_X
ClientSampleId :
VX0117WBL01

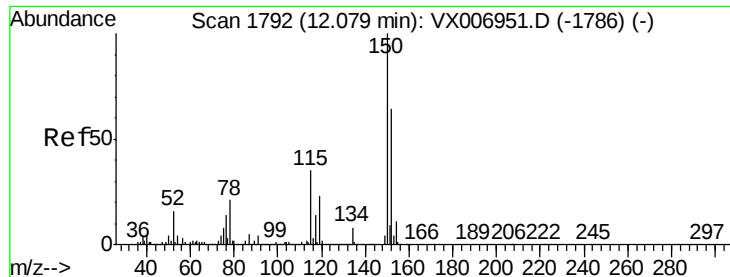
Tot Ion:117 Resp: 844881
Ion Ratio Lower Upper
117 100
82 52.6 41.0 61.6
119 32.5 25.4 38.0



#71
Bromoform
Concen: 4.741 ug/l
RT: 10.78 min Scan# 1579
Delta R.T. -0.08 min
Lab File: VX007079.D
Acq: 17 Jan 2019 10:57

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 59.8 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBL01

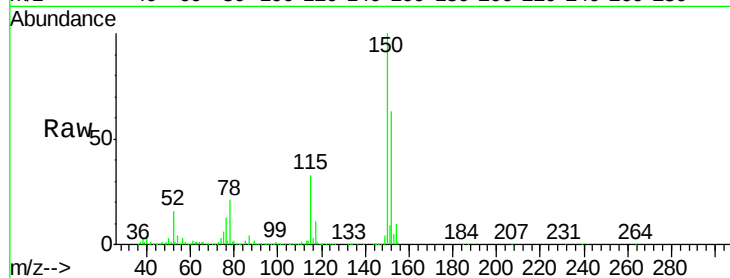
Tot Ion:152 Resp: 411351

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

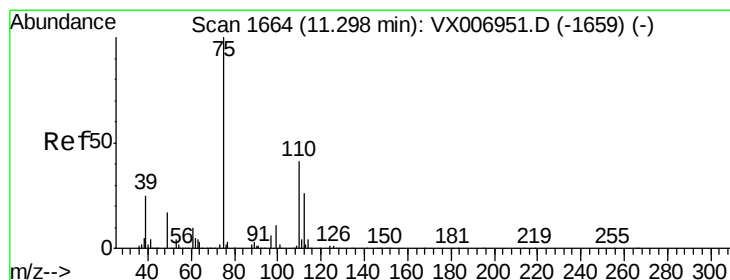
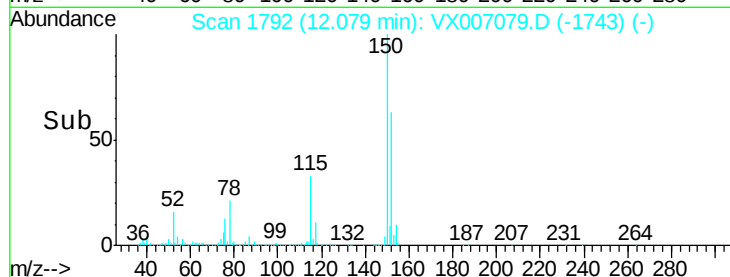
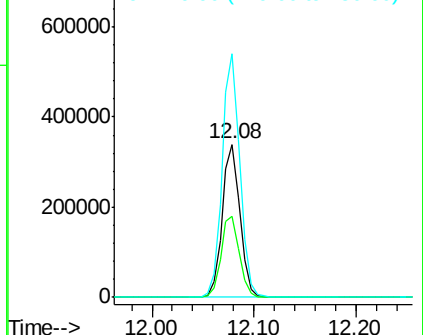
150 158.8 0.0 344.8



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: 22.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007079.D

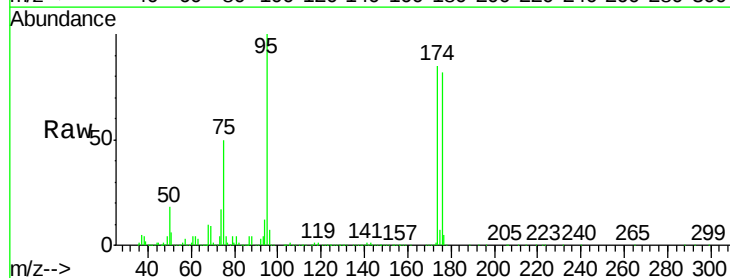
Acq: 17 Jan 2019 10:57

Tgt Ion: 75 Resp: 183974

Ion Ratio Lower Upper

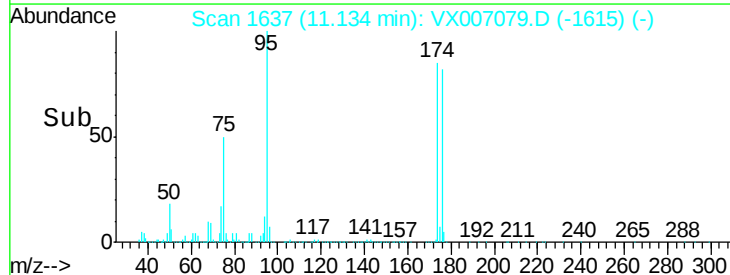
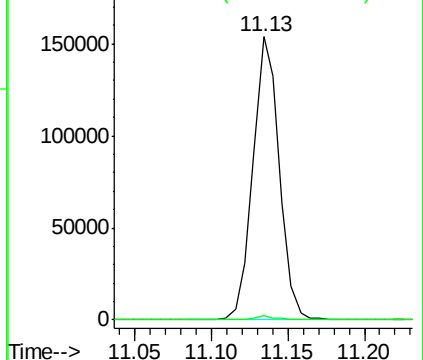
75 100

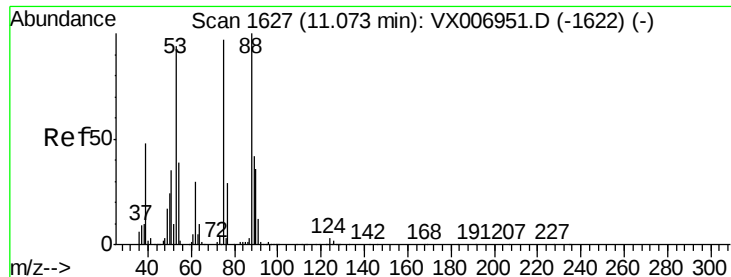
77 1.2 18.5 55.5#



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: 65.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0117WBL01

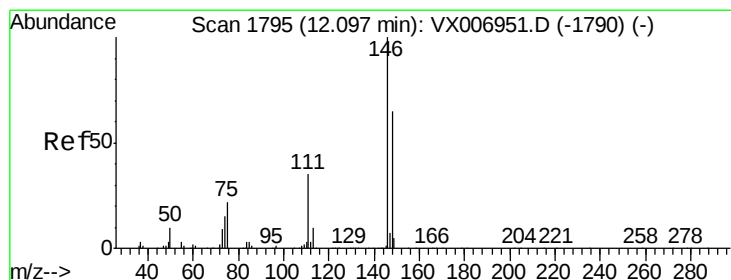
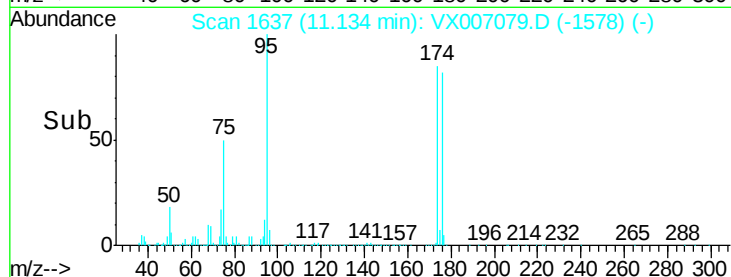
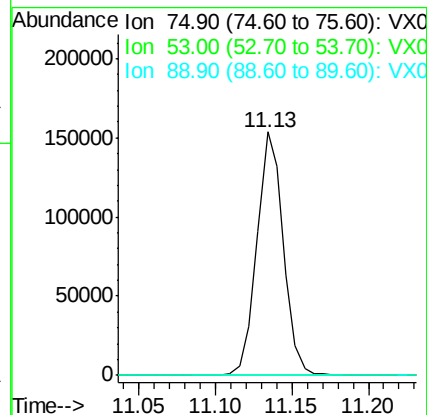
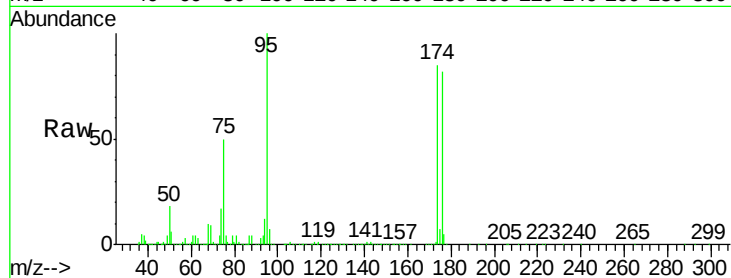
Tot Ion: 75 Resp: 183974

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

89 0.0 38.0 57.0#



#88

1,4-Dichlorobenzene

Concen: 0.262 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

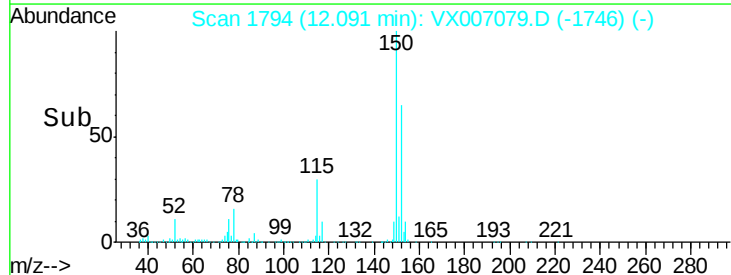
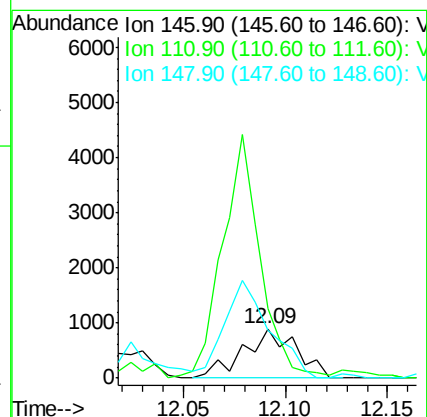
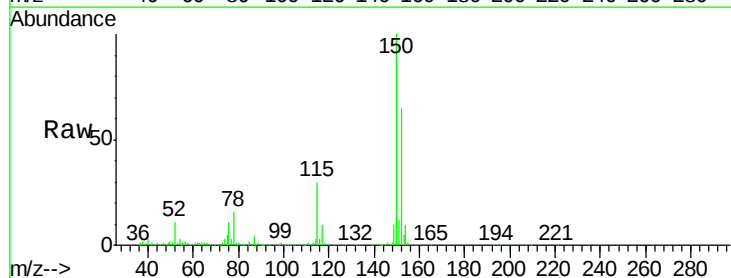
Tgt Ion: 146 Resp: 1606

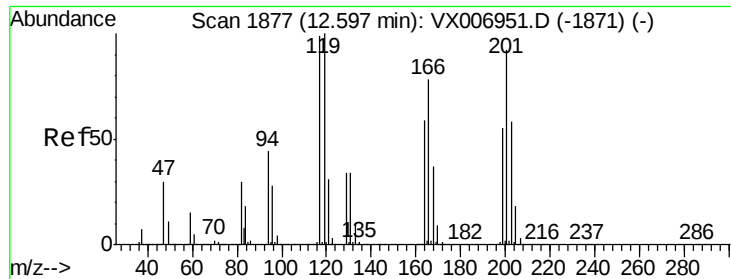
Ion Ratio Lower Upper

146 100

111 352.7 18.1 54.1#

148 170.5 31.9 95.9#





#90

Hexachloroethane

Concen: 2.928 ug/l

RT: 12.65 min Scan# 1886

Delta R.T. 0.06 min

Lab File: VX007079.D

Acq: 17 Jan 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

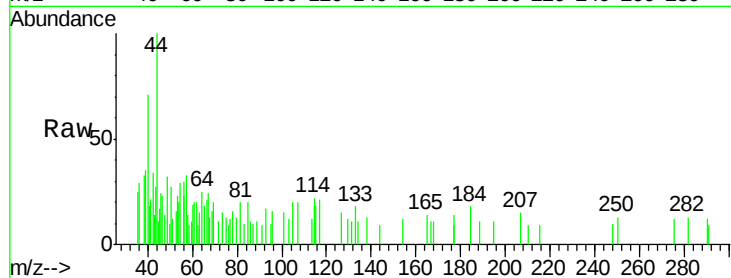
VX0117WBL01

Tot Ion:117 Resp: 85

Ion Ratio Lower Upper

117 100

201 97.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

