

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007416.D
 Acq On : 07 Feb 2019 11:10
 Operator : JC/SP
 Sample : VX0207MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207MBL01

Quant Time: Feb 08 22:05:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	514675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	803294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	764542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	364108	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	279996	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	5.51	113	252050	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	956188	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	339470	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

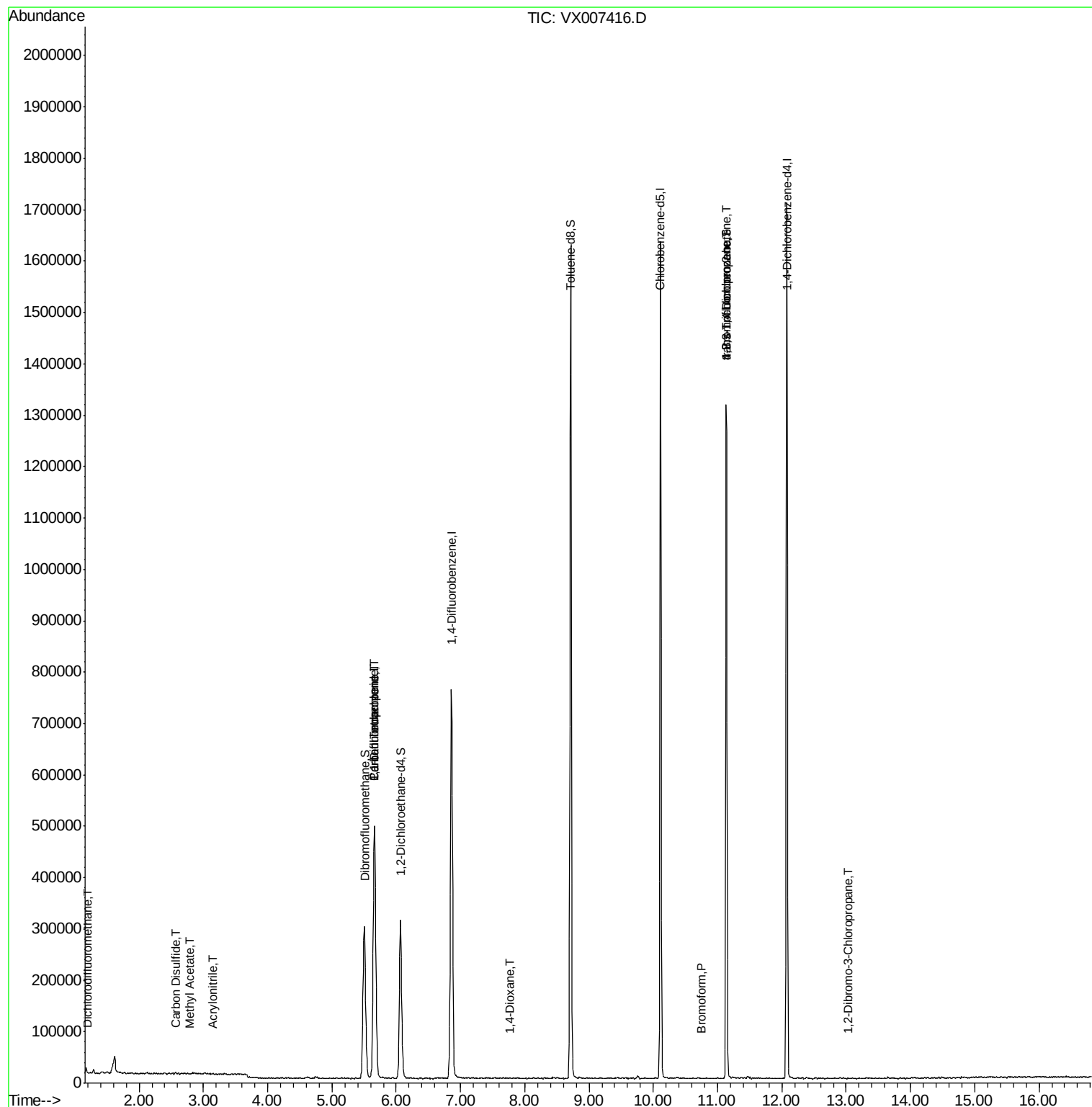
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	183	0.206	ug/l #	1
5) Bromomethane	1.65	94	668	Below Cal	#	66
15) Acrylonitrile	3.15	53	1041	0.372	ug/l #	46
17) Carbon Disulfide	2.57	76	2149	2.281	ug/l #	37
18) Methyl Acetate	2.79	43	1596	0.835	ug/l	99
20) Methylene Chloride	2.85	84	1218	Below Cal	#	77
36) 1,1-Dichloropropene	5.66	75	33314	4.622	ug/l #	49
38) Carbon Tetrachloride	5.66	117	46466	6.645	ug/l #	18
49) 1,4-Dioxane	7.76	88	196	8.400	ug/l #	1
71) Bromoform	10.75	173	141	4.056	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	165955	23.432	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	165955	70.530	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.04	75	407	0.260	ug/l #	1

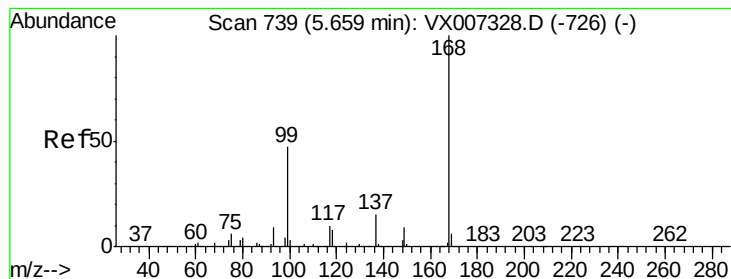
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

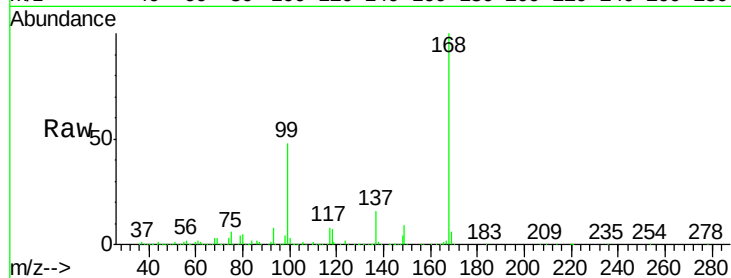
VX0207MBL01

Tot Ion:168 Resp: 514675

Ion Ratio Lower Upper

168 100

99 47.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

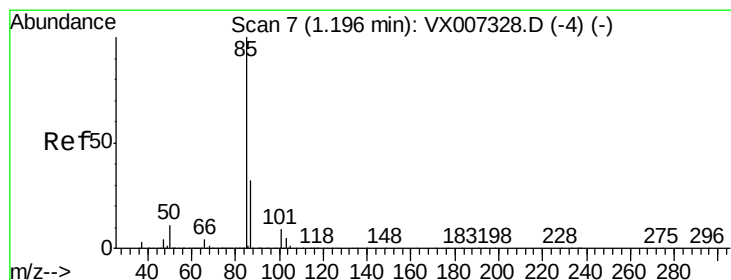
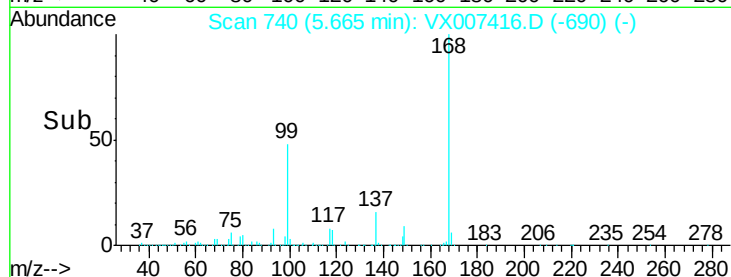
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.206 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007416.D

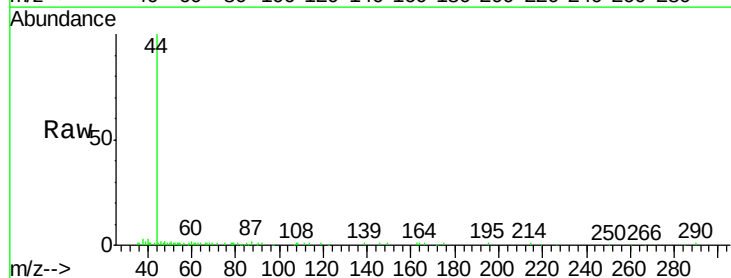
Acq: 07 Feb 2019 11:10

Tgt Ion: 85 Resp: 183

Ion Ratio Lower Upper

85 100

87 157.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

150

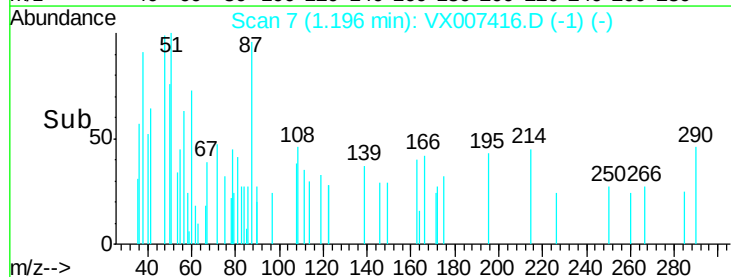
100

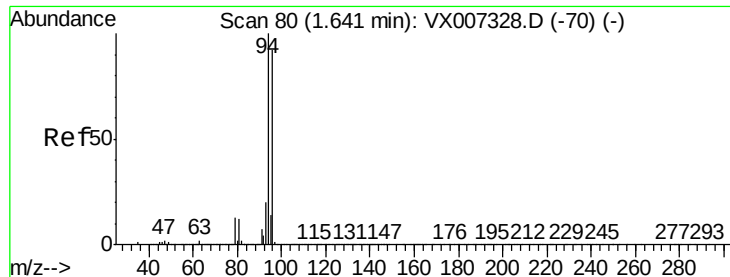
50

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampled :

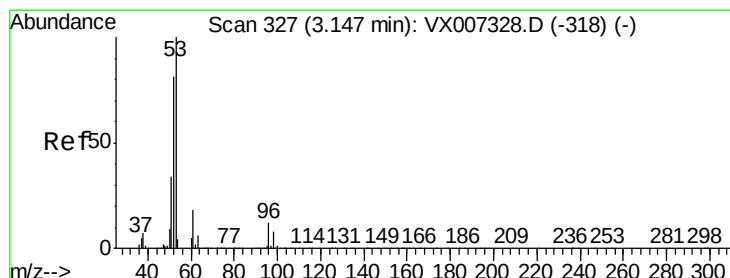
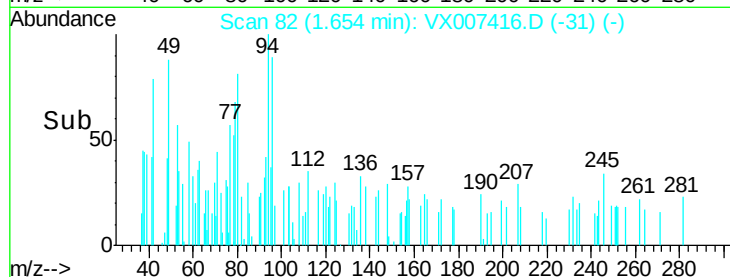
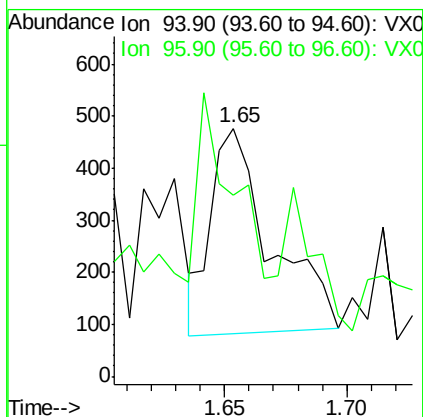
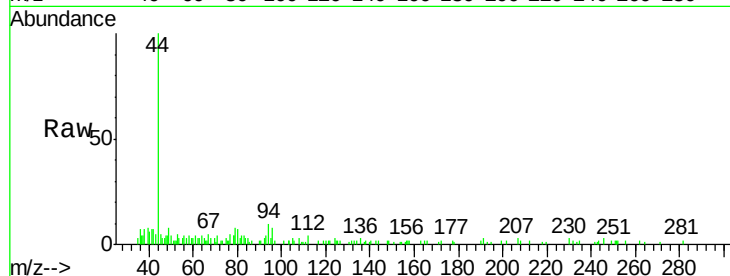
VX0207MBL01

Tot Ion: 94 Resp: 668

Ion Ratio Lower Upper

94 100

96 60.1 73.9 110.9#



#15

Acrylonitrile

Concen: 0.372 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

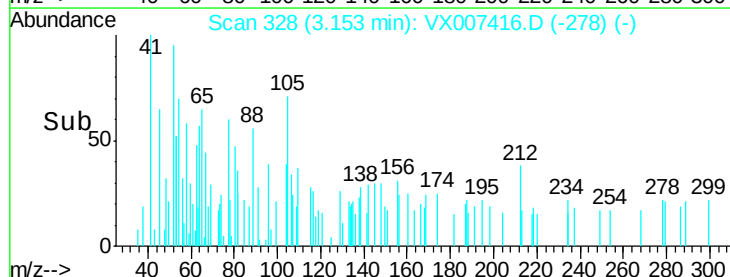
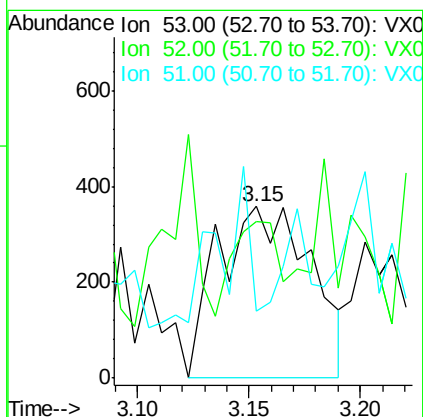
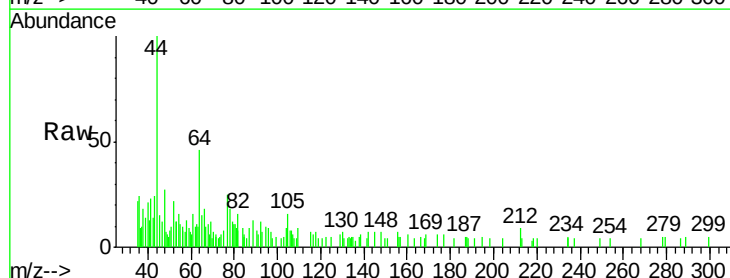
Tgt Ion: 53 Resp: 1041

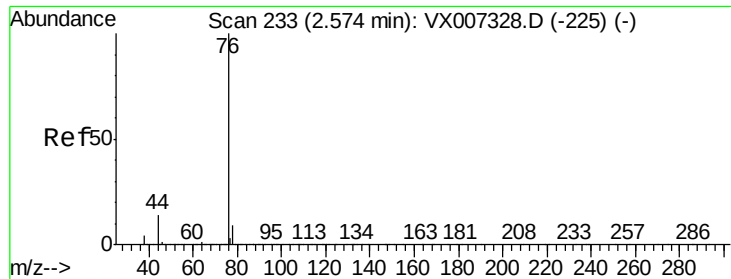
Ion Ratio Lower Upper

53 100

52 37.2 66.4 99.6#

51 0.0 28.4 42.6#





#17

Carbon Disulfide

Concen: 2.281 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampled :

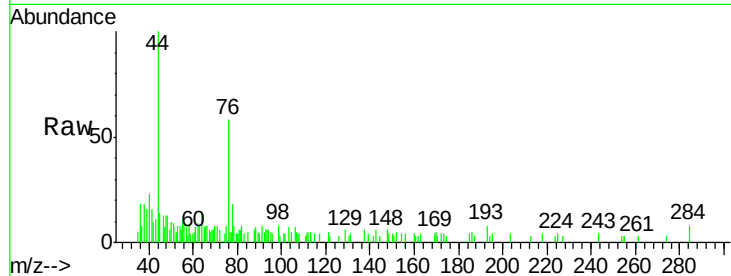
VX0207MBL01

Tot Ion: 76 Resp: 2149

Ion Ratio Lower Upper

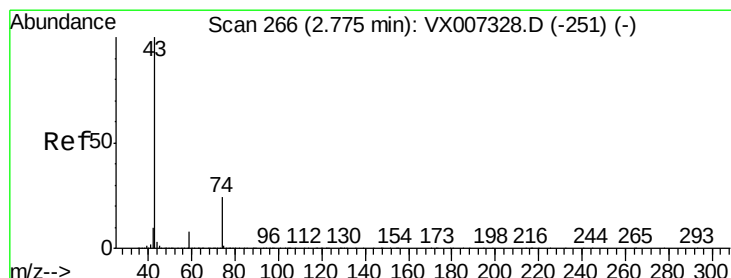
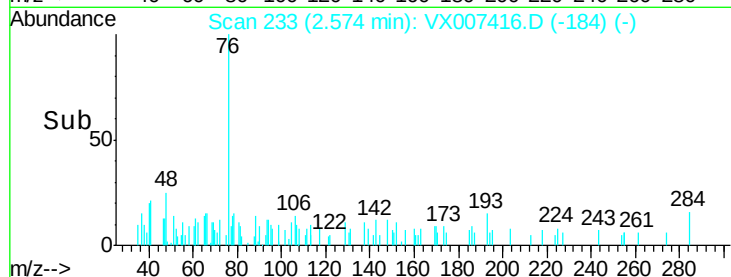
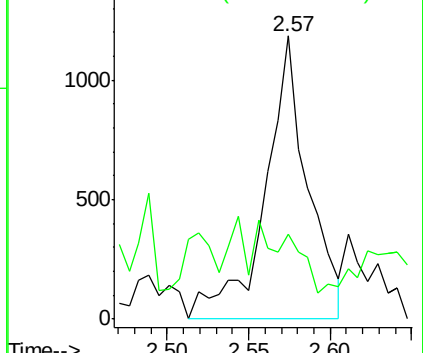
76 100

78 31.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.835 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007416.D

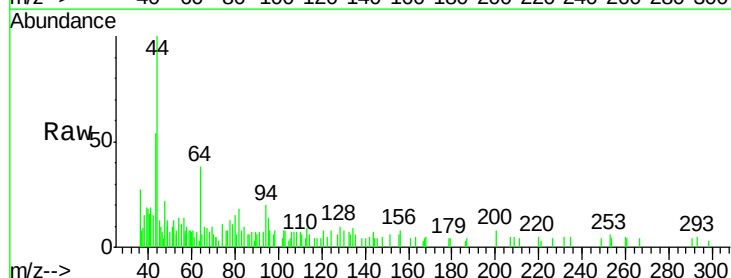
Acq: 07 Feb 2019 11:10

Tgt Ion: 43 Resp: 1596

Ion Ratio Lower Upper

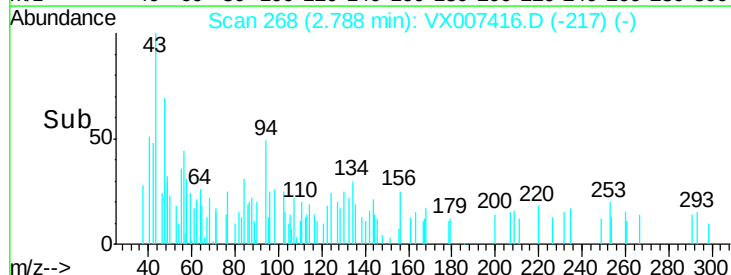
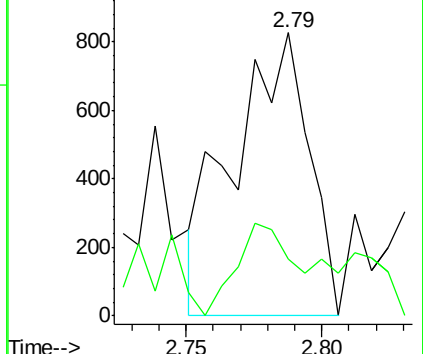
43 100

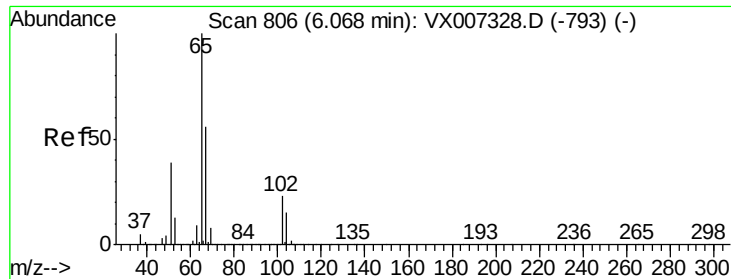
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.254 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

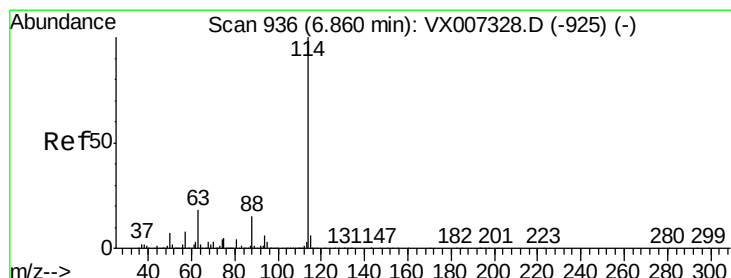
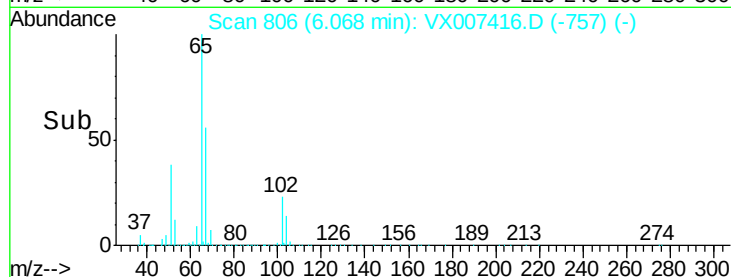
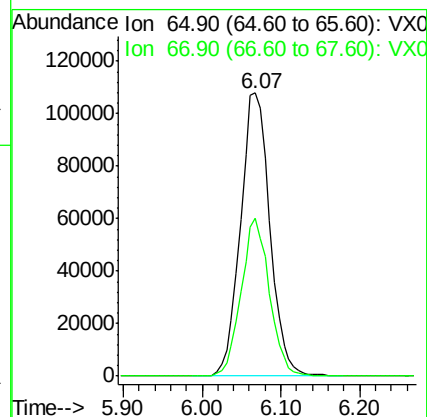
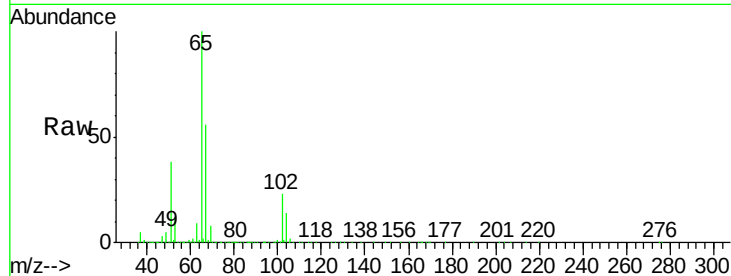
VX0207MBL01

Tot Ion: 65 Resp: 279996

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

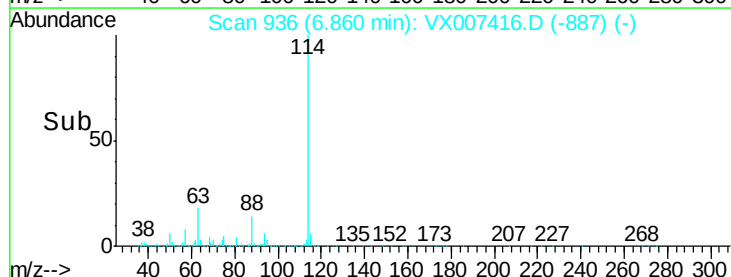
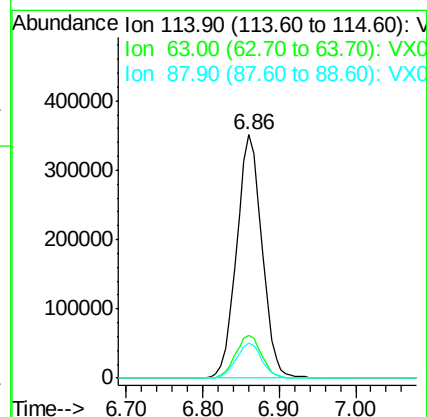
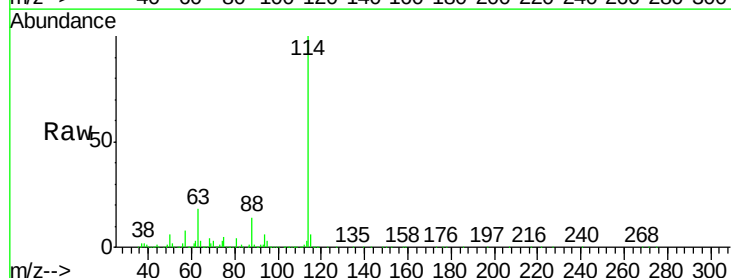
Tgt Ion: 114 Resp: 803294

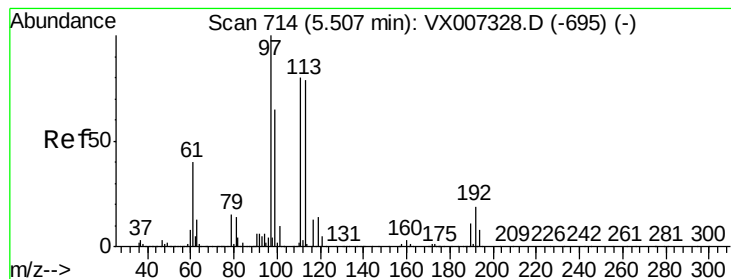
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.223 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0207MBL01

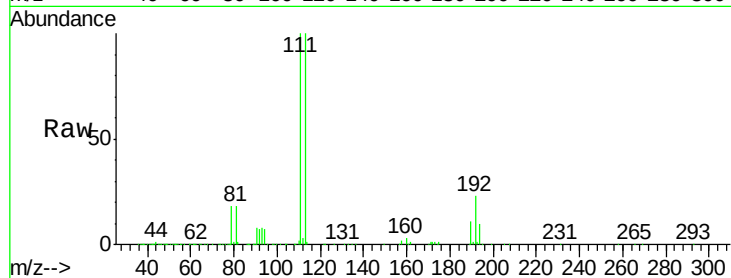
Tot Ion:113 Resp: 252050

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

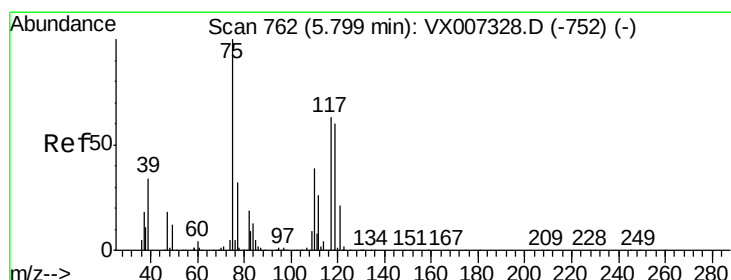
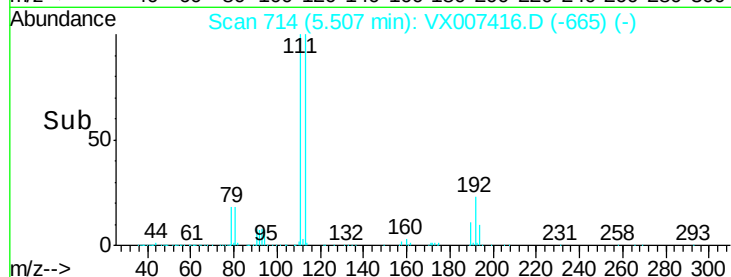
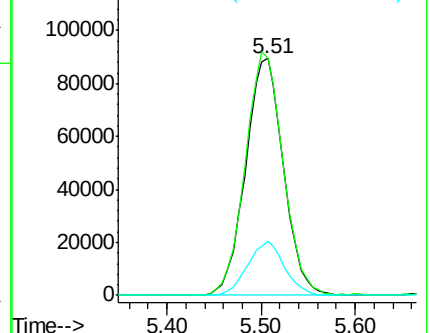
192 22.4 18.5 27.7



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: 4.622 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

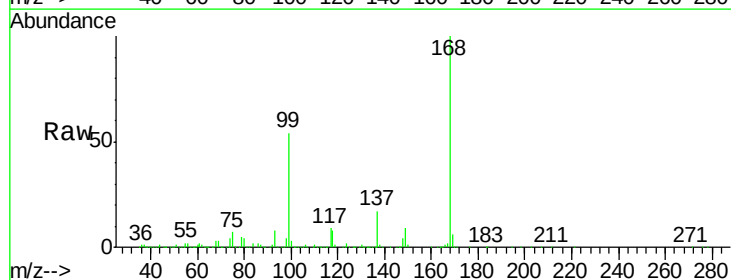
Tgt Ion: 75 Resp: 33314

Ion Ratio Lower Upper

75 100

110 10.5 20.0 59.9#

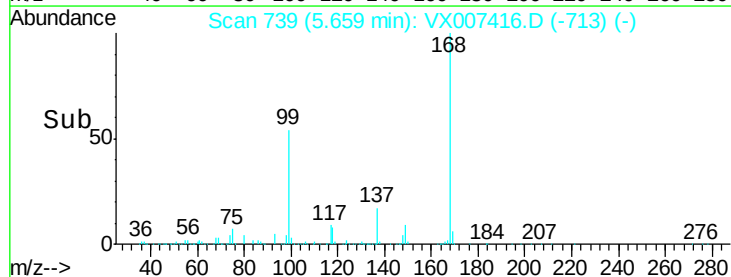
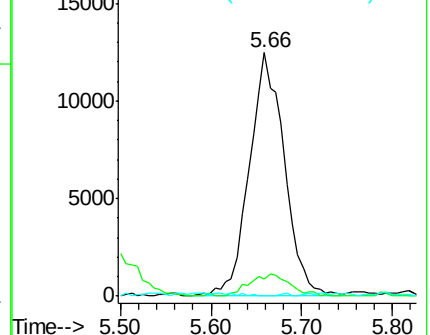
77 0.0 24.7 37.1#

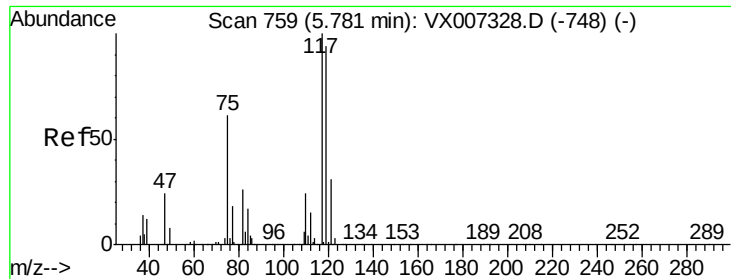


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0207MBL01

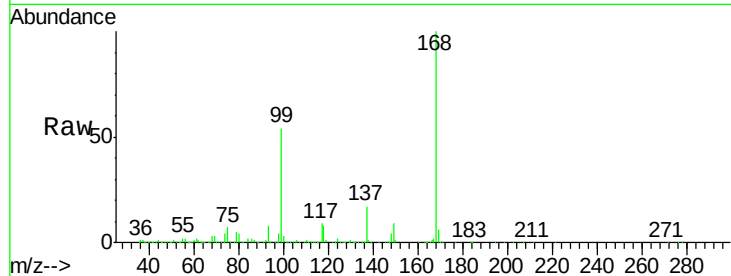
Tot Ion:117 Resp: 46466

Ion Ratio Lower Upper

117 100

119 6.9 75.3 112.9#

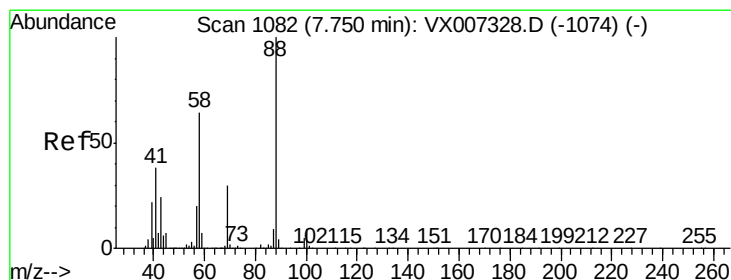
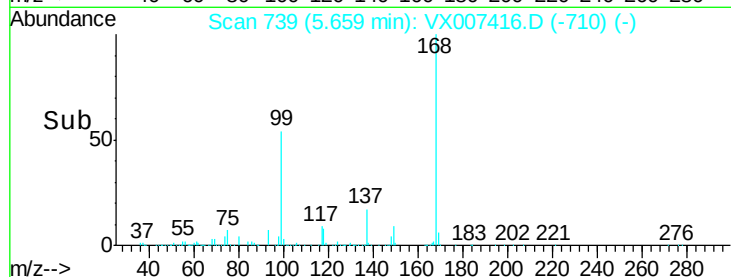
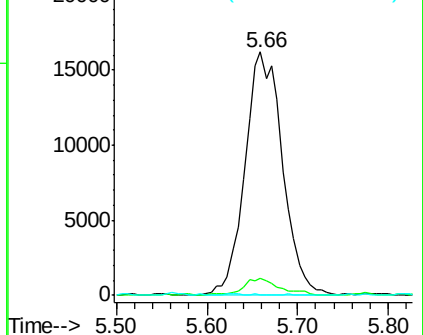
121 0.0 25.0 37.4#



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: 8.400 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

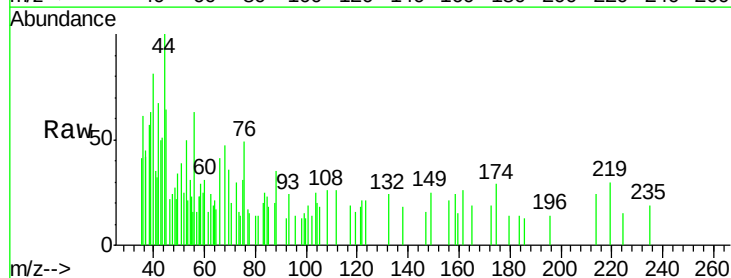
Tgt Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 166.3 24.2 36.4#

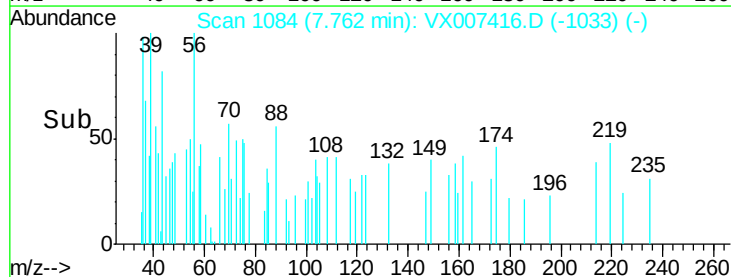
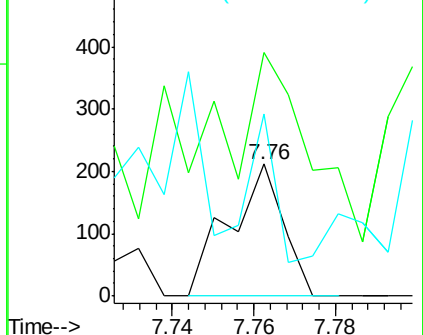
58 0.0 53.0 79.4#

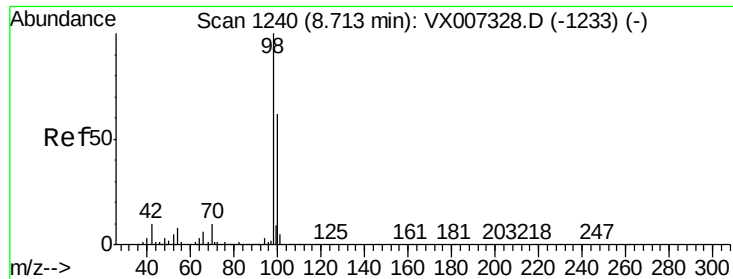


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.308 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

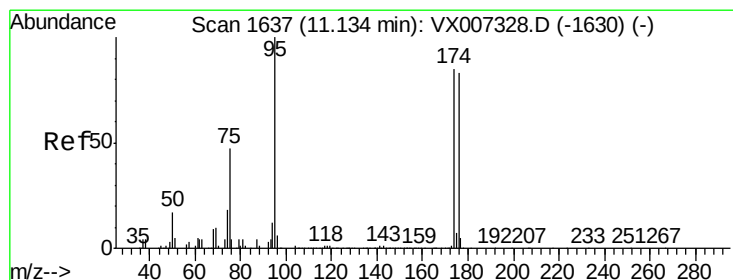
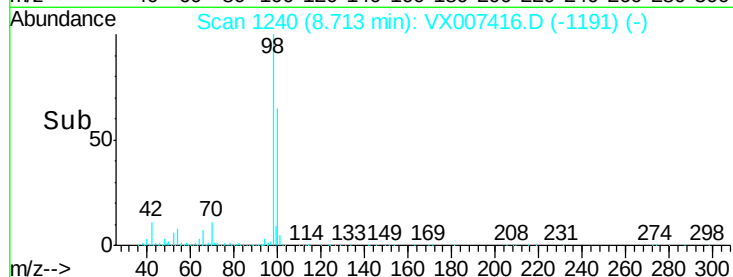
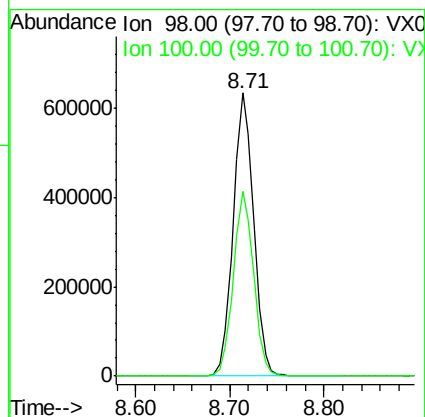
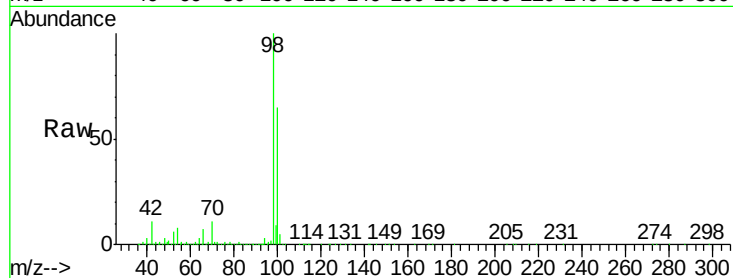
VX0207MBL01

Tot Ion: 98 Resp: 956188

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.947 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

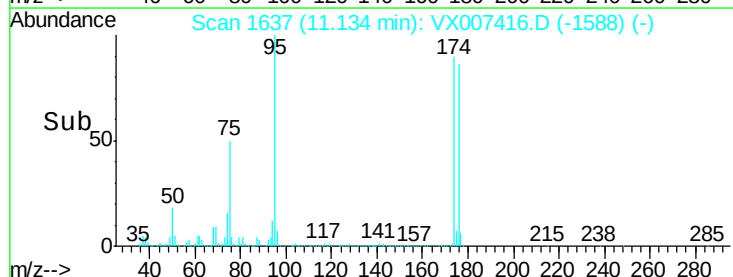
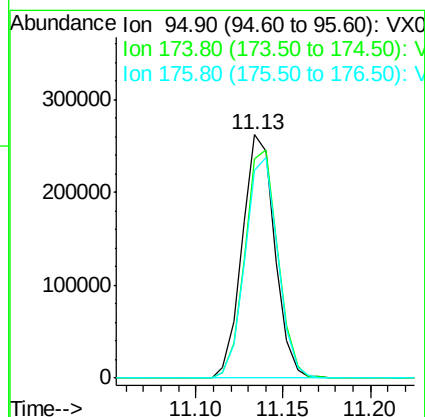
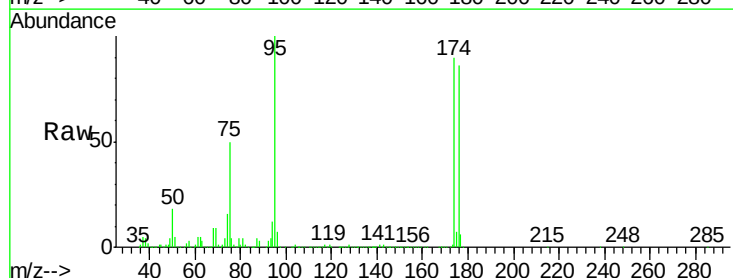
Tgt Ion: 95 Resp: 339470

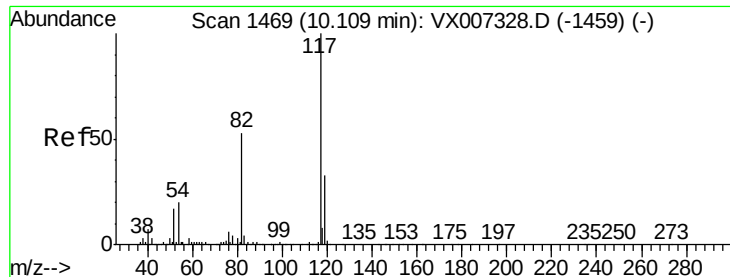
Ion Ratio Lower Upper

95 100

174 94.8 0.0 189.2

176 91.4 0.0 186.2

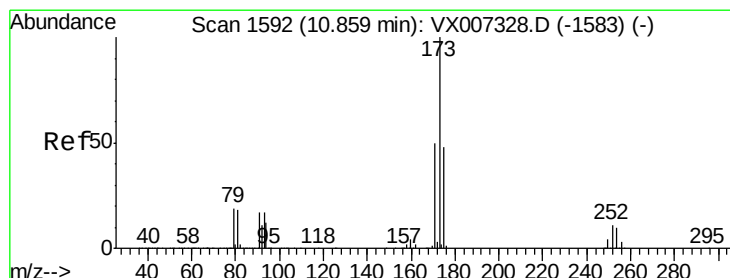
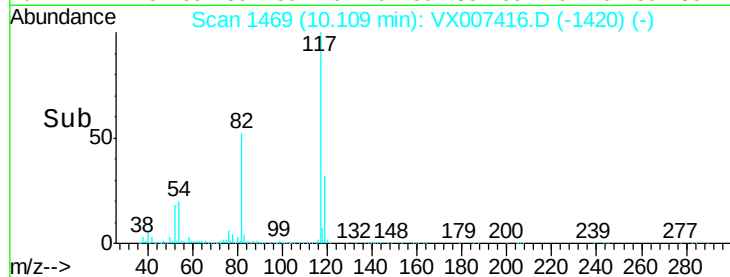
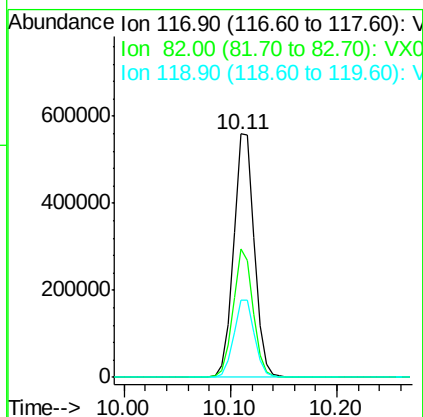
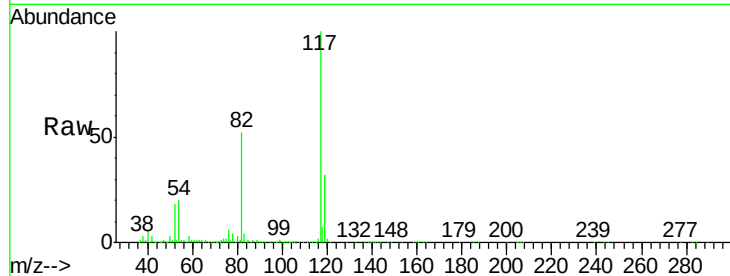




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007416.D
Acq: 07 Feb 2019 11:10

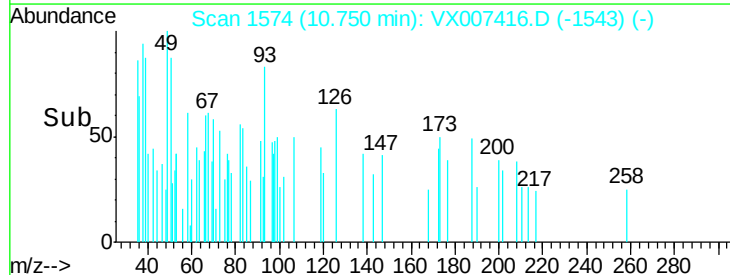
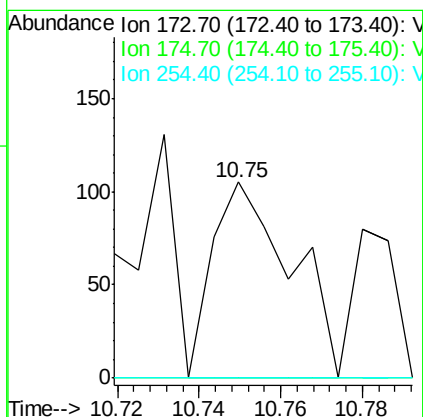
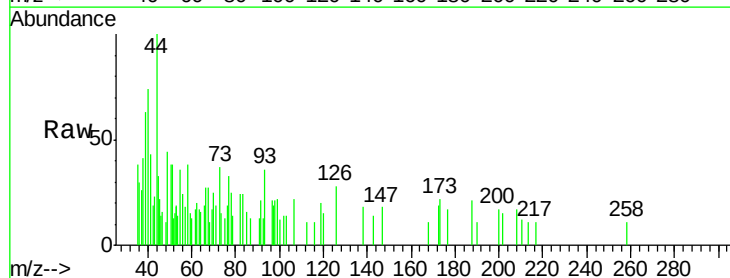
Instrument :
MSVOA_X
ClientSampleId :
VX0207MBL01

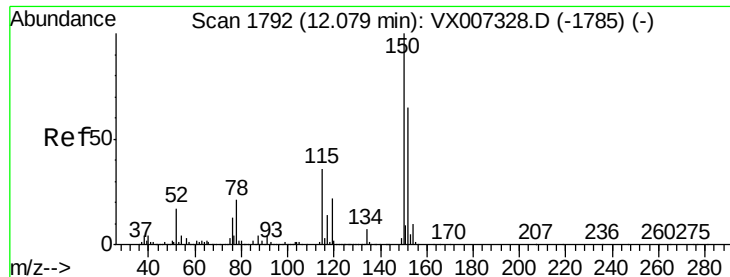
Tot Ion:117 Resp: 764542
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 31.9 26.5 39.7



#71
Bromoform
Concen: 4.056 ug/l
RT: 10.75 min Scan# 1574
Delta R.T. -0.11 min
Lab File: VX007416.D
Acq: 07 Feb 2019 11:10

Tgt Ion:173 Resp: 141
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 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: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0207MBL01

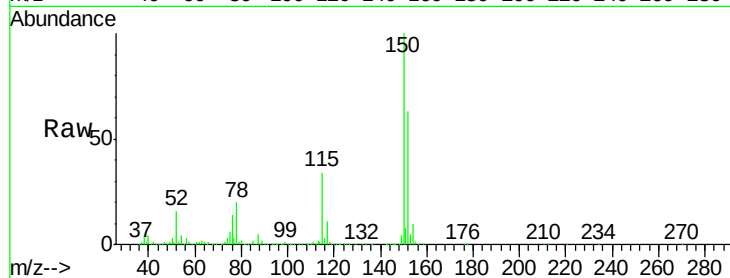
Tot Ion:152 Resp: 364108

Ion Ratio Lower Upper

152 100

115 55.0 38.0 114.0

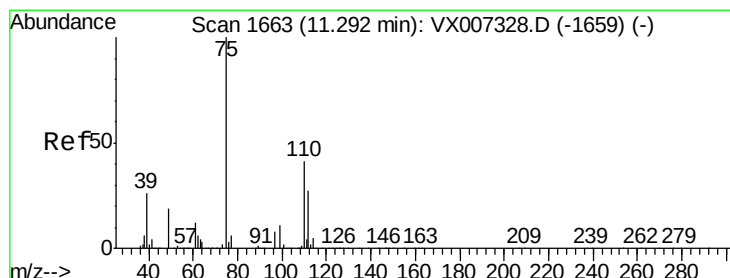
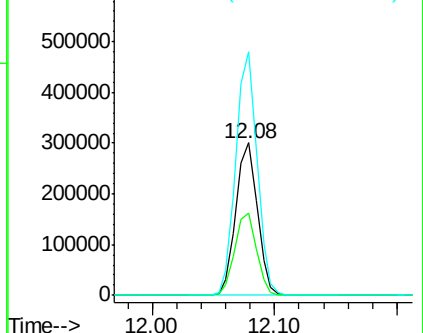
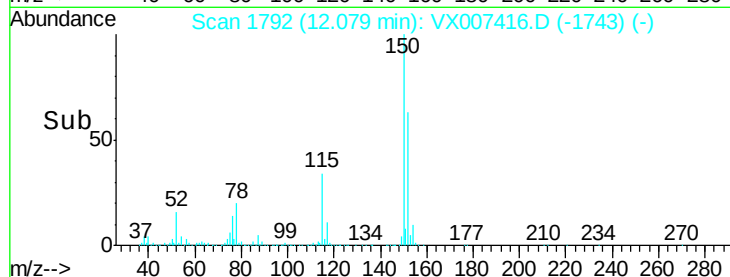
150 158.4 0.0 346.4



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: 23.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007416.D

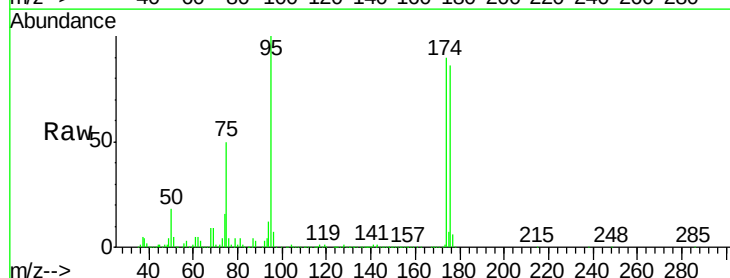
Acq: 07 Feb 2019 11:10

Tgt Ion: 75 Resp: 165955

Ion Ratio Lower Upper

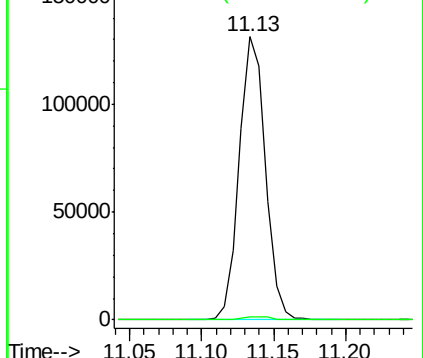
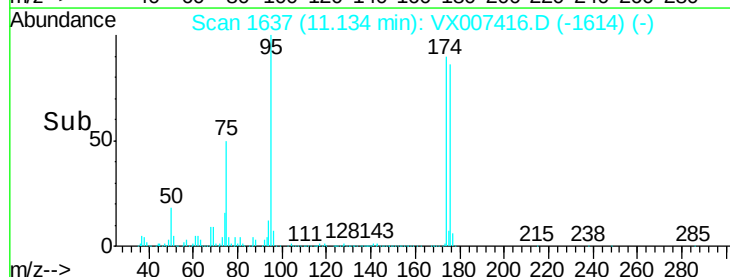
75 100

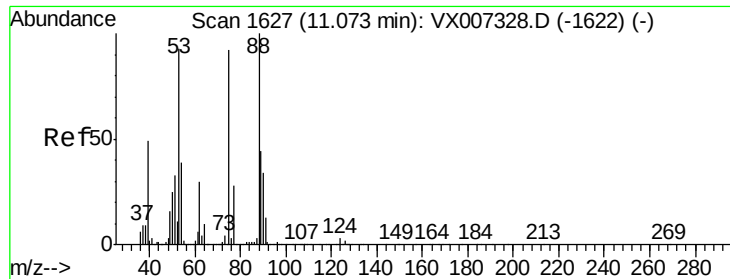
77 1.5 23.0 69.0#



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: 70.530 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0207MBL01

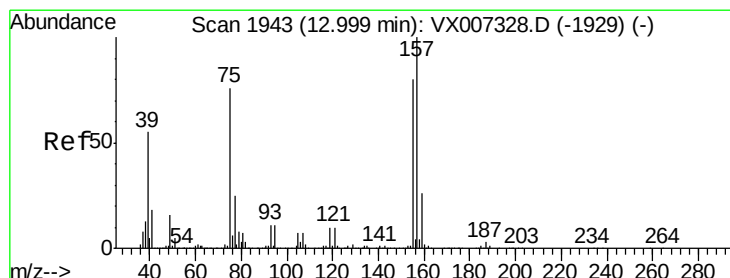
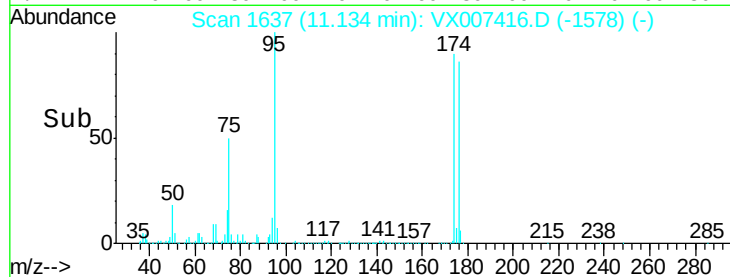
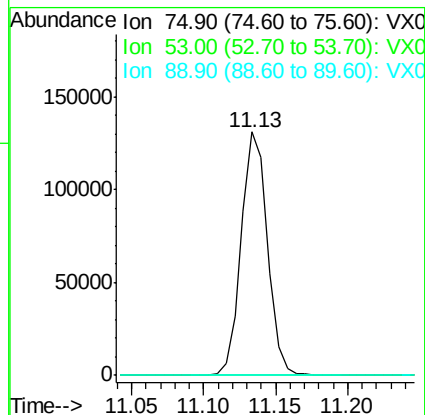
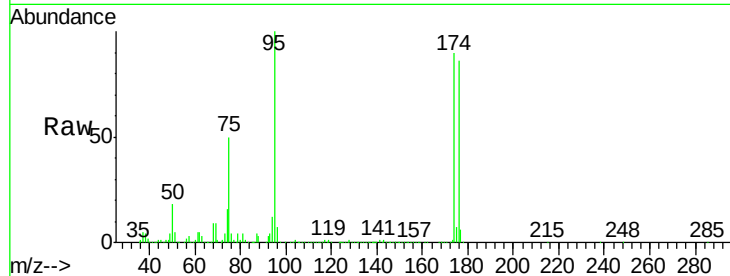
Tot Ion: 75 Resp: 165955

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.260 ug/l

RT: 13.04 min Scan# 1950

Delta R.T. 0.04 min

Lab File: VX007416.D

Acq: 07 Feb 2019 11:10

Tgt Ion: 75 Resp: 407

Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

157 13.3 65.1 195.3#

