

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007403.D
 Acq On : 06 Feb 2019 16:51
 Operator : JC/SP
 Sample : K1392-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Feb 07 00:03:24 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	543623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	844200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	798115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	389323	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	295216	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.51	113	264636	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	1024143	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	358982	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

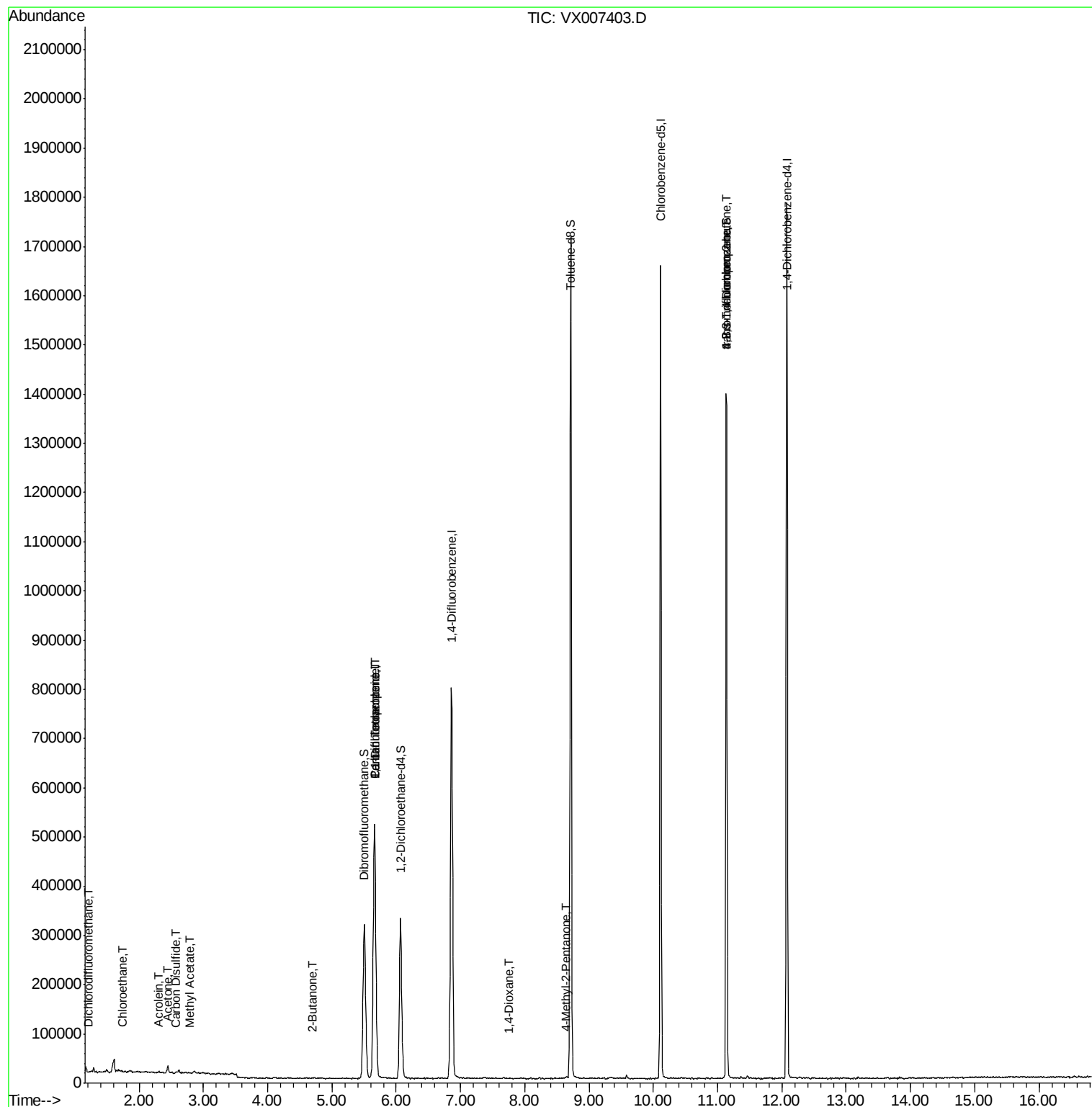
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	271	0.218	ug/l #	43
5) Bromomethane	1.65	94	559	Below Cal	#	48
6) Chloroethane	1.75	64	2592	0.667	ug/l #	49
13) Acrolein	2.29	56	1269	2.266	ug/l #	66
16) Acetone	2.45	43	14591	5.520	ug/l	94
17) Carbon Disulfide	2.57	76	1759	2.245	ug/l #	81
18) Methyl Acetate	2.78	43	1751	0.844	ug/l #	63
25) 2-Butanone	4.70	43	886	0.236	ug/l #	66
36) 1,1-Dichloropropene	5.67	75	34196	4.515	ug/l #	50
38) Carbon Tetrachloride	5.66	117	49104	6.682	ug/l #	15
49) 1,4-Dioxane	7.76	88	84	7.499	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	2991	0.384	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	174306	23.017	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	174306	69.356	ug/l #	8

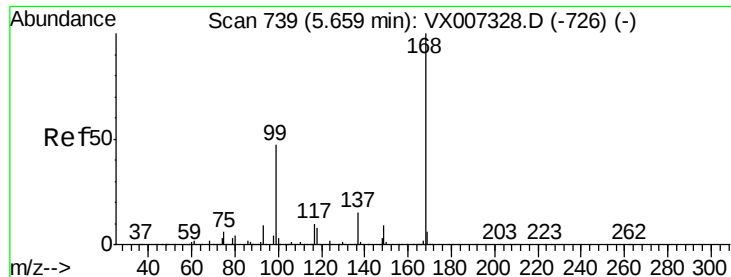
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

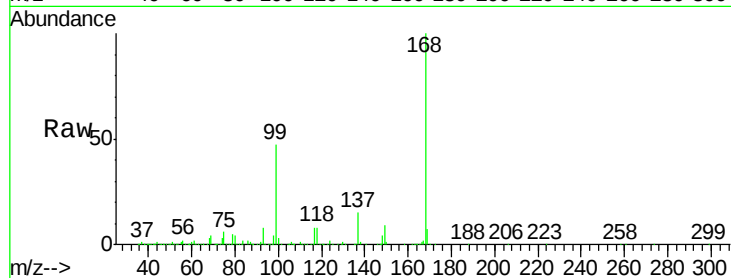
MW-9

Tot Ion:168 Resp: 543623

Ion Ratio Lower Upper

168 100

99 47.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

5.67

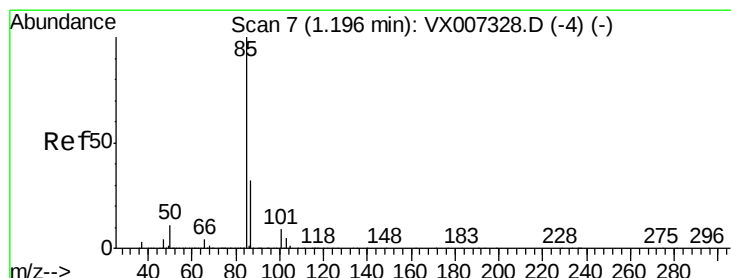
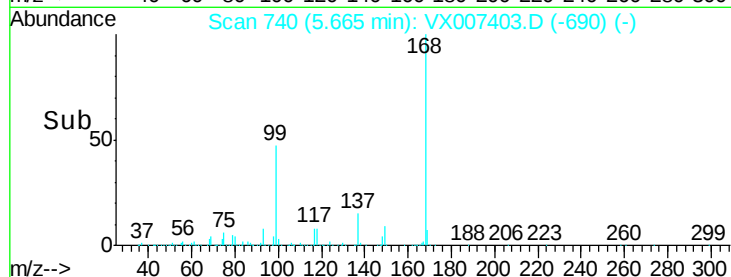
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.218 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.02 min

Lab File: VX007403.D

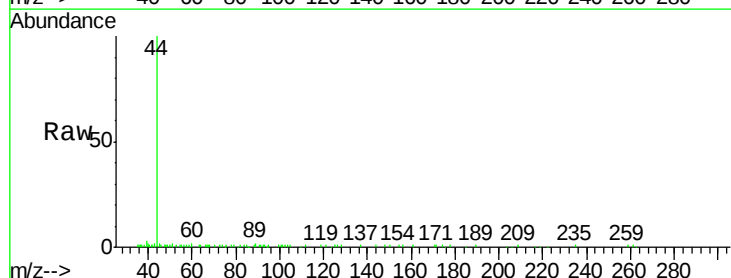
Acq: 06 Feb 2019 16:51

Tgt Ion: 85 Resp: 271

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

150

100

50

0

1.21

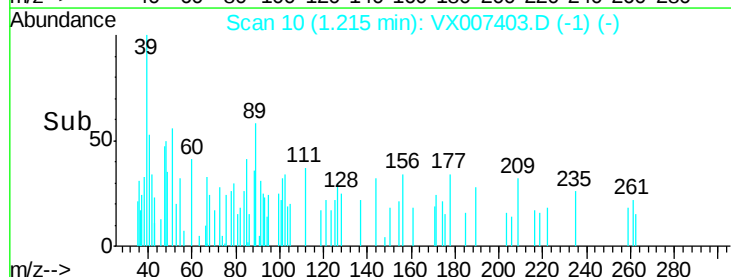
1.18

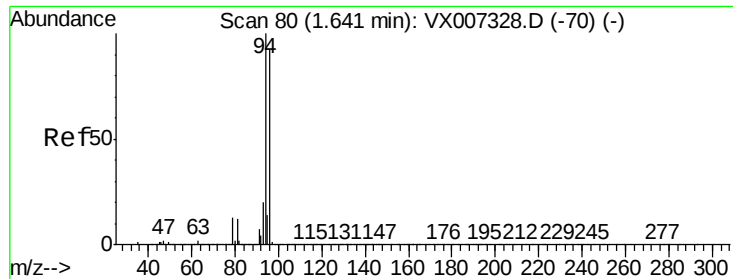
1.20

1.22

1.24

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

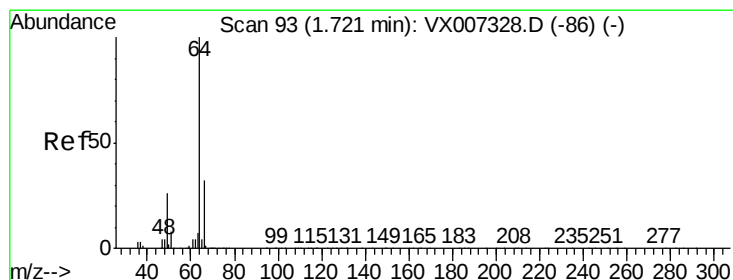
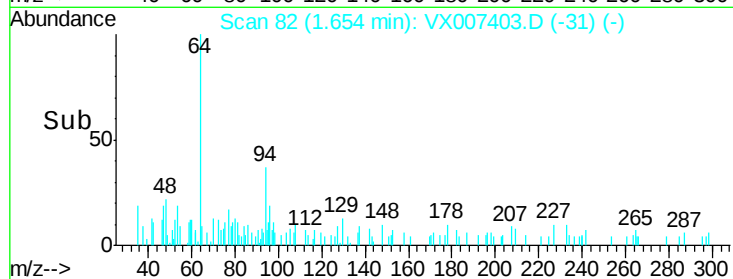
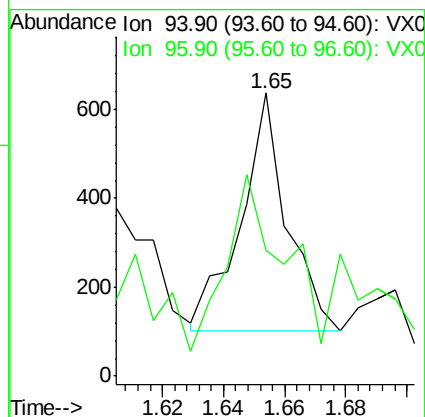
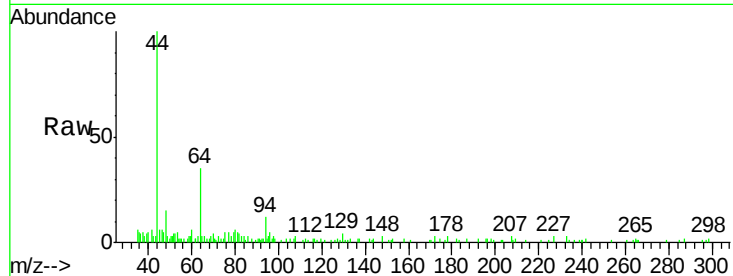
MW-9

Tot Ion: 94 Resp: 559

Ion Ratio Lower Upper

94 100

96 42.5 73.9 110.9#



#6

Chloroethane

Concen: 0.667 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX007403.D

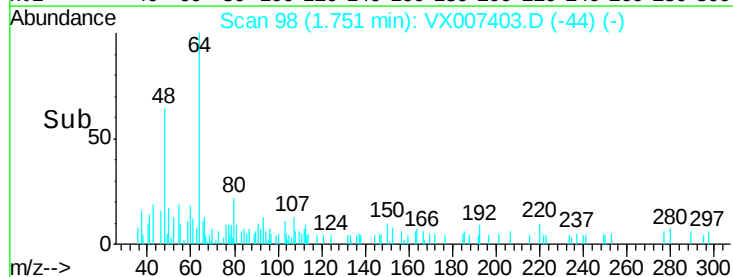
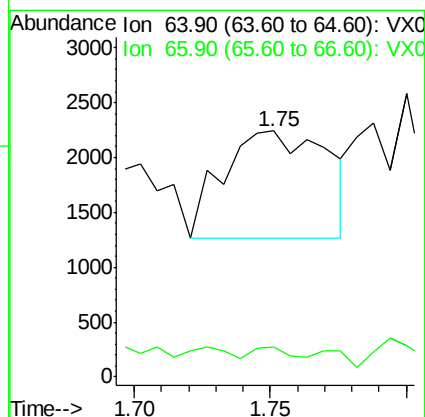
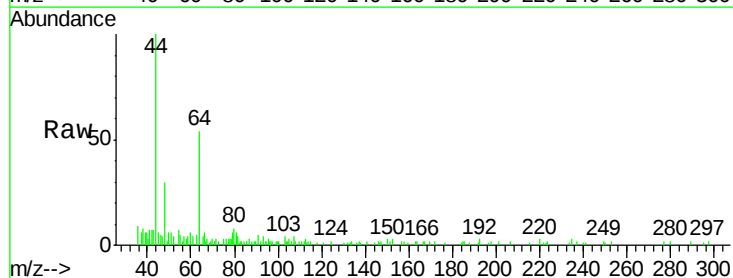
Acq: 06 Feb 2019 16:51

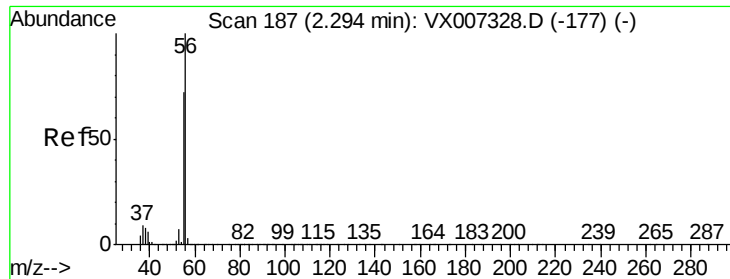
Tgt Ion: 64 Resp: 2592

Ion Ratio Lower Upper

64 100

66 3.5 25.5 38.3#





#13

Acrolein

Concen: 2.266 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

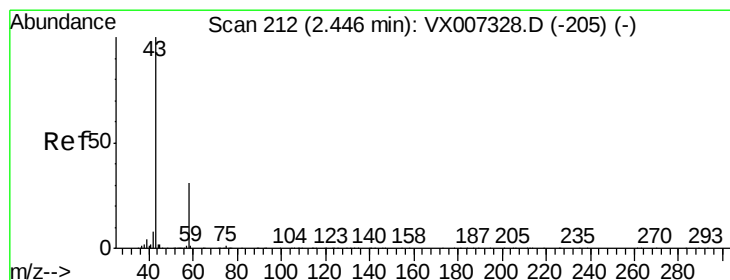
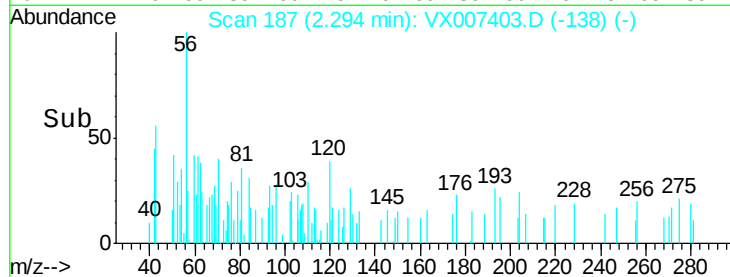
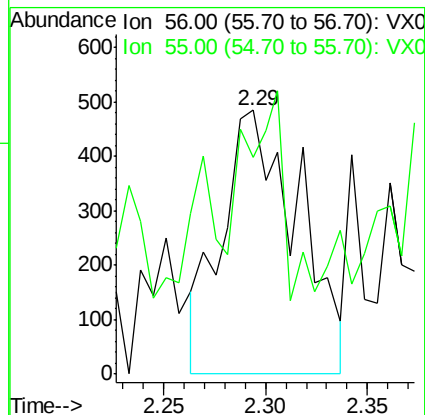
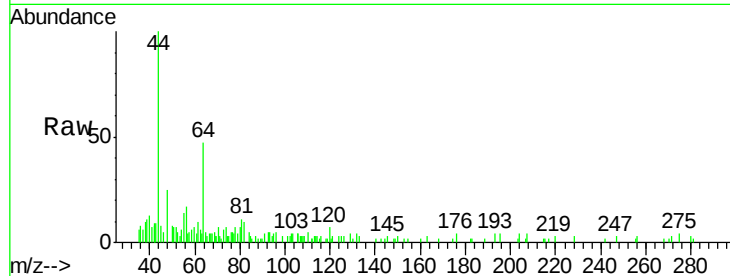
MW-9

Tot Ion: 56 Resp: 1269

Ion Ratio Lower Upper

56 100

55 42.6 56.9 85.3#



#16

Acetone

Concen: 5.520 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007403.D

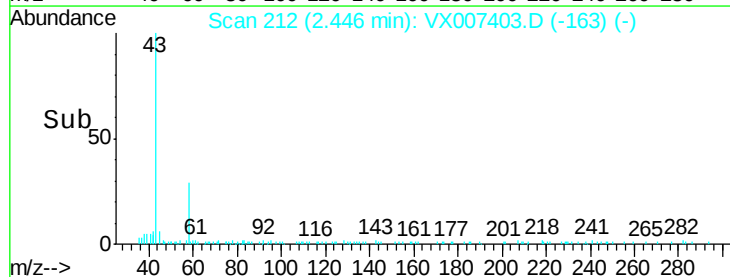
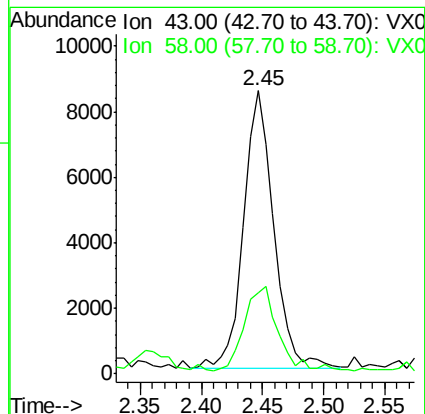
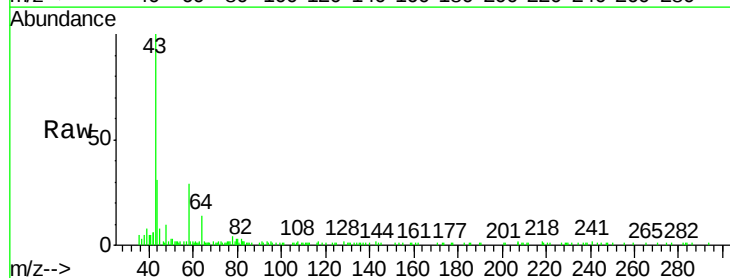
Acq: 06 Feb 2019 16:51

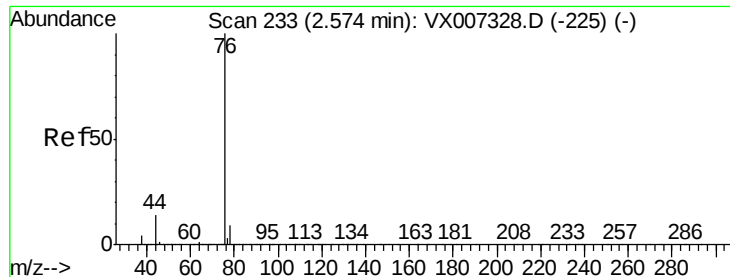
Tgt Ion: 43 Resp: 14591

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3





#17

Carbon Disulfide

Concen: 2.245 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

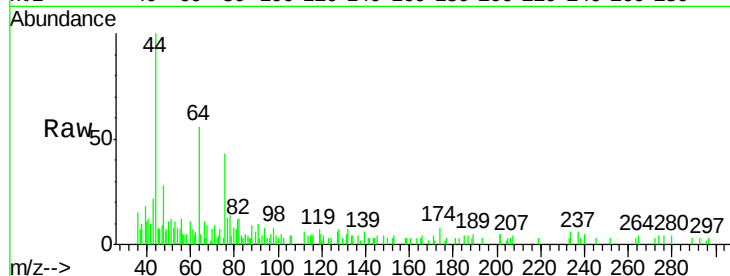
MW-9

Tot Ion: 76 Resp: 1759

Ion Ratio Lower Upper

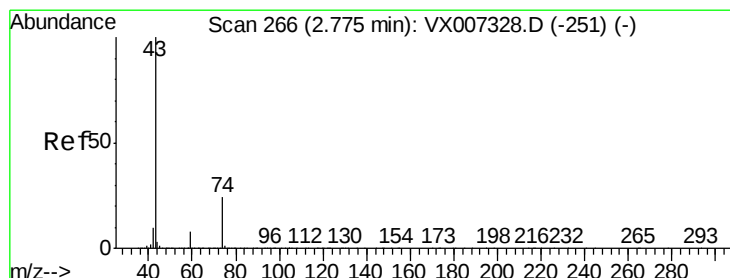
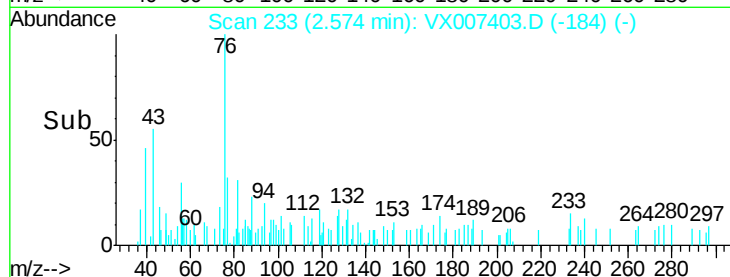
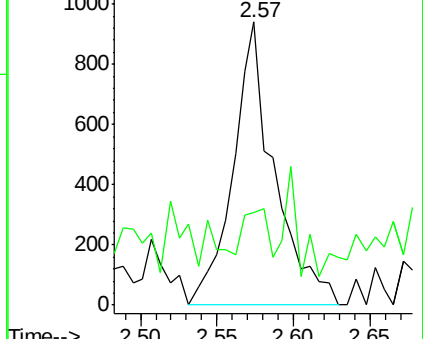
76 100

78 15.7 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: 0.844 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007403.D

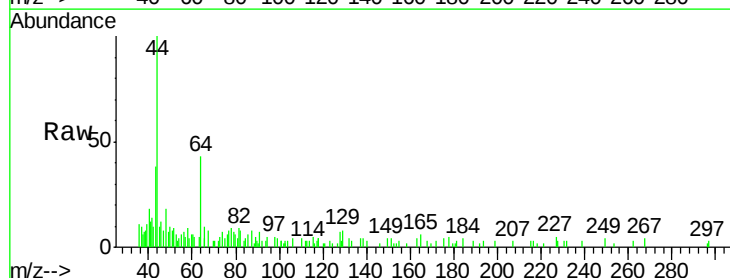
Acq: 06 Feb 2019 16:51

Tgt Ion: 43 Resp: 1751

Ion Ratio Lower Upper

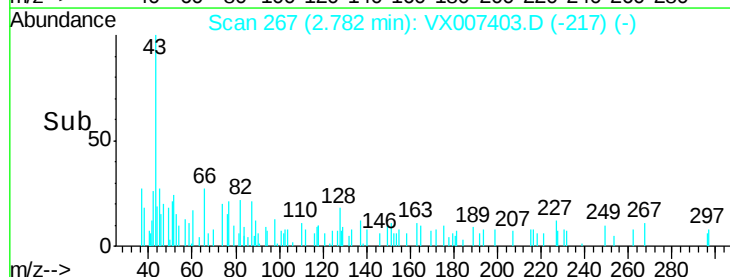
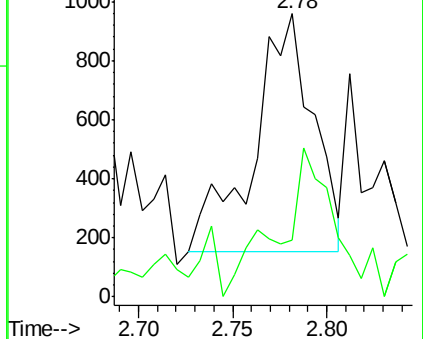
43 100

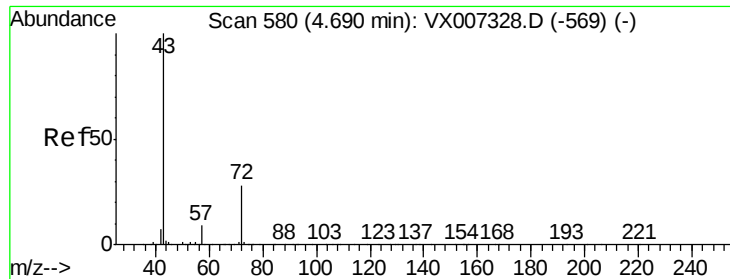
74 42.5 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

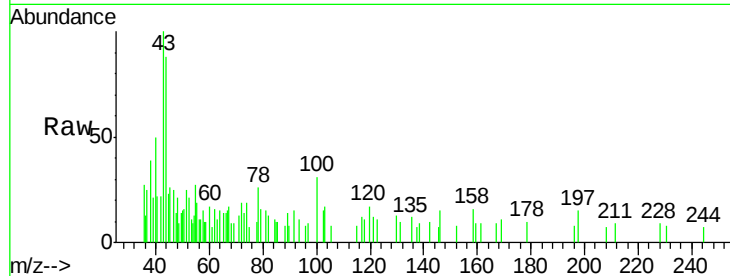
MW-9

Tot Ion: 43 Resp: 886

Ion Ratio Lower Upper

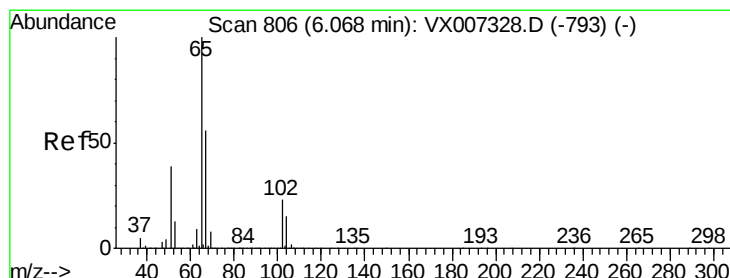
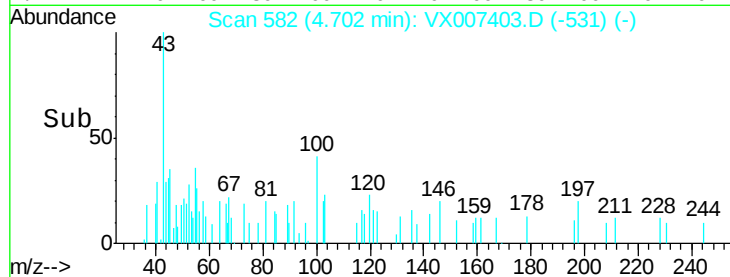
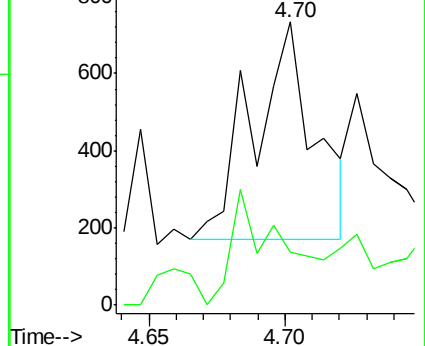
43 100

72 9.9 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.163 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007403.D

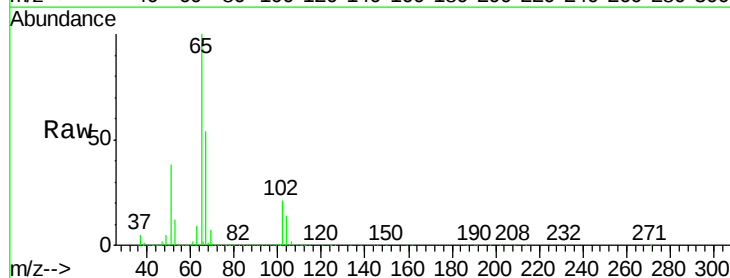
Acq: 06 Feb 2019 16:51

Tgt Ion: 65 Resp: 295216

Ion Ratio Lower Upper

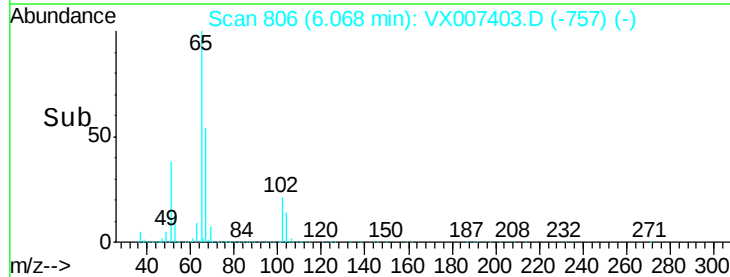
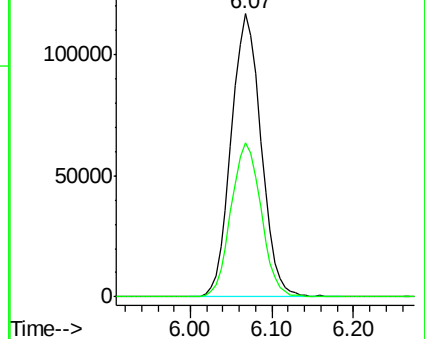
65 100

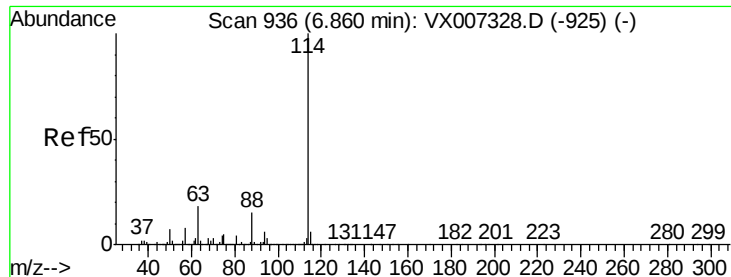
67 55.0 0.0 108.8



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: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

MW-9

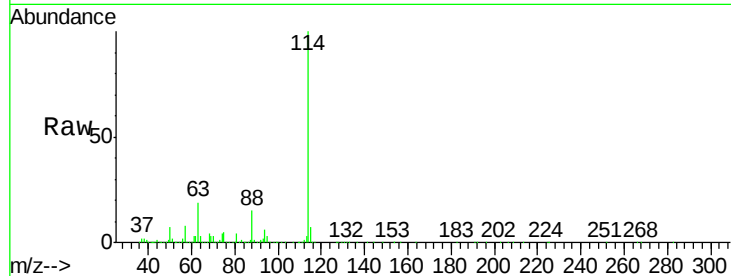
Tot Ion:114 Resp: 844200

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

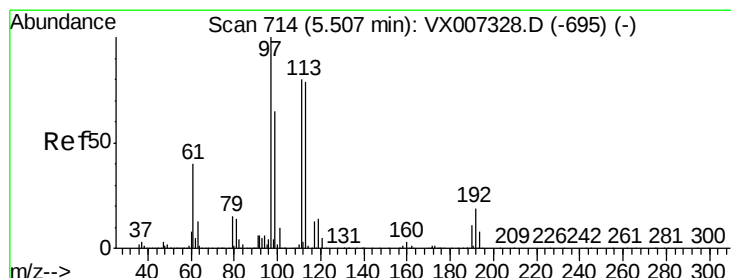
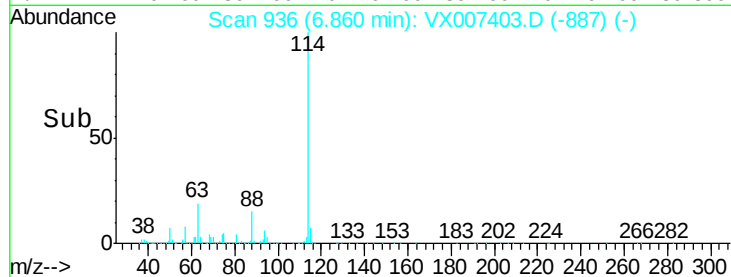
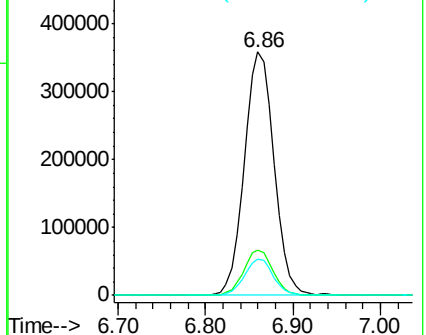
88 14.9 0.0 29.6



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: 48.178 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

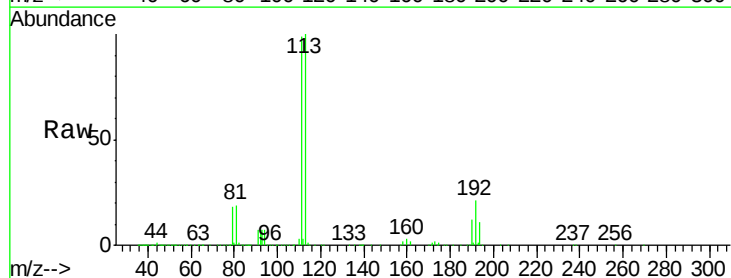
Tgt Ion:113 Resp: 264636

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

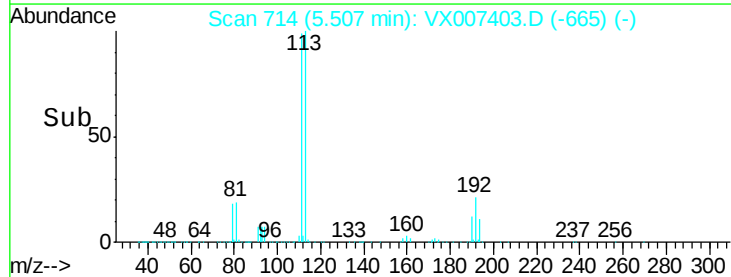
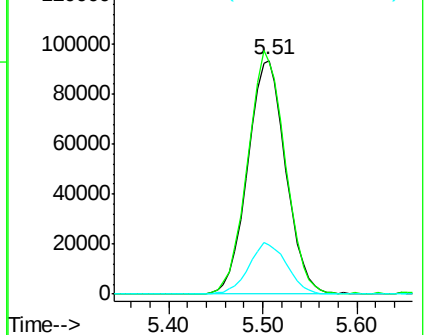
192 22.0 18.5 27.7

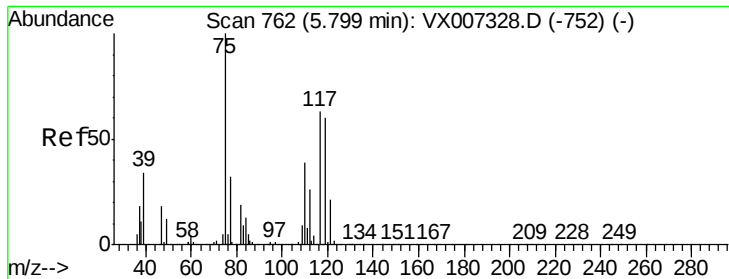


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

MW-9

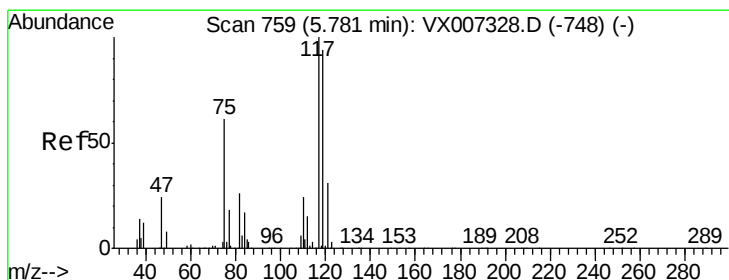
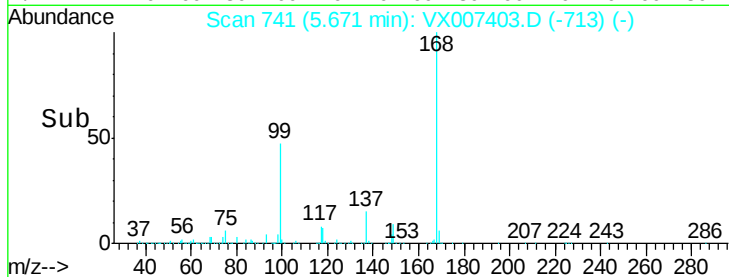
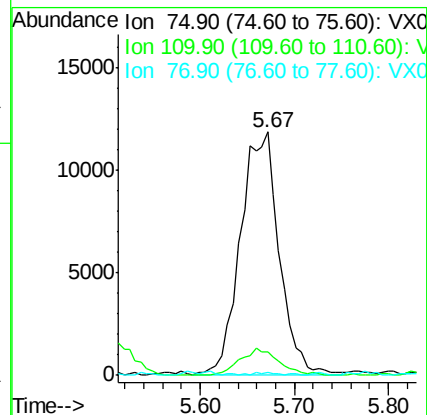
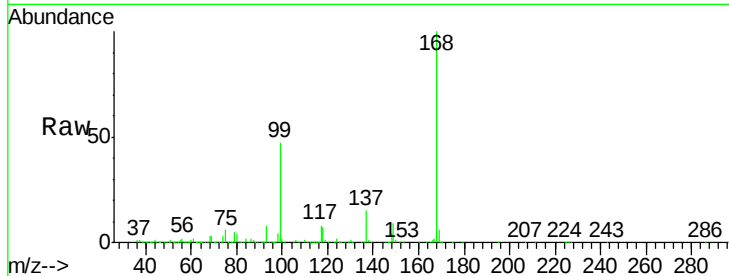
Tot Ion: 75 Resp: 34196

Ion Ratio Lower Upper

75 100

110 11.1 20.0 59.9#

77 0.6 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.682 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

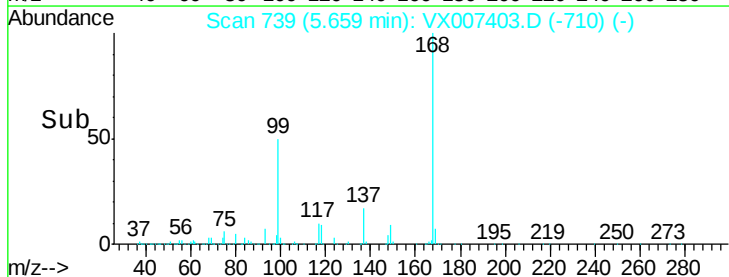
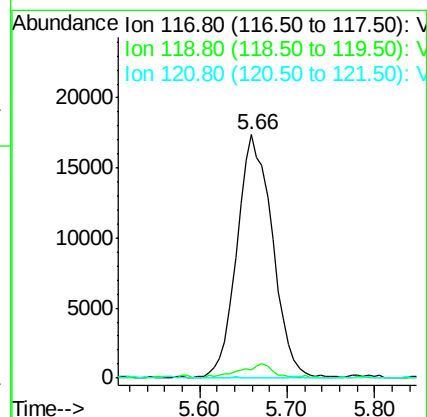
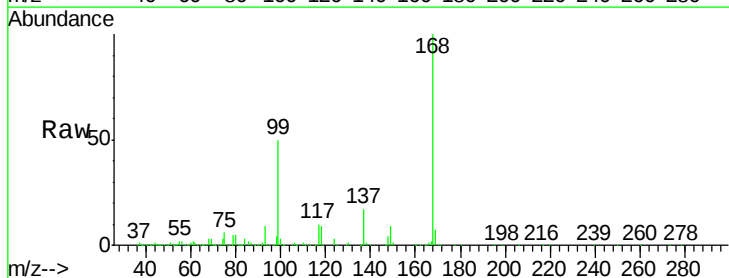
Tgt Ion: 117 Resp: 49104

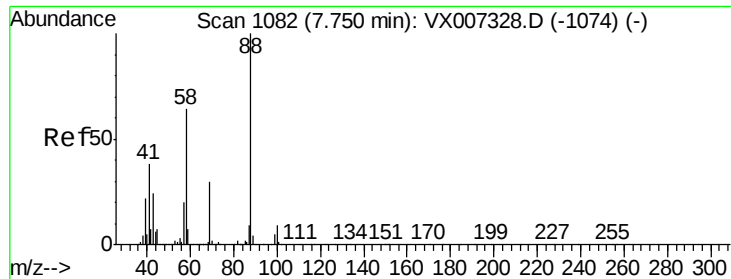
Ion Ratio Lower Upper

117 100

119 3.2 75.3 112.9#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 7.499 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

MW-9

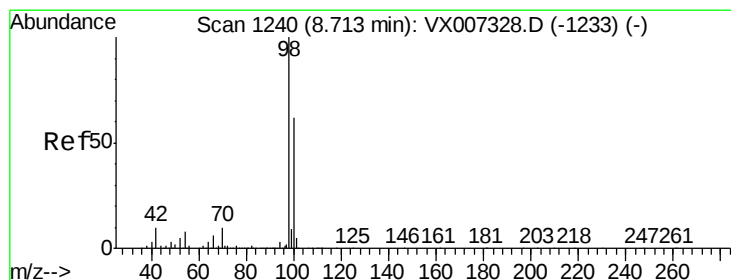
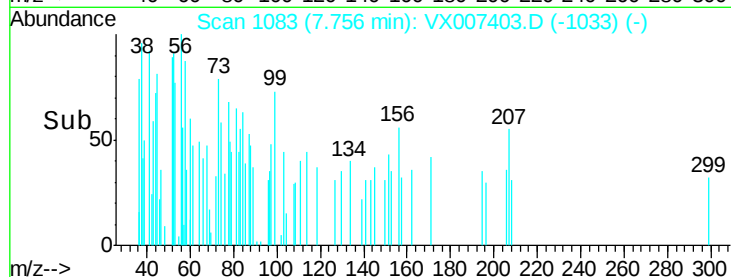
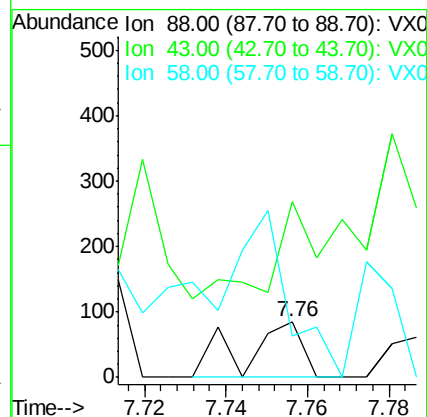
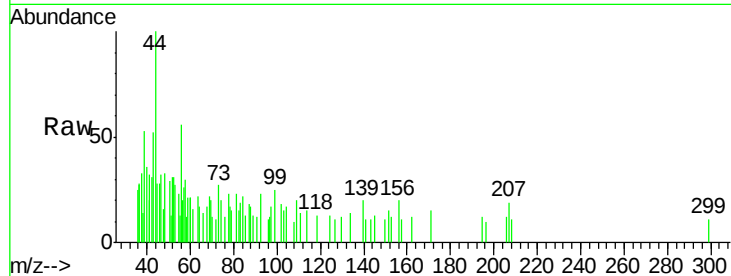
Tot Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 110.7 24.2 36.4#

58 258.3 53.0 79.4#



#50

Toluene-d8

Concen: 50.253 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007403.D

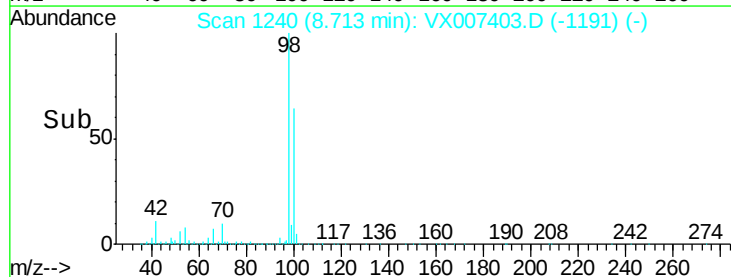
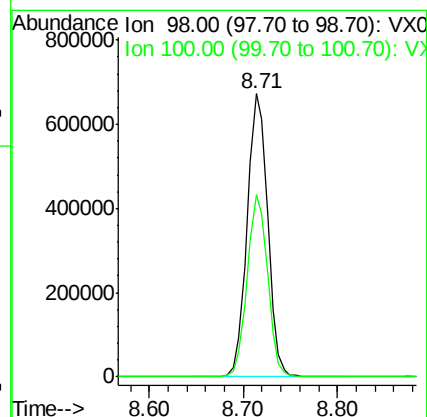
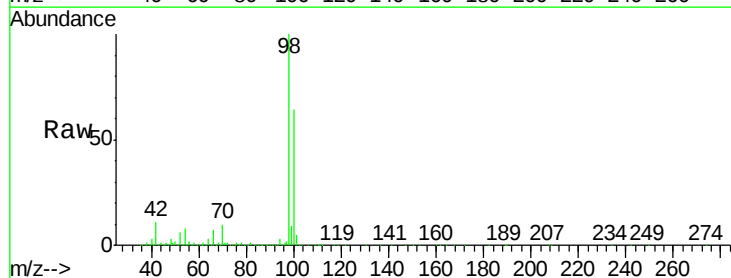
Acq: 06 Feb 2019 16:51

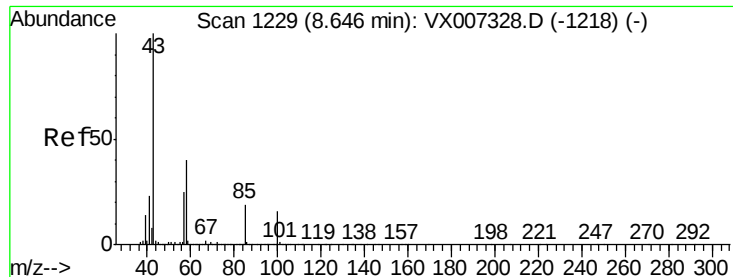
Tgt Ion: 98 Resp: 1024143

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.384 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

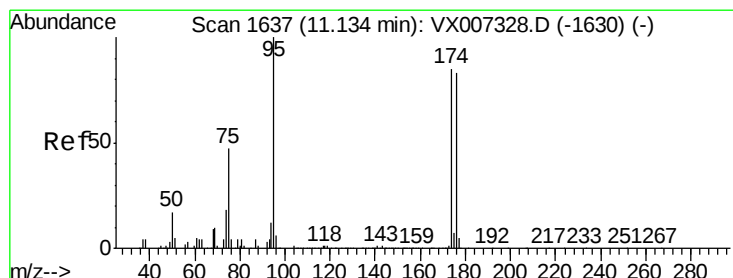
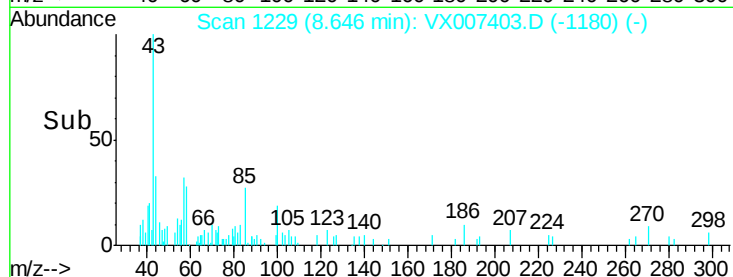
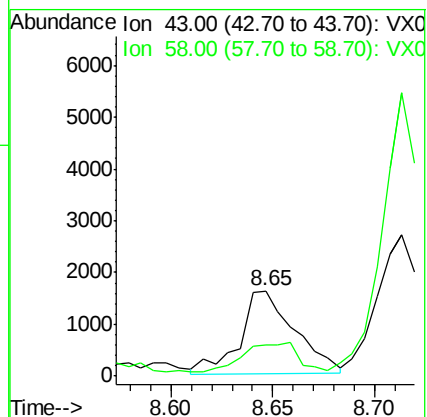
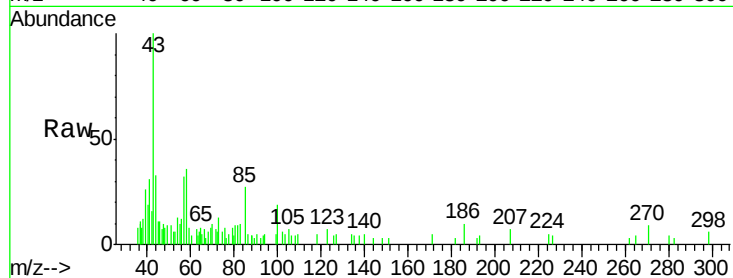
MW-9

Tot Ion: 43 Resp: 2991

Ion Ratio Lower Upper

43 100

58 40.4 31.2 46.8



#62

4-Bromofluorobenzene

Concen: 48.246 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

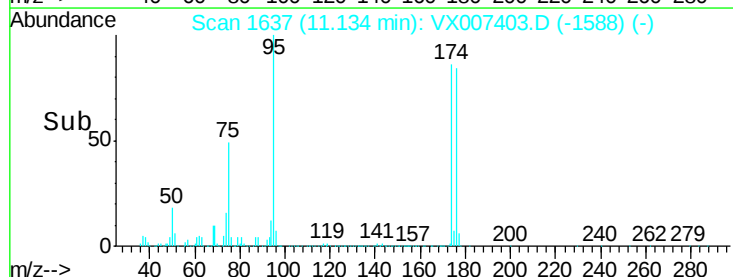
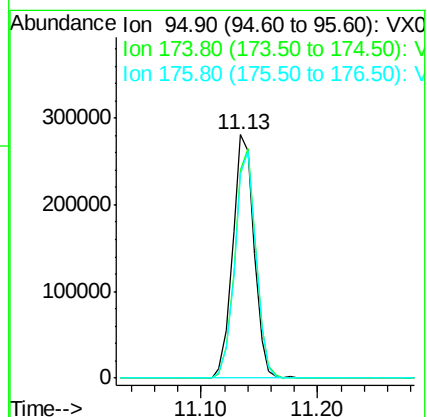
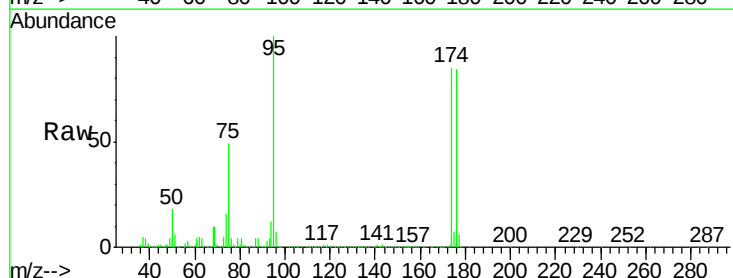
Tgt Ion: 95 Resp: 358982

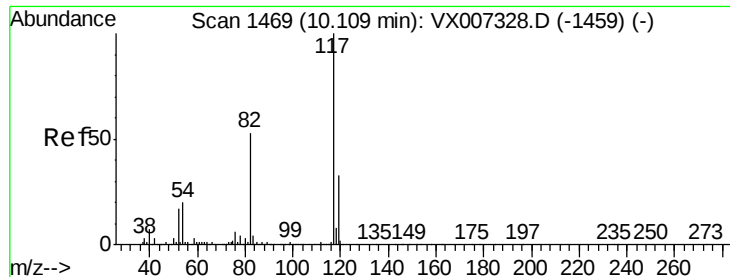
Ion Ratio Lower Upper

95 100

174 93.2 0.0 189.2

176 91.5 0.0 186.2

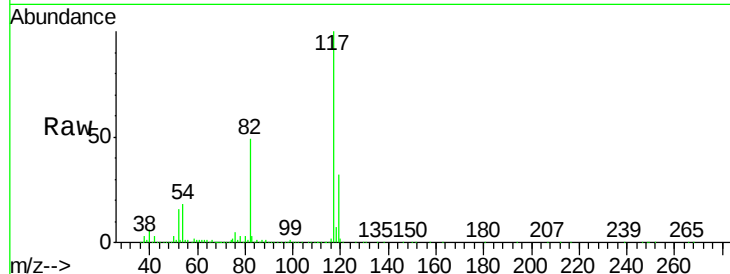




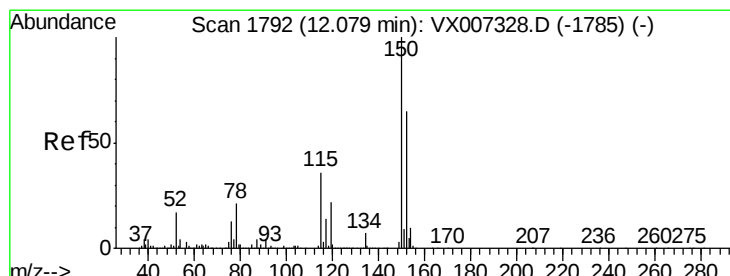
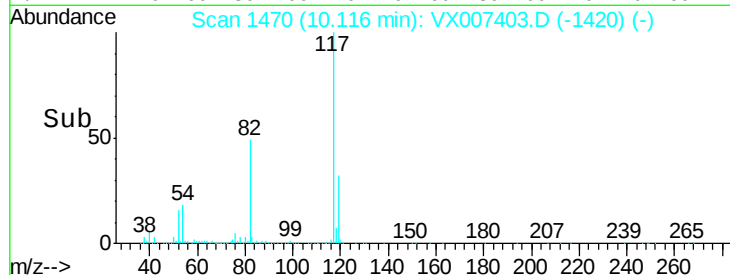
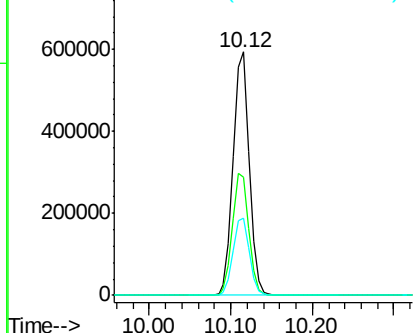
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007403.D
Acq: 06 Feb 2019 16:51

Instrument :
MSVOA_X
ClientSampleId :
MW-9

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.8	42.1	63.1
119	31.6	26.5	39.7

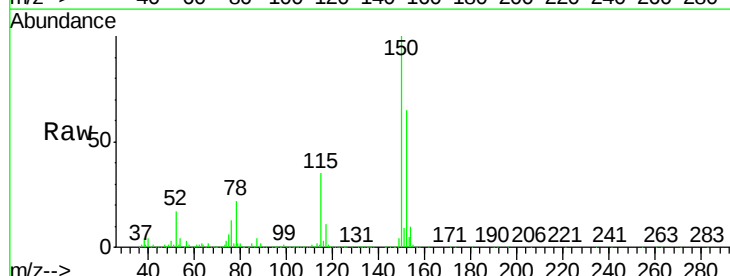


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

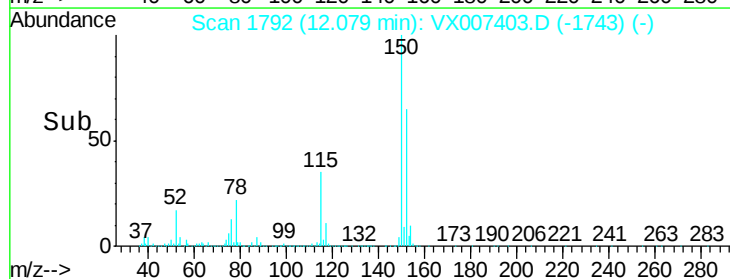
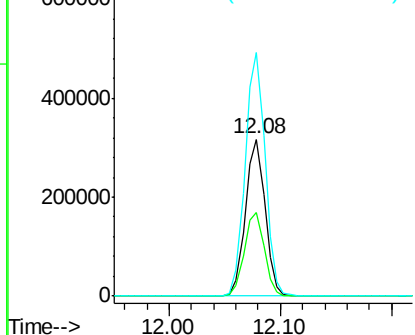


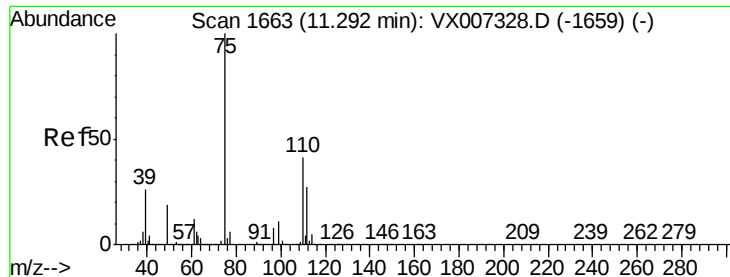
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007403.D
Acq: 06 Feb 2019 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.0	114.0
150	156.1	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: 23.017 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

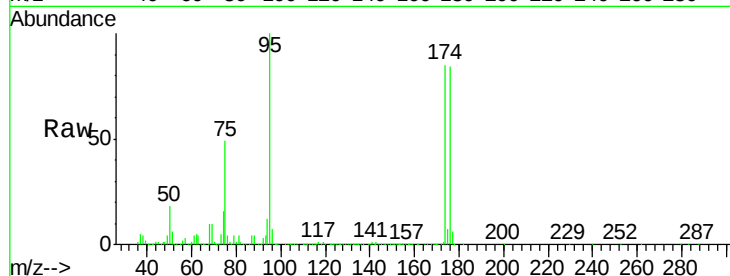
MW-9

Tot Ion: 75 Resp: 174306

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

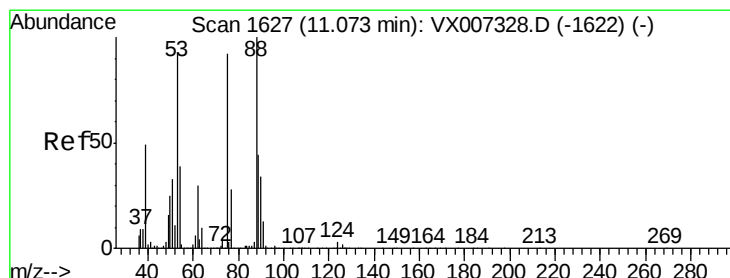
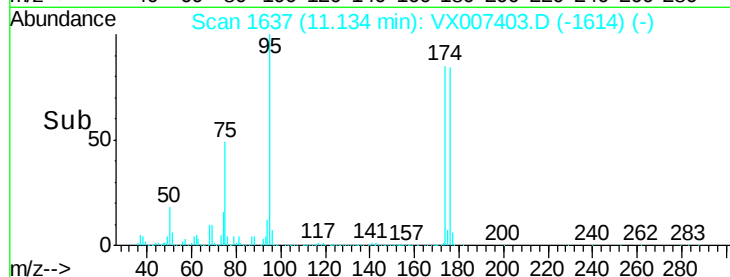
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.356 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007403.D

Acq: 06 Feb 2019 16:51

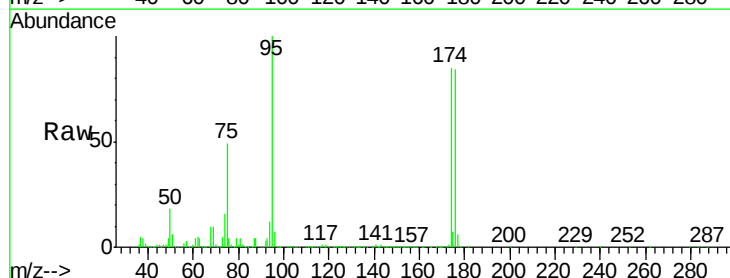
Tgt Ion: 75 Resp: 174306

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

