

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007602.D
 Acq On : 19 Feb 2019 10:17
 Operator : JC/SP
 Sample : VX0219WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBL01

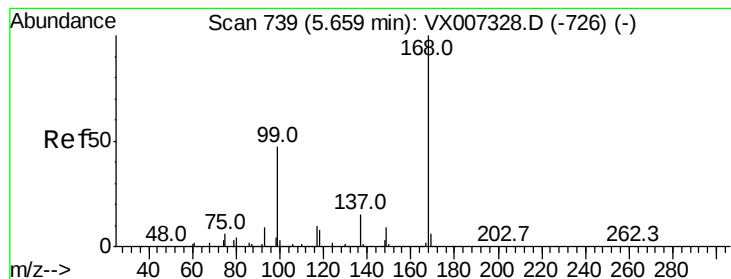
Quant Time: Feb 20 04:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	460937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	725443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	680858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	321533	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	257315	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	5.50	113	239686	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.71	98	868339	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	297757	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	138	0.202	ug/l #	67
5) Bromomethane	1.63	94	60	Below Cal	#	46
11) Tert butyl alcohol	3.05	59	1315	1.299	ug/l #	32
13) Acrolein	2.29	56	300	0.632	ug/l	97
16) Acetone	2.44	43	754	0.336	ug/l	94
17) Carbon Disulfide	2.57	76	2124	2.298	ug/l #	9
18) Methyl Acetate	2.79	43	1176	0.792	ug/l #	9
20) Methylene Chloride	2.85	84	1319	Below Cal	#	64
36) 1,1-Dichloropropene	5.66	75	29870	4.589	ug/l #	50
38) Carbon Tetrachloride	5.67	117	42636	6.752	ug/l #	19
49) 1,4-Dioxane	7.76	88	371	10.068	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	145586	23.278	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	145586	70.094	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

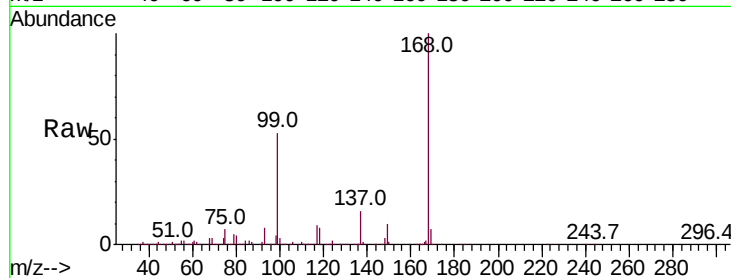
VX0219WBL01

Tot Ion:168 Resp: 460937

Ion Ratio Lower Upper

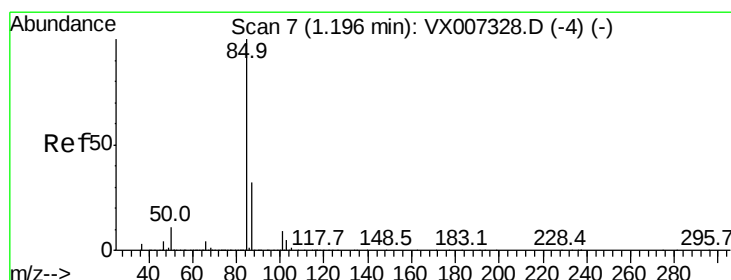
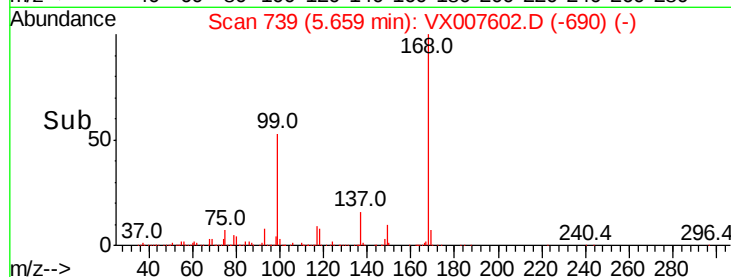
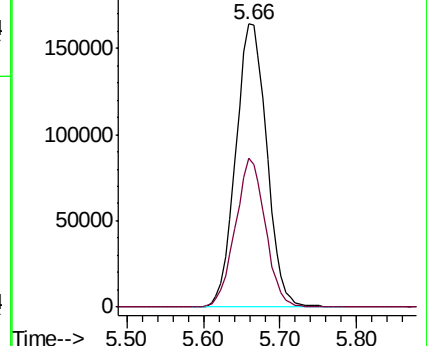
168 100

99 52.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.202 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.02 min

Lab File: VX007602.D

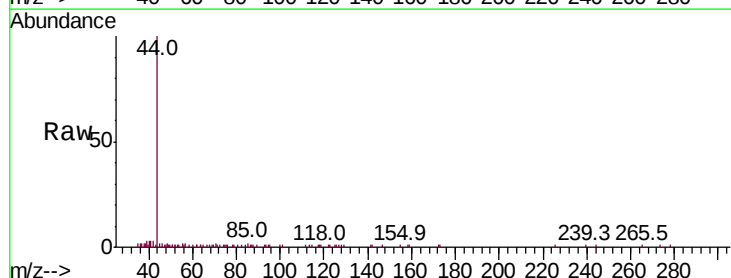
Acq: 19 Feb 2019 10:17

Tgt Ion: 85 Resp: 138

Ion Ratio Lower Upper

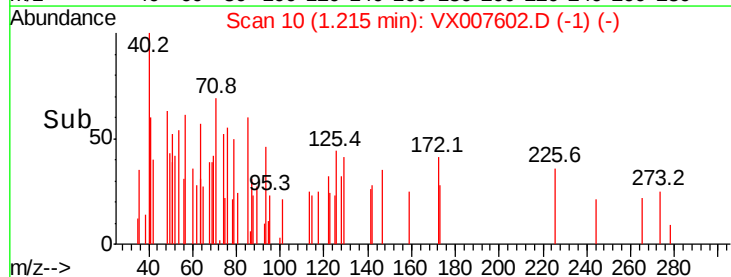
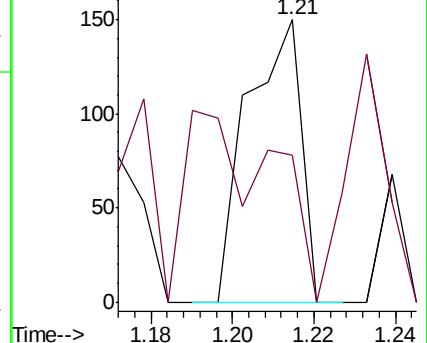
85 100

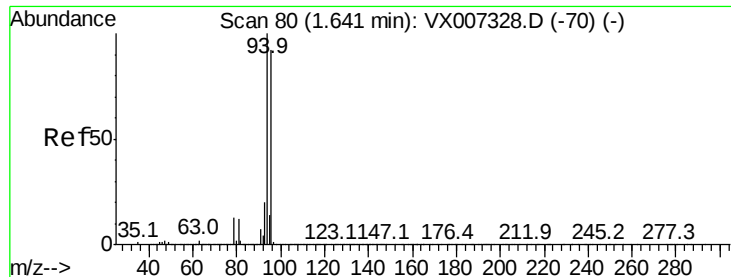
87 13.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

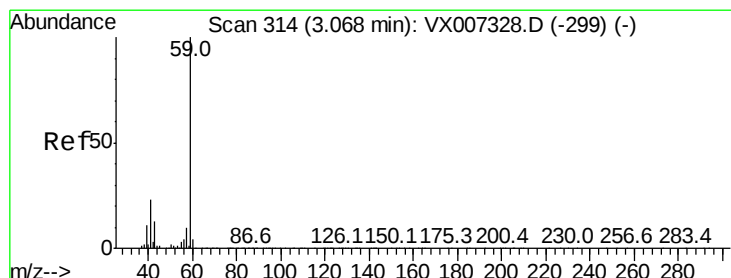
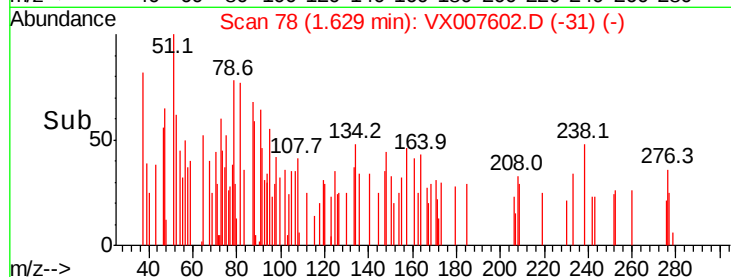
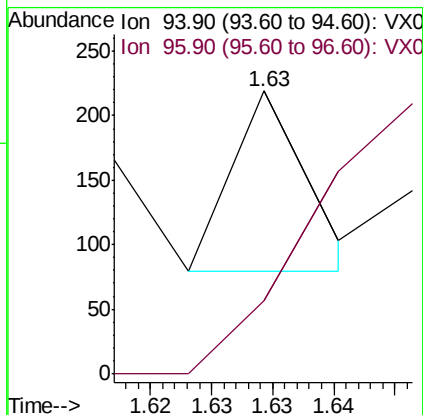
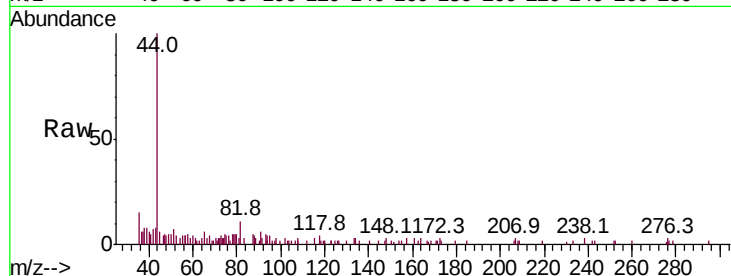
VX0219WBL01

Tot Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 40.7 73.9 110.9#



#11

Tert butyl alcohol

Concen: 1.299 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX007602.D

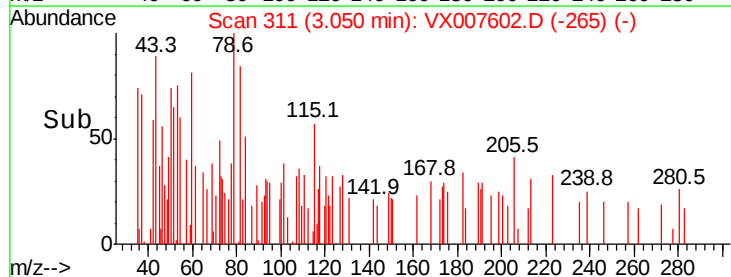
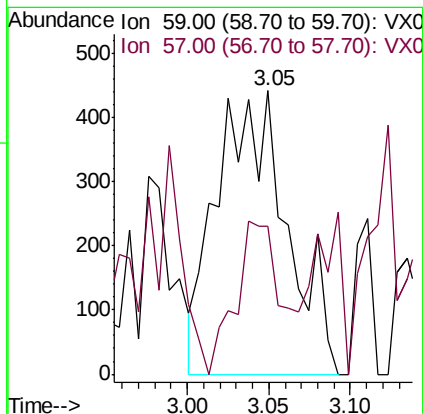
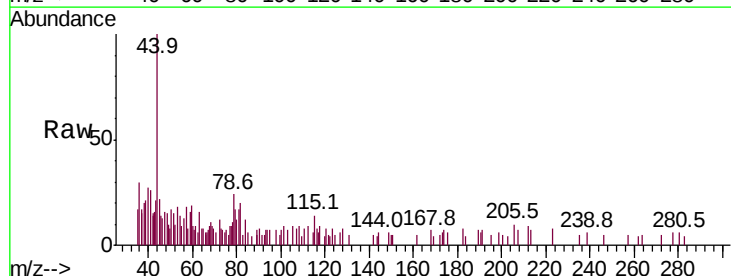
Acq: 19 Feb 2019 10:17

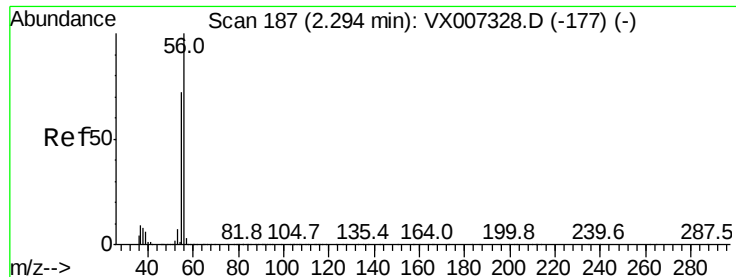
Tgt Ion: 59 Resp: 1315

Ion Ratio Lower Upper

59 100

57 35.3 8.1 12.1#





#13

Acrolein

Concen: 0.632 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

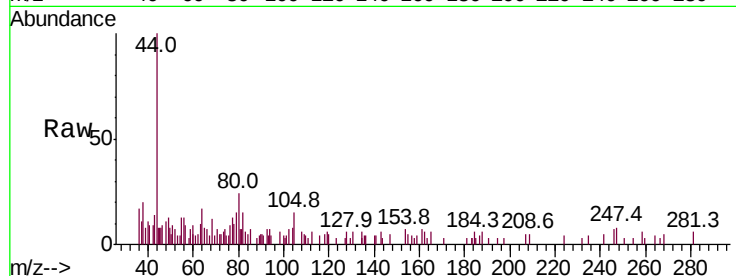
VX0219WBL01

Tot Ion: 56 Resp: 300

Ion Ratio Lower Upper

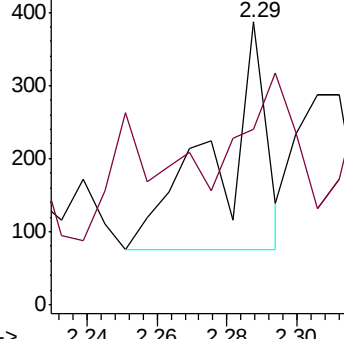
56 100

55 69.0 56.9 85.3

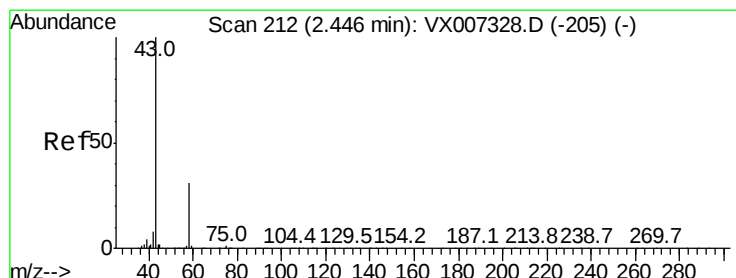
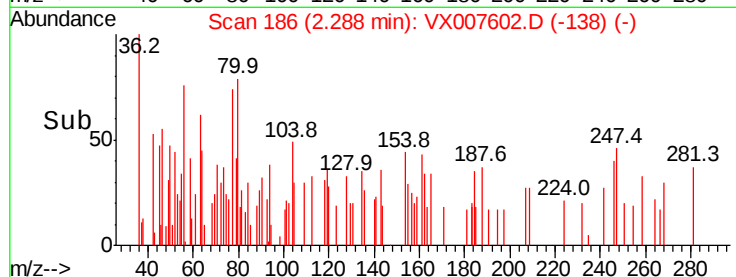


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.336 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007602.D

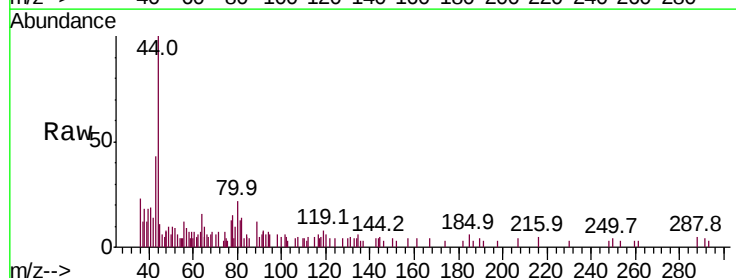
Acq: 19 Feb 2019 10:17

Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

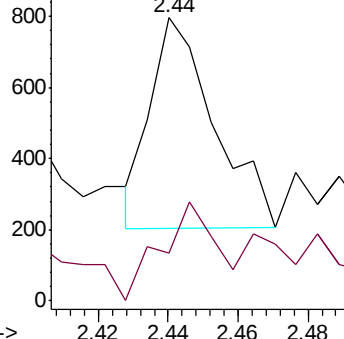
43 100

58 34.5 24.9 37.3

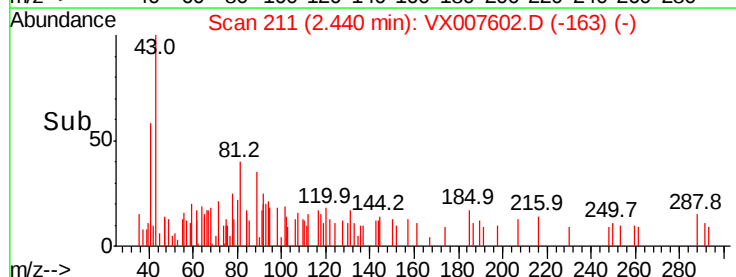


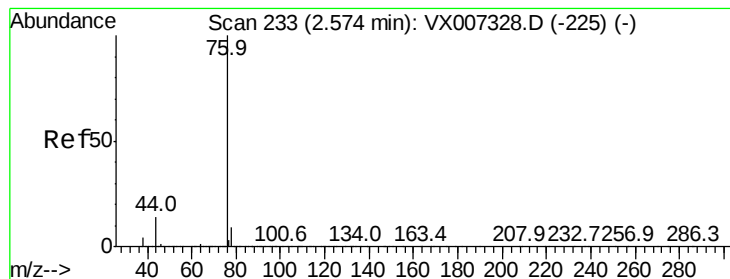
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 2.298 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

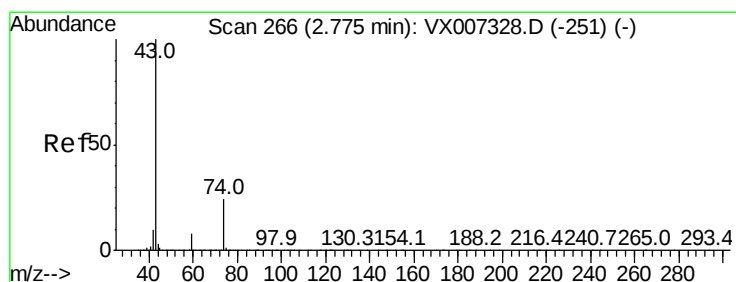
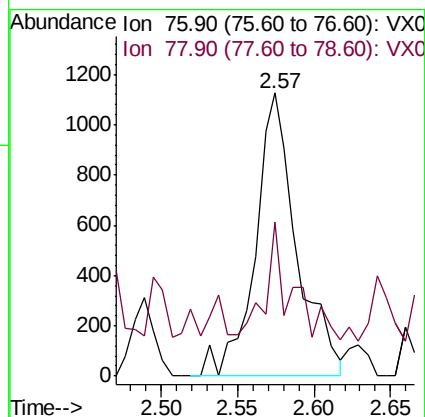
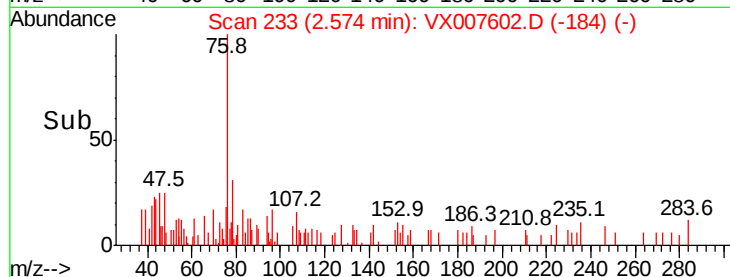
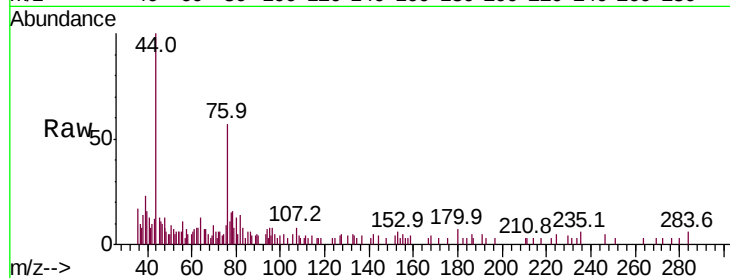
VX0219WBL01

Tot Ion: 76 Resp: 2124

Ion Ratio Lower Upper

76 100

78 41.6 7.1 10.7#



#18

Methyl Acetate

Concen: 0.792 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007602.D

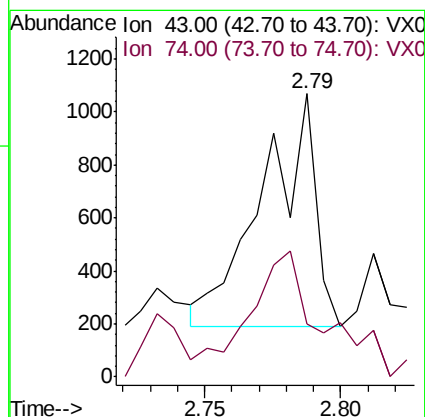
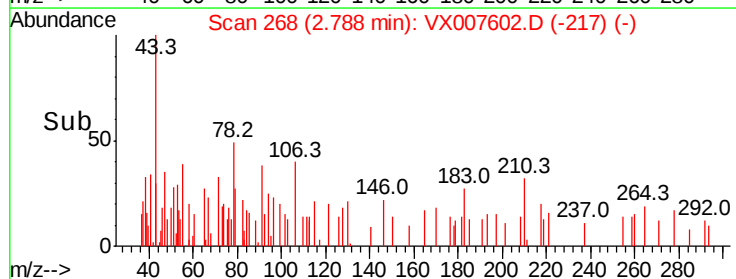
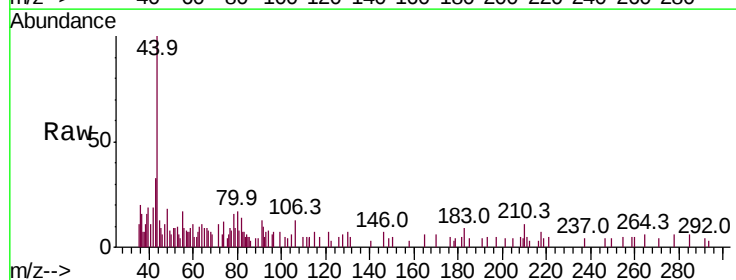
Acq: 19 Feb 2019 10:17

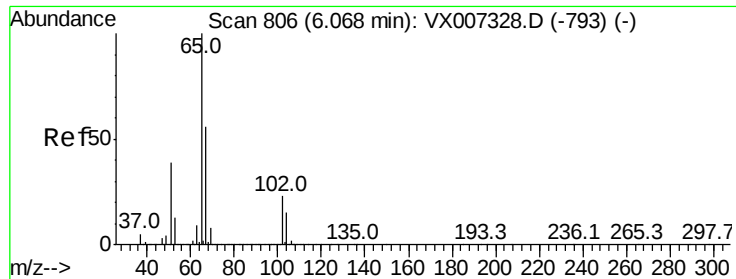
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

74 69.3 19.4 29.2#





#33

1,2-Dichloroethane-d4

Concen: 52.594 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

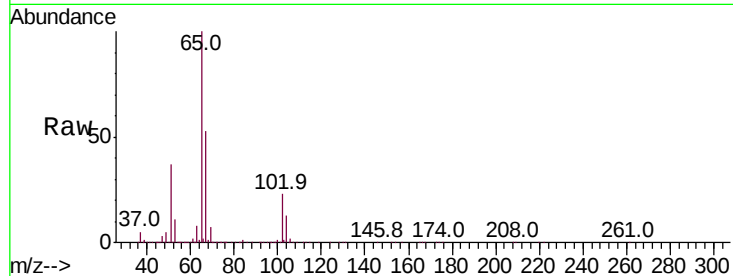
VX0219WBL01

Tot Ion: 65 Resp: 257315

Ion Ratio Lower Upper

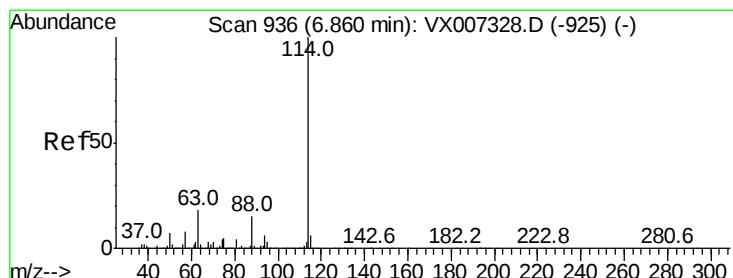
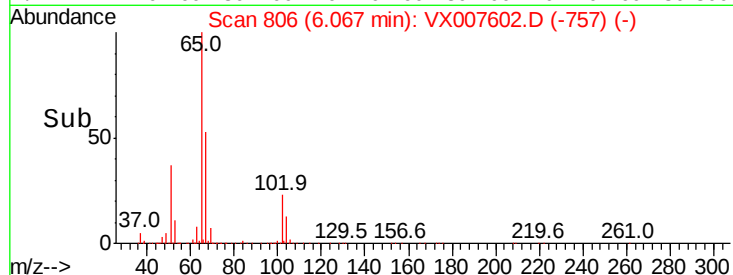
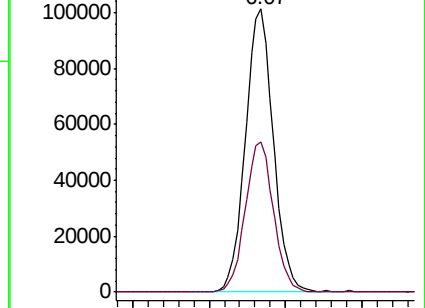
65 100

67 53.2 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: VX007602.D

Acq: 19 Feb 2019 10:17

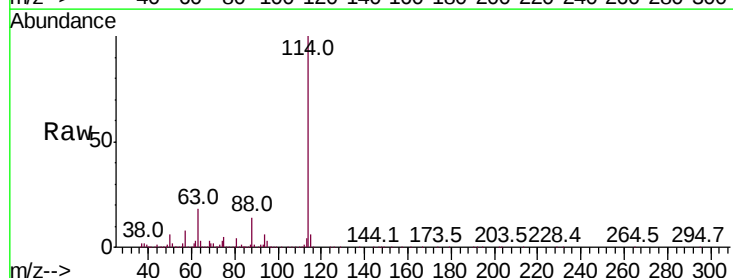
Tgt Ion:114 Resp: 725443

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

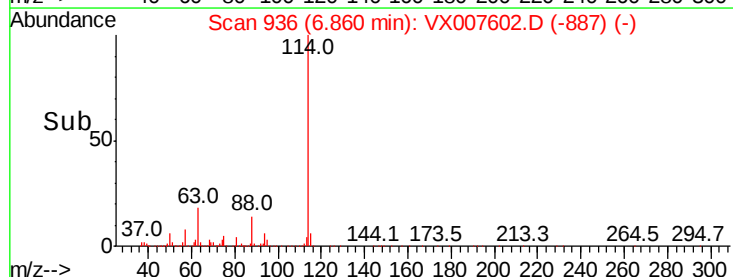
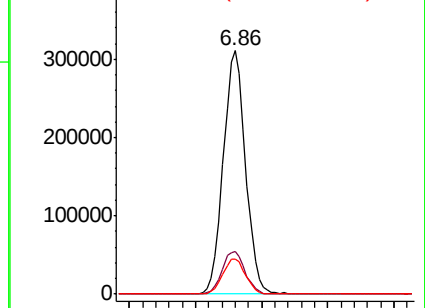
88 14.3 0.0 29.6

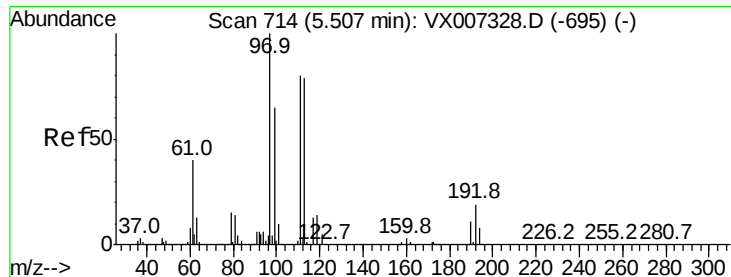


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.779 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBL01

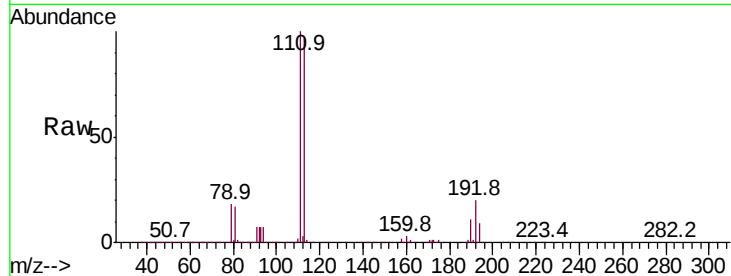
Tot Ion:113 Resp: 239686

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

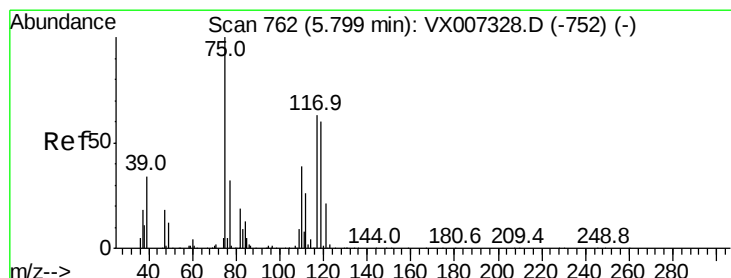
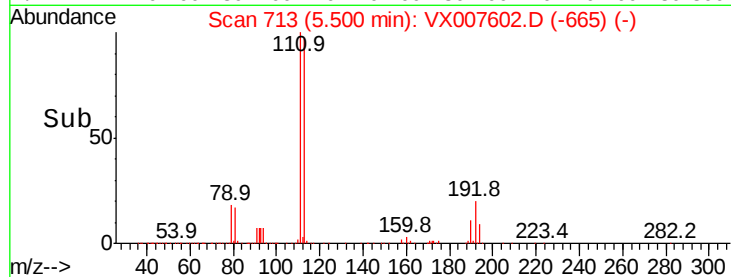
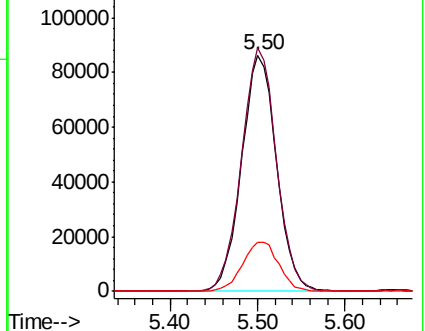
192 21.6 18.5 27.7



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: 4.589 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

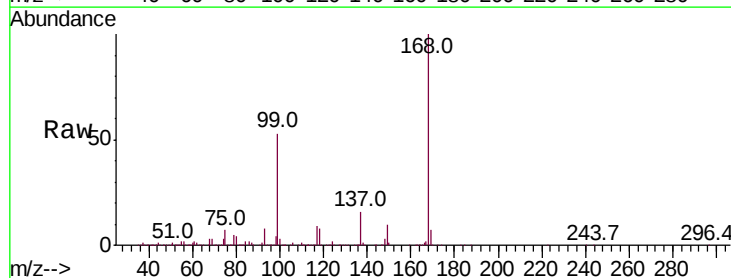
Tgt Ion: 75 Resp: 29870

Ion Ratio Lower Upper

75 100

110 11.0 20.0 59.9#

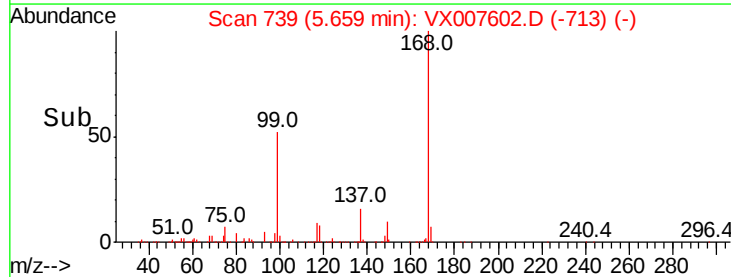
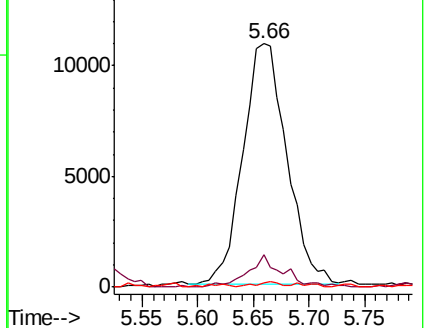
77 1.4 24.7 37.1#

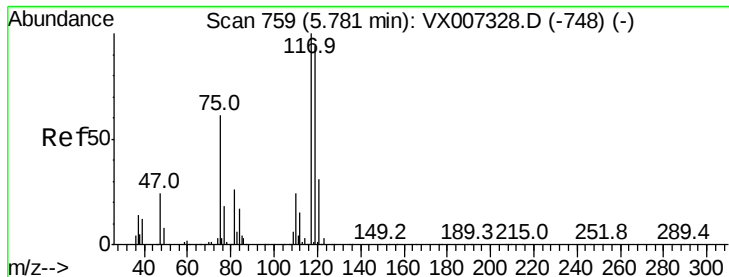


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.752 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0219WBL01

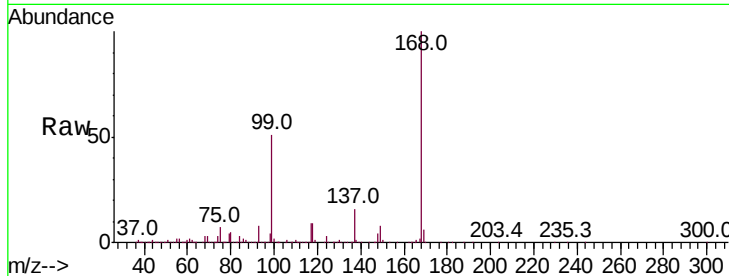
Tot Ion:117 Resp: 42636

Ion Ratio Lower Upper

117 100

119 7.5 75.3 112.9#

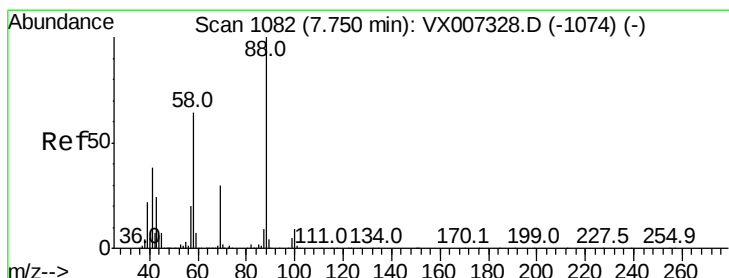
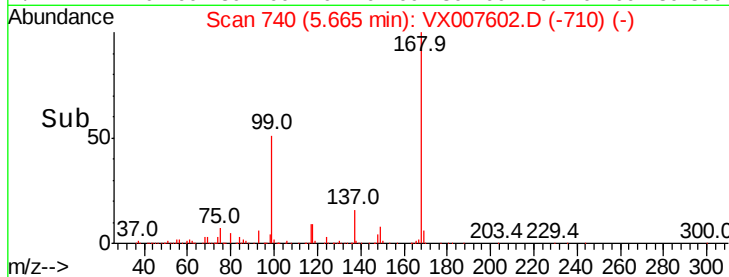
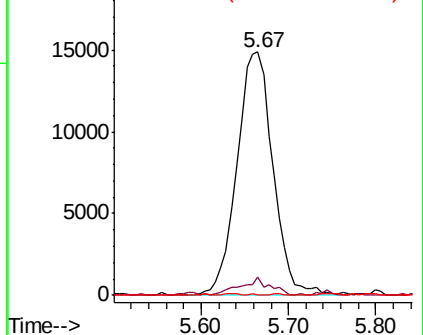
121 0.0 25.0 37.4#



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: 10.068 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

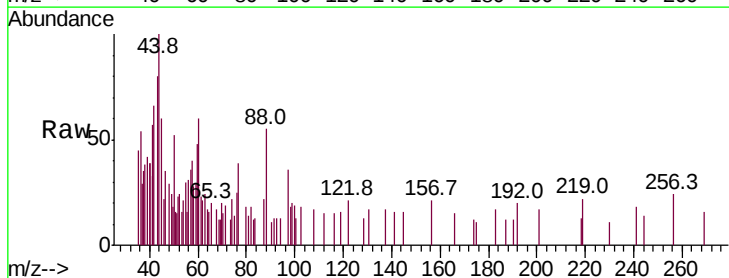
Tgt Ion: 88 Resp: 371

Ion Ratio Lower Upper

88 100

43 147.2 24.2 36.4#

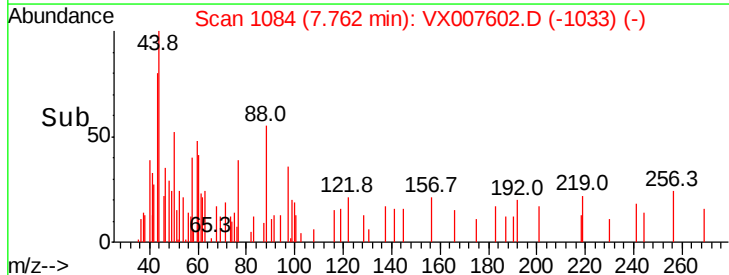
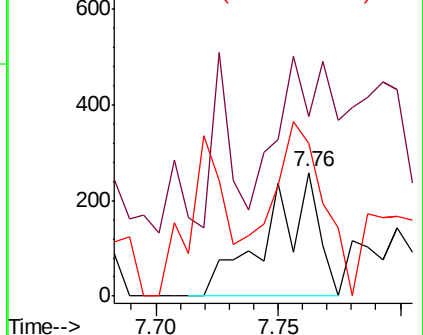
58 138.3 53.0 79.4#

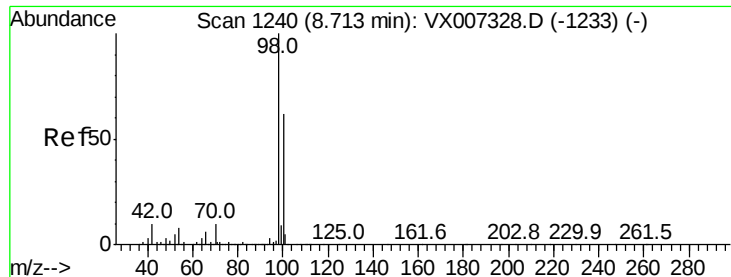


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.583 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

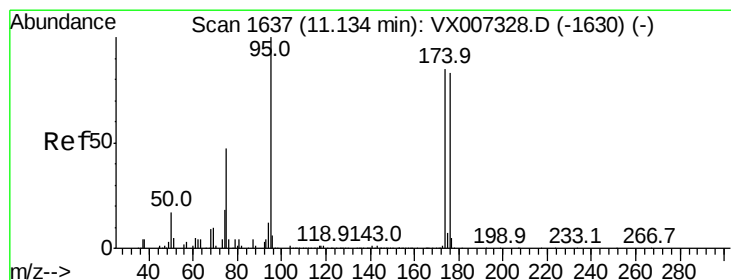
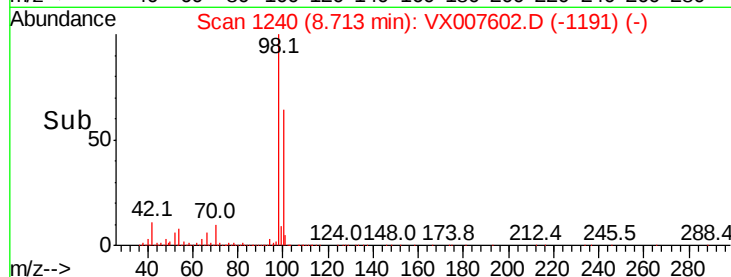
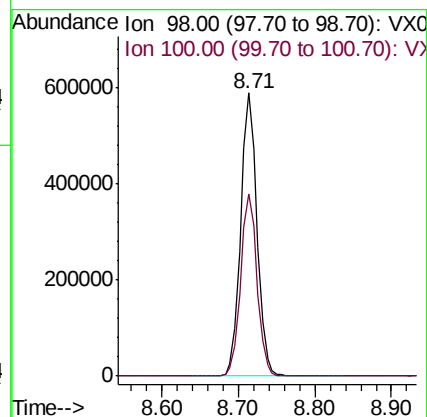
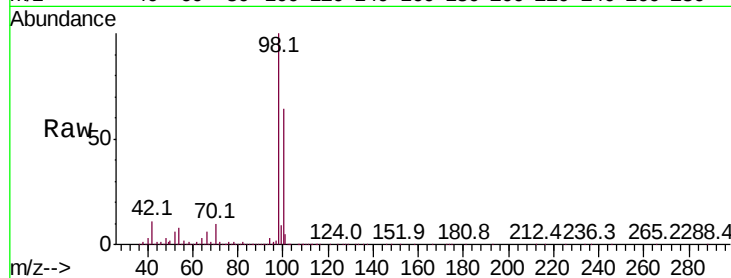
VX0219WBL01

Tot Ion: 98 Resp: 868339

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.569 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

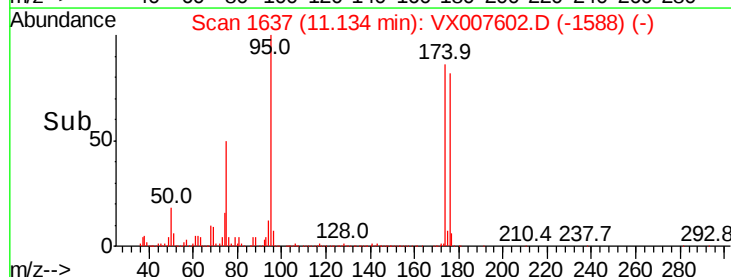
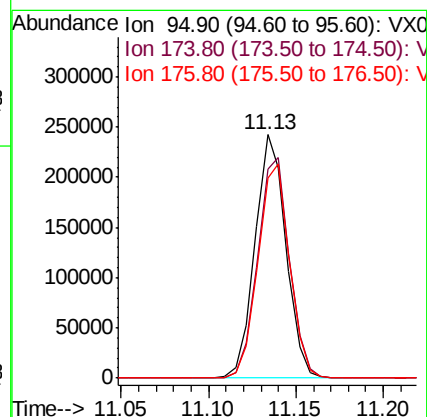
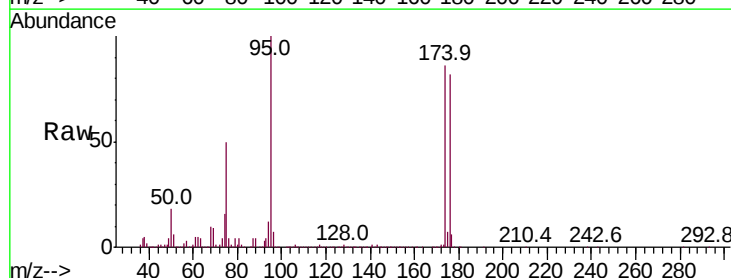
Tgt Ion: 95 Resp: 297757

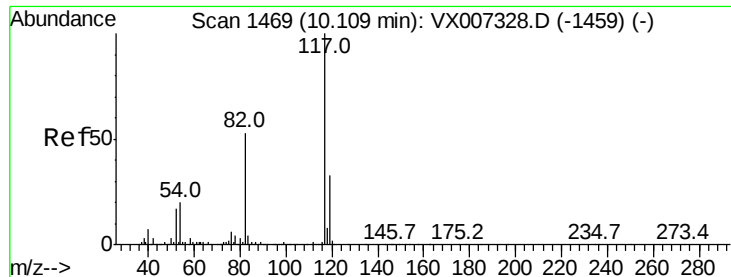
Ion Ratio Lower Upper

95 100

174 93.7 0.0 189.2

176 90.3 0.0 186.2

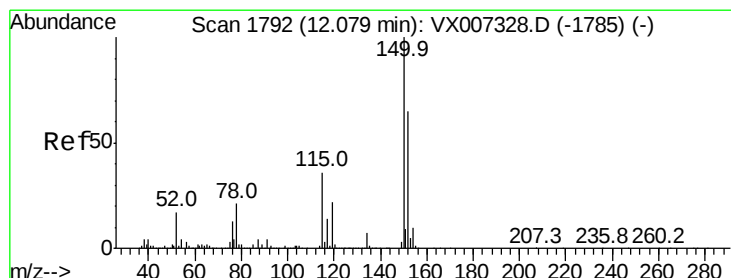
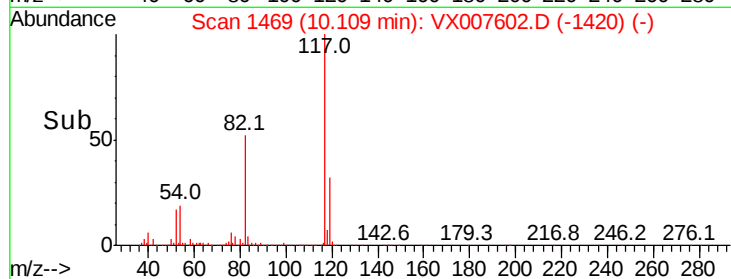
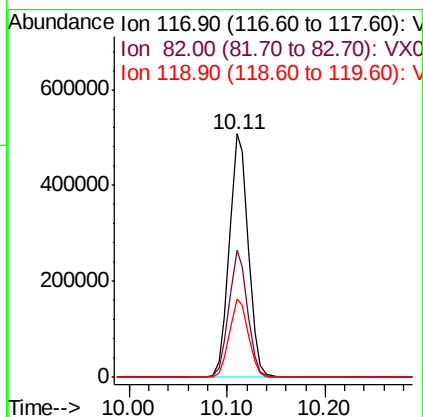
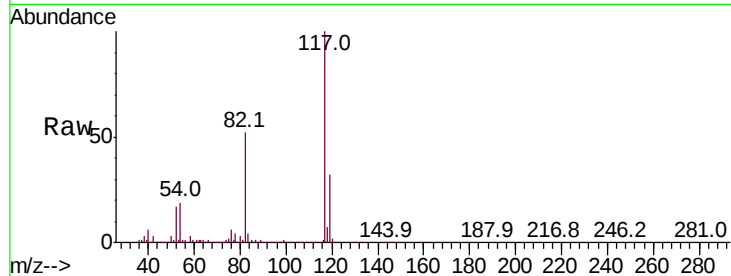




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007602.D
Acq: 19 Feb 2019 10:17

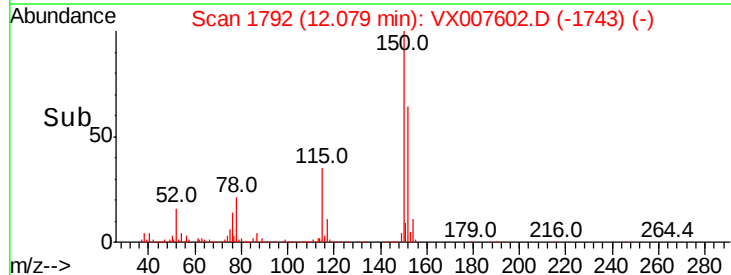
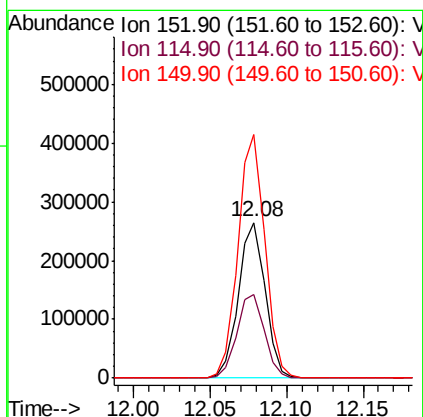
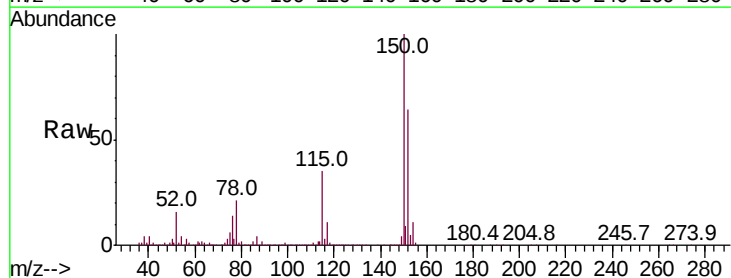
Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

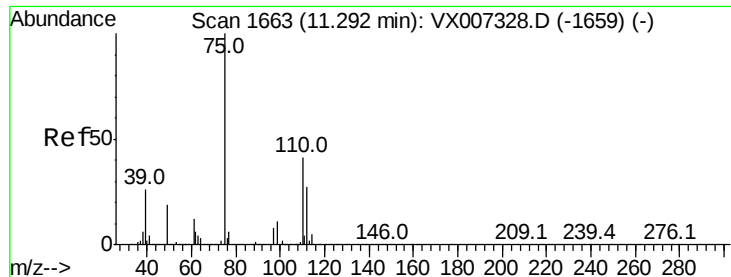
Tot Ion:117 Resp: 680858
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007602.D
Acq: 19 Feb 2019 10:17

Tgt Ion:152 Resp: 321533
Ion Ratio Lower Upper
152 100
115 55.5 38.0 114.0
150 157.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.278 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

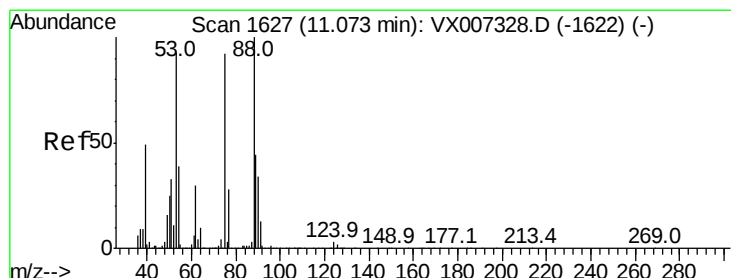
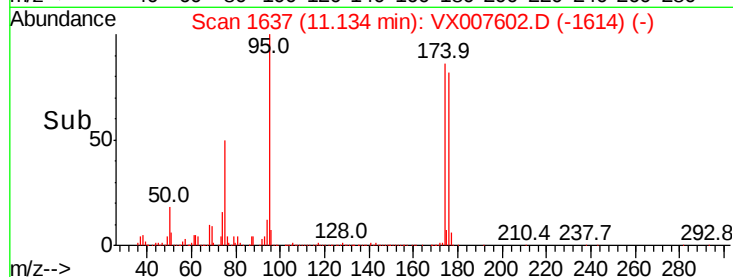
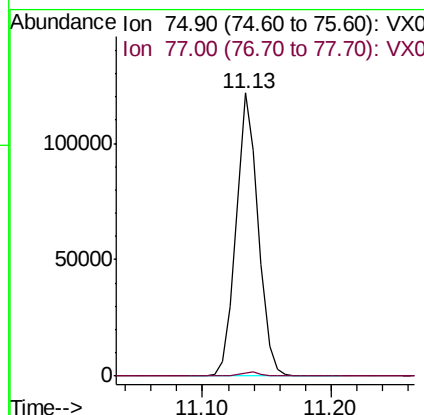
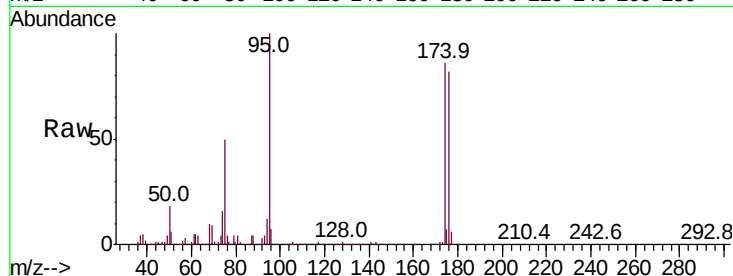
VX0219WBL01

Tot Ion: 75 Resp: 145586

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007602.D

Acq: 19 Feb 2019 10:17

Tgt Ion: 75 Resp: 145586

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#

