

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030419\
 Data File : VX007806.D
 Acq On : 04 Mar 2019 13:06
 Operator : JC/SP
 Sample : VX0304WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304WBL01

Quant Time: Mar 04 13:27:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	510063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	478601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229979	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	182497	44.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.78%	
35) Dibromofluoromethane	5.51	113	166218	48.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	617516	47.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.13	95	223645	46.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.36%	

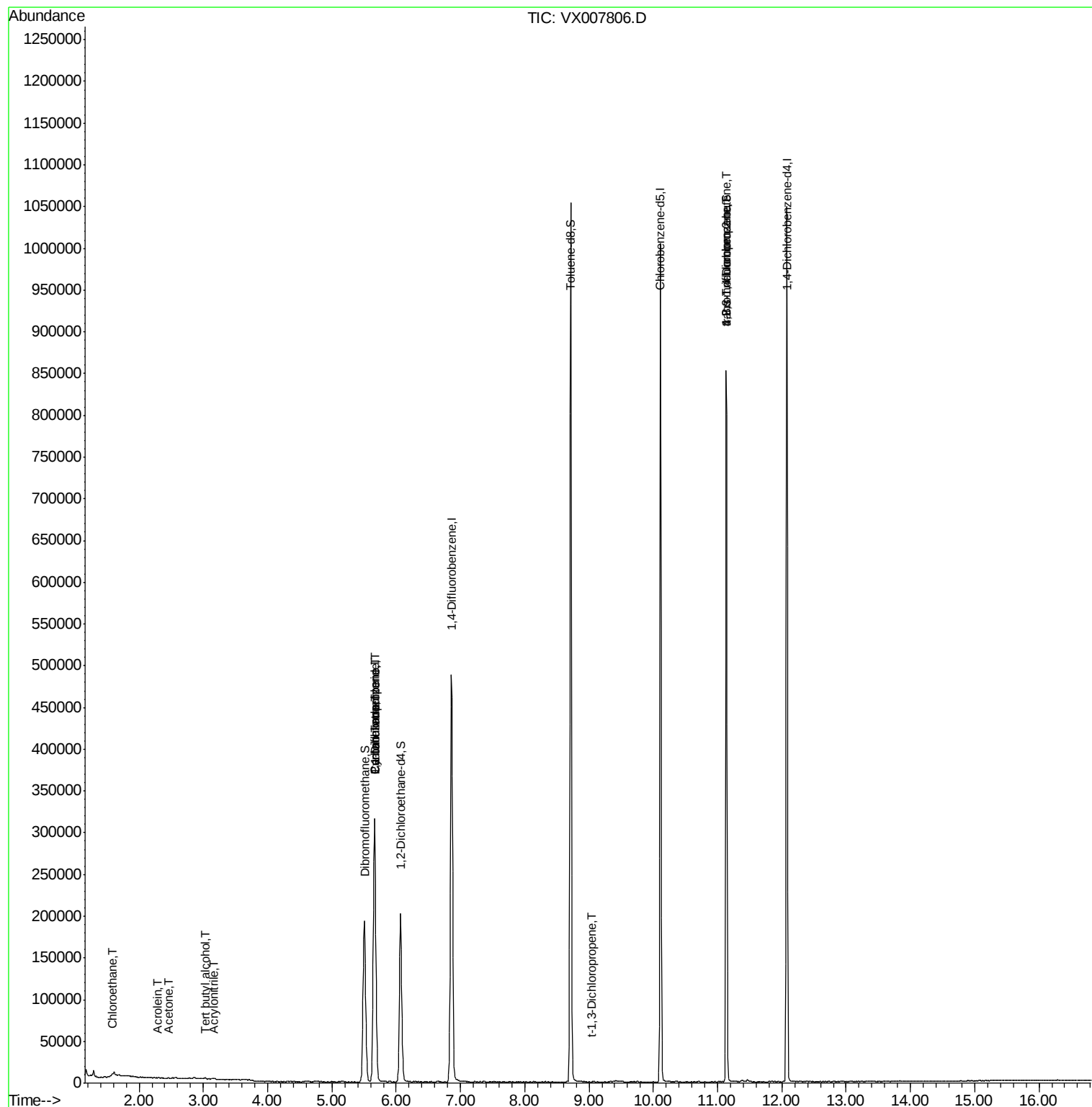
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	407	Below Cal	#	76
6) Chloroethane	1.59	64	7179	3.269	ug/l #	51
11) Tert butyl alcohol	3.03	59	756	0.980	ug/l #	88
13) Acrolein	2.29	56	234	0.341	ug/l #	71
15) Acrylonitrile	3.16	53	428	0.236	ug/l #	38
16) Acetone	2.45	43	395	0.219	ug/l	96
31) Cyclohexane	5.67	56	5312	0.940	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20926	4.563	ug/l #	47
38) Carbon Tetrachloride	5.67	117	28214	6.125	ug/l #	17
53) t-1,3-Dichloropropene	9.05	75	119	2.823	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	102234	20.855	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	102234	55.532	ug/l #	9

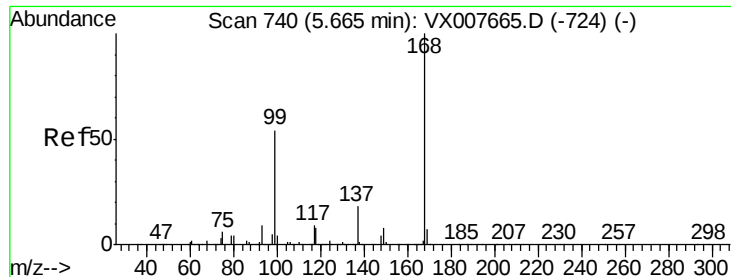
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

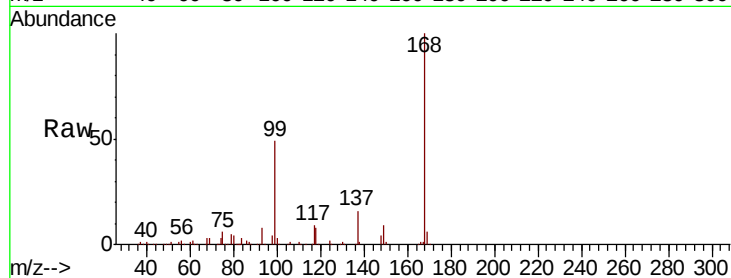
VX0304WBL01

Tgt Ion:168 Resp: 328180

Ion Ratio Lower Upper

168 100

99 48.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

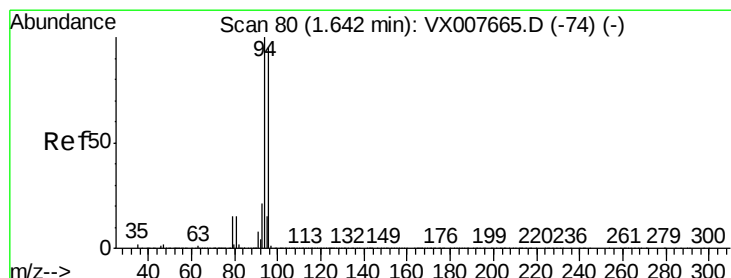
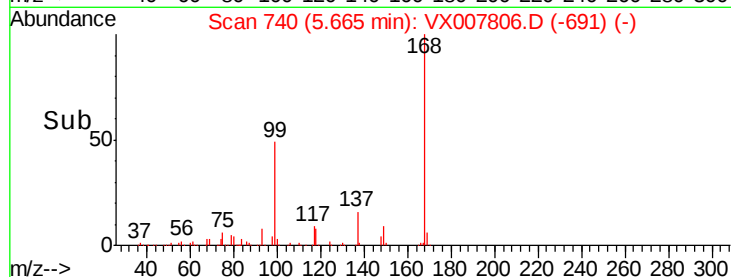
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007806.D

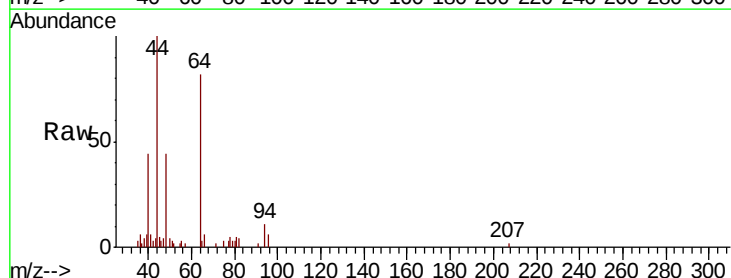
Acq: 04 Mar 2019 13:06

Tgt Ion: 94 Resp: 407

Ion Ratio Lower Upper

94 100

96 69.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

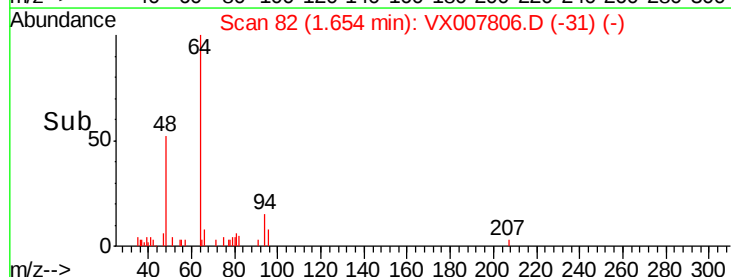
300

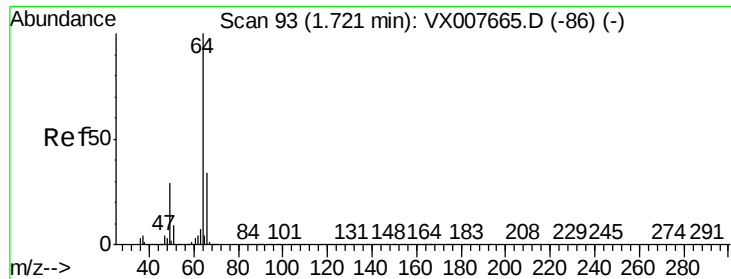
200

100

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 3.269 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

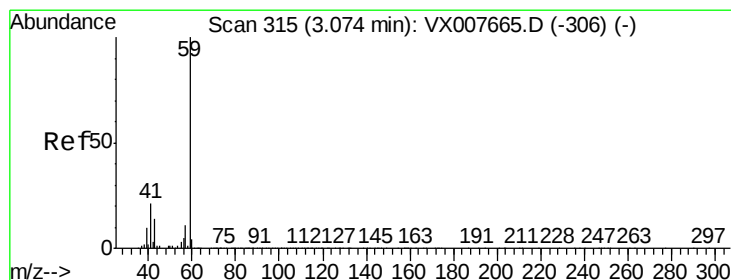
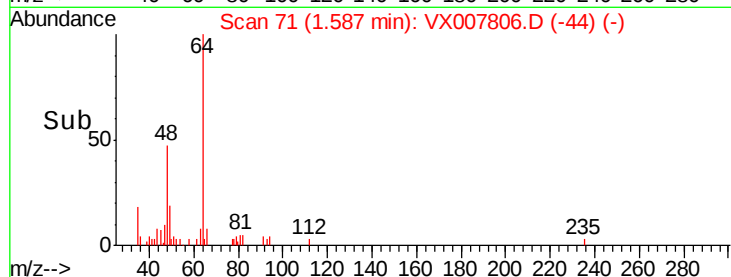
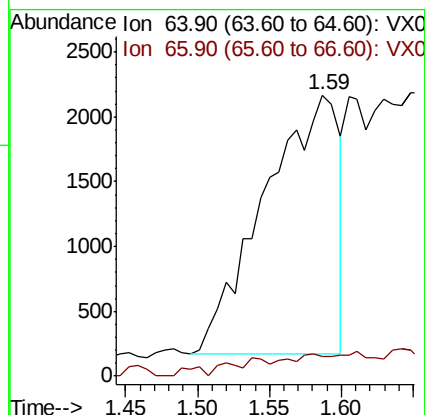
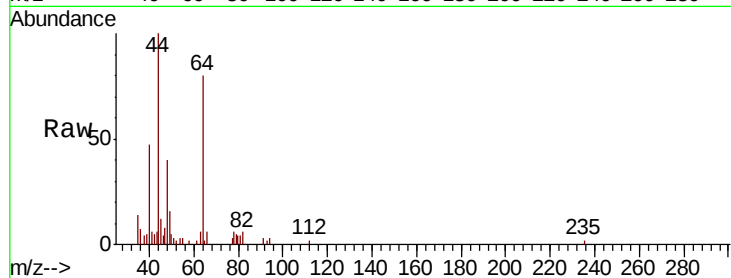
VX0304WBL01

Tgt Ion: 64 Resp: 7179

Ion Ratio Lower Upper

64 100

66 4.8 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.980 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX007806.D

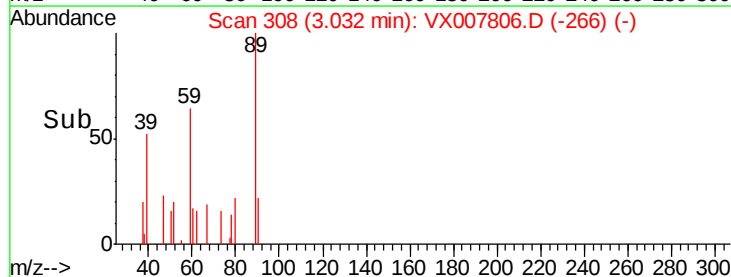
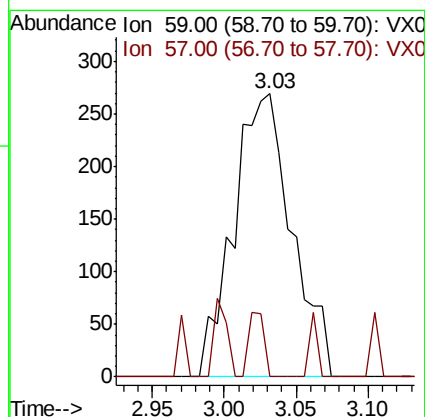
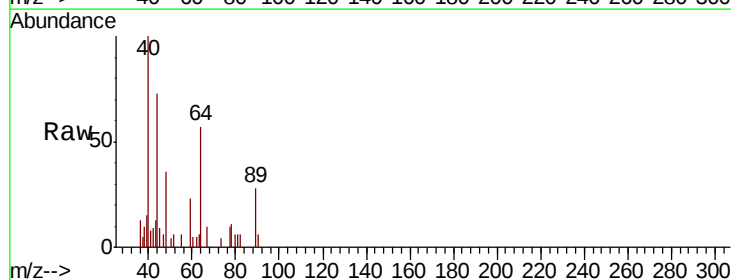
Acq: 04 Mar 2019 13:06

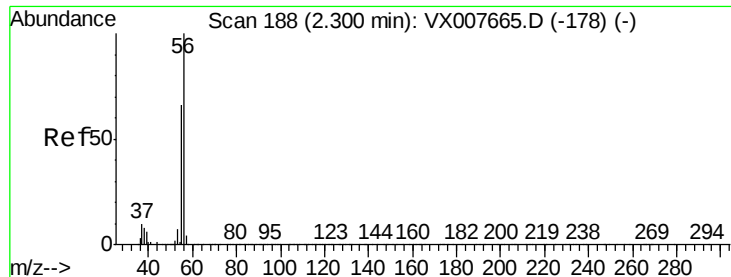
Tgt Ion: 59 Resp: 756

Ion Ratio Lower Upper

59 100

57 5.8 8.1 12.1#





#13

Acrolein

Concen: 0.341 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

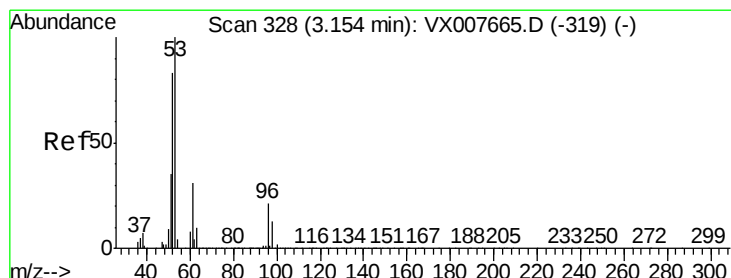
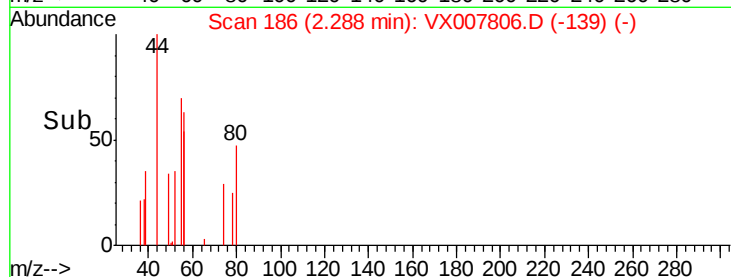
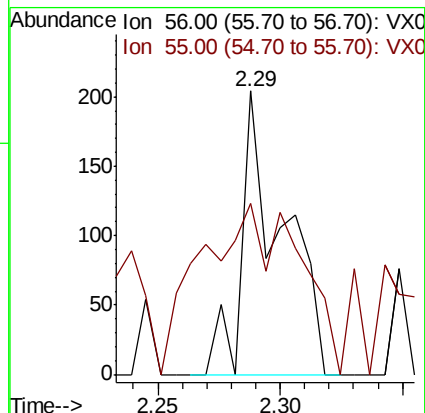
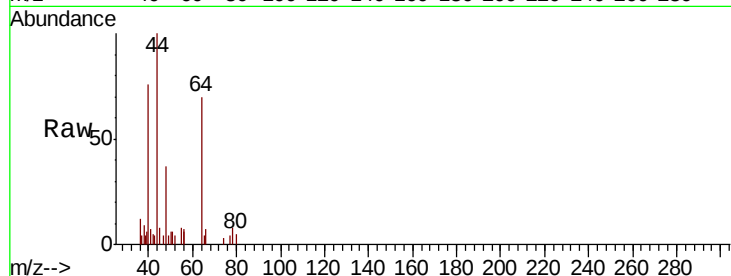
VX0304WBL01

Tgt Ion: 56 Resp: 234

Ion Ratio Lower Upper

56 100

55 94.9 56.9 85.3#



#15

Acrylonitrile

Concen: 0.236 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

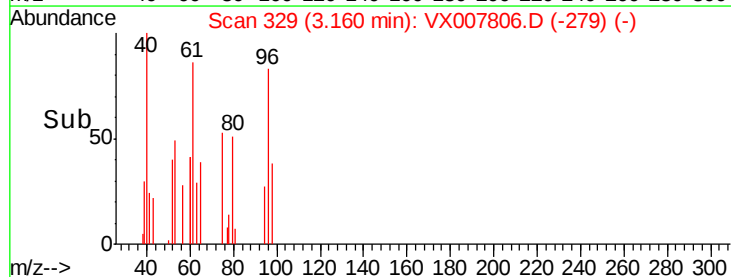
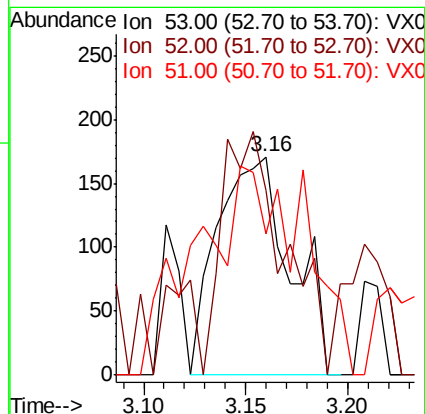
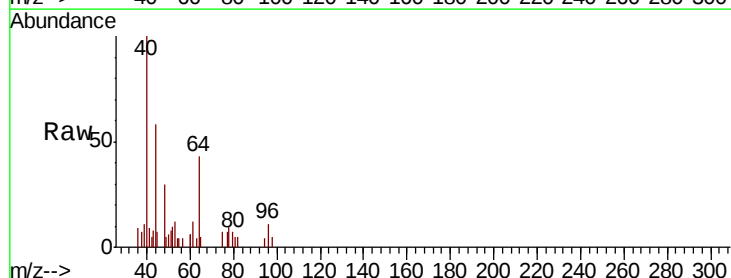
Tgt Ion: 53 Resp: 428

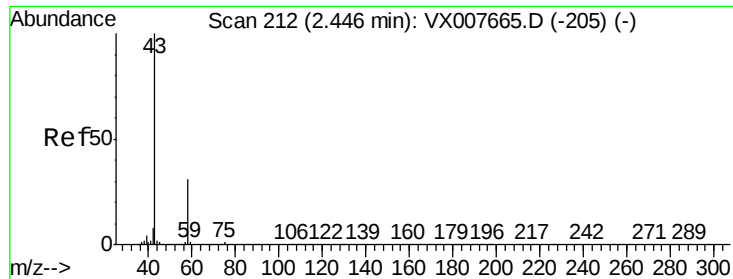
Ion Ratio Lower Upper

53 100

52 94.2 66.4 99.6

51 140.2 28.4 42.6#

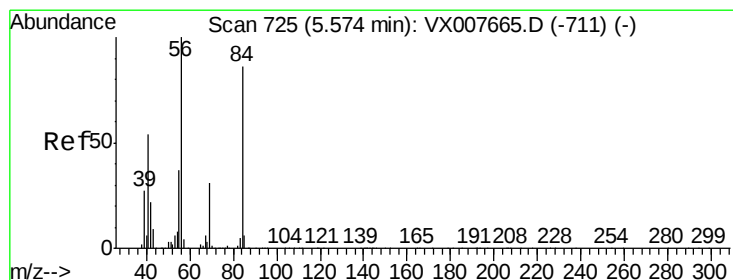
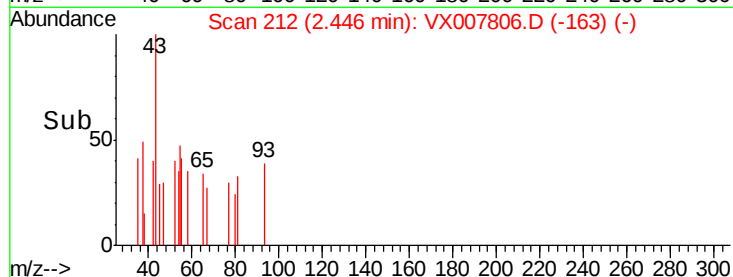
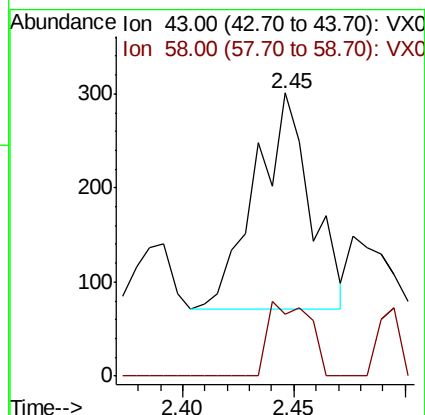
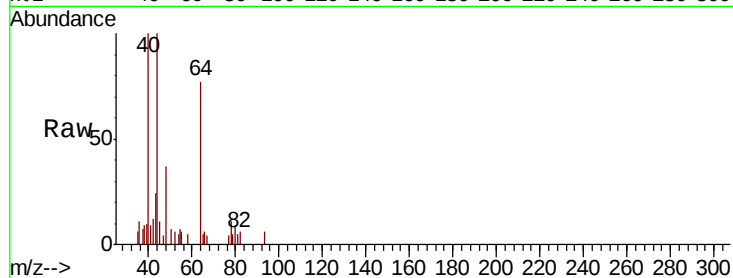




#16
Acetone
Concen: 0.219 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

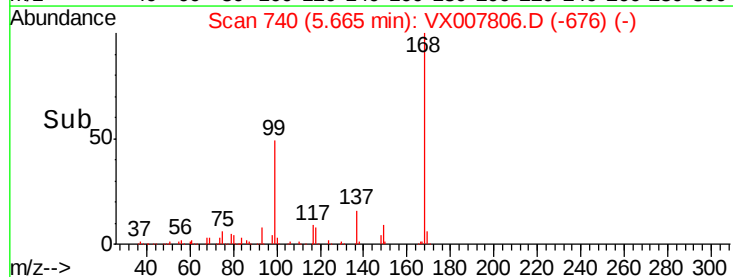
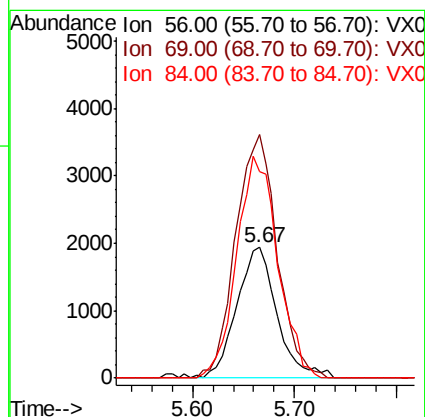
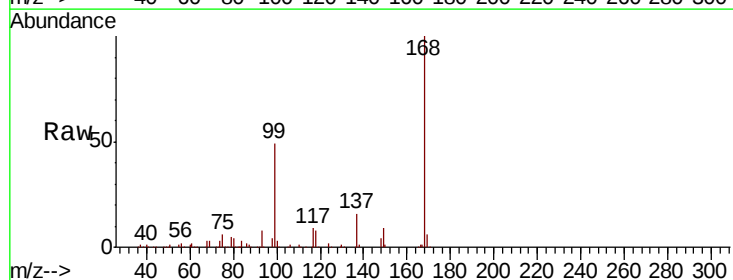
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

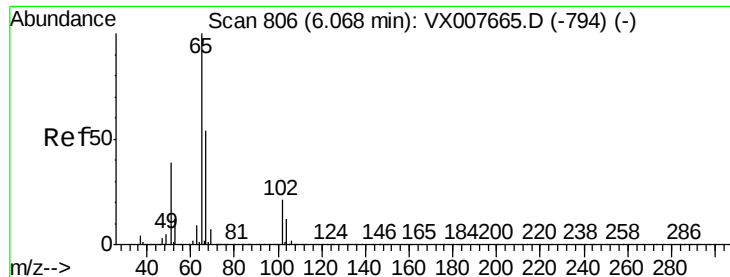
Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 28.7 24.9 37.3



#31
Cyclohexane
Concen: 0.940 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

Tgt Ion: 56 Resp: 5312
Ion Ratio Lower Upper
56 100
69 186.1 23.0 34.6#
84 158.2 69.8 104.6#





#33

1,2-Dichloroethane-d4

Concen: 44.893 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

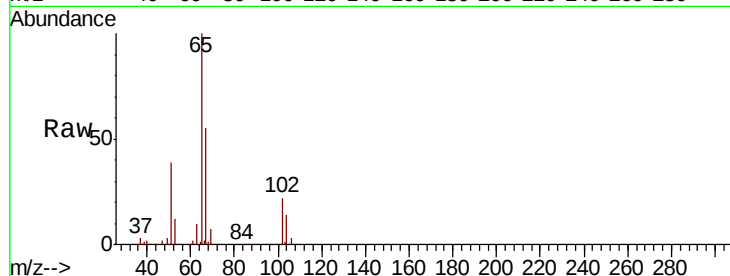
VX0304WBL01

Tgt Ion: 65 Resp: 182497

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

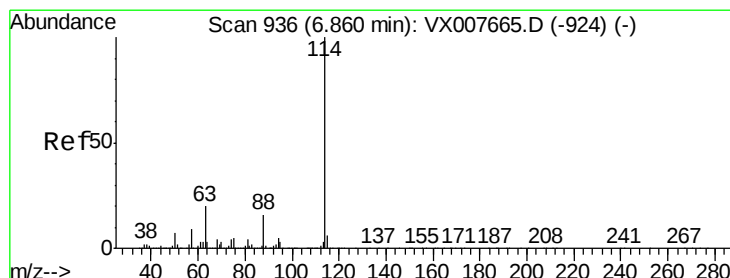
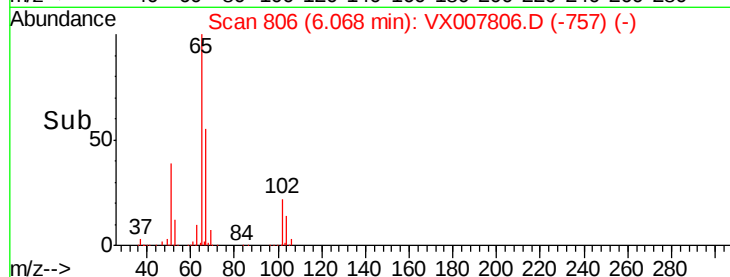
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

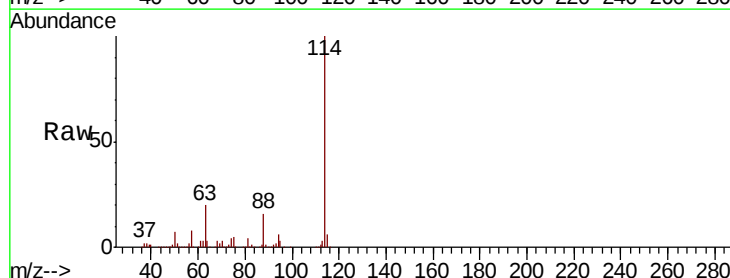
Tgt Ion: 114 Resp: 510063

Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.6

88 15.5 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

300000

250000

200000

150000

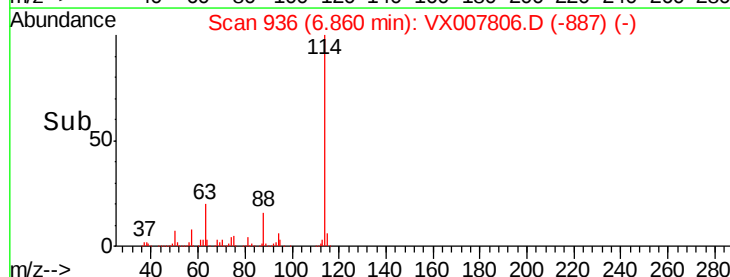
100000

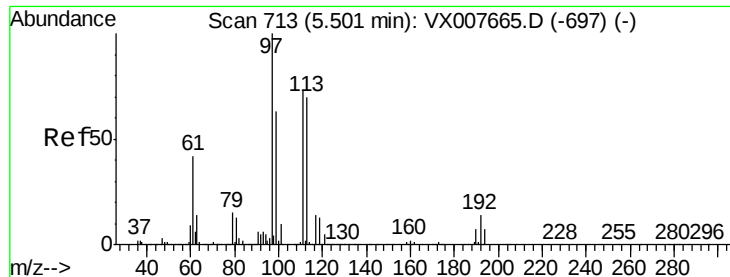
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 48.750 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX0304WBL01

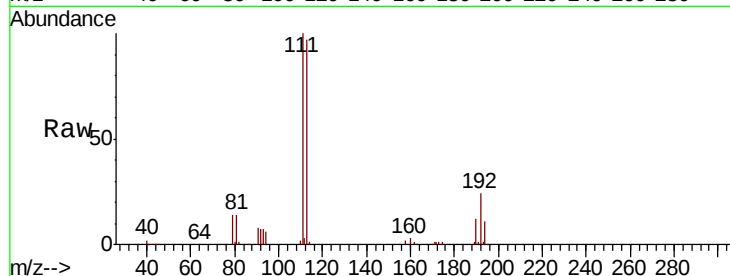
Tgt Ion:113 Resp: 166218

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

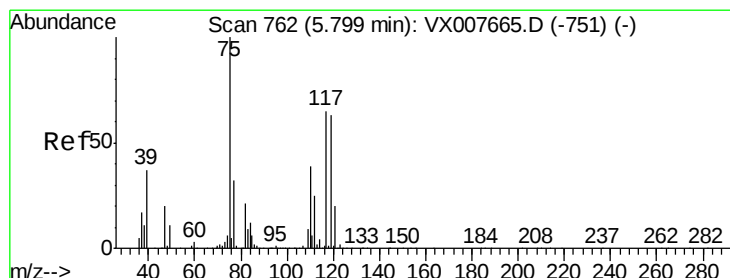
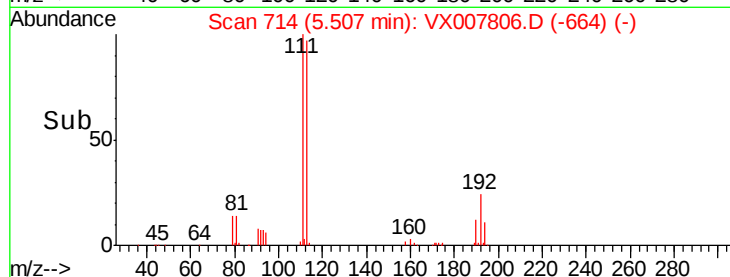
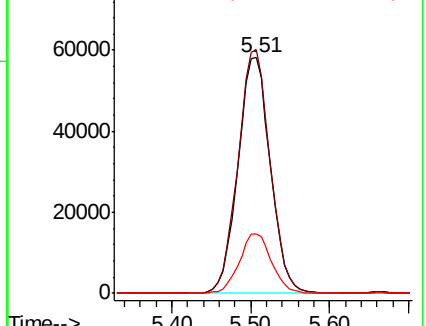
192 25.0 18.5 27.7



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: 4.563 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

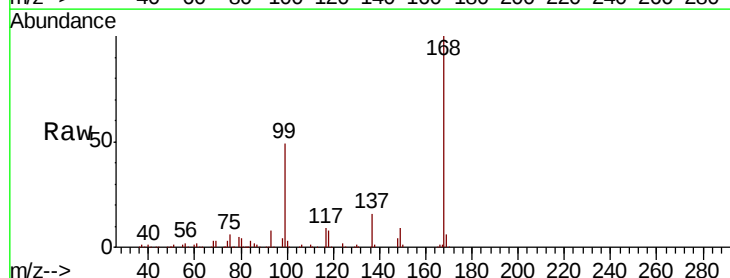
Tgt Ion: 75 Resp: 20926

Ion Ratio Lower Upper

75 100

110 8.7 20.0 59.9#

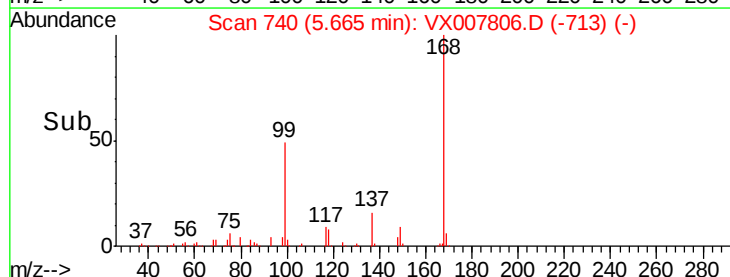
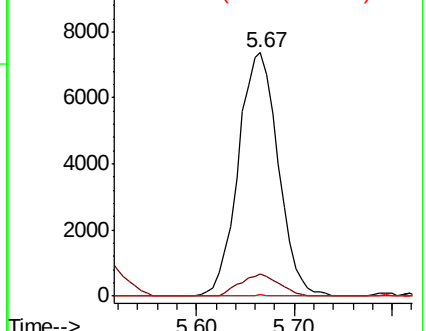
77 0.1 24.7 37.1#

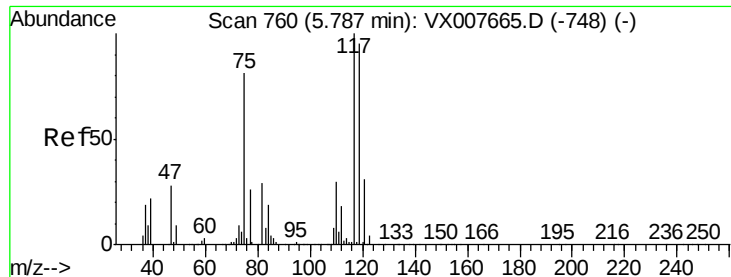


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.125 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampled :

VX0304WBL01

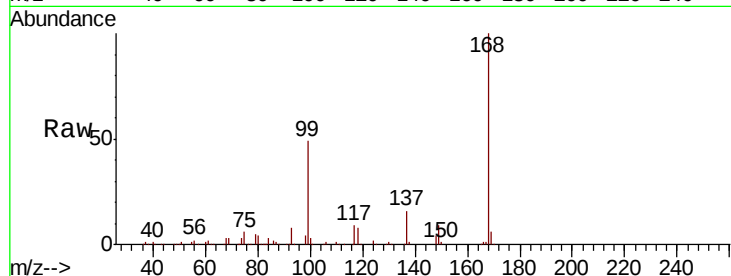
Tgt Ion: 117 Resp: 28214

Ion Ratio Lower Upper

117 100

119 5.6 75.3 112.9#

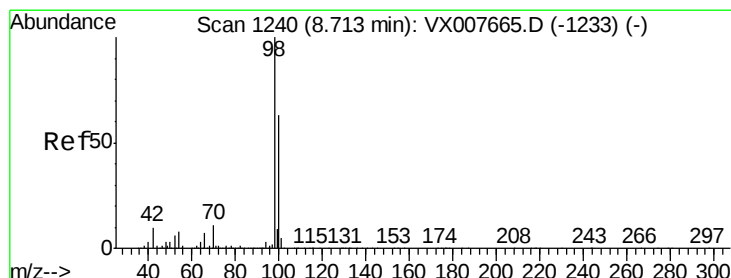
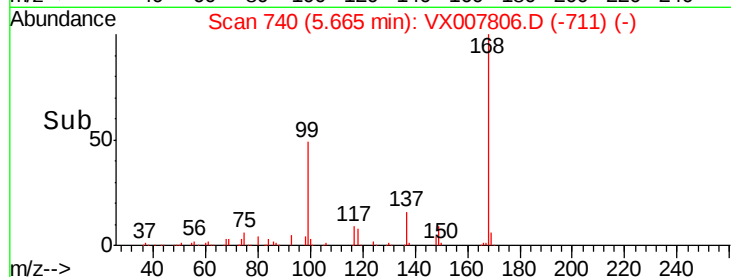
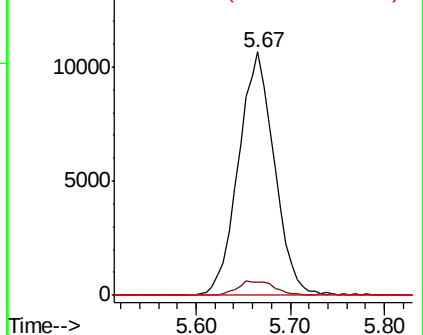
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 47.307 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007806.D

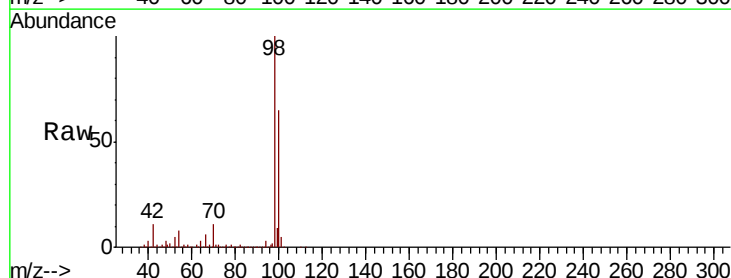
Acq: 04 Mar 2019 13:06

Tgt Ion: 98 Resp: 617516

Ion Ratio Lower Upper

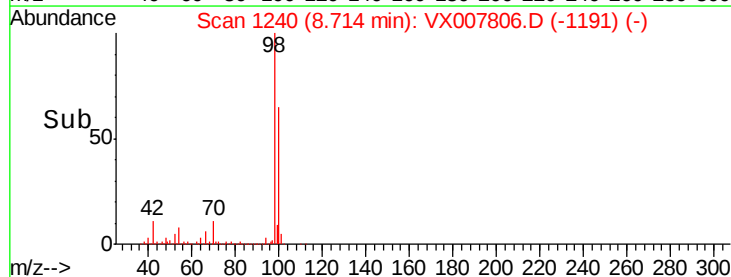
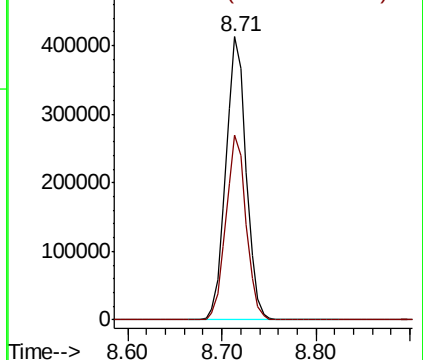
98 100

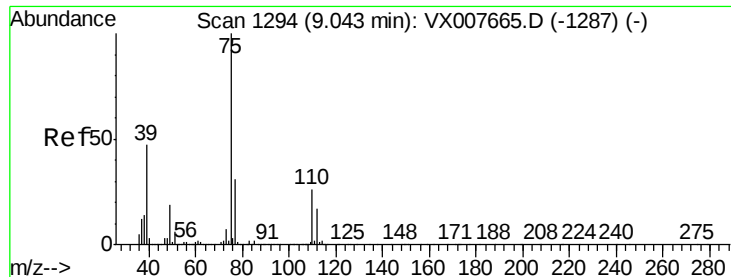
100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

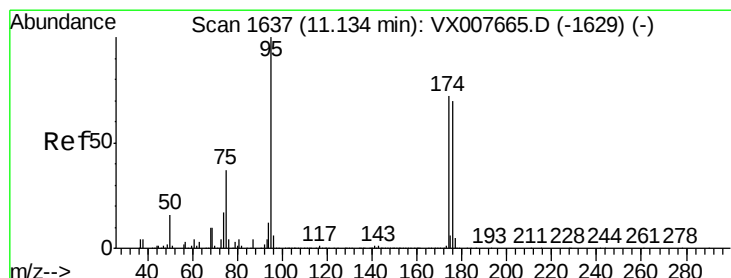
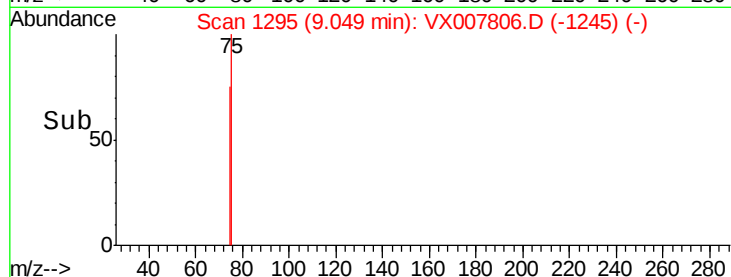
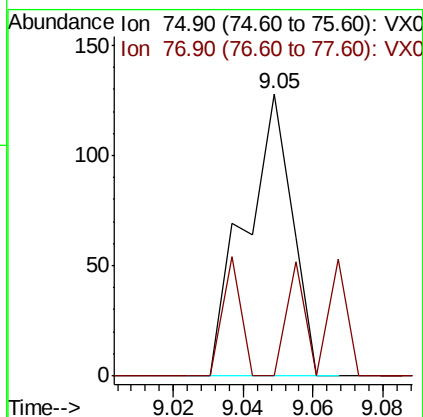
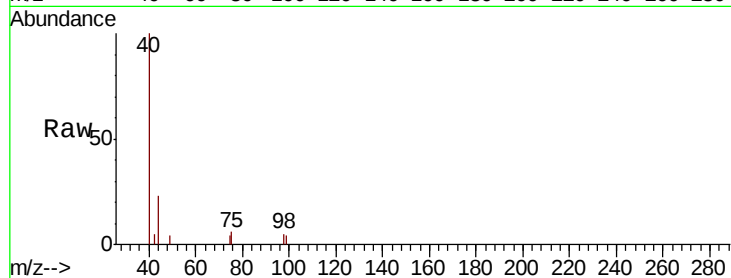




#53
t-1,3-Dichloropropene
Concen: 2.823 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

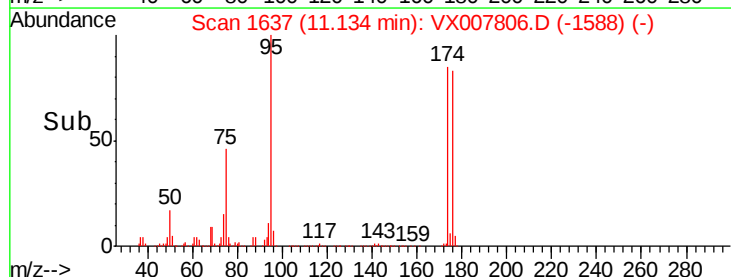
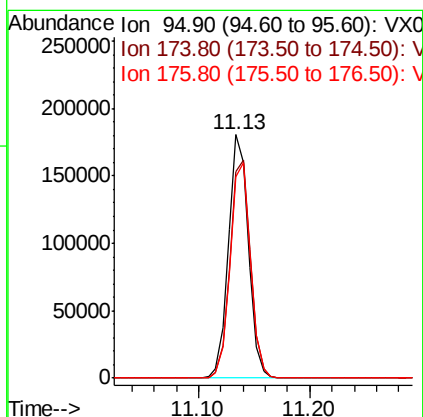
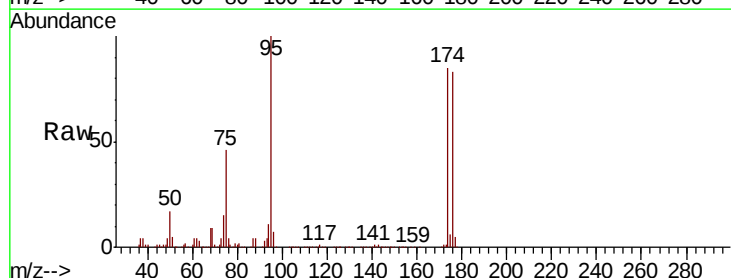
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

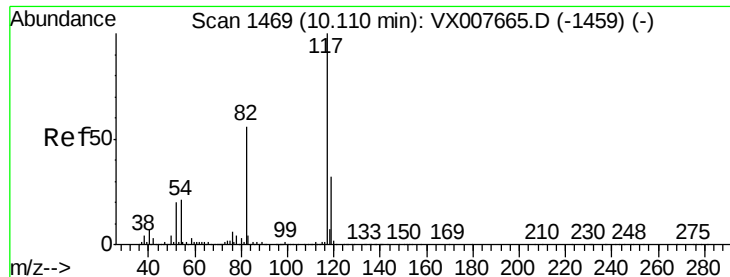
Tgt Ion: 75 Resp: 119
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#



#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

Tgt Ion: 95 Resp: 223645
Ion Ratio Lower Upper
95 100
174 92.3 0.0 189.2
176 90.1 0.0 186.2

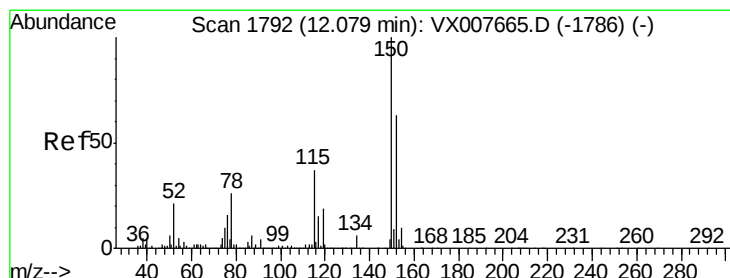
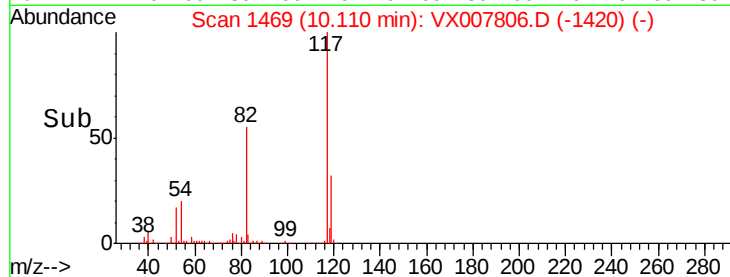
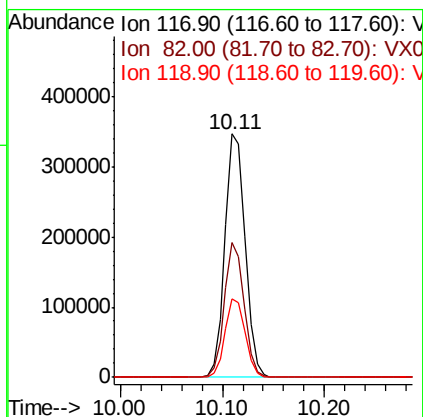
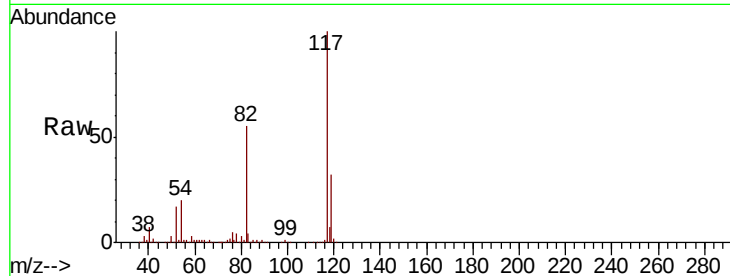




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

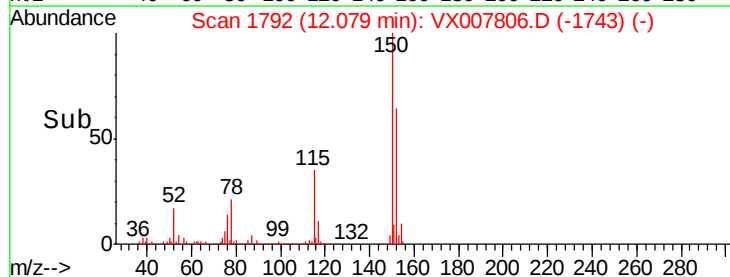
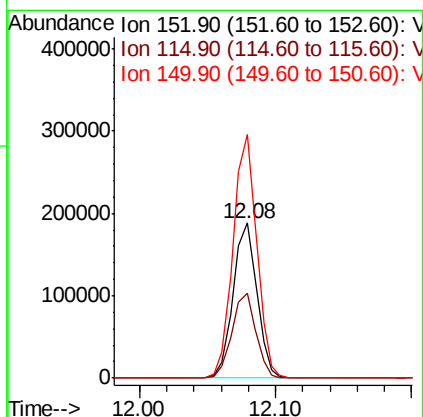
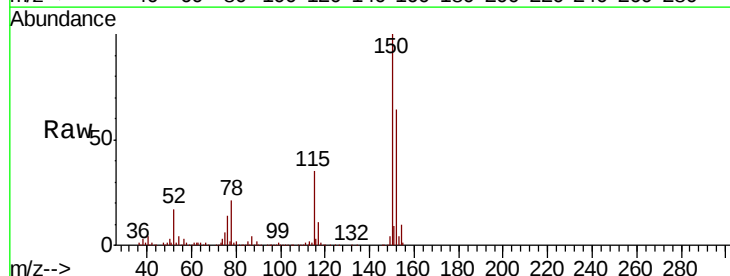
Instrument :
MSVOA_X
ClientSampleId :
VX0304WBL01

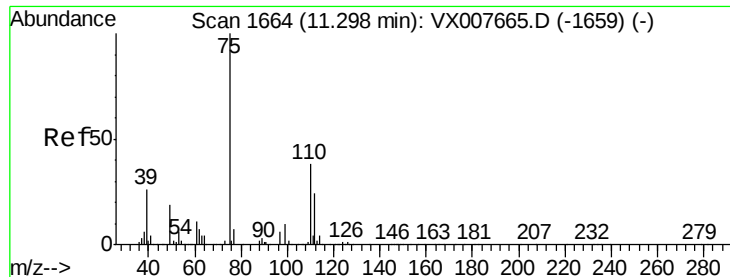
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.1	63.1
119	32.2	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007806.D
Acq: 04 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.0	114.0
150	156.7	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 20.855 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

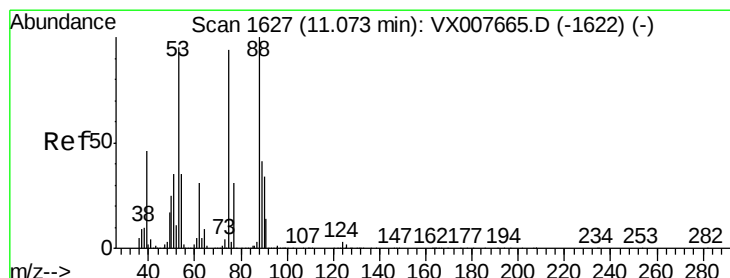
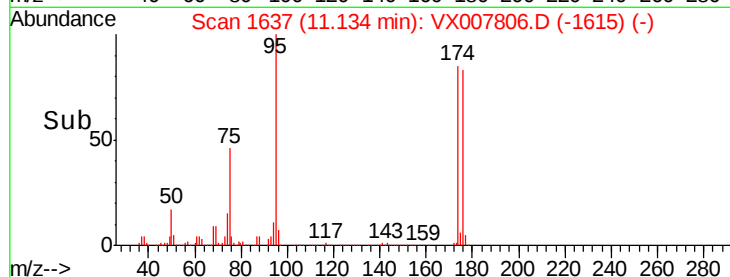
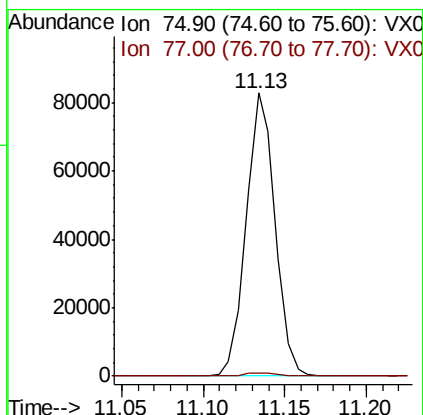
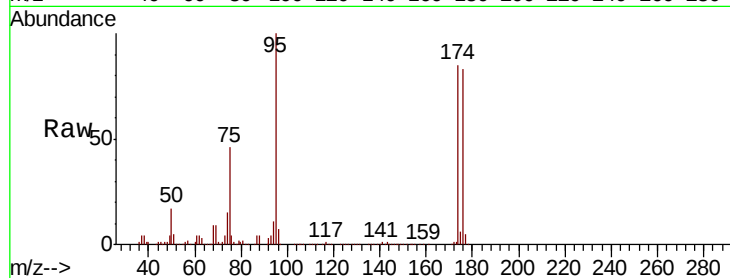
VX0304WBL01

Tgt Ion: 75 Resp: 102234

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.532 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007806.D

Acq: 04 Mar 2019 13:06

Tgt Ion: 75 Resp: 102234

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#

