

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007936.D
 Acq On : 08 Mar 2019 17:41
 Operator : JC/SP
 Sample : VX0308WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBL02

Quant Time: Mar 09 03:51:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

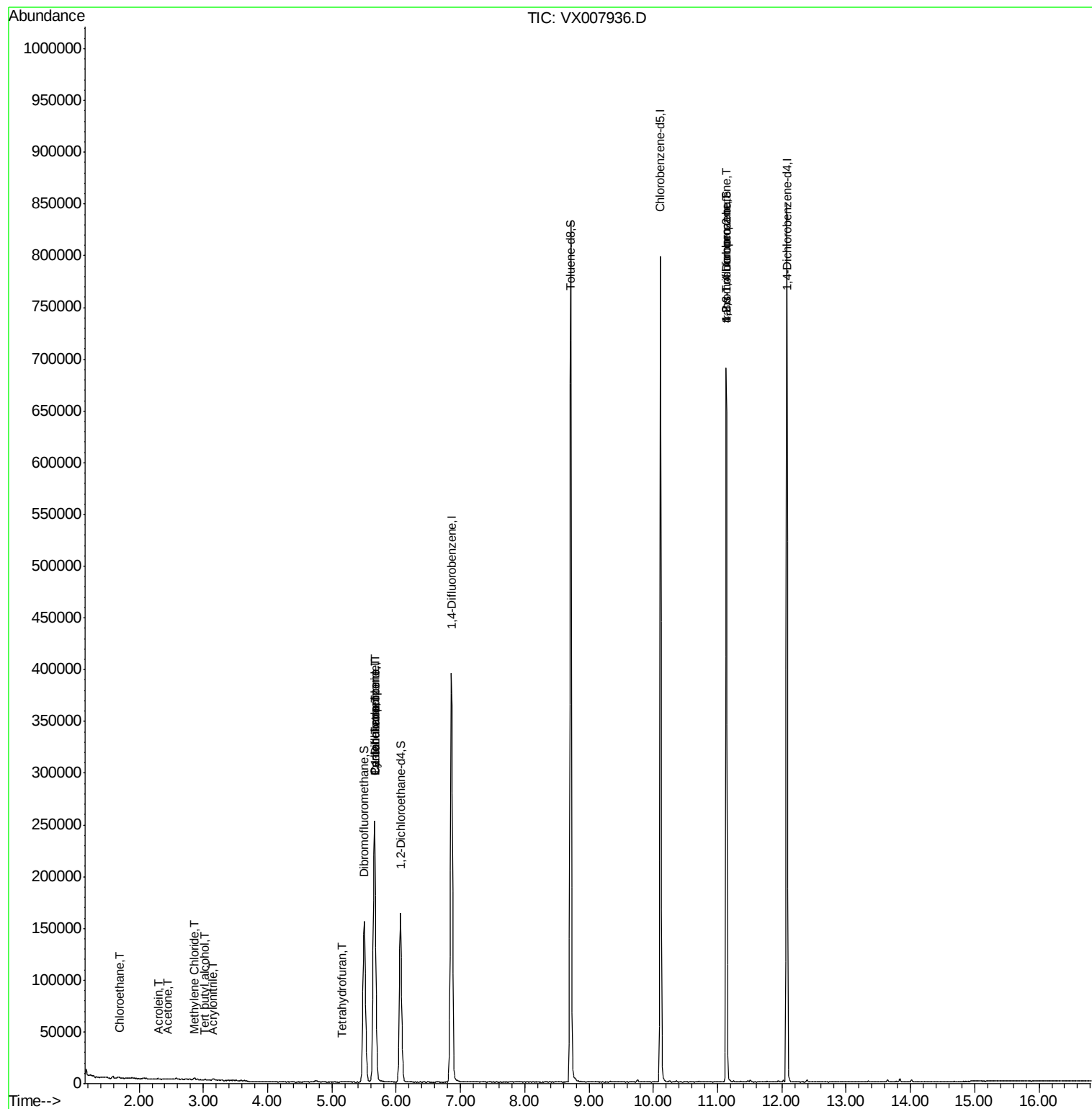
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	390178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189178	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	146456	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
35) Dibromofluoromethane	5.50	113	134354	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
50) Toluene-d8	8.71	98	503250	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.13	95	183785	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.86%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.66	94	685	Below Cal		86
6) Chloroethane	1.71	64	1259	0.653 ug/l #		45
11) Tert butyl alcohol	3.02	59	300	0.479 ug/l #		73
13) Acrolein	2.29	56	236	2.204 ug/l		94
15) Acrylonitrile	3.15	53	583	0.369 ug/l #		81
16) Acetone	2.44	43	532	0.329 ug/l #		85
17) Carbon Disulfide	2.57	76	2079	Below Cal #		91
20) Methylene Chloride	2.86	84	584	0.227 ug/l #		70
29) Tetrahydrofuran	5.17	42	411	0.287 ug/l #		56
31) Cyclohexane	5.66	56	4424	1.029 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16563	4.380 ug/l #		49
38) Carbon Tetrachloride	5.67	117	22623	6.301 ug/l #		16
76) 1,2,3-Trichloropropane	11.13	75	85050	21.425 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	85050	68.483 ug/l #		11

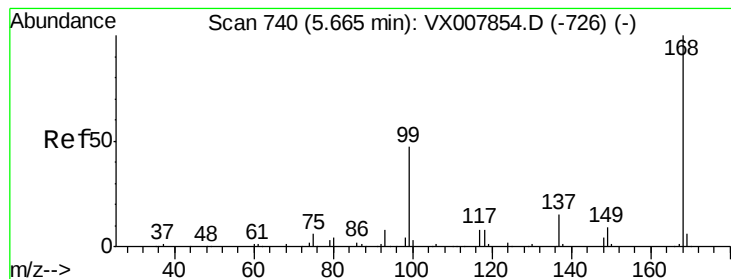
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

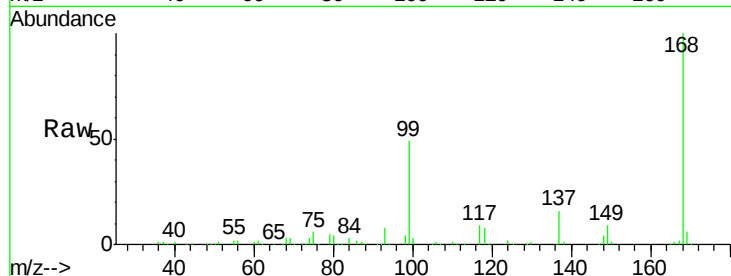
VX0308WBL02

Tot Ion:168 Resp: 265226

Ion Ratio Lower Upper

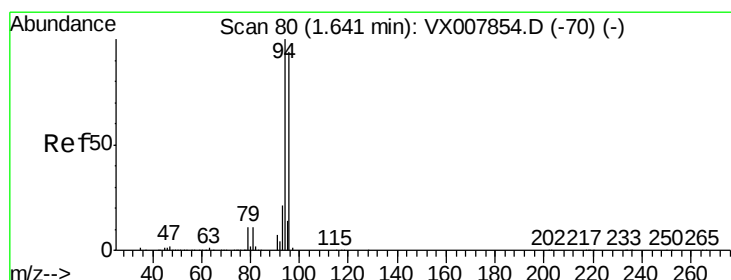
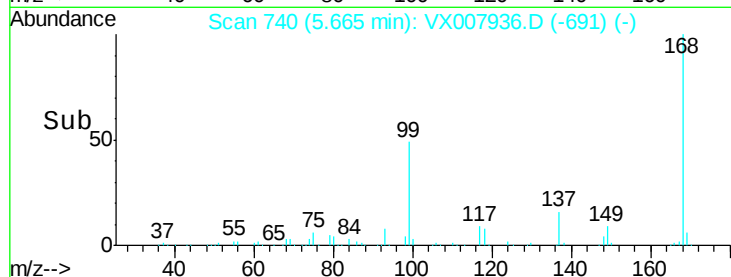
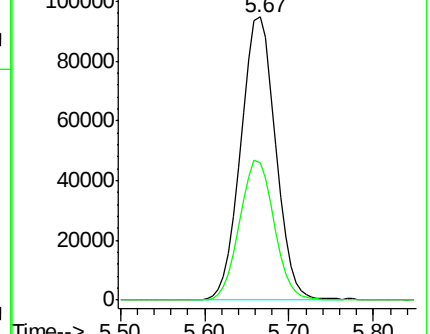
168 100

99 48.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007936.D

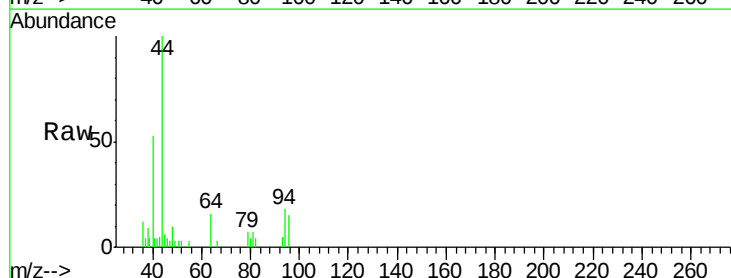
Acq: 08 Mar 2019 17:41

Tgt Ion: 94 Resp: 685

Ion Ratio Lower Upper

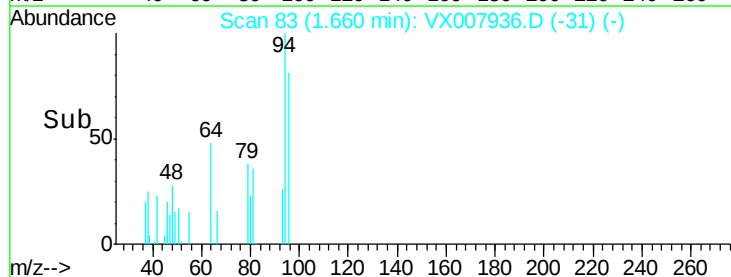
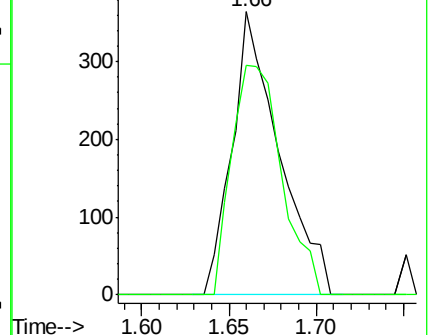
94 100

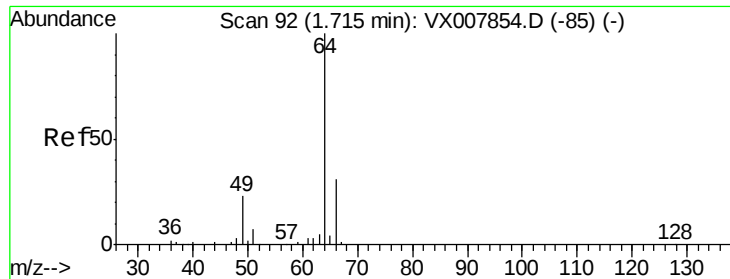
96 81.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.653 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

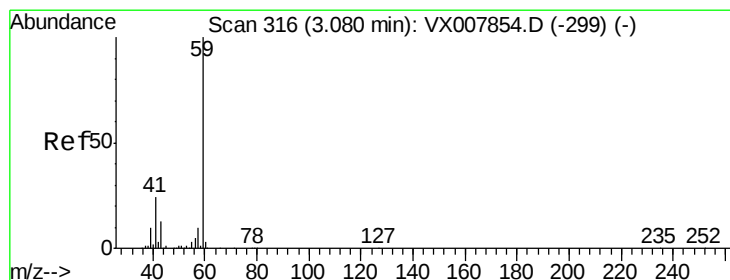
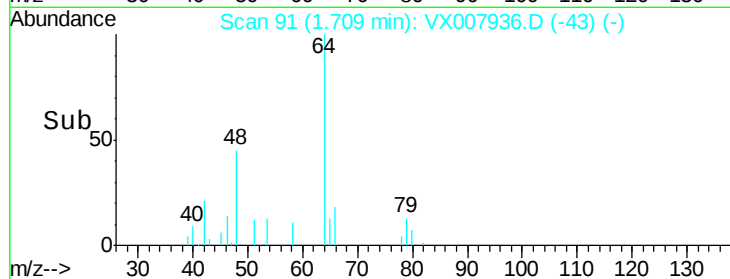
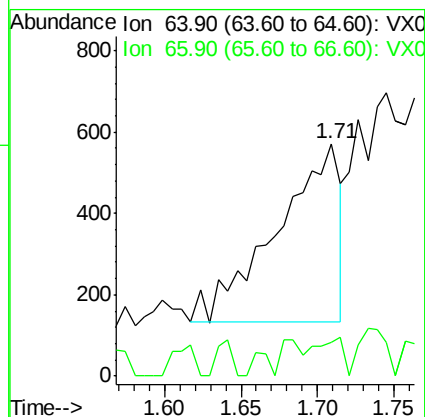
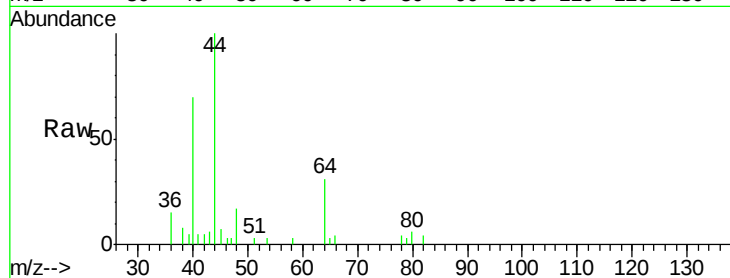
VX0308WBL02

Tot Ion: 64 Resp: 1259

Ion Ratio Lower Upper

64 100

66 1.1 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.479 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007936.D

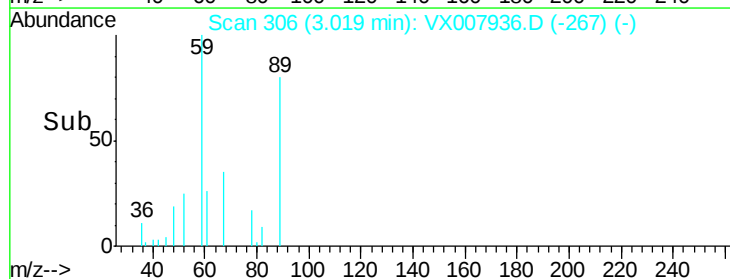
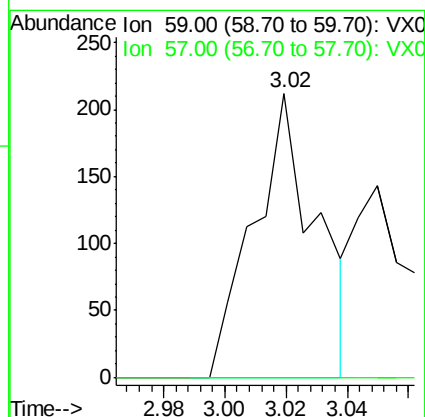
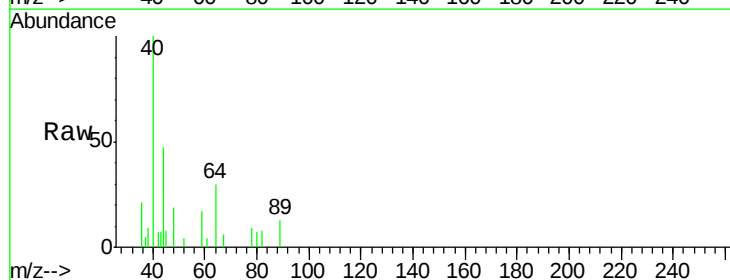
Acq: 08 Mar 2019 17:41

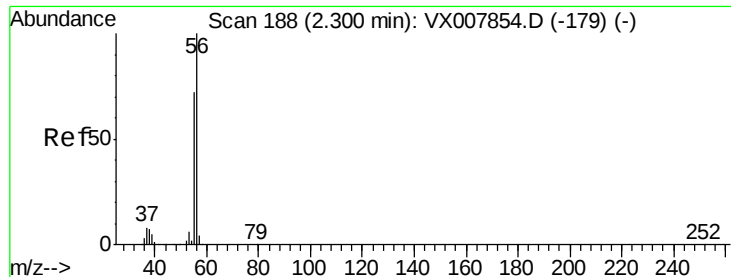
Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 2.204 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

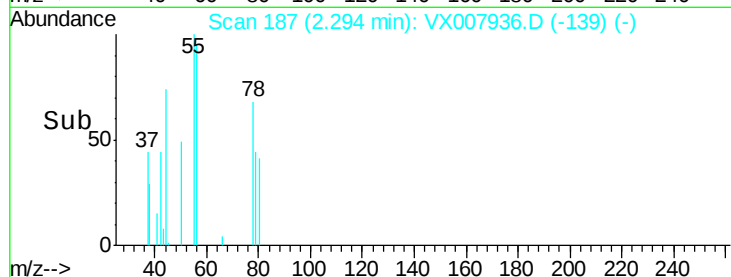
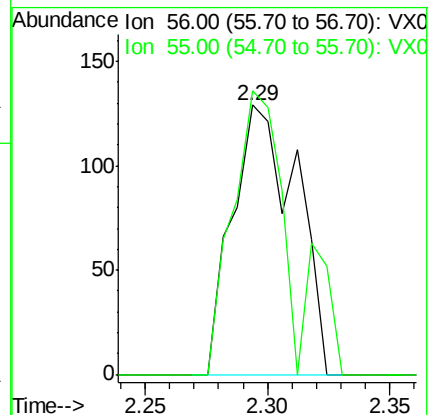
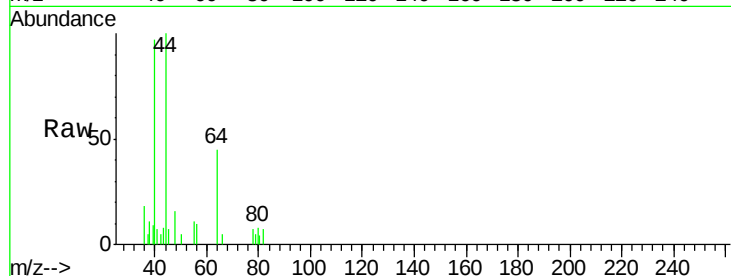
VX0308WBL02

Tot Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 77.5 57.8 86.6



#15

Acrylonitrile

Concen: 0.369 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

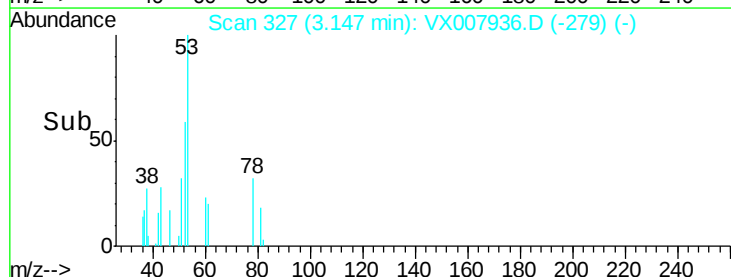
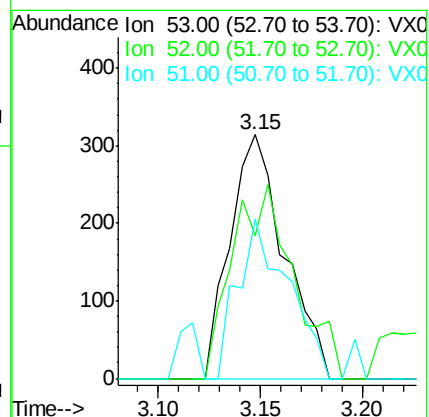
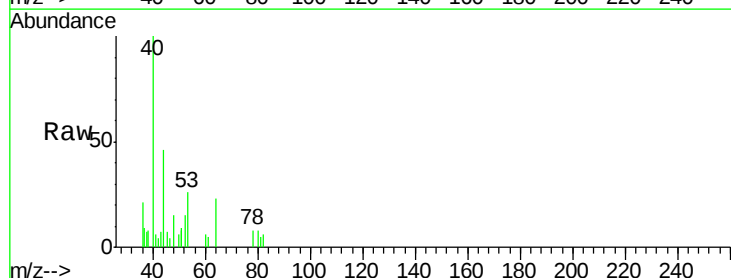
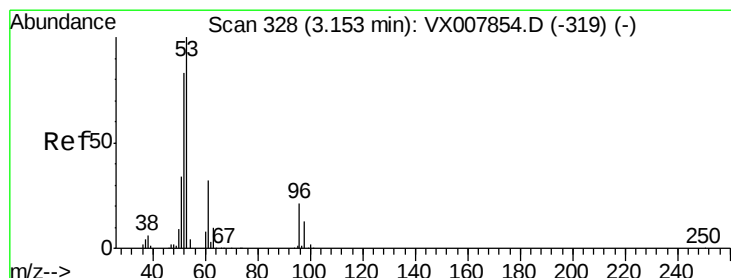
Tgt Ion: 53 Resp: 583

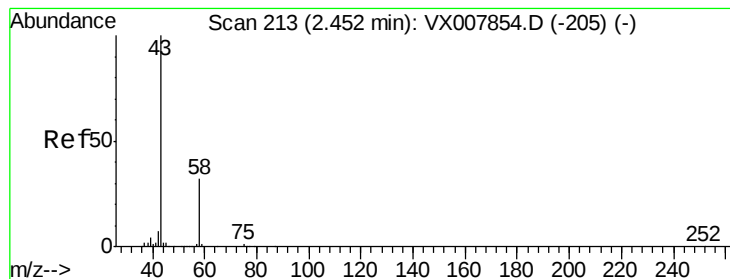
Ion Ratio Lower Upper

53 100

52 89.2 66.0 99.0

51 61.1 28.0 42.0#





#16

Acetone

Concen: 0.329 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

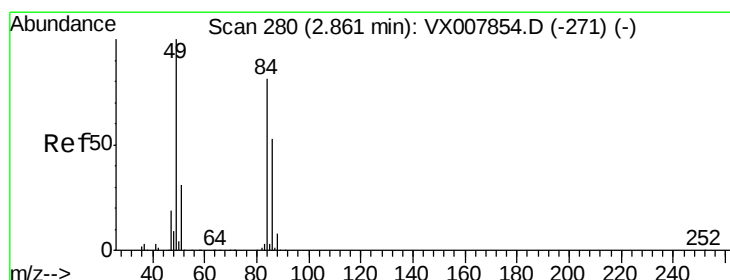
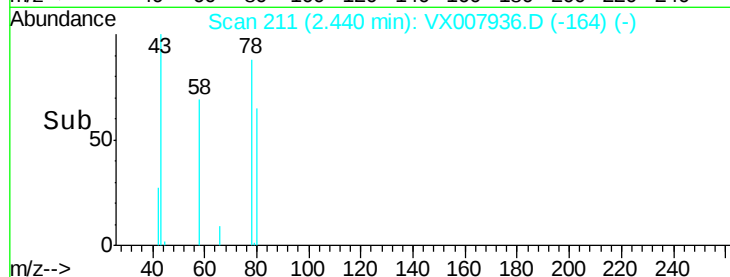
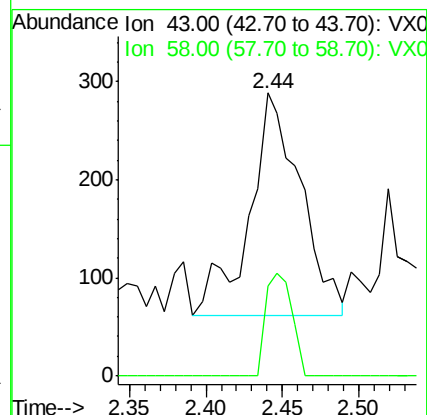
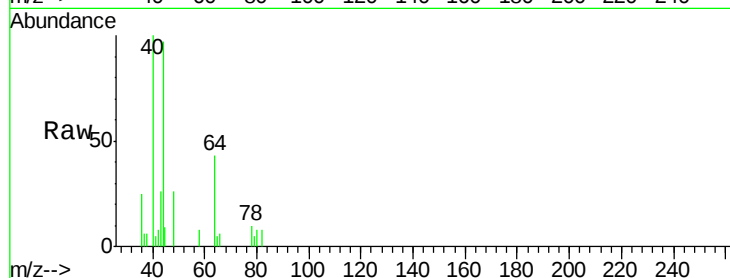
VX0308WBL02

Tot Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 40.1 25.5 38.3#



#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Tgt Ion: 84 Resp: 584

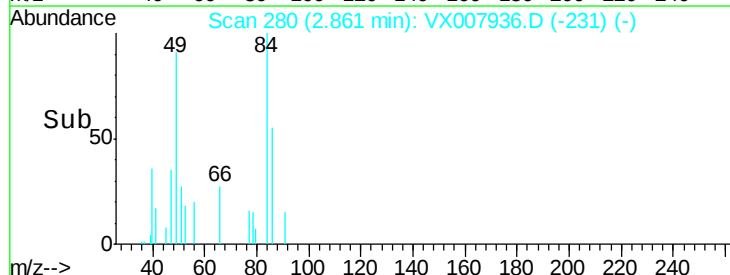
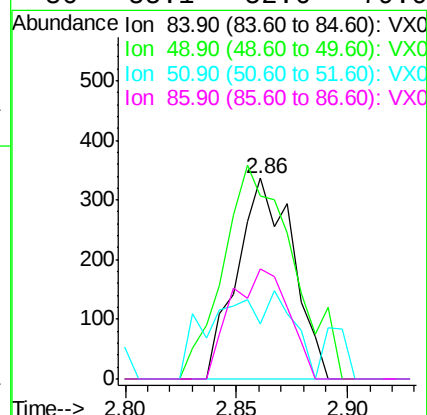
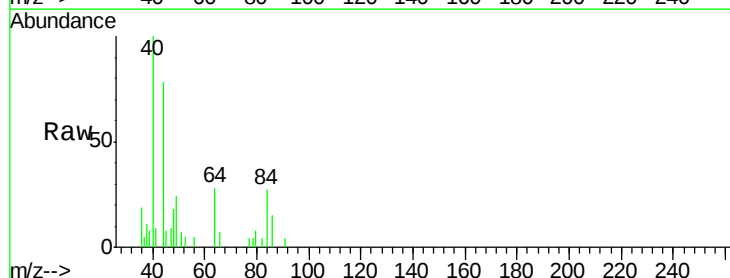
Ion Ratio Lower Upper

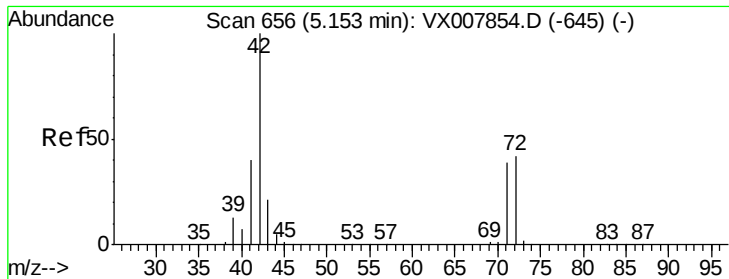
84 100

49 91.1 99.3 148.9#

51 2.7 31.3 46.9#

86 55.1 52.6 79.0

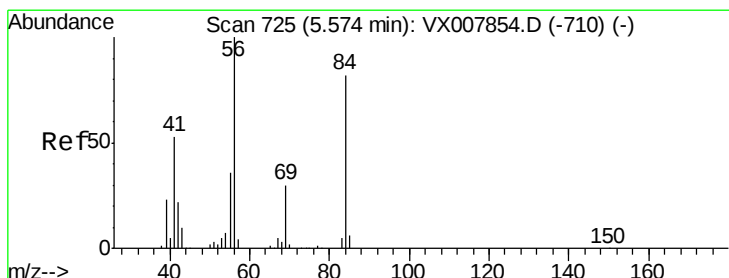
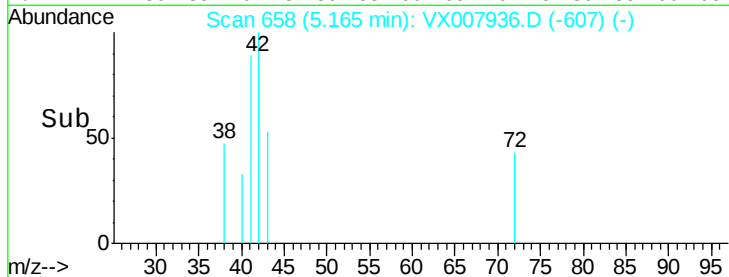
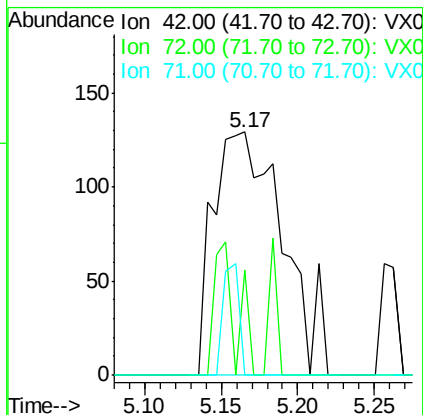
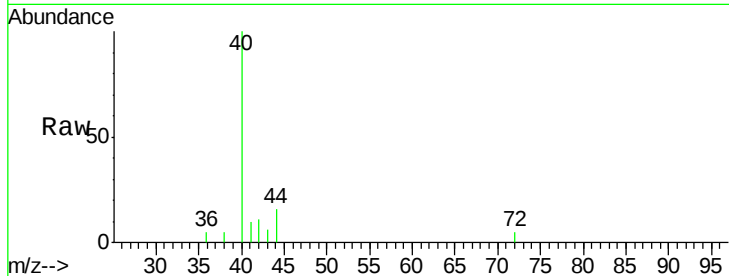




#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX007936.D
Acq: 08 Mar 2019 17:41

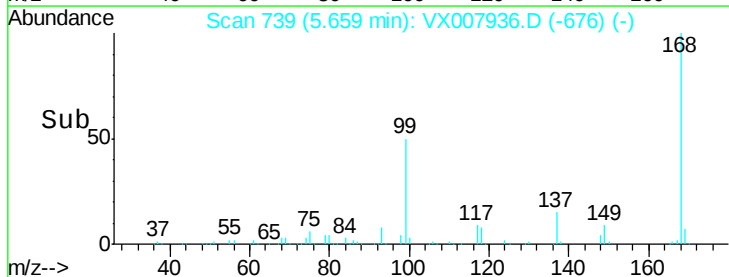
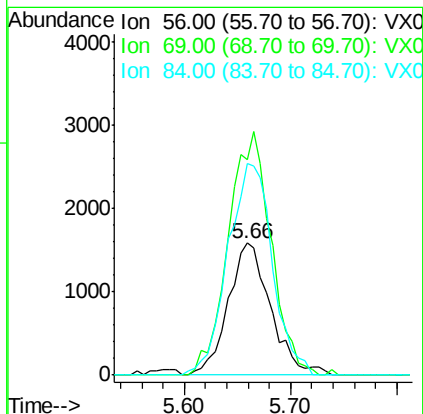
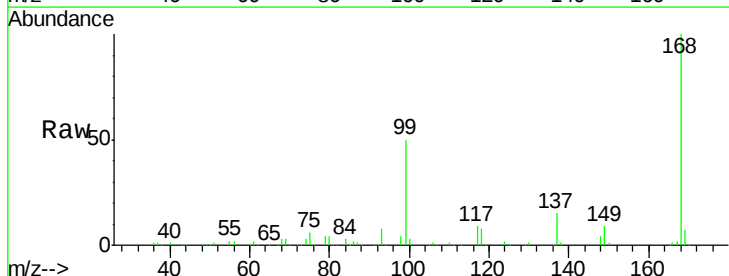
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBL02

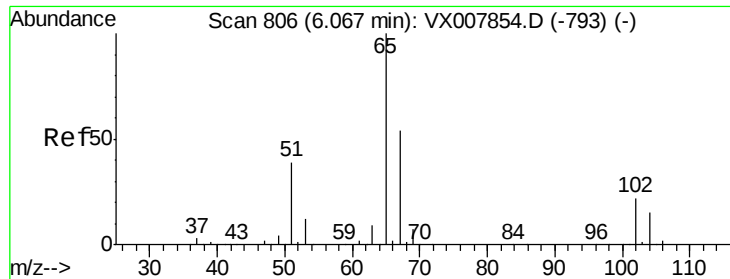
Tot Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 17.0 33.8 50.6#
71 10.2 31.5 47.3#



#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007936.D
Acq: 08 Mar 2019 17:41

Tgt Ion: 56 Resp: 4424
Ion Ratio Lower Upper
56 100
69 162.5 24.0 36.0#
84 160.1 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 52.345 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

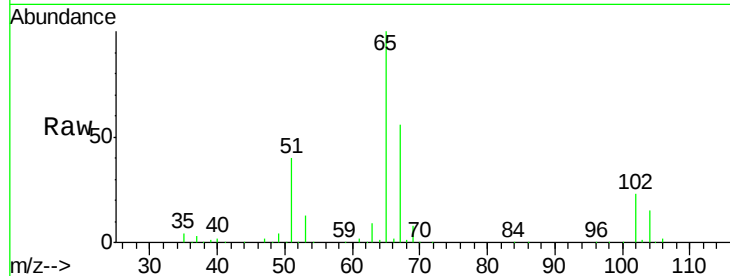
VX0308WBL02

Tot Ion: 65 Resp: 146456

Ion Ratio Lower Upper

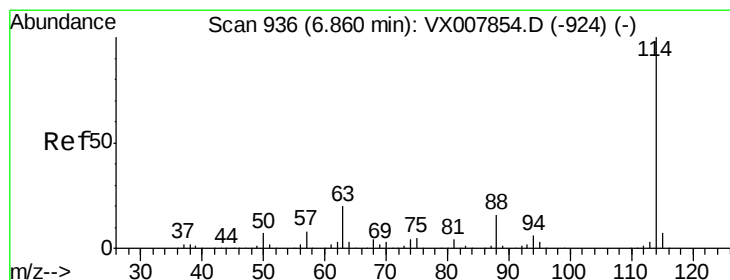
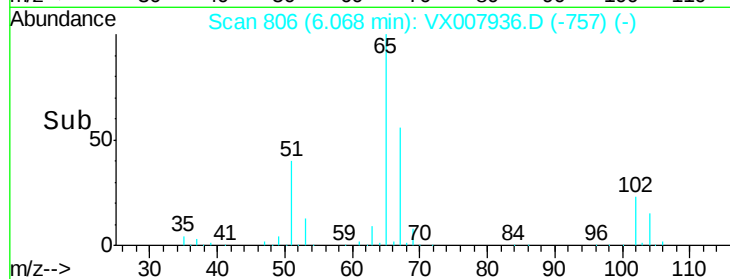
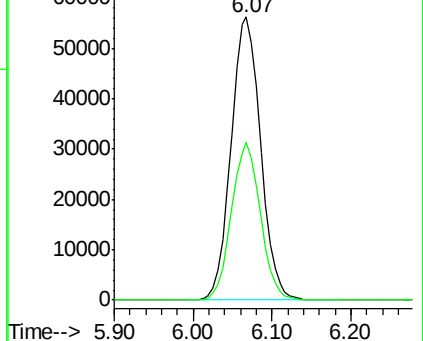
65 100

67 54.7 0.0 110.0



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: VX007936.D

Acq: 08 Mar 2019 17:41

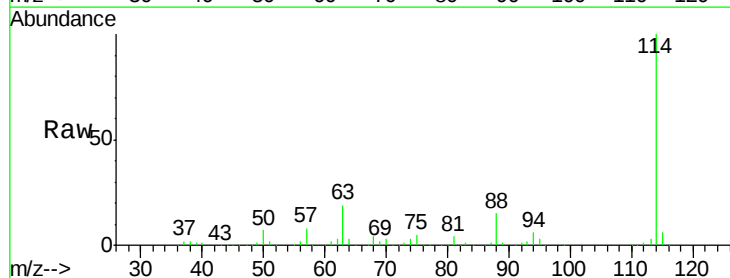
Tgt Ion: 114 Resp: 417639

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

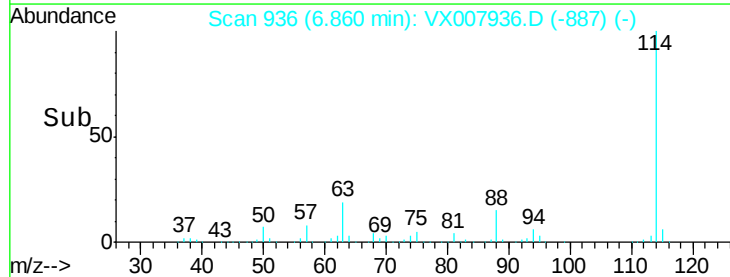
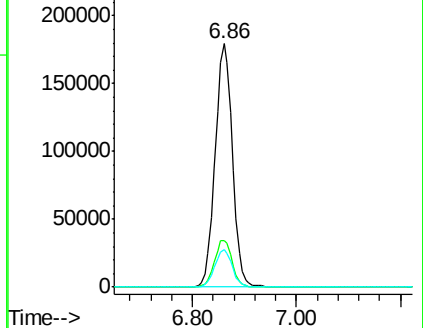
88 15.3 0.0 31.4

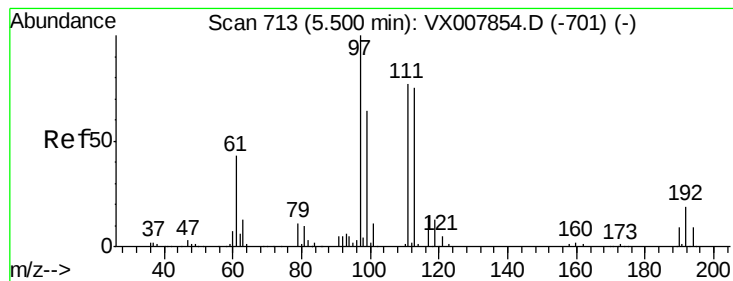


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.292 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBL02

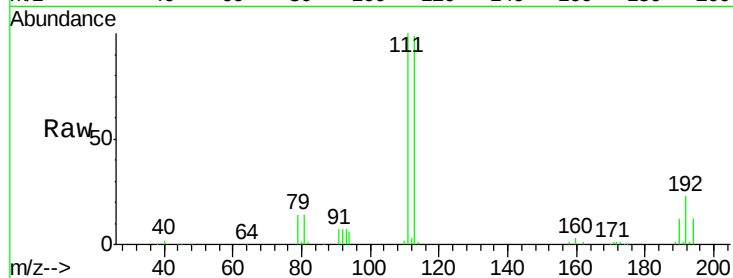
Tot Ion:113 Resp: 134354

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

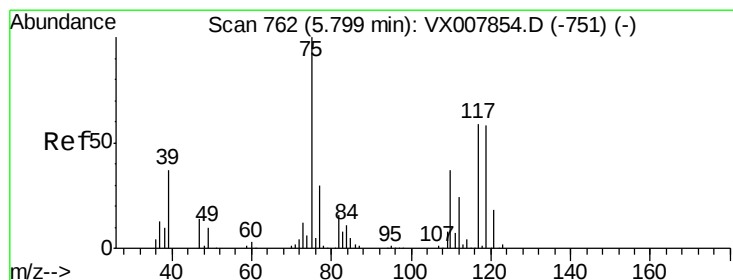
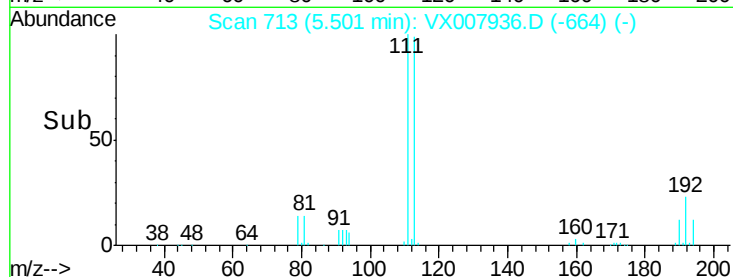
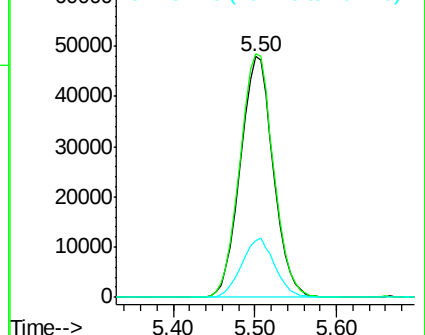
192 24.6 19.4 29.0



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: 4.380 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

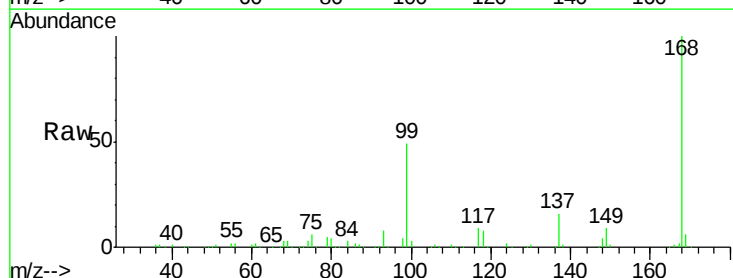
Tgt Ion: 75 Resp: 16563

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

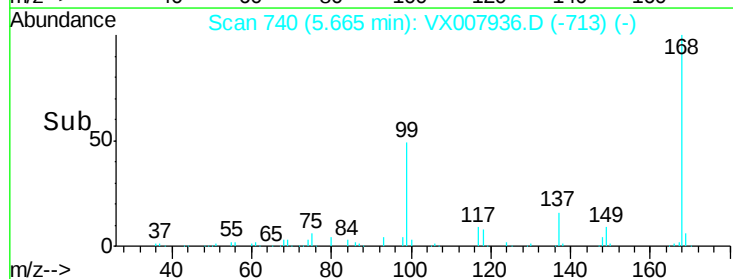
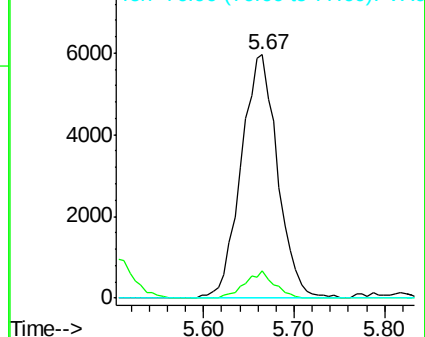
77 0.0 25.0 37.4#

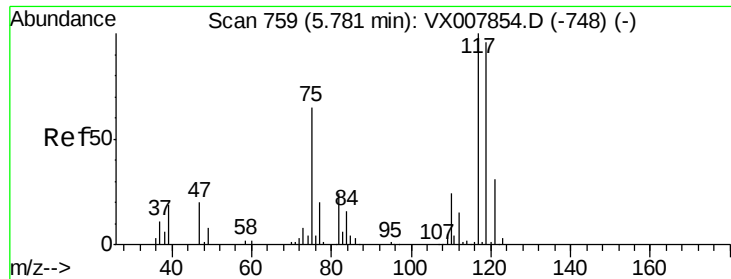


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.301 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBL02

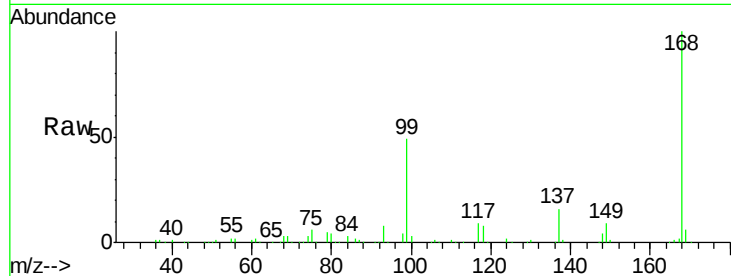
Tot Ion:117 Resp: 22623

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

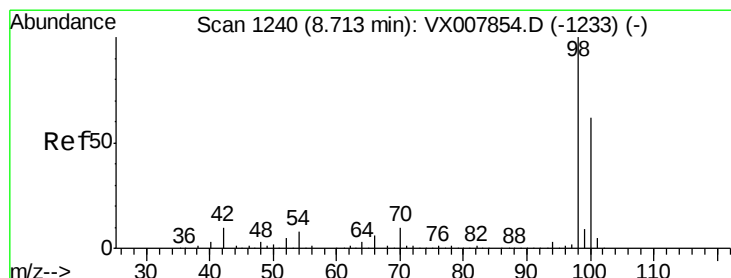
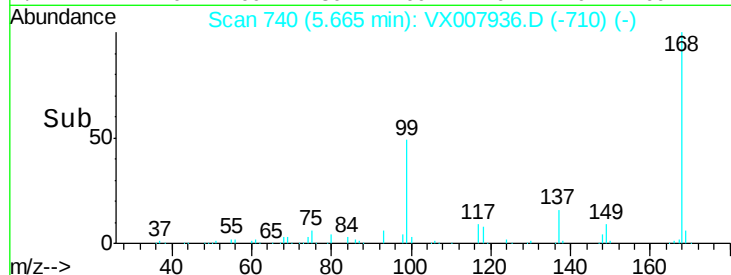
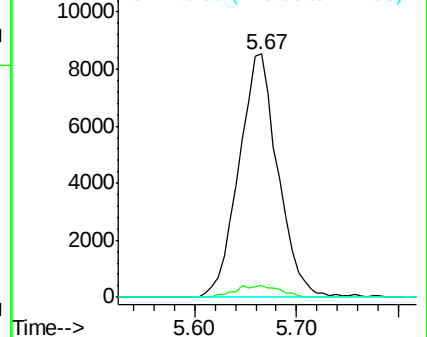
121 0.0 24.6 36.8#



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: 51.293 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007936.D

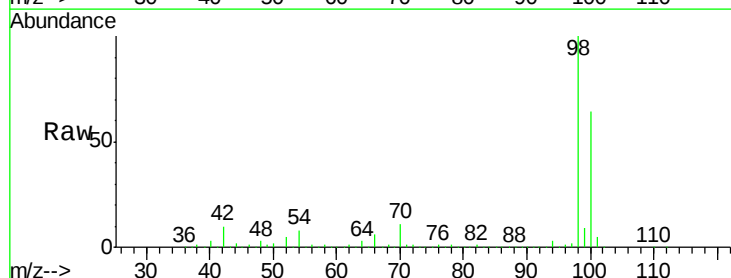
Acq: 08 Mar 2019 17:41

Tgt Ion: 98 Resp: 503250

Ion Ratio Lower Upper

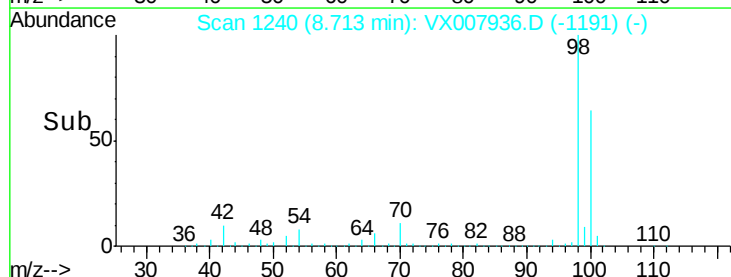
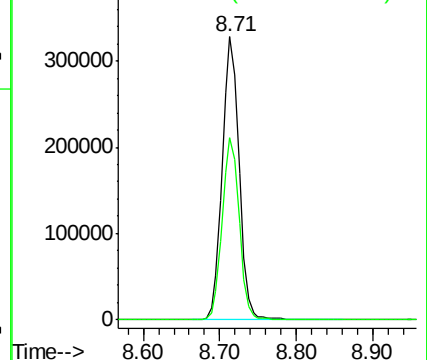
98 100

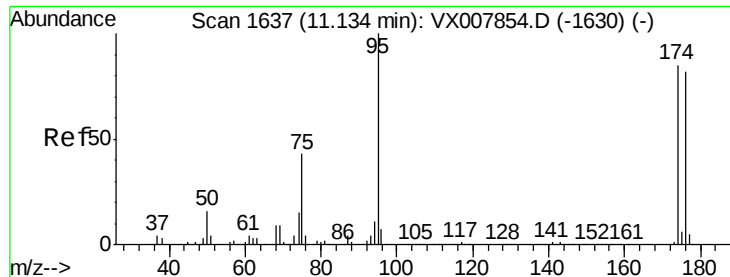
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

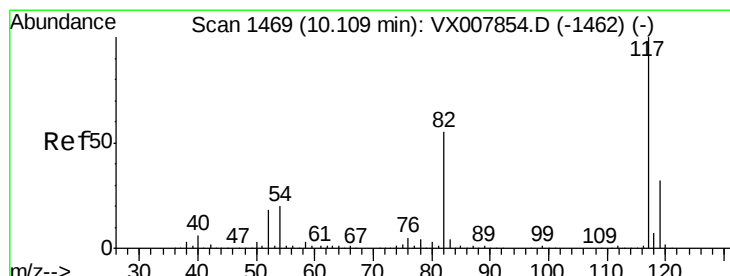
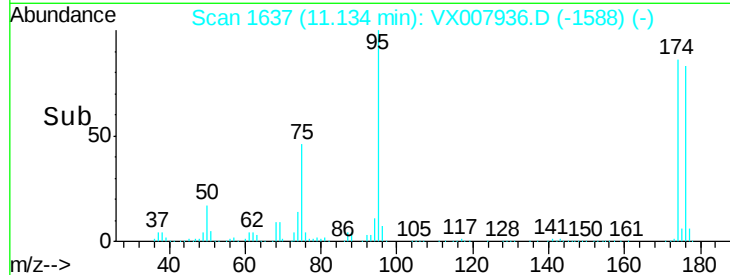
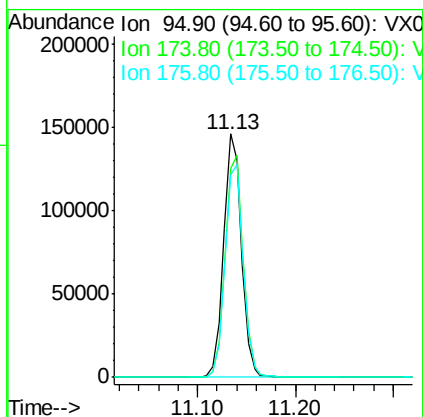
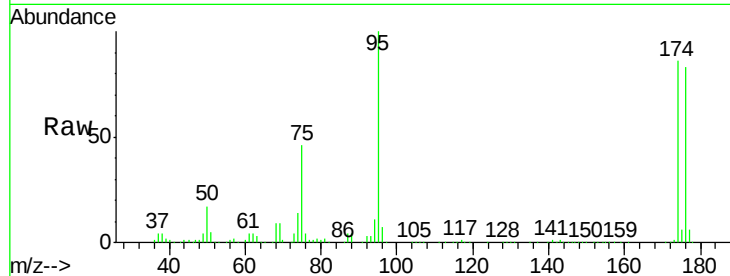




#62
4-Bromofluorobenzene
Concen: 53.428 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007936.D
Acq: 08 Mar 2019 17:41

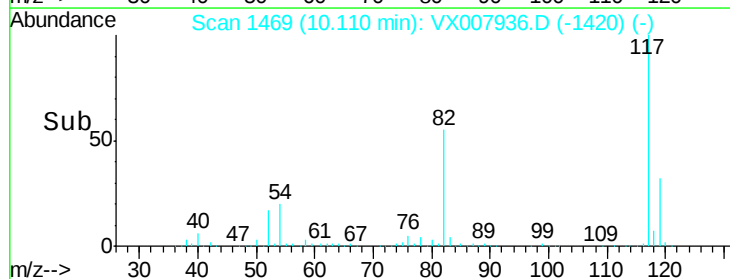
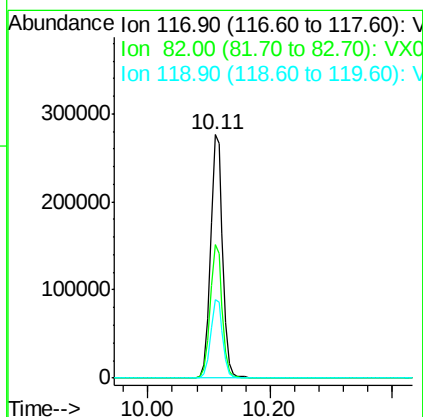
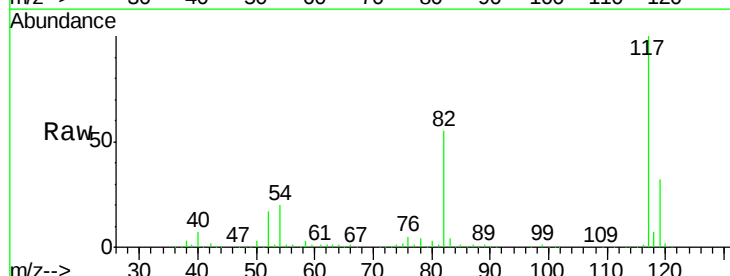
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBL02

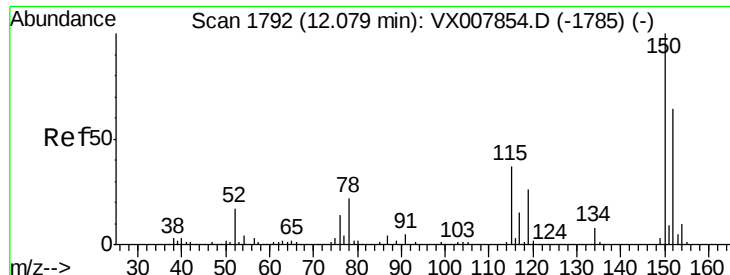
Tot Ion: 95 Resp: 183785
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.8
176 89.4 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007936.D
Acq: 08 Mar 2019 17:41

Tgt Ion: 117 Resp: 390178
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBL02

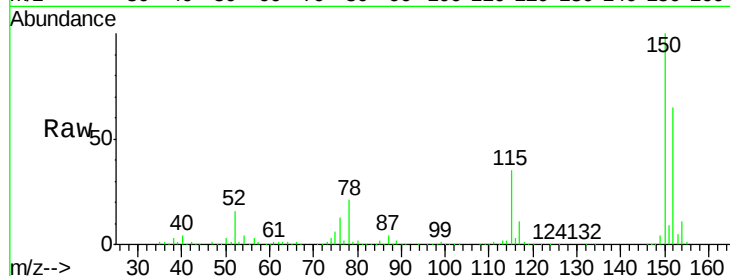
Tot Ion:152 Resp: 189178

Ion Ratio Lower Upper

152 100

115 55.3 38.6 115.7

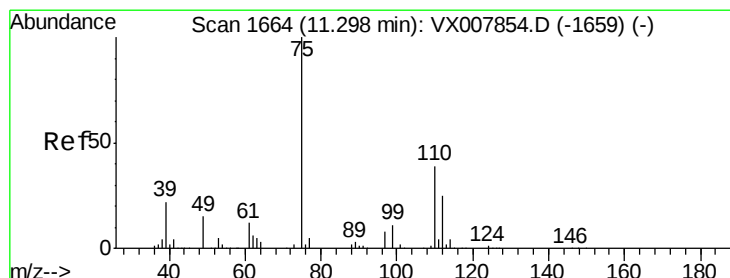
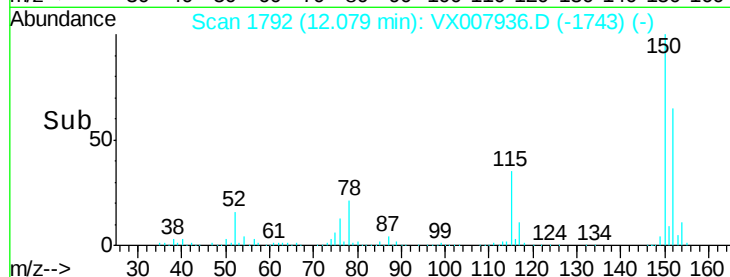
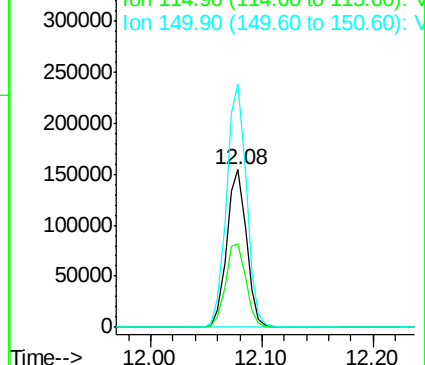
150 156.3 0.0 348.4



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: 21.425 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007936.D

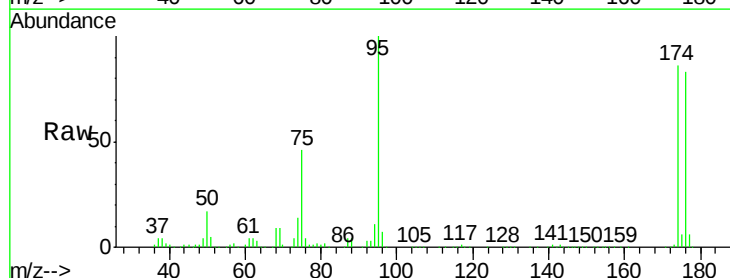
Acq: 08 Mar 2019 17:41

Tgt Ion: 75 Resp: 85050

Ion Ratio Lower Upper

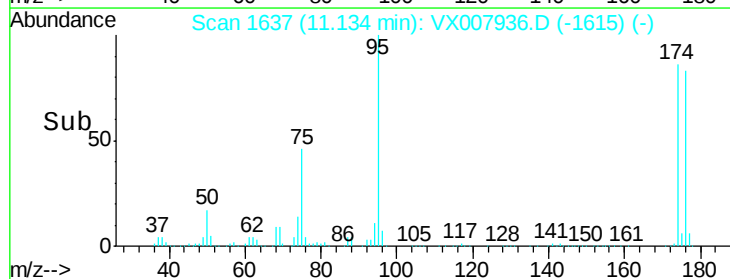
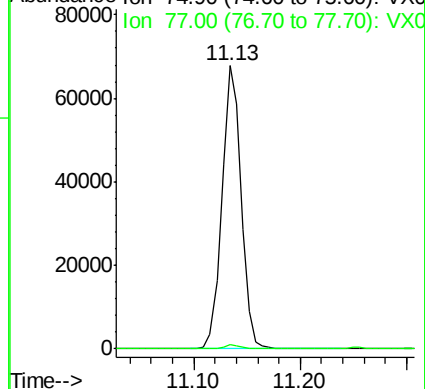
75 100

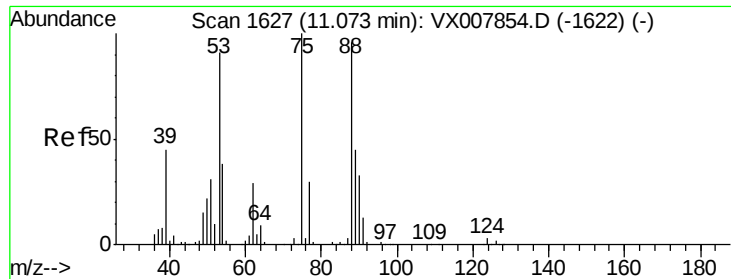
77 1.2 18.9 56.7#



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: 68.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007936.D

Acq: 08 Mar 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBL02

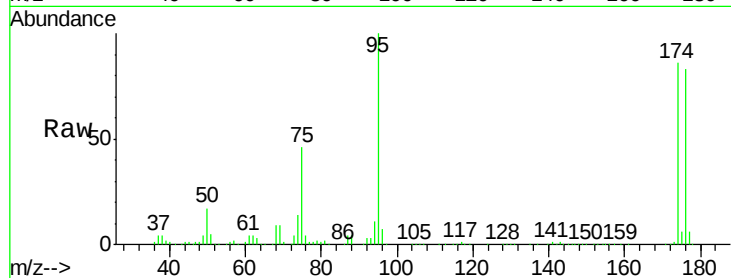
Tot Ion: 75 Resp: 85050

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

