

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000464.D
 Acq On : 27 Mar 2018 17:47
 Operator : JC/MD
 Sample : J2071-09 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-DB

Quant Time: Mar 28 06:53:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	103308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	181776	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	88817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	74147	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	5.51	113	59495	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	8.73	98	226025	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.15	95	77713	40.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.32%	

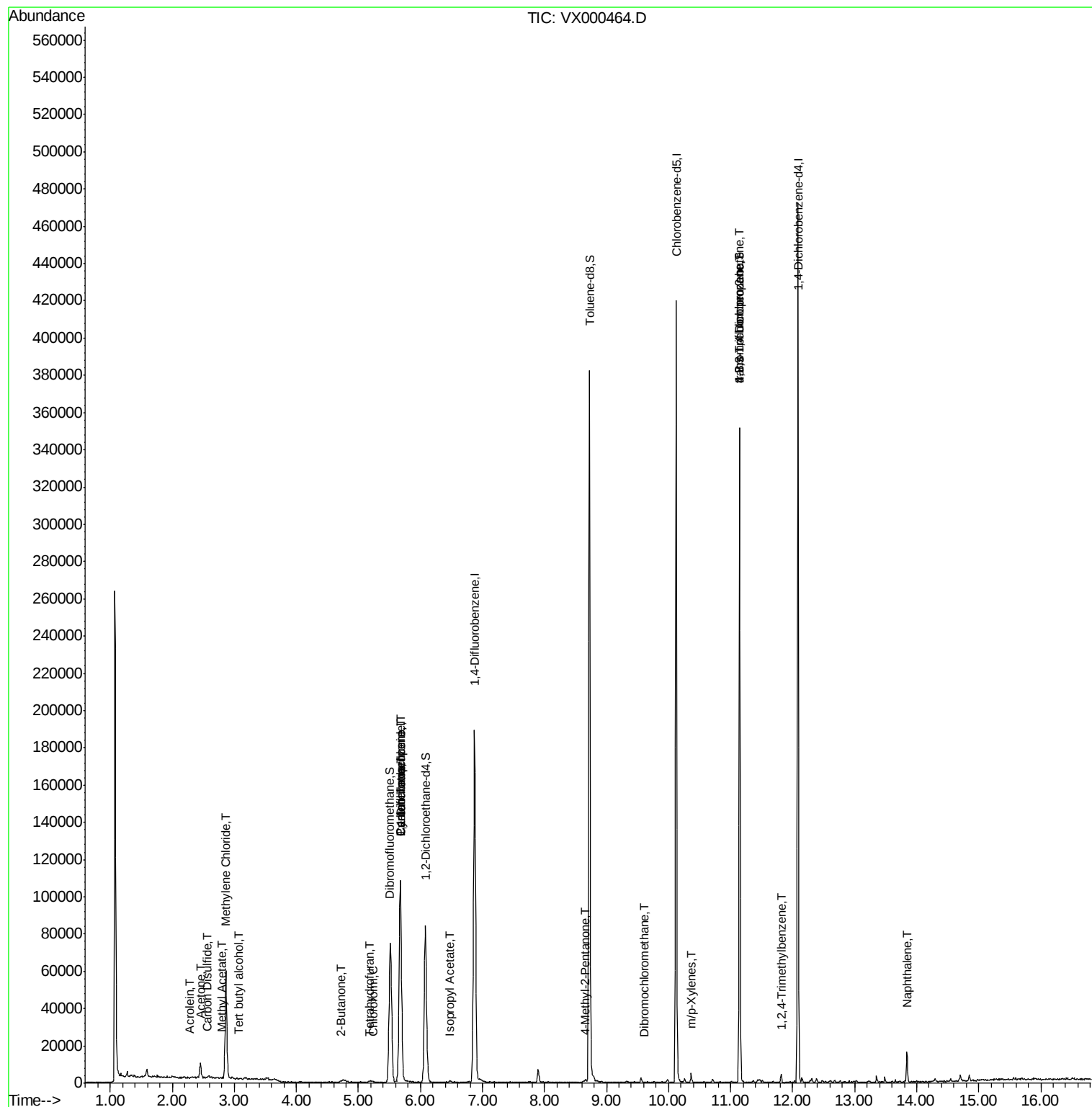
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	295	Below Cal		96
11) Tert butyl alcohol	3.06	59	255	0.55 ug/l	#	61
13) Acrolein	2.28	56	42	14.85 ug/l	#	1
16) Acetone	2.45	43	9372	8.35 ug/l		99
17) Carbon Disulfide	2.57	76	614	0.22 ug/l	#	68
18) Methyl Acetate	2.80	43	512	0.22 ug/l	#	51
20) Methylene Chloride	2.87	84	24611	18.99 ug/l		96
25) 2-Butanone	4.72	43	1720	1.36 ug/l		95
29) Tetrahydrofuran	5.18	42	479	0.62 ug/l	#	67
30) Chloroform	5.23	83	666	0.32 ug/l	#	63
31) Cyclohexane	5.67	56	2747	1.61 ug/l	#	11
36) 1,1-Dichloropropene	5.68	75	8147	4.78 ug/l	#	52
38) Carbon Tetrachloride	5.68	117	9753	5.46 ug/l	#	16
43) Isopropyl Acetate	6.48	43	1358	0.39 ug/l	#	72
51) 4-Methyl-2-Pentanone	8.66	43	1166	0.44 ug/l	#	71
60) Dibromochloromethane	9.60	129	27	4.13 ug/l	#	24
68) m/p-Xylenes	10.37	106	1135	0.44 ug/l		92
74) N-amyl acetate	6.48	43	1358	Below Cal	#	71
76) 1,2,3-Trichloropropane	11.15	75	44403	23.26 ug/l	#	35
81) trans-1,4-Dichloro-2-buten	11.15	75	44403	75.31 ug/l	#	9
84) 1,2,4-Trimethylbenzene	11.81	105	1931	0.37 ug/l		95
95) Naphthalene	13.84	128	9089	1.25 ug/l		98

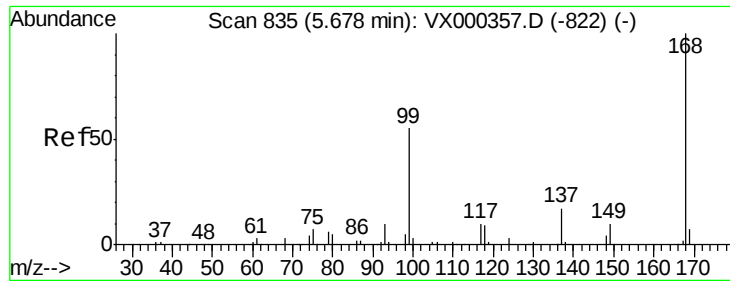
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
Data File : VX000464.D
Acq On : 27 Mar 2018 17:47
Operator : JC/MD
Sample : J2071-09 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-7-DB

Quant Time: Mar 28 06:53:22 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

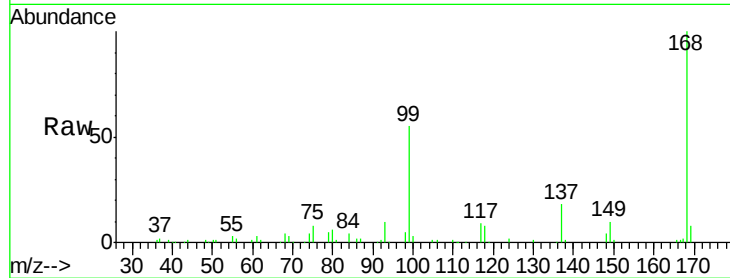
TP-7-DB

Tgt Ion:168 Resp: 103308

Ion Ratio Lower Upper

168 100

99 55.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

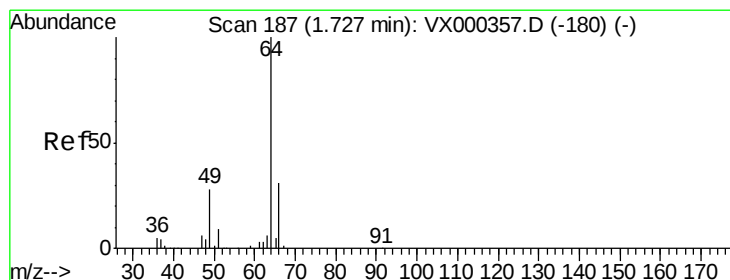
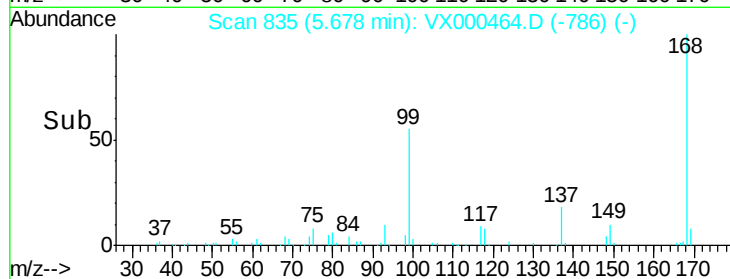
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000464.D

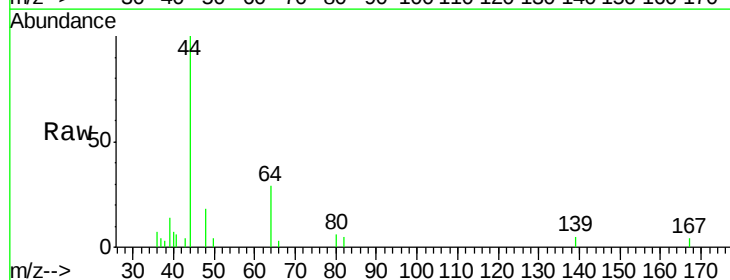
Acq: 27 Mar 2018 17:47

Tgt Ion: 64 Resp: 295

Ion Ratio Lower Upper

64 100

66 33.1 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

600

500

400

300

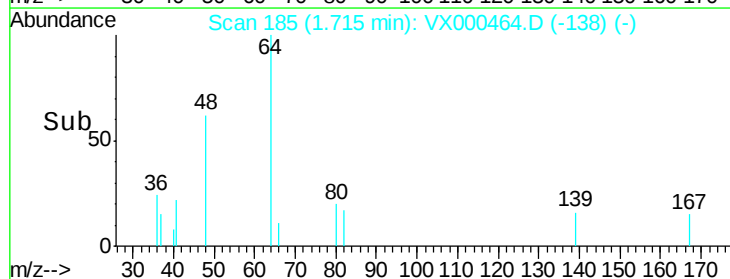
200

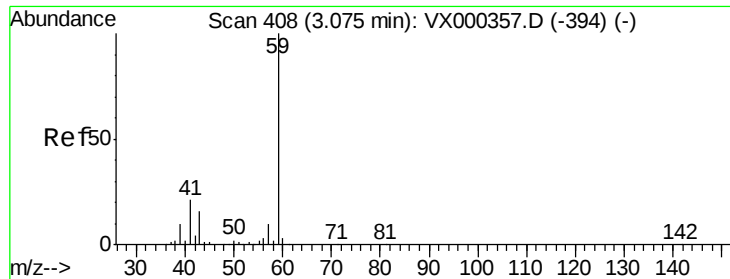
100

0

Time-->

1.70 1.71 1.72

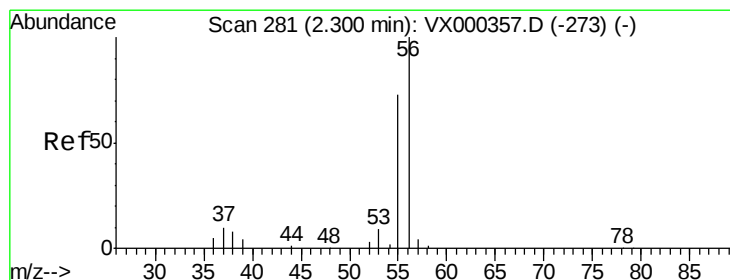
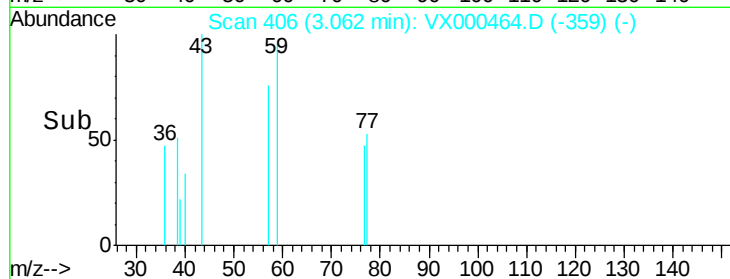
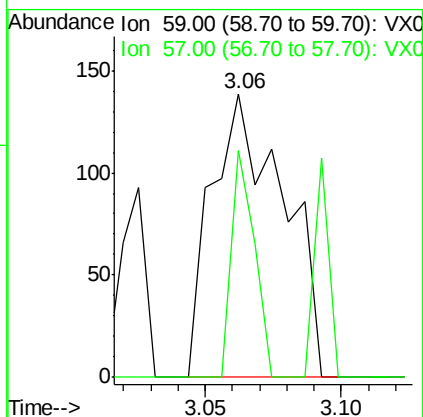
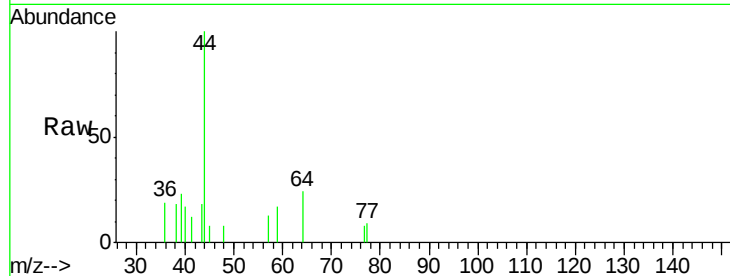




#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

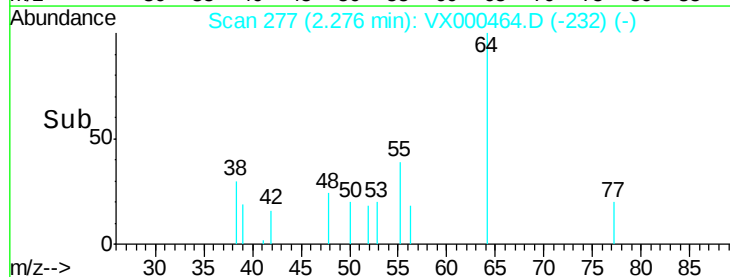
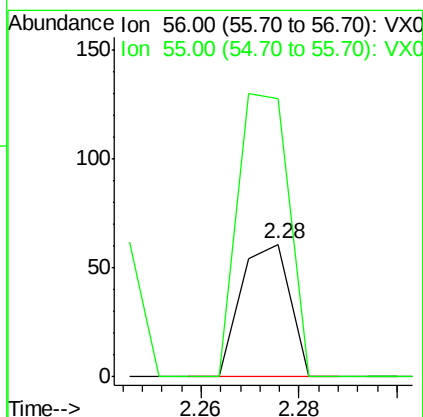
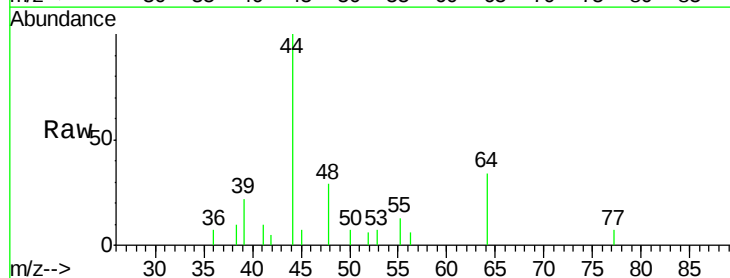
Instrument :
MSVOA_X
ClientSampled :
TP-7-DB

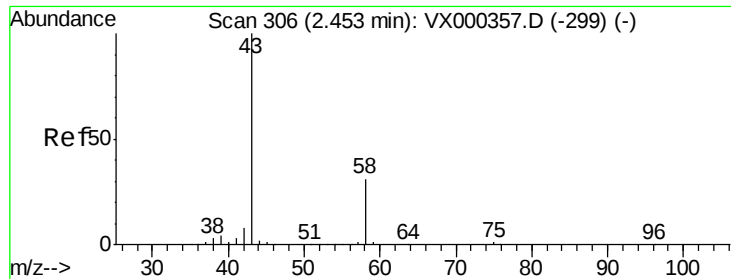
Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 25.1 8.4 12.6#



#13
Acrolein
Concen: 14.85 ug/l
RT: 2.28 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 223.8 58.8 88.2#





#16

Acetone

Concen: 8.35 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

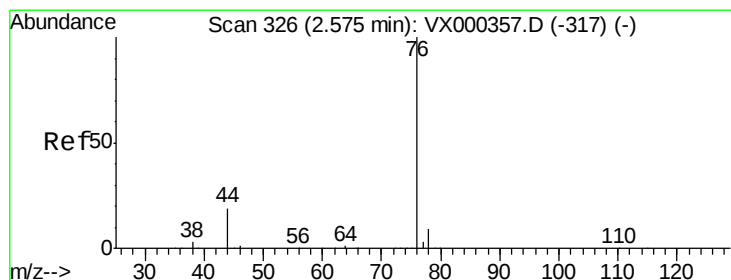
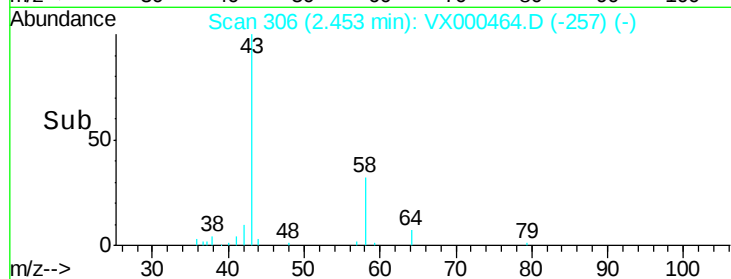
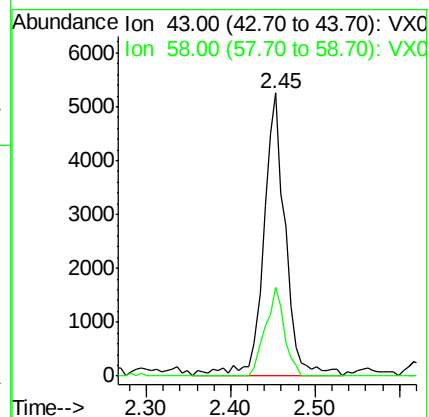
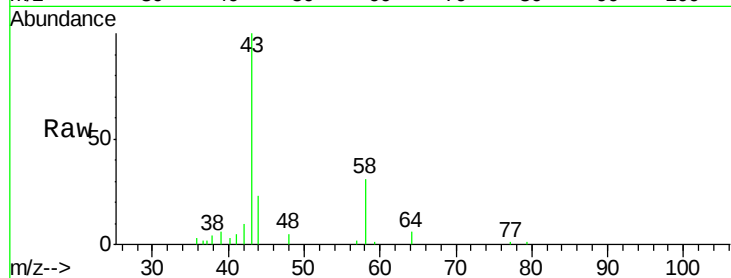
TP-7-DB

Tgt Ion: 43 Resp: 9372

Ion Ratio Lower Upper

43 100

58 31.4 24.7 37.1



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000464.D

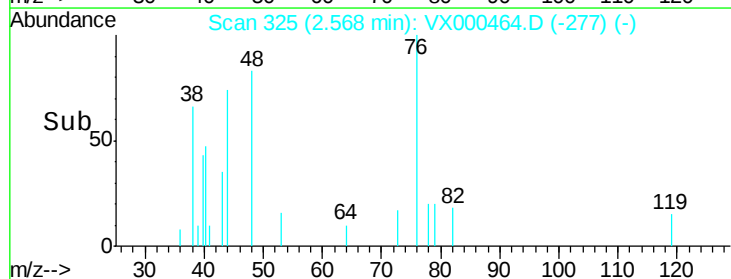
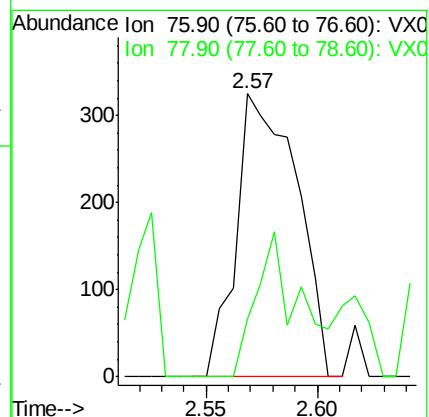
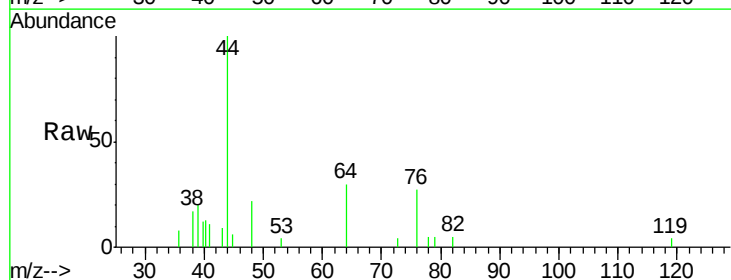
Acq: 27 Mar 2018 17:47

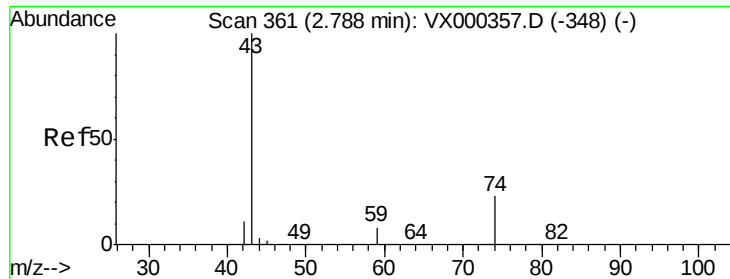
Tgt Ion: 76 Resp: 614

Ion Ratio Lower Upper

76 100

78 20.3 7.0 10.6#

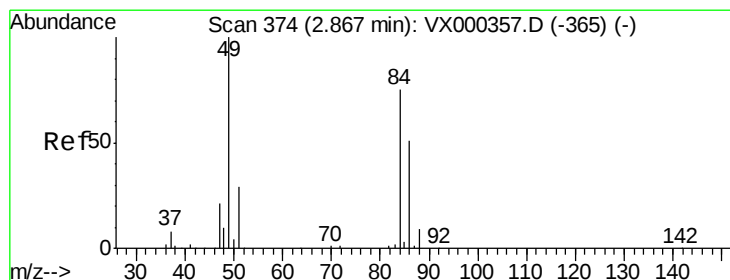
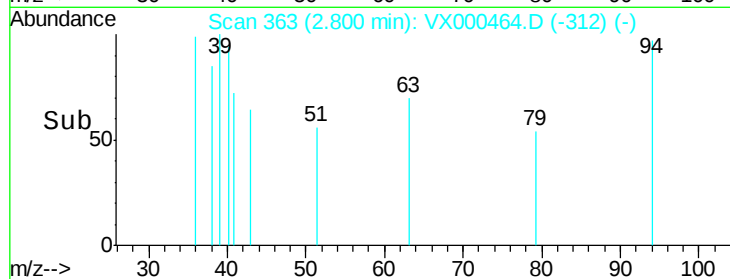
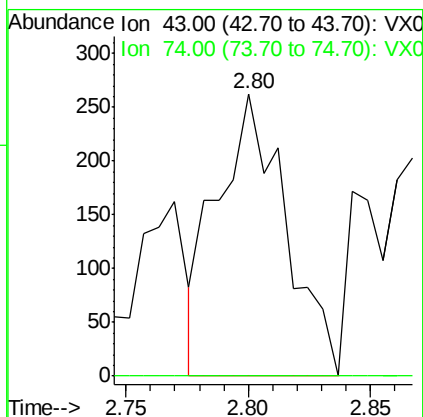
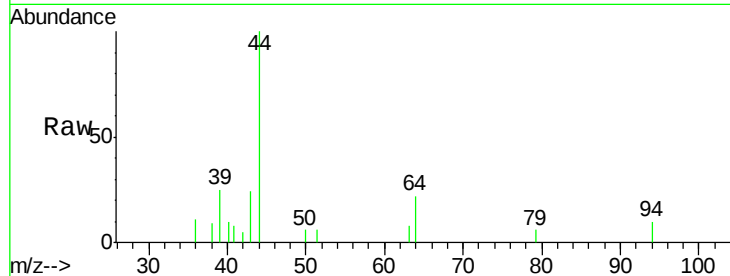




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.80 min Scan# 363
Delta R.T. 0.01 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

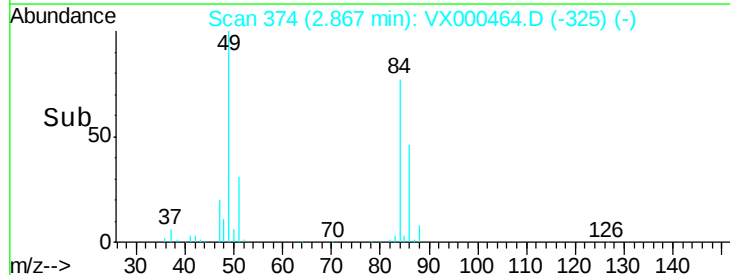
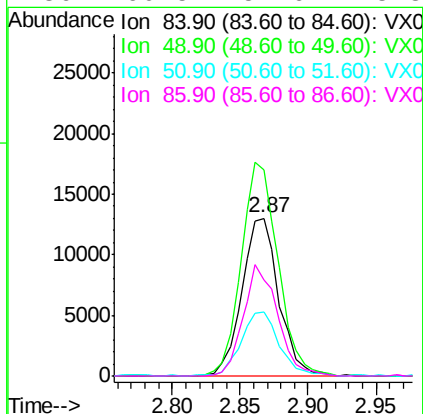
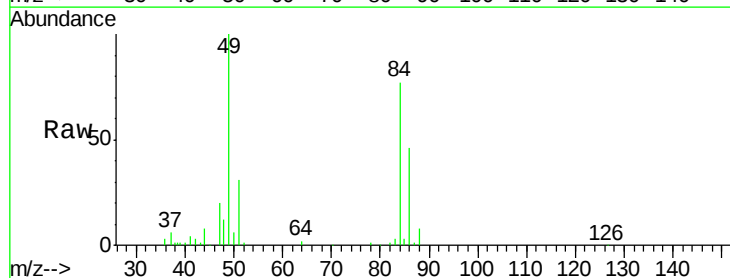
Instrument :
MSVOA_X
ClientSampled :
TP-7-DB

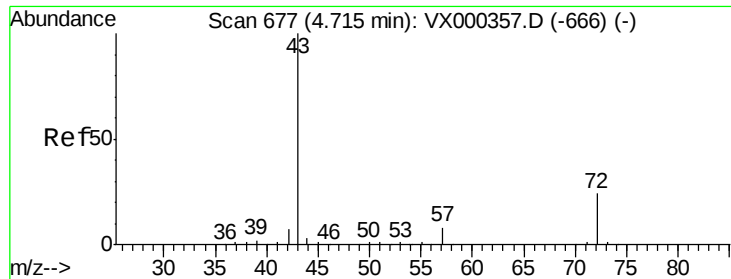
Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 18.99 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

Tgt Ion: 84 Resp: 24611
Ion Ratio Lower Upper
84 100
49 130.2 100.6 151.0
51 40.3 31.6 47.4
86 60.5 52.6 78.8





#25

2-Butanone

Concen: 1.36 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

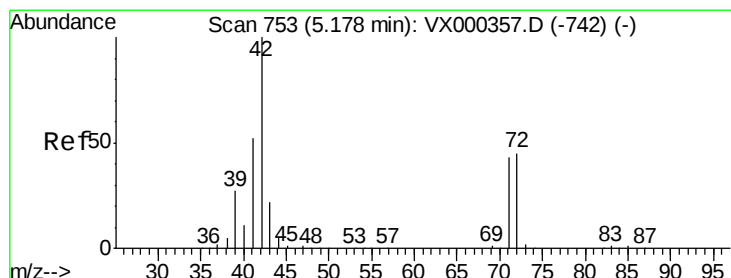
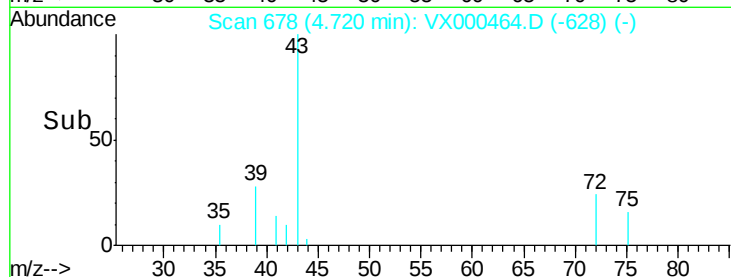
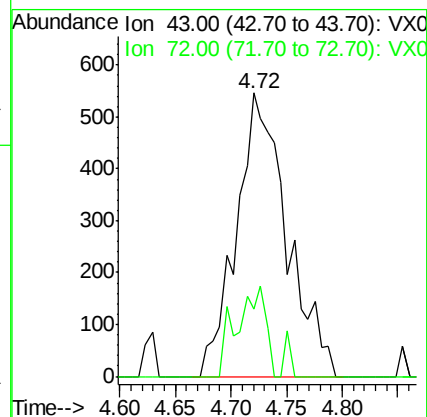
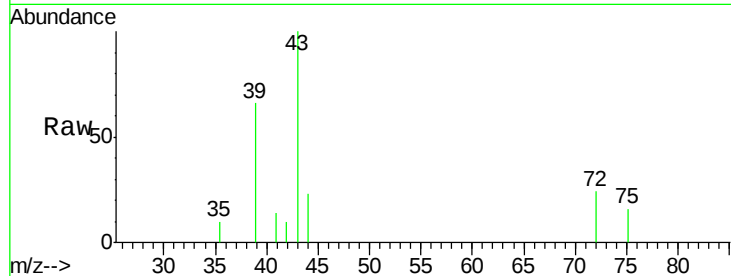
TP-7-DB

Tgt Ion: 43 Resp: 1720

Ion Ratio Lower Upper

43 100

72 23.8 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

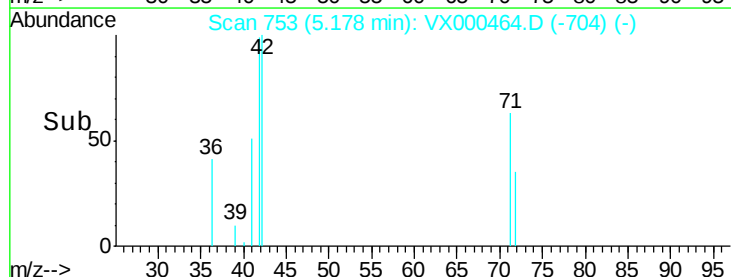
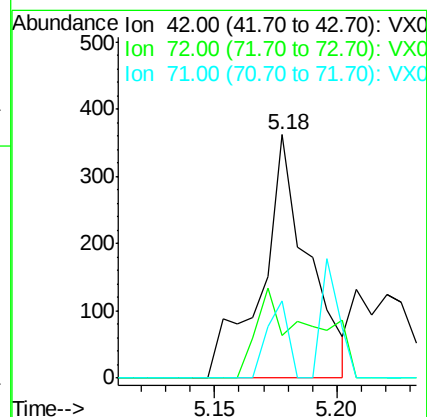
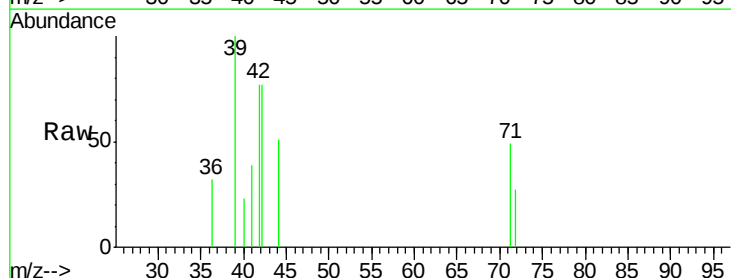
Tgt Ion: 42 Resp: 479

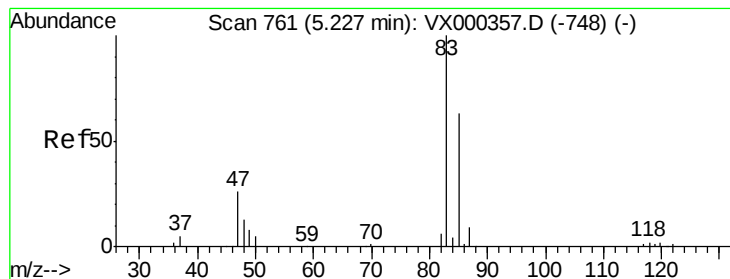
Ion Ratio Lower Upper

42 100

72 31.9 37.9 56.9#

71 14.6 34.4 51.6#





#30

Chloroform

Concen: 0.32 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

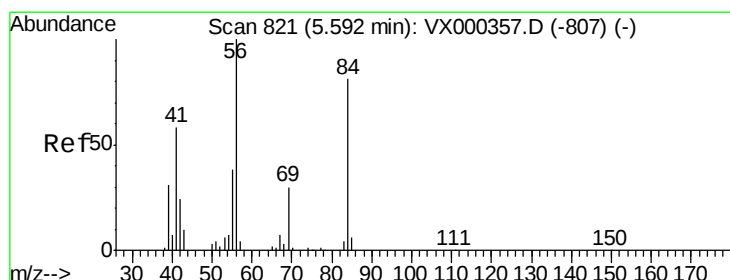
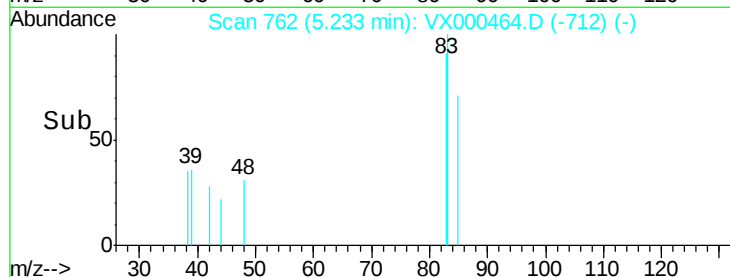
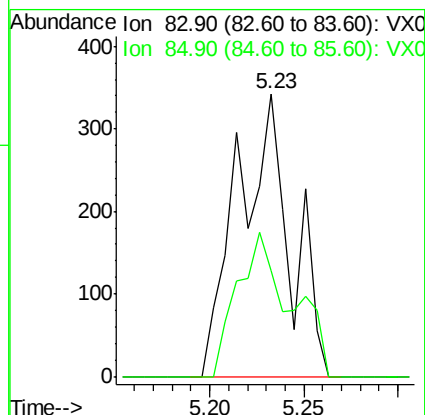
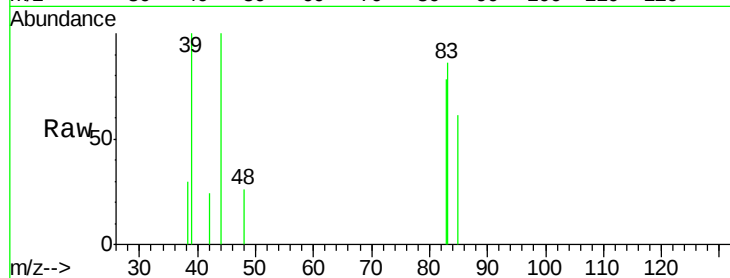
TP-7-DB

Tgt Ion: 83 Resp: 666

Ion Ratio Lower Upper

83 100

85 37.3 53.3 79.9#



#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

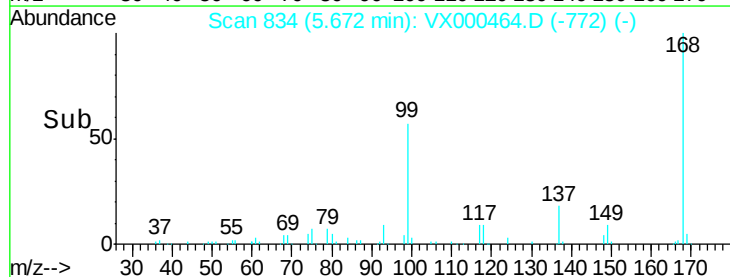
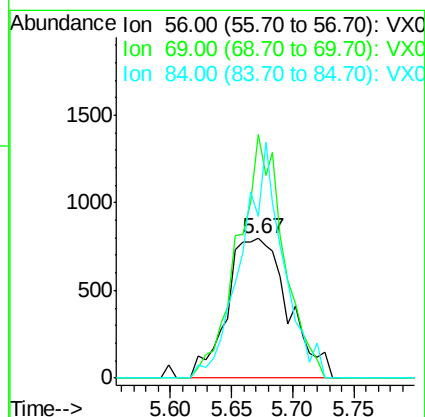
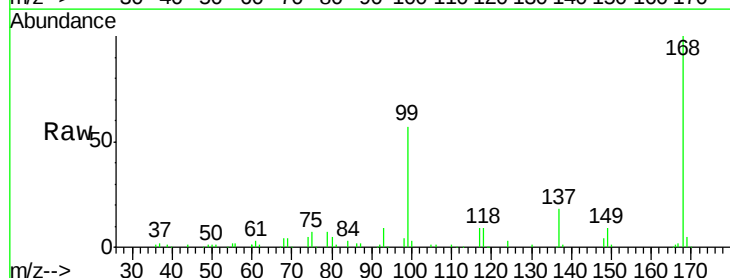
Tgt Ion: 56 Resp: 2747

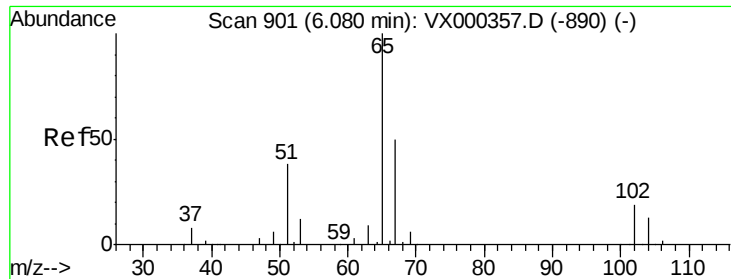
Ion Ratio Lower Upper

56 100

69 174.3 23.4 35.0#

84 115.8 71.0 106.4#

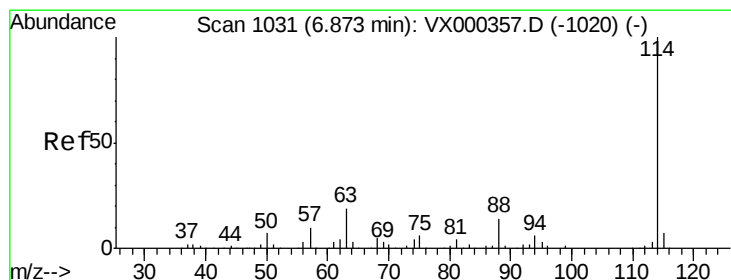
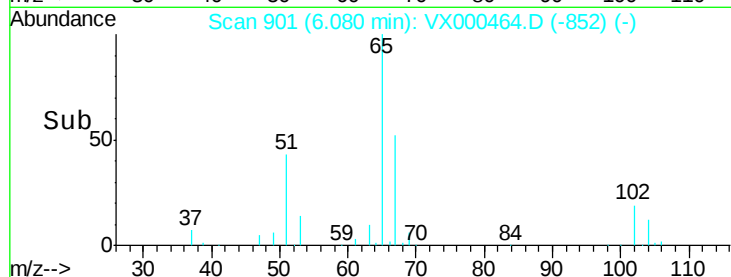
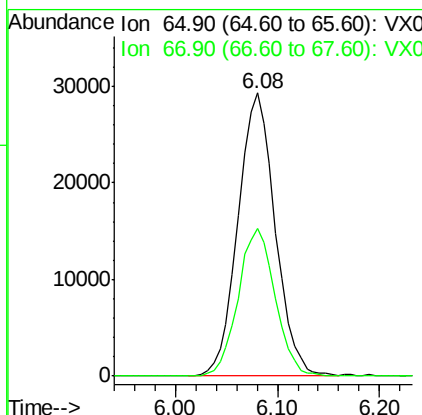
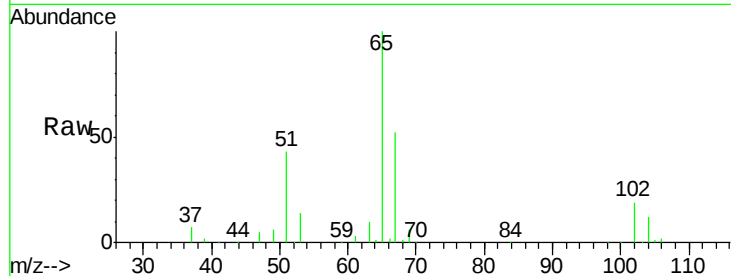




#33
 1,2-Dichloroethane-d4
 Concen: 54.98 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

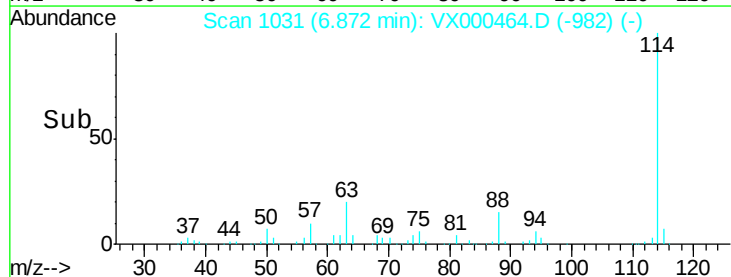
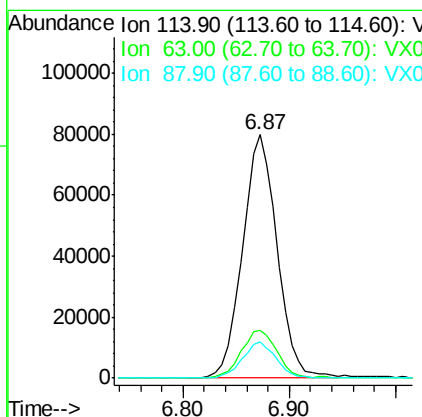
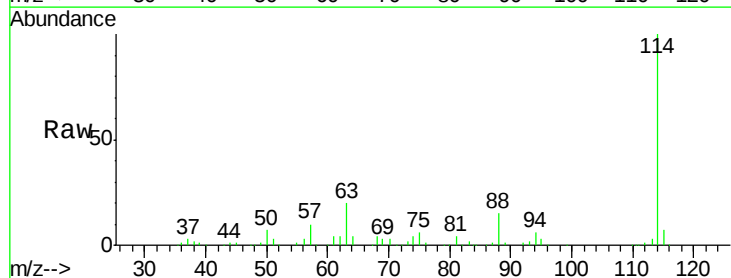
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-DB

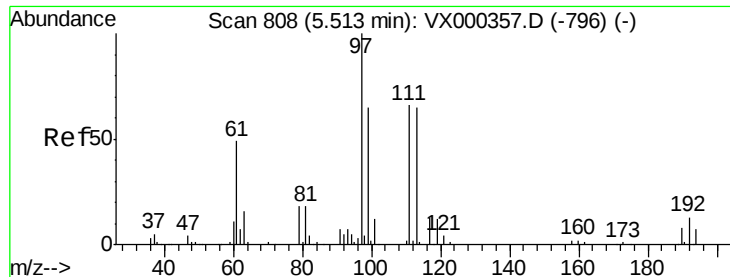
Tgt Ion: 65 Resp: 74147
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

Tgt Ion: 114 Resp: 181776
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 14.7 0.0 27.0





#35

Dibromofluoromethane

Concen: 51.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

TP-7-DB

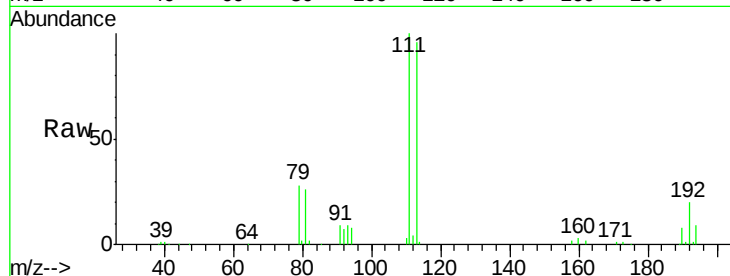
Tgt Ion:113 Resp: 59495

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

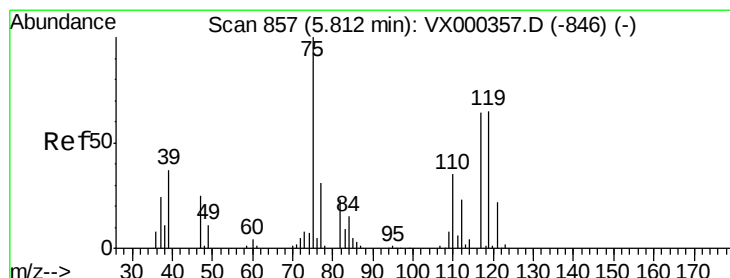
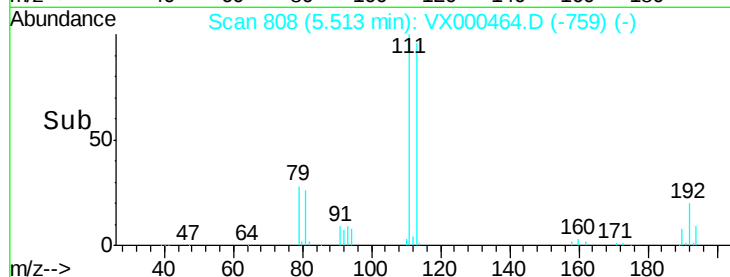
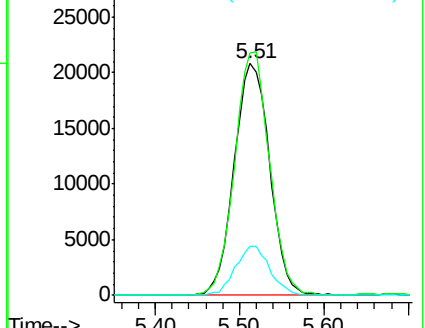
192 20.5 15.8 23.6



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: 4.78 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.13 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

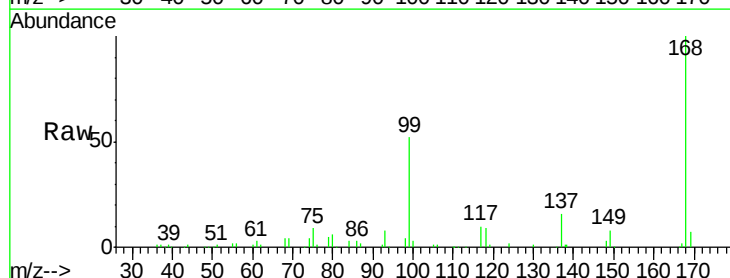
Tgt Ion: 75 Resp: 8147

Ion Ratio Lower Upper

75 100

110 10.8 17.9 53.7#

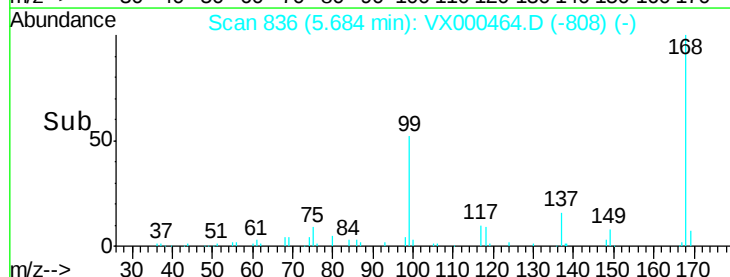
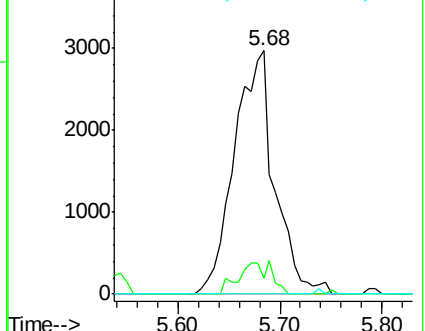
77 0.0 24.0 36.0#

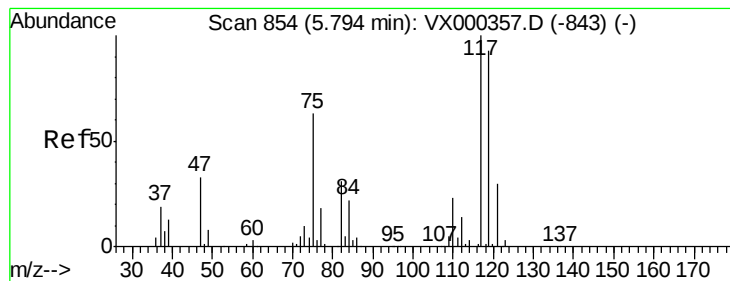


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.46 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

TP-7-DB

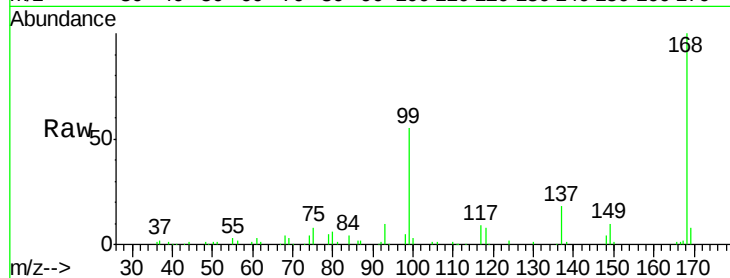
Tgt Ion:117 Resp: 9753

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.2#

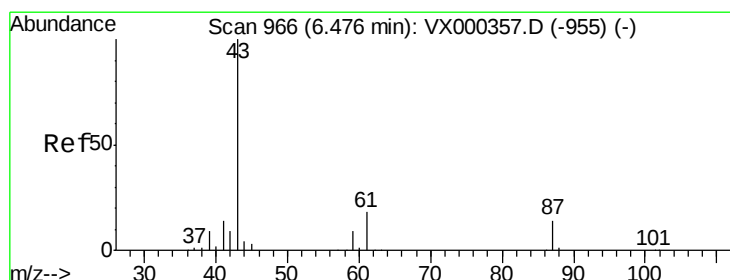
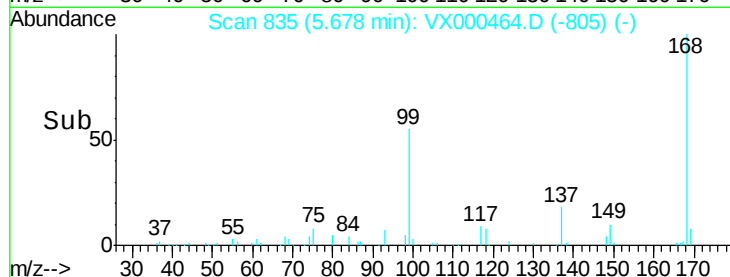
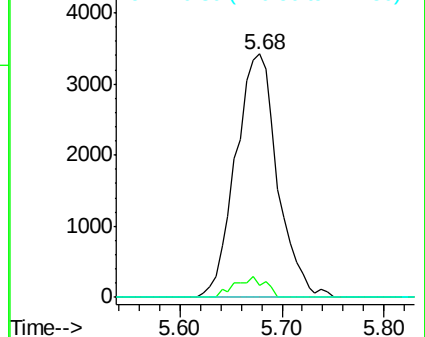
121 0.0 24.8 37.2#



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



#43

Isopropyl Acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

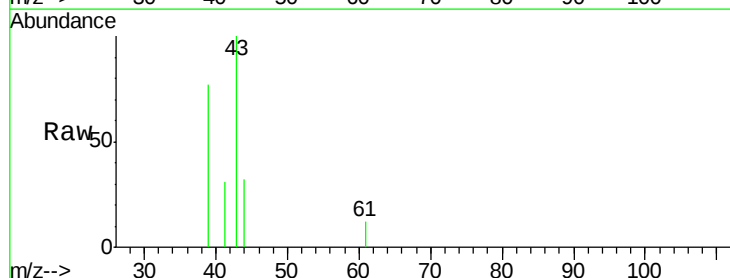
Tgt Ion: 43 Resp: 1358

Ion Ratio Lower Upper

43 100

61 2.1 14.4 21.6#

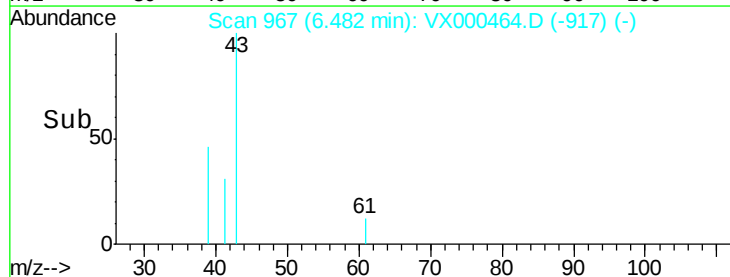
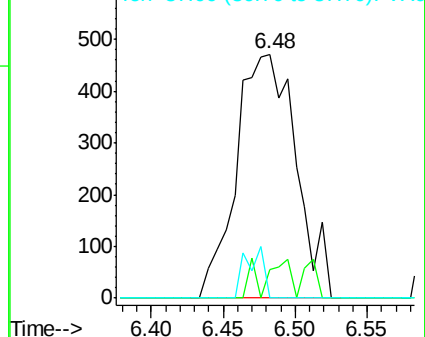
87 6.5 11.0 16.4#

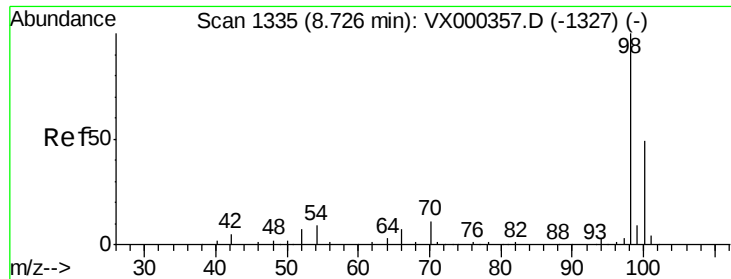


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 47.65 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

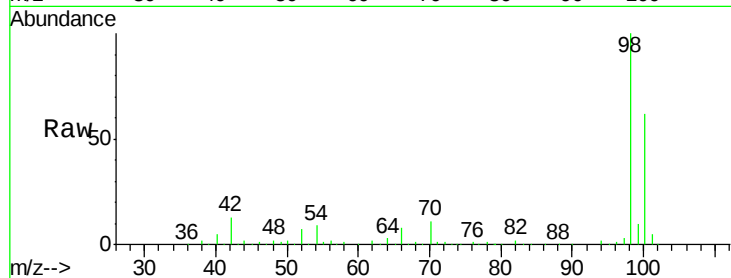
TP-7-DB

Tgt Ion: 98 Resp: 226025

Ion Ratio Lower Upper

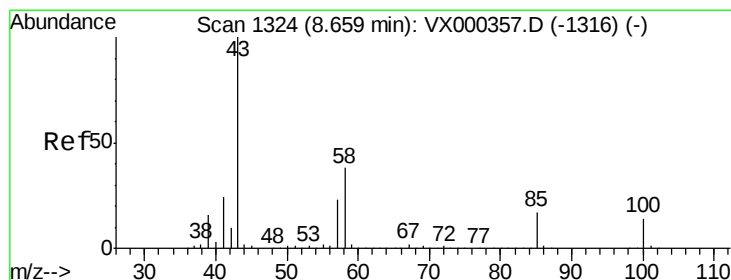
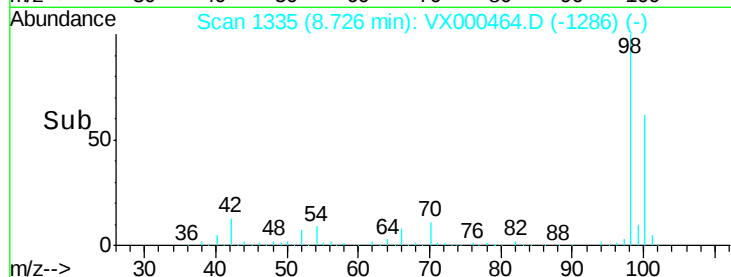
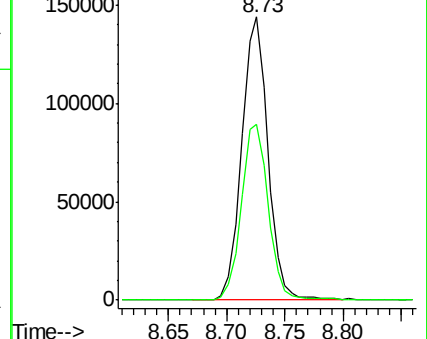
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000464.D

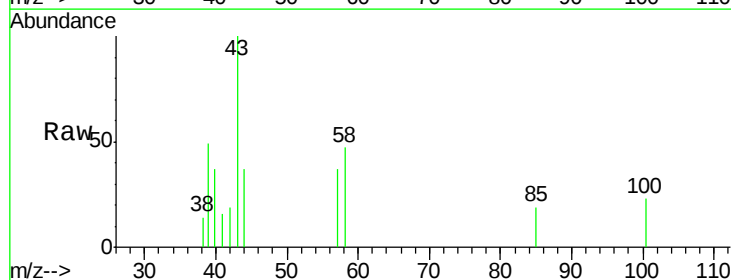
Acq: 27 Mar 2018 17:47

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

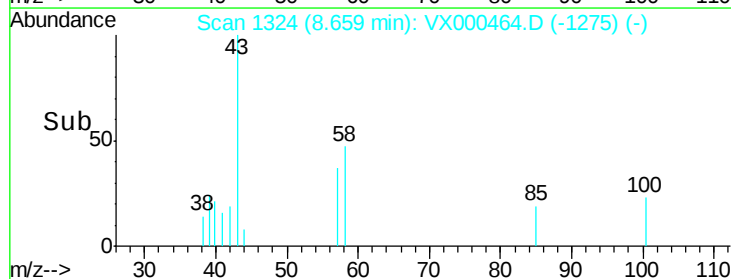
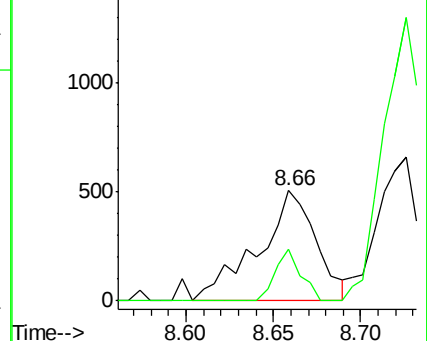
43 100

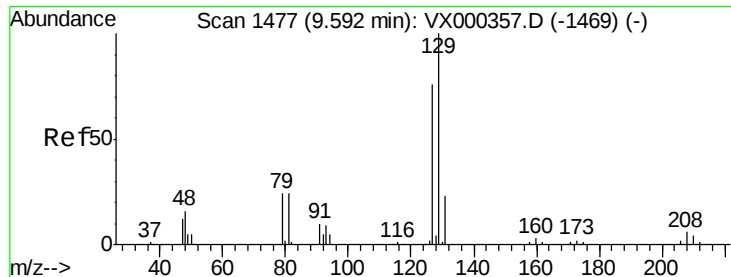
58 20.6 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.60 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

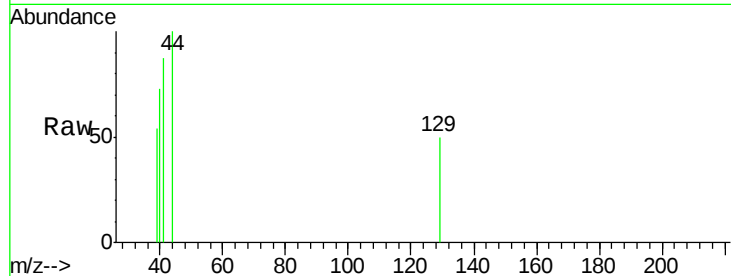
TP-7-DB

Tgt Ion:129 Resp: 27

Ion Ratio Lower Upper

129 100

127 140.7 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

120

100

80

60

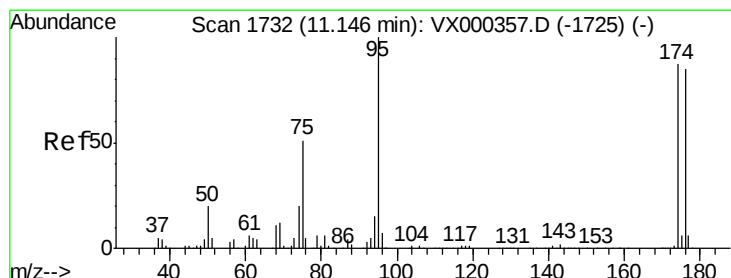
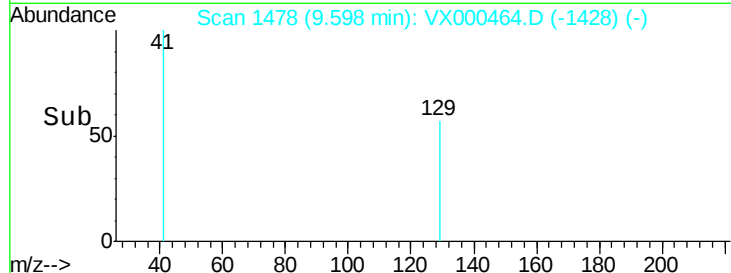
40

20

0

9.58 9.59 9.60 9.61

Time-->



#62

4-Bromofluorobenzene

Concen: 40.16 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

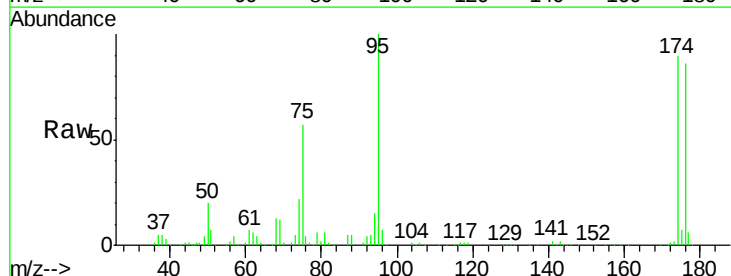
Tgt Ion: 95 Resp: 77713

Ion Ratio Lower Upper

95 100

174 90.3 0.0 173.6

176 87.5 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

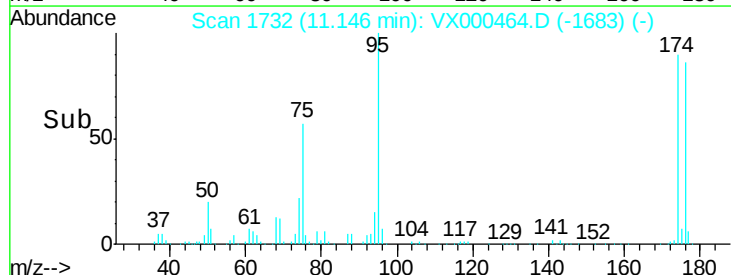
40000

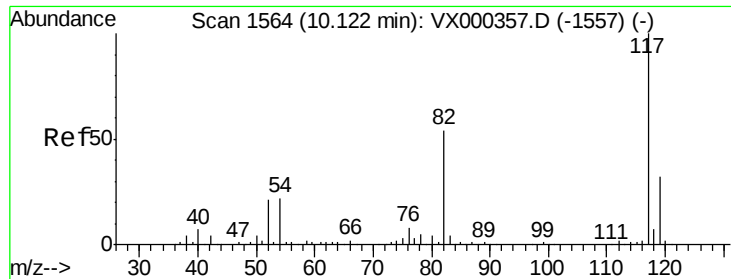
20000

0

11.10 11.15 11.20

Time-->

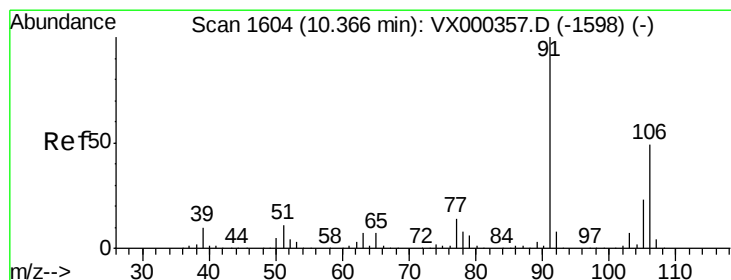
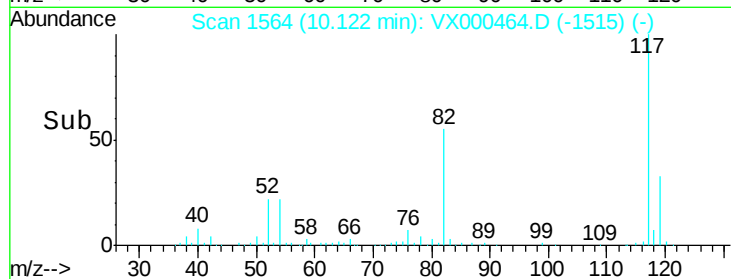
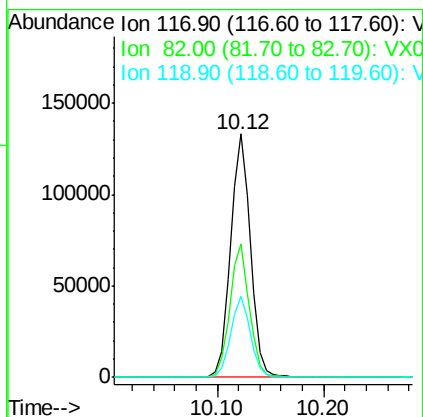
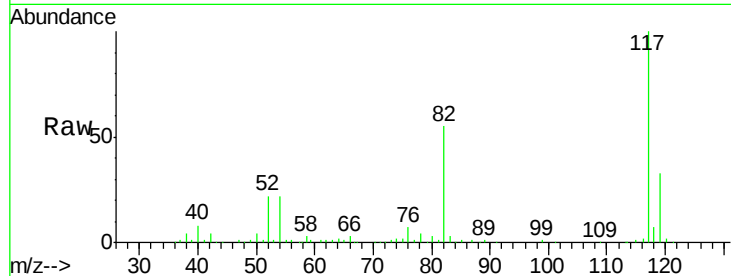




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

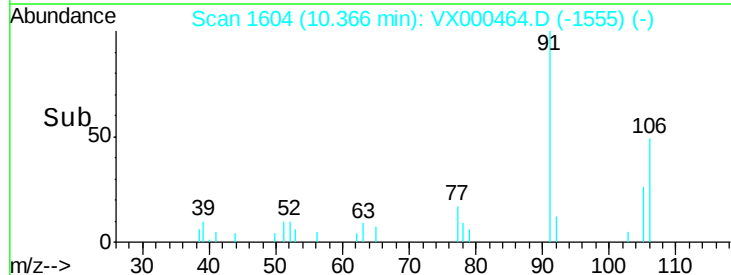
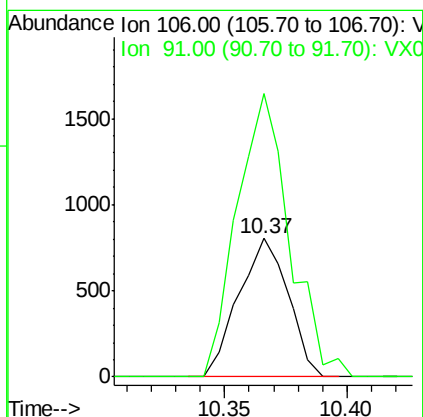
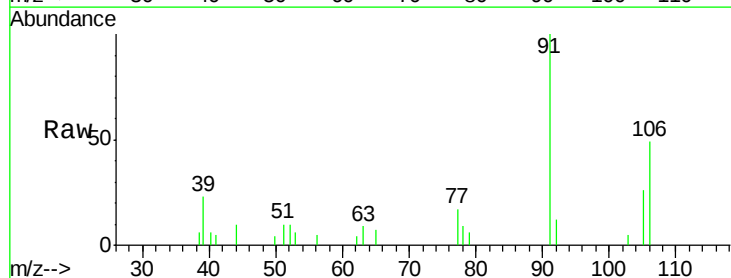
Instrument :
MSVOA_X
ClientSampleId :
TP-7-DB

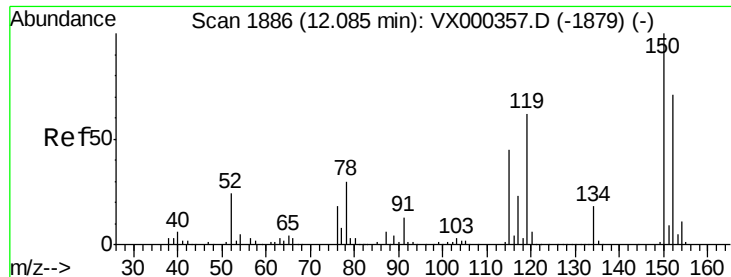
Tgt Ion:117 Resp: 174988
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 33.3 24.9 37.3



#68
m/p-Xylenes
Concen: 0.44 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000464.D
Acq: 27 Mar 2018 17:47

Tgt Ion:106 Resp: 1135
Ion Ratio Lower Upper
106 100
91 216.9 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

TP-7-DB

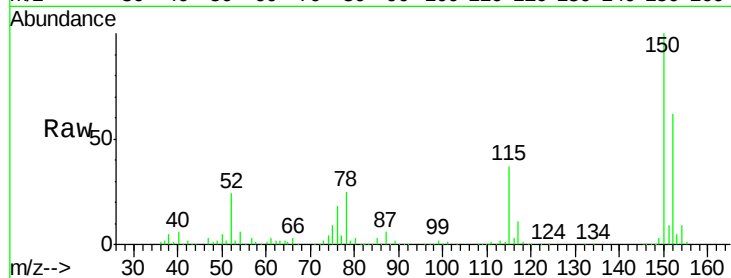
Tgt Ion:152 Resp: 88817

Ion Ratio Lower Upper

152 100

115 57.4 39.8 119.3

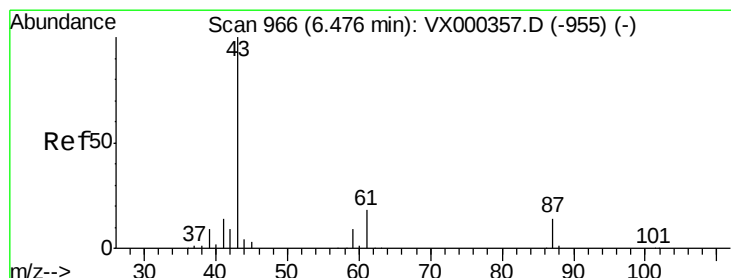
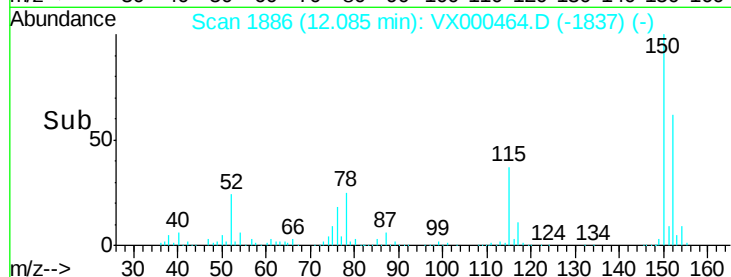
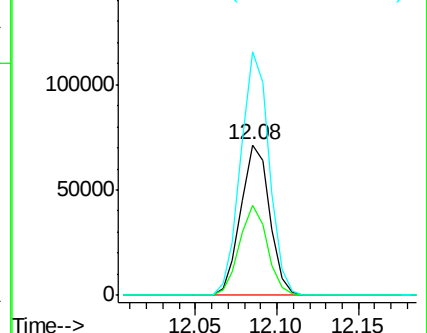
150 158.8 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000464.D

Acq: 27 Mar 2018 17:47

Tgt Ion: 43 Resp: 1358

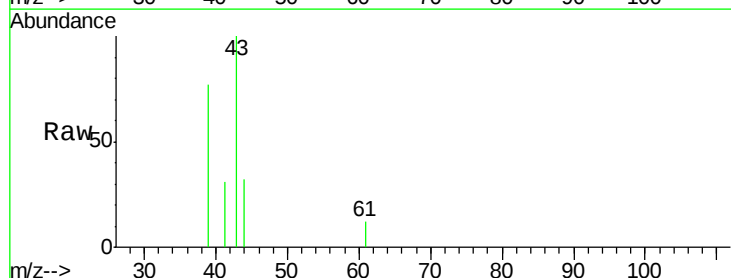
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 5.2 14.4 21.6#

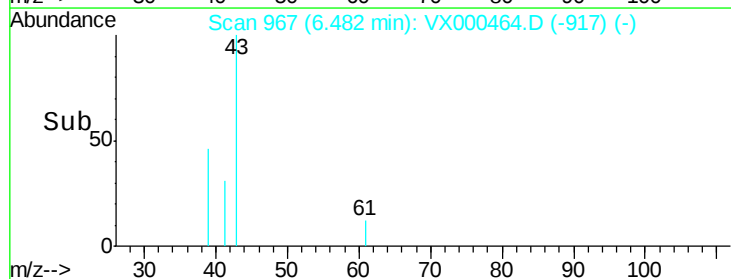
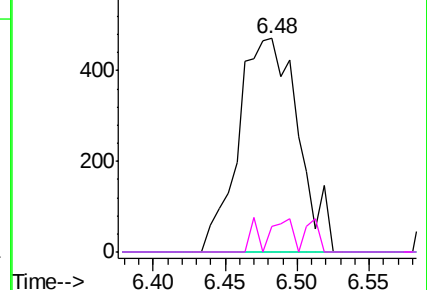


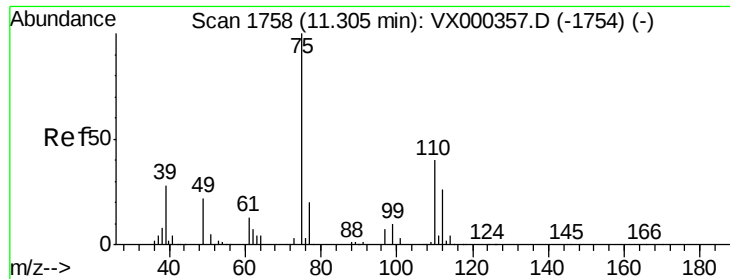
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

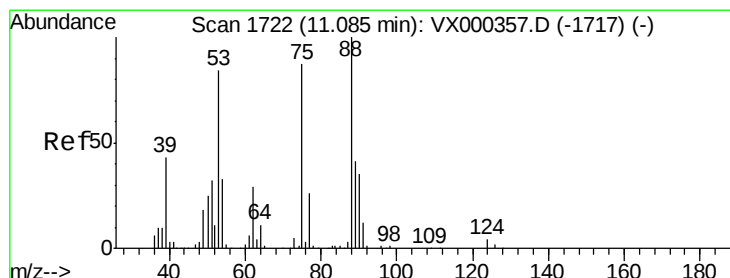
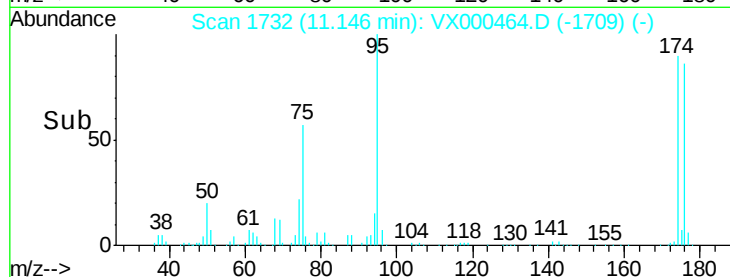
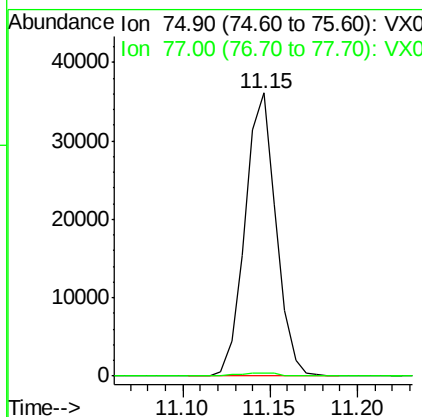
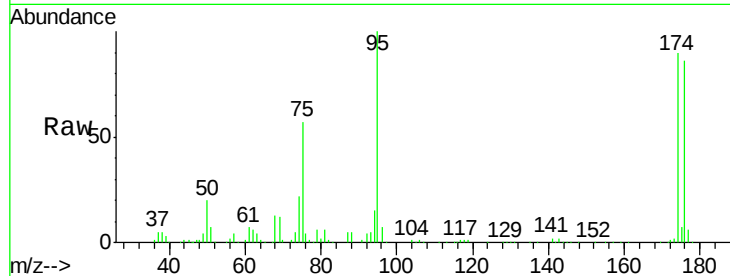




#76
 1,2,3-Trichloropropane
 Concen: 23.26 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

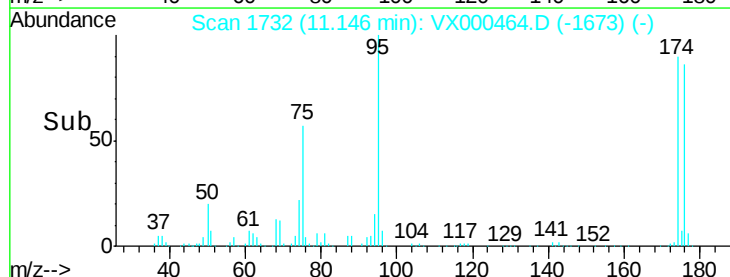
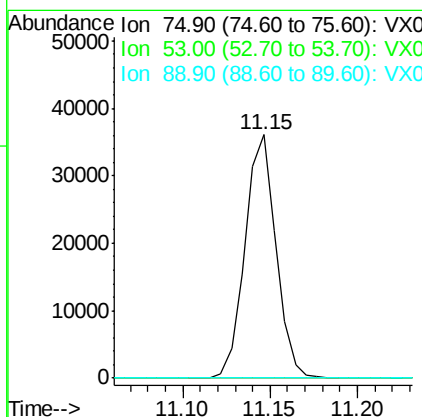
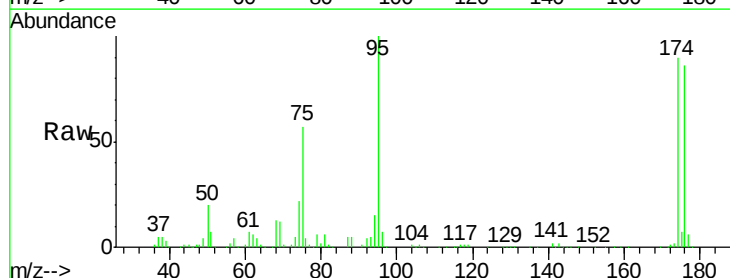
Instrument :
 MSVOA_X
 ClientSampled :
 TP-7-DB

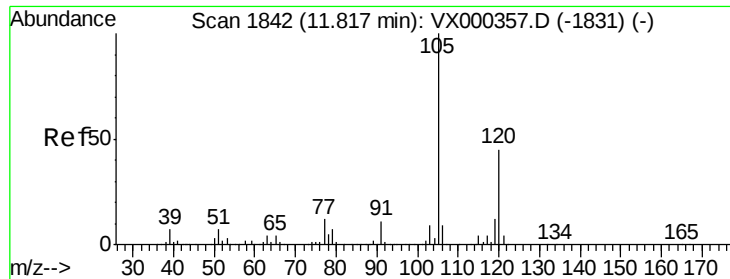
Tgt Ion: 75 Resp: 44403
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.31 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

Tgt Ion: 75 Resp: 44403
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

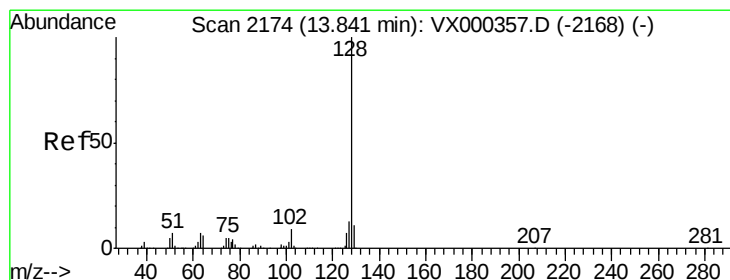
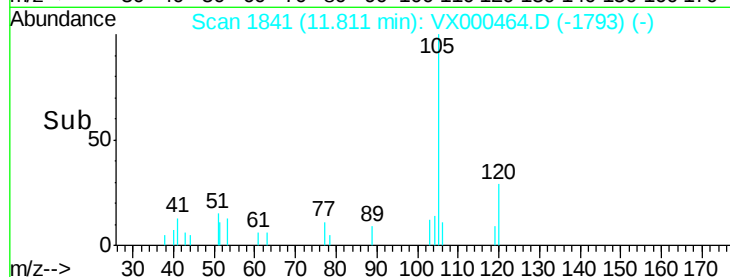
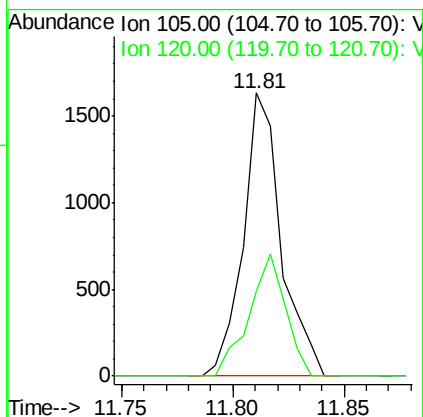
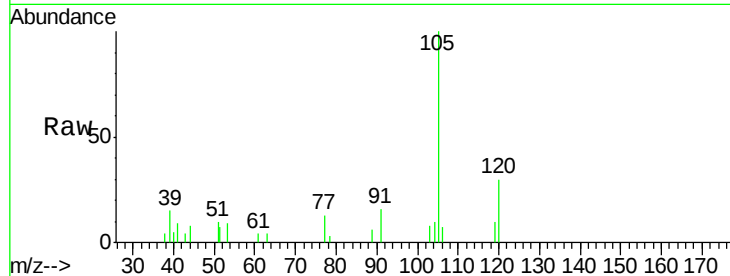




#84
 1,2,4-Trimethylbenzene
 Concen: 0.37 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-DB

Tgt Ion:105 Resp: 1931
 Ion Ratio Lower Upper
 105 100
 120 41.5 22.4 67.3



#95
 Naphthalene
 Concen: 1.25 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000464.D
 Acq: 27 Mar 2018 17:47

Tgt Ion:128 Resp: 9089
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.6 15.8
 129 11.1 8.9 13.3

