

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000498.D
 Acq On : 28 Mar 2018 19:16
 Operator : JC/MD
 Sample : J2100-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8-DB

Quant Time: Mar 29 04:12:35 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	91990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	168663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	84331	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	68434	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	5.51	113	53541	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.73	98	214514	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.15	95	70910	39.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.18%	

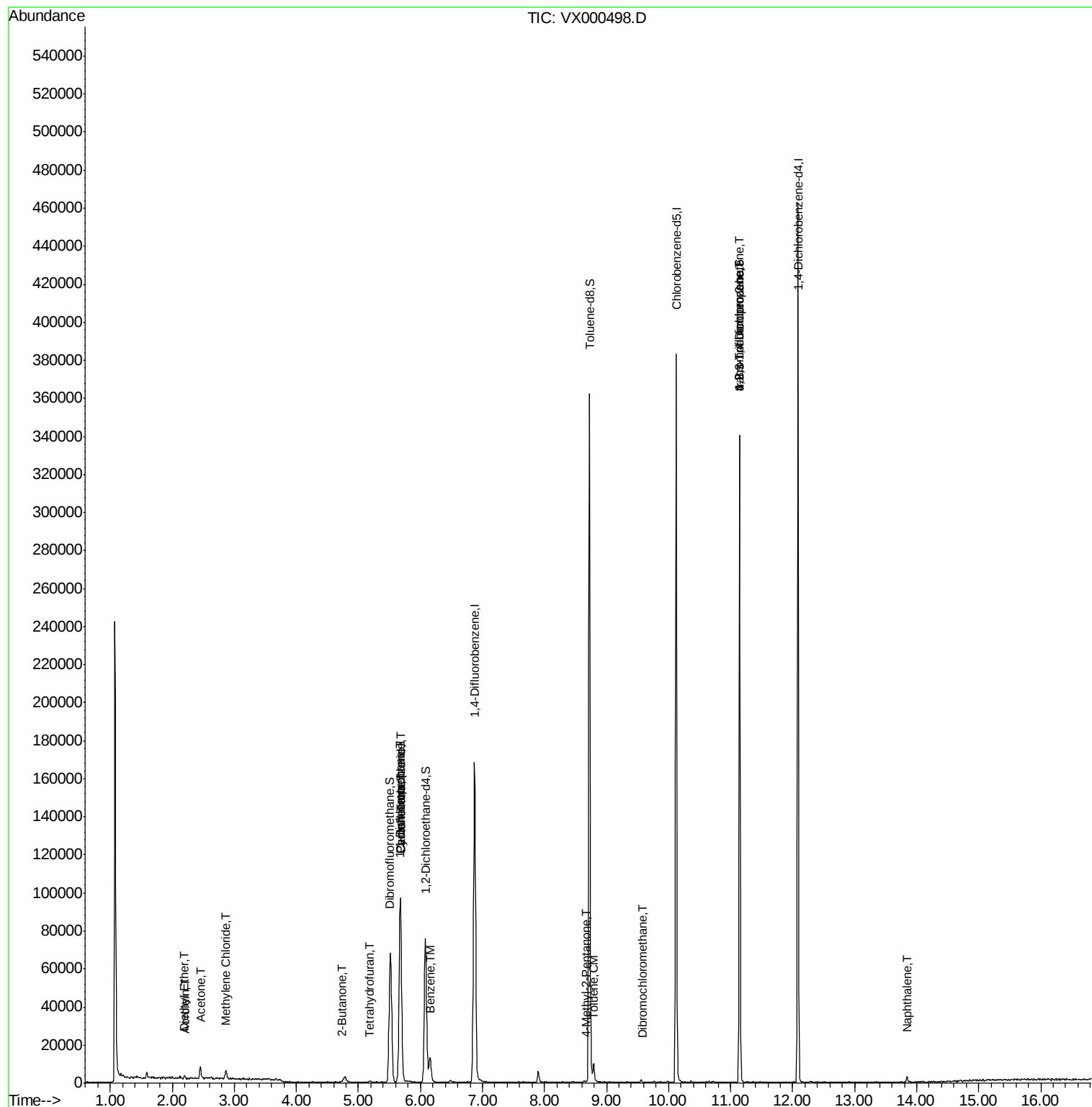
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	189	Below Cal	#	44
8) Diethyl Ether	2.20	74	403	0.55	ug/l #	45
13) Acrolein	2.22	56	51	14.94	ug/l #	1
16) Acetone	2.45	43	6782	6.79	ug/l	95
20) Methylene Chloride	2.86	84	1707	1.48	ug/l #	67
25) 2-Butanone	4.72	43	1059	0.94	ug/l #	72
29) Tetrahydrofuran	5.17	42	361	0.52	ug/l #	67
31) Cyclohexane	5.68	56	2316	1.53	ug/l #	49
36) 1,1-Dichloropropene	5.67	75	7658	4.85	ug/l #	46
38) Carbon Tetrachloride	5.67	117	9248	5.58	ug/l #	16
40) Benzene	6.16	78	14899	3.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	803	0.32	ug/l #	57
52) Toluene	8.79	92	3045	0.95	ug/l	87
60) Dibromochloromethane	9.59	129	56	4.15	ug/l #	12
74) N-amyl acetate	6.47	43	596	Below Cal	#	79
76) 1,2,3-Trichloropropane	11.15	75	42389	23.39	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42389	75.72	ug/l #	9
95) Naphthalene	13.84	128	2074	0.30	ug/l #	93

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

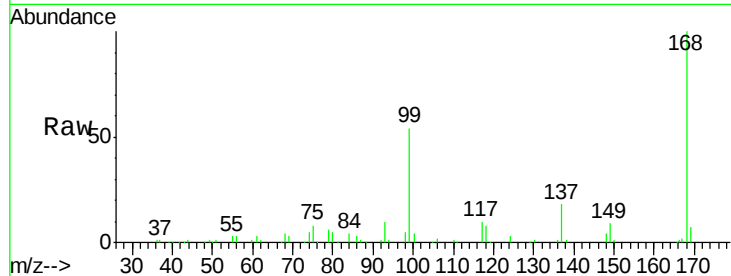
TP-8-DB

Tgt Ion:168 Resp: 91990

Ion Ratio Lower Upper

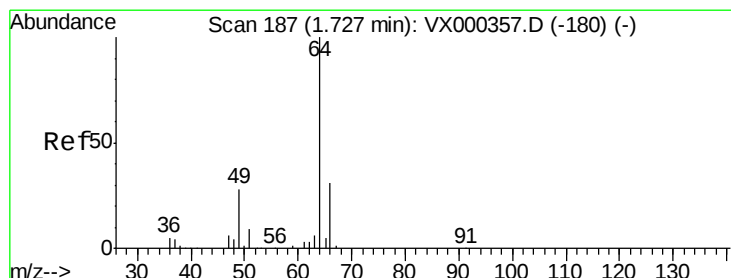
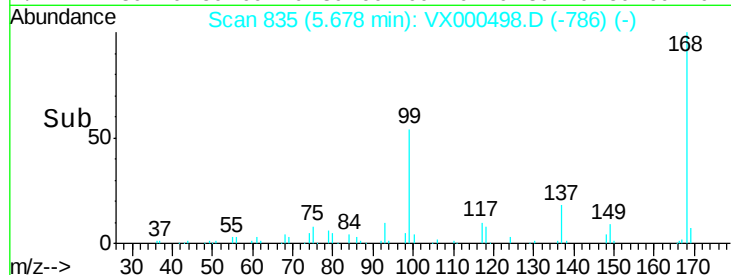
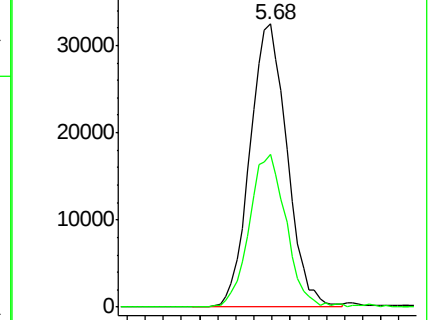
168 100

99 54.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000498.D

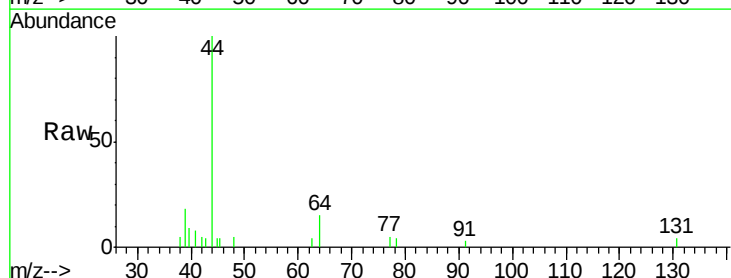
Acq: 28 Mar 2018 19:16

Tgt Ion: 64 Resp: 189

Ion Ratio Lower Upper

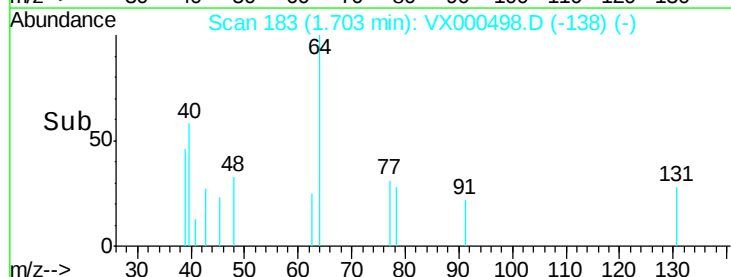
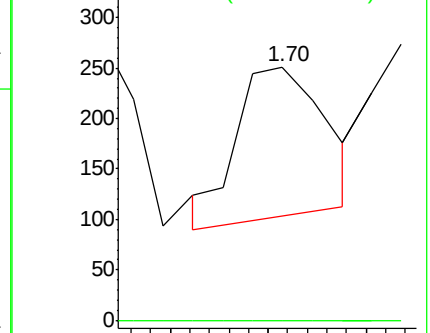
64 100

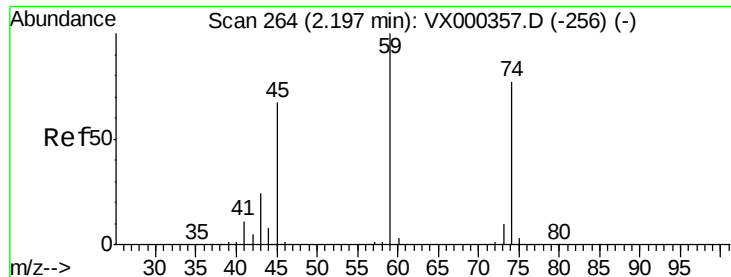
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.55 ug/l

RT: 2.20 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

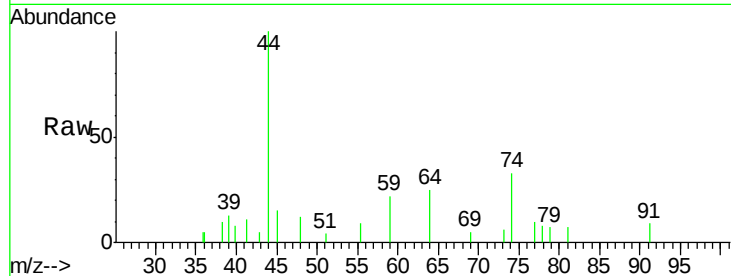
TP-8-DB

Tgt Ion: 74 Resp: 403

Ion Ratio Lower Upper

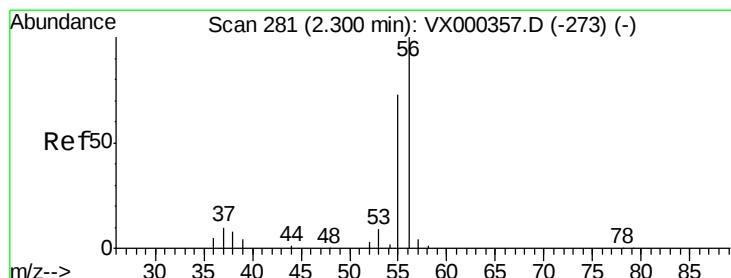
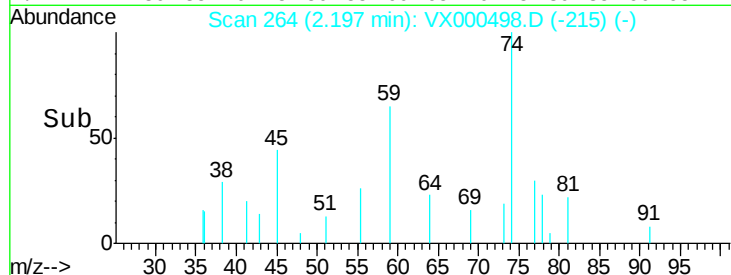
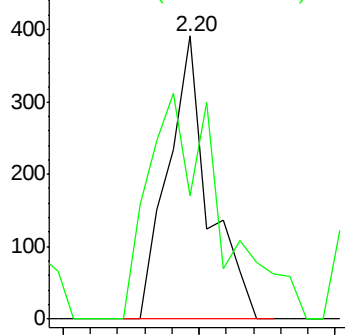
74 100

45 141.9 45.1 135.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 14.94 ug/l

RT: 2.22 min Scan# 267

Delta R.T. -0.08 min

Lab File: VX000498.D

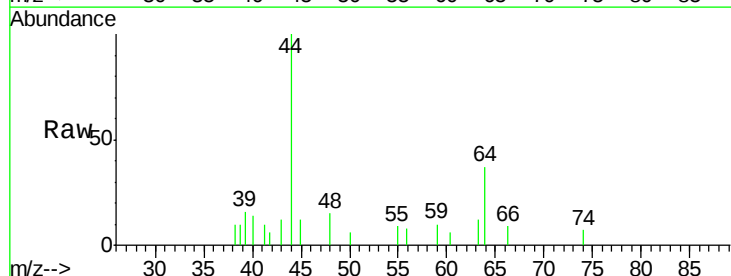
Acq: 28 Mar 2018 19:16

Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

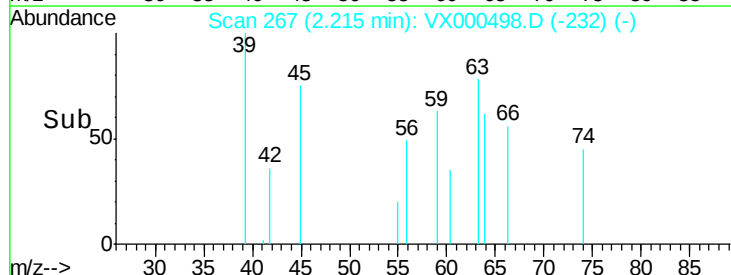
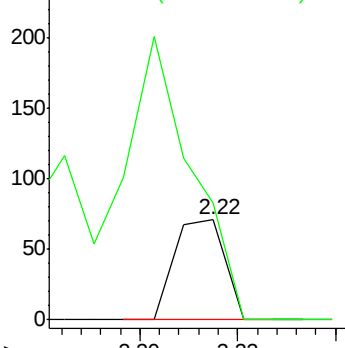
56 100

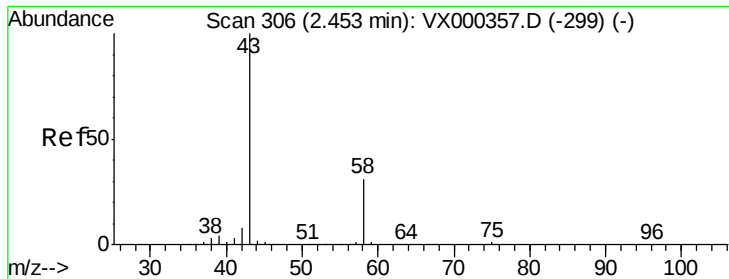
55 582.4 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 6.79 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

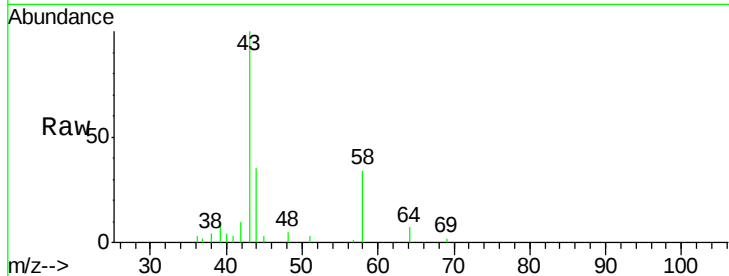
TP-8-DB

Tgt Ion: 43 Resp: 6782

Ion Ratio Lower Upper

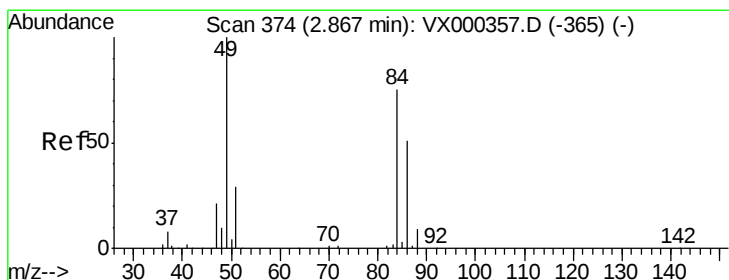
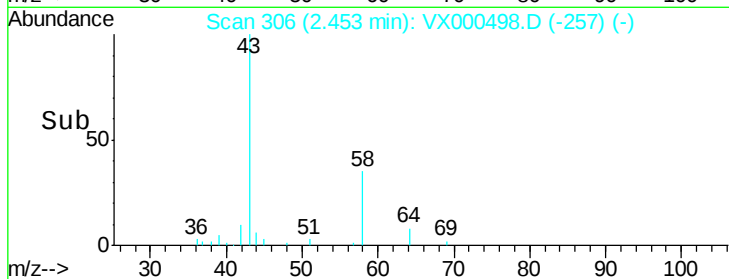
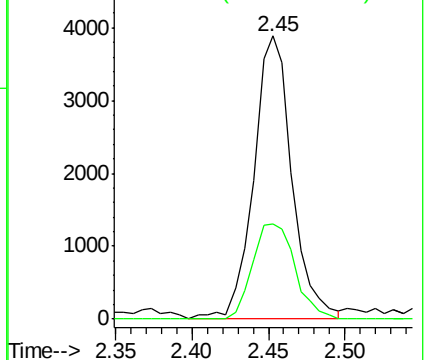
43 100

58 33.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.48 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Tgt Ion: 84 Resp: 1707

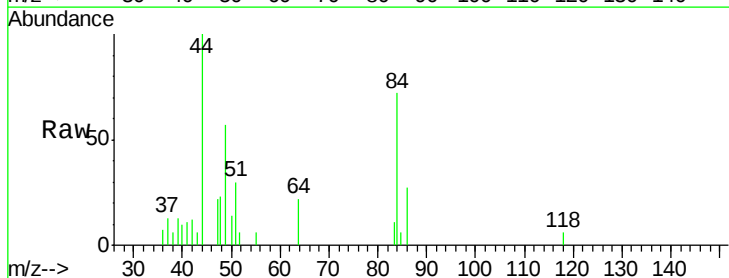
Ion Ratio Lower Upper

84 100

49 78.8 100.6 151.0#

51 42.2 31.6 47.4

86 38.1 52.6 78.8#

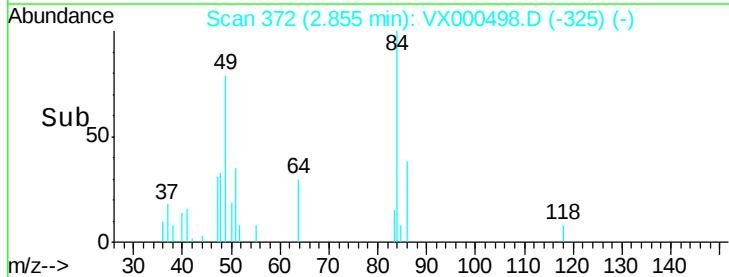
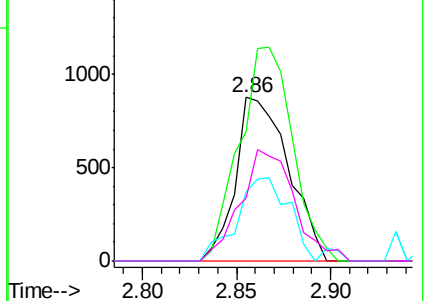


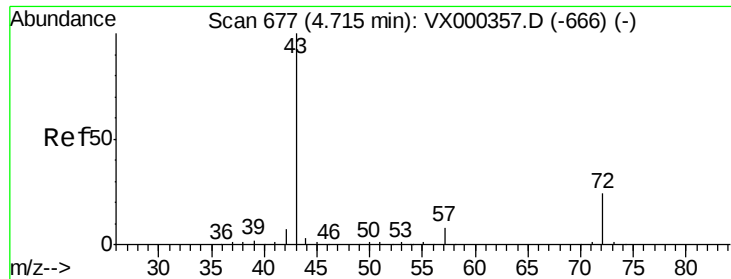
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.94 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

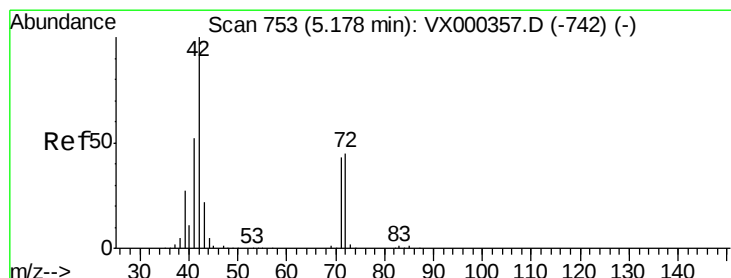
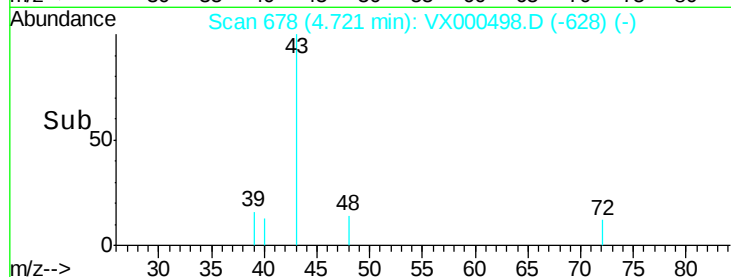
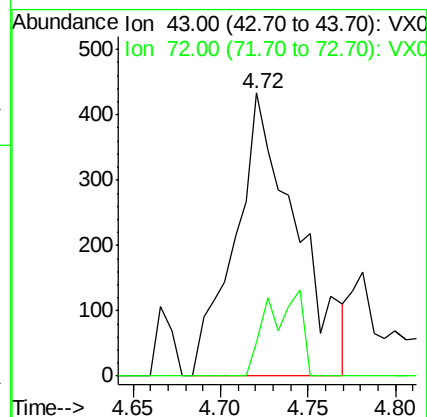
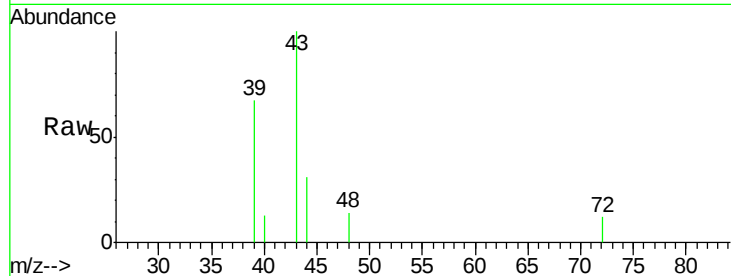
TP-8-DB

Tgt Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

72 12.0 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

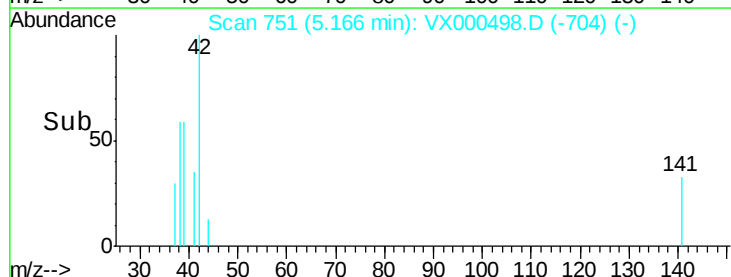
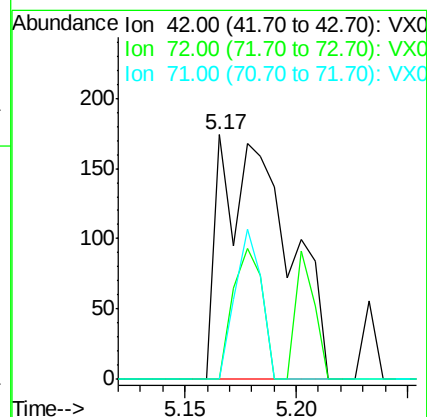
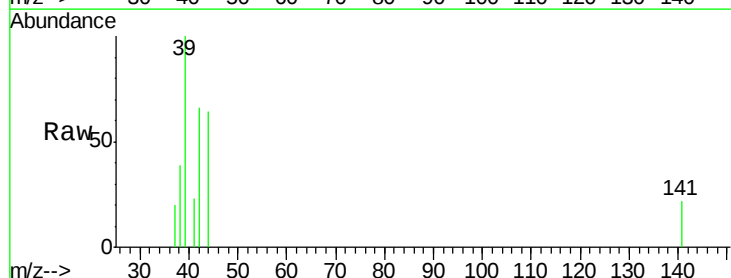
Tgt Ion: 42 Resp: 361

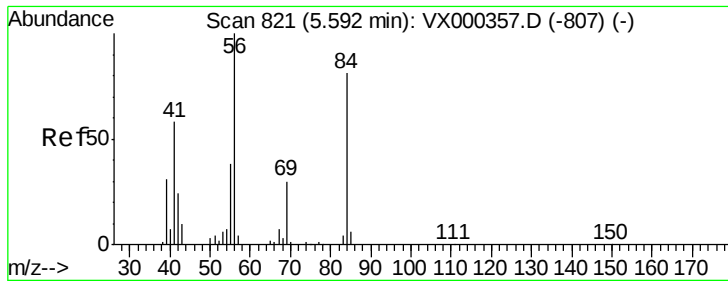
Ion Ratio Lower Upper

42 100

72 23.5 37.9 56.9#

71 24.1 34.4 51.6#

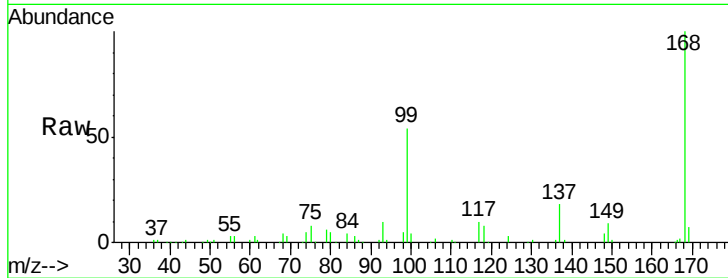




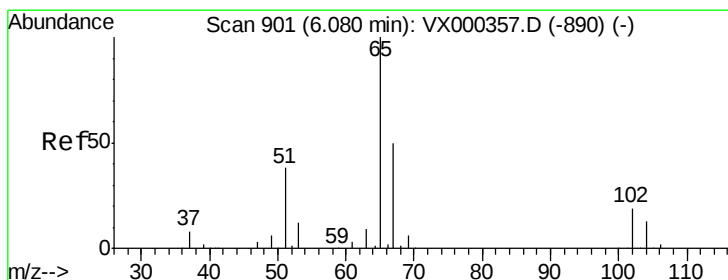
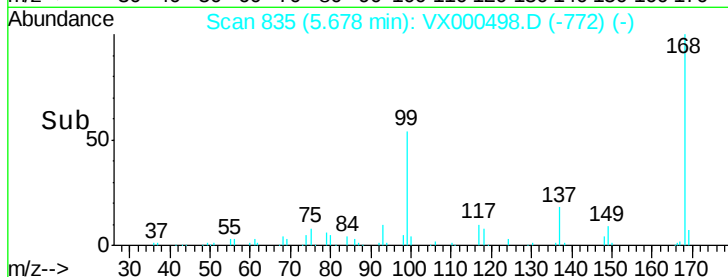
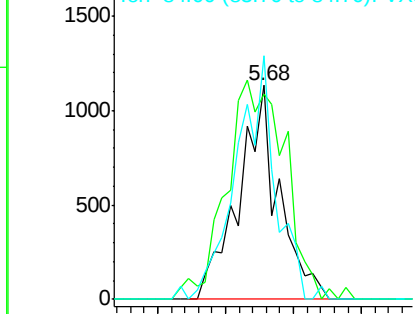
#31
Cyclohexane
Concen: 1.53 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000498.D
Acq: 28 Mar 2018 19:16

Instrument :
MSVOA_X
ClientSampleId :
TP-8-DB

Tgt Ion: 56 Resp: 2316
Ion Ratio Lower Upper
56 100
69 96.2 23.4 35.0#
84 113.9 71.0 106.4#

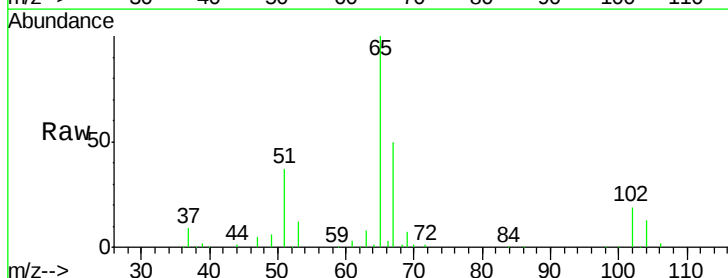


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

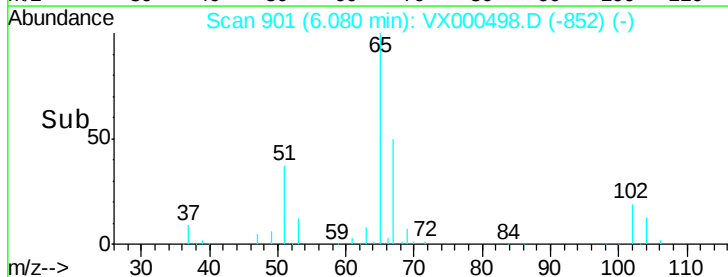
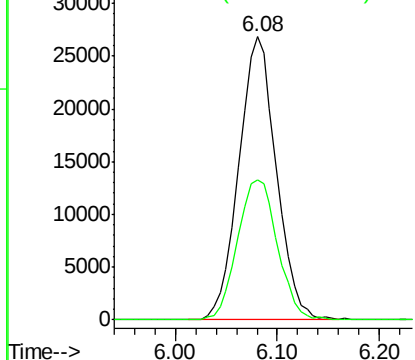


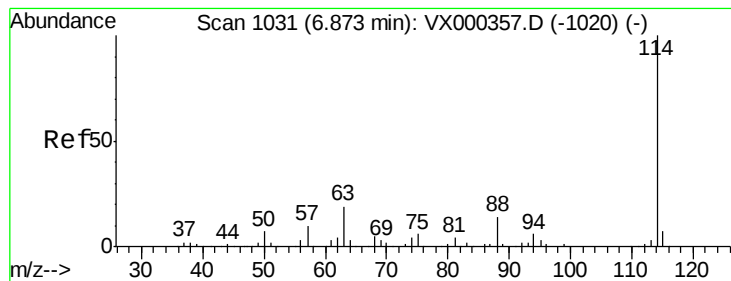
#33
1,2-Dichloroethane-d4
Concen: 56.99 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000498.D
Acq: 28 Mar 2018 19:16

Tgt Ion: 65 Resp: 68434
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

TP-8-DB

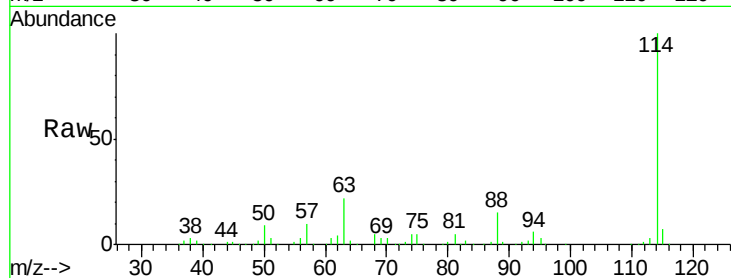
Tgt Ion:114 Resp: 168663

Ion Ratio Lower Upper

114 100

63 21.6 0.0 38.4

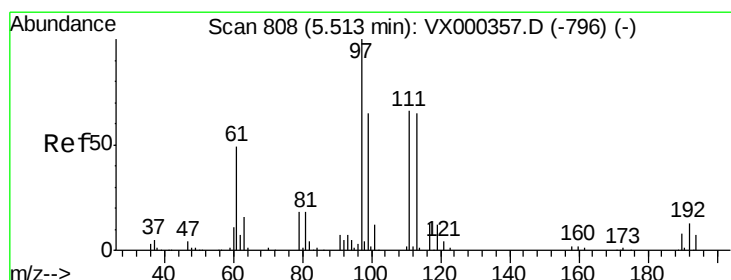
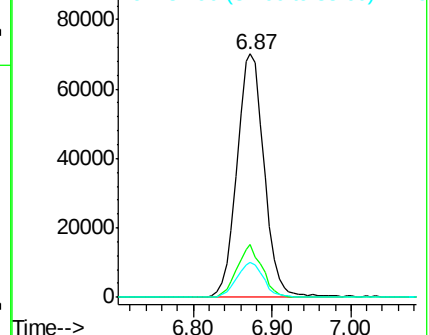
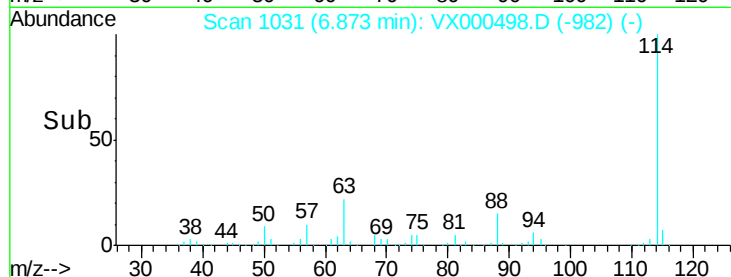
88 14.5 0.0 27.0



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: 50.38 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

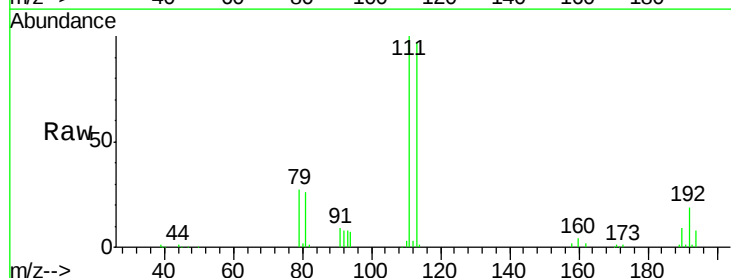
Tgt Ion:113 Resp: 53541

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

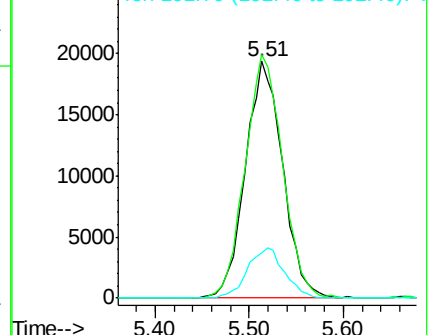
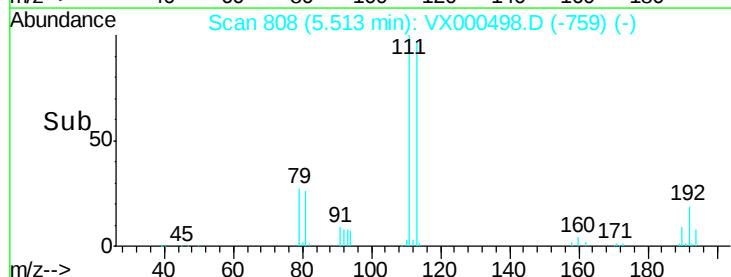
192 20.9 15.8 23.6

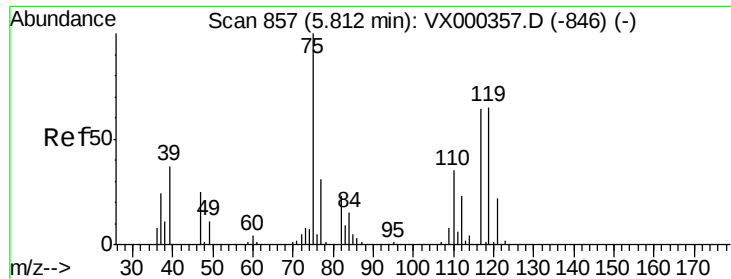


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

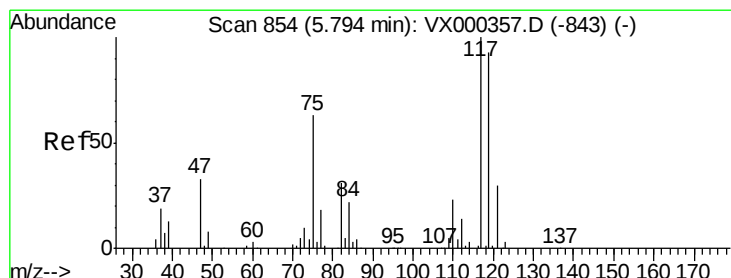
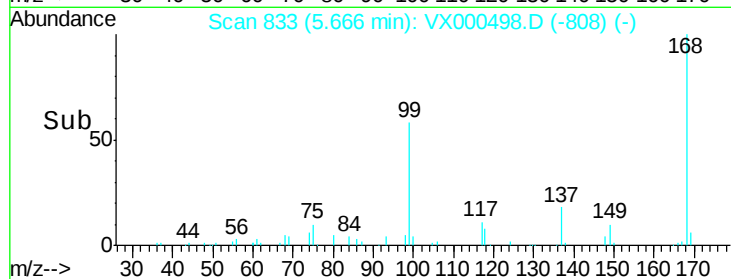
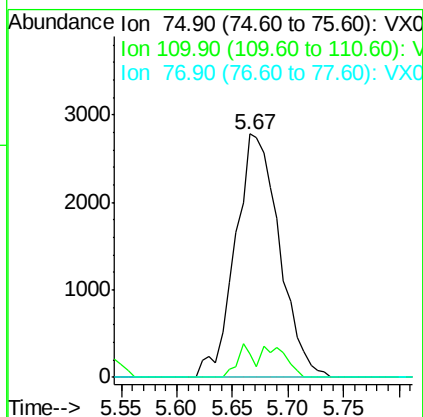
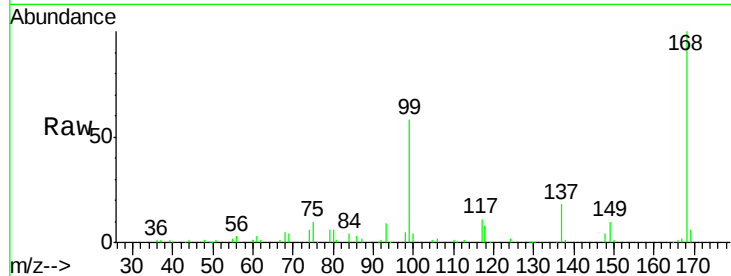




#36
 1,1-Dichloropropene
 Concen: 4.85 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

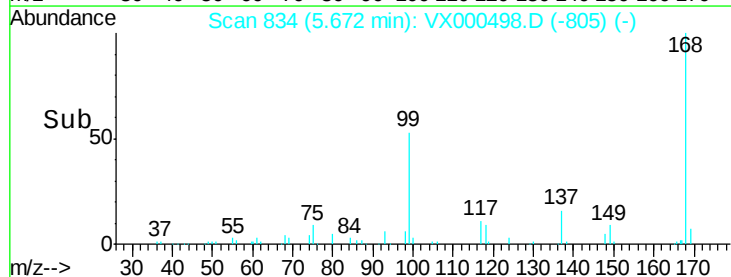
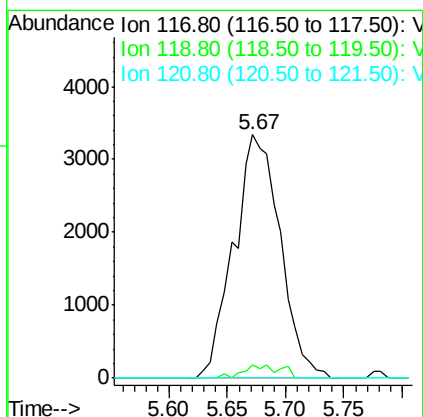
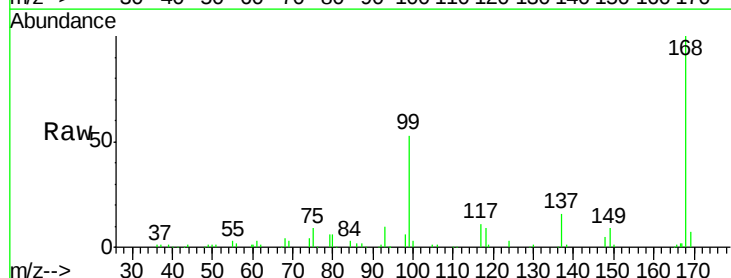
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8-DB

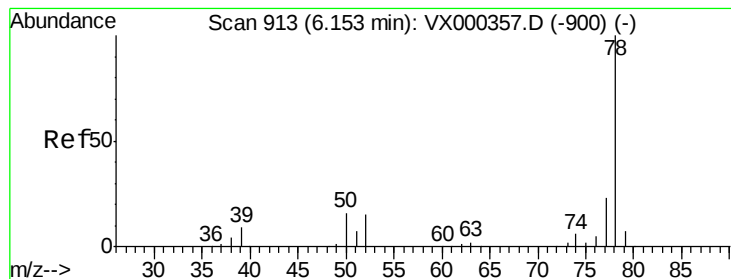
Tgt Ion: 75 Resp: 7658
 Ion Ratio Lower Upper
 75 100
 110 4.7 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.58 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

Tgt Ion: 117 Resp: 9248
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.4 116.2#
 121 0.0 24.8 37.2#





#40

Benzene

Concen: 3.25 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

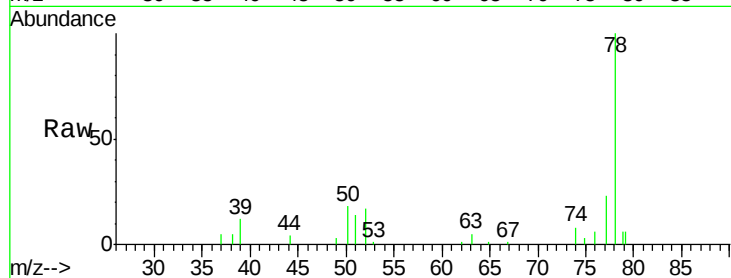
TP-8-DB

Tgt Ion: 78 Resp: 14899

Ion Ratio Lower Upper

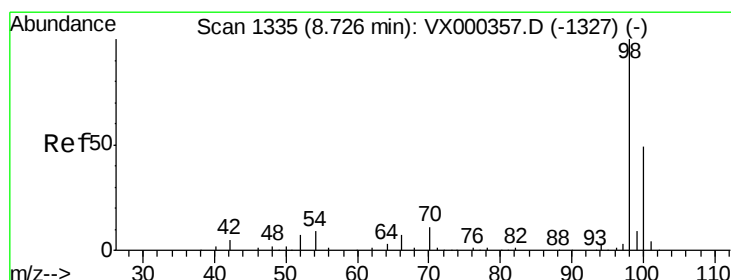
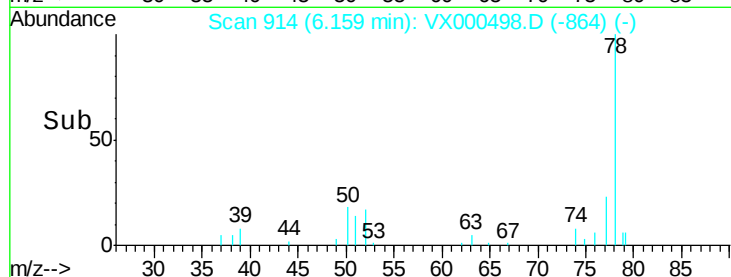
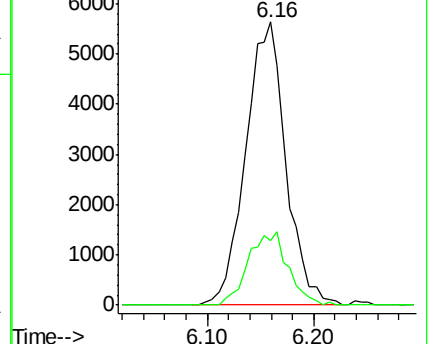
78 100

77 22.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.74 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000498.D

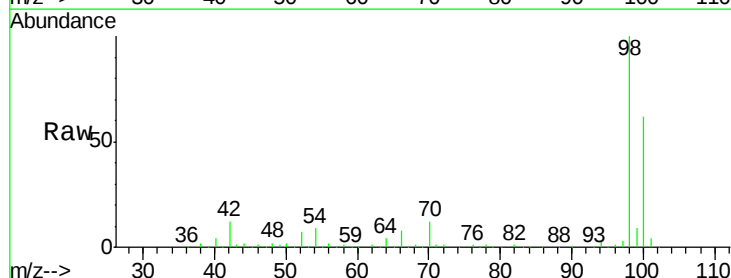
Acq: 28 Mar 2018 19:16

Tgt Ion: 98 Resp: 214514

Ion Ratio Lower Upper

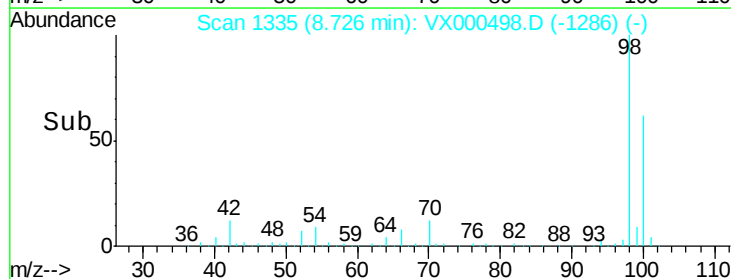
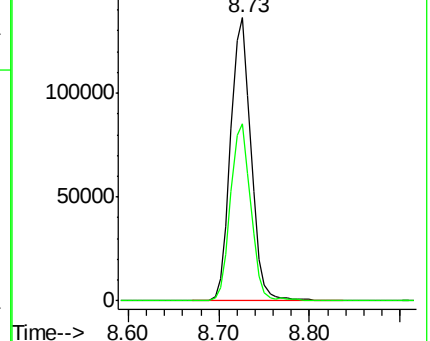
98 100

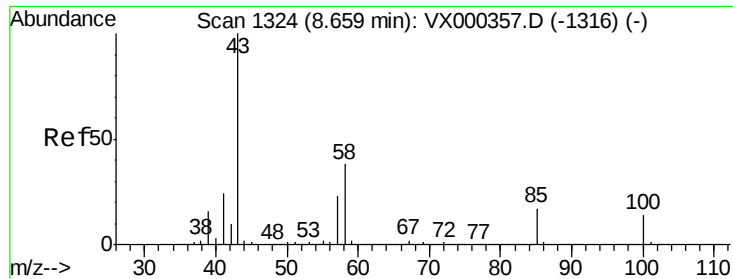
100 62.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

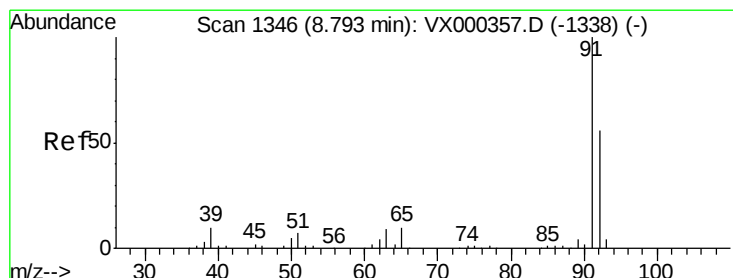
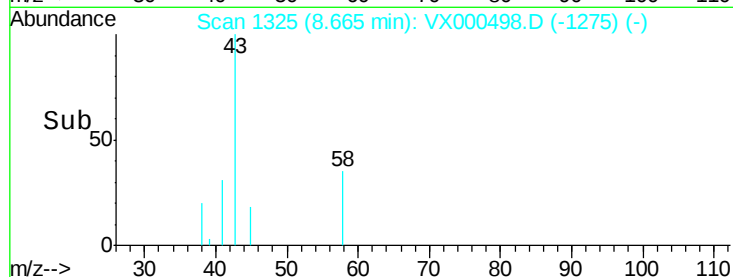
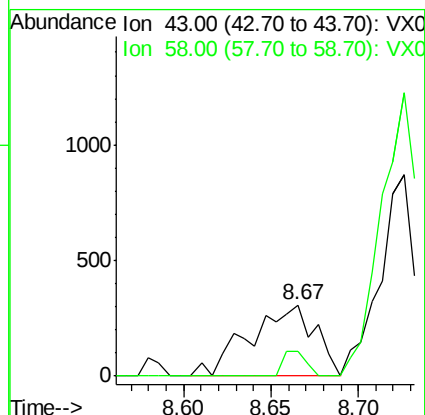
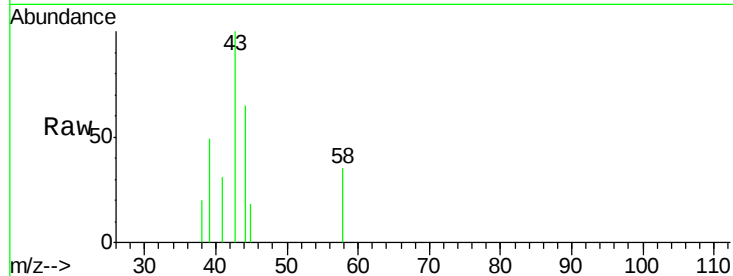




#51
 4-Methyl-2-Pentanone
 Concen: 0.32 ug/l
 RT: 8.67 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

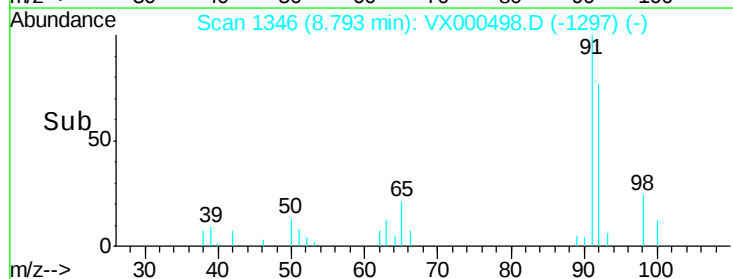
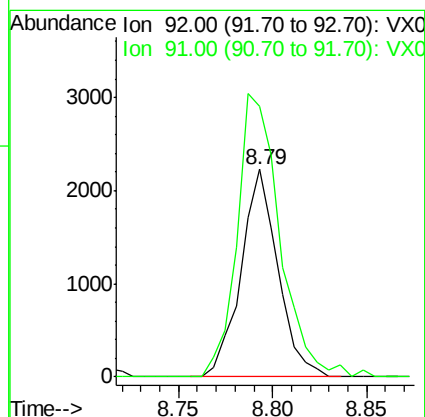
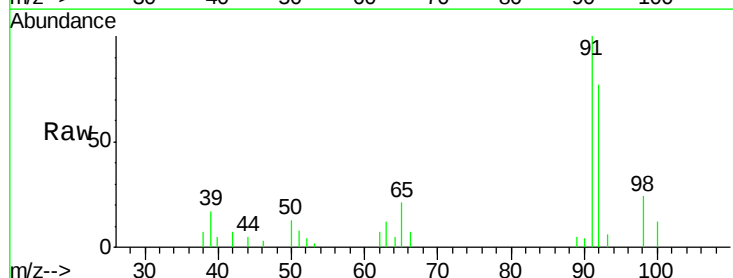
Instrument :
 MSVOA_X
 ClientSampled :
 TP-8-DB

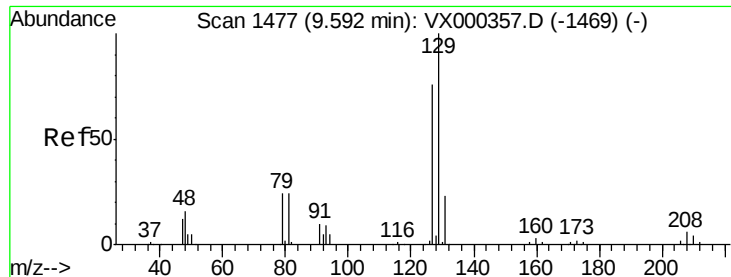
Tgt Ion: 43 Resp: 803
 Ion Ratio Lower Upper
 43 100
 58 12.1 30.3 45.5#



#52
 Toluene
 Concen: 0.95 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

Tgt Ion: 92 Resp: 3045
 Ion Ratio Lower Upper
 92 100
 91 157.3 140.2 210.2





#60

Dibromochloromethane

Concen: 4.15 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

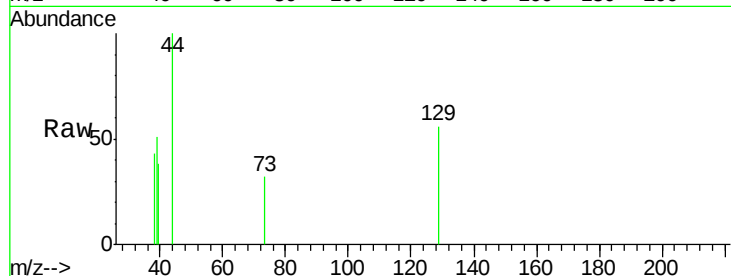
TP-8-DB

Tgt Ion:129 Resp: 56

Ion Ratio Lower Upper

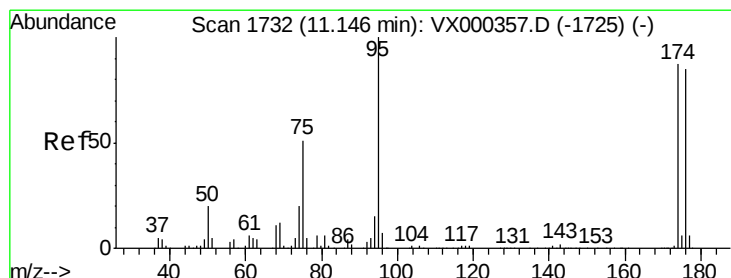
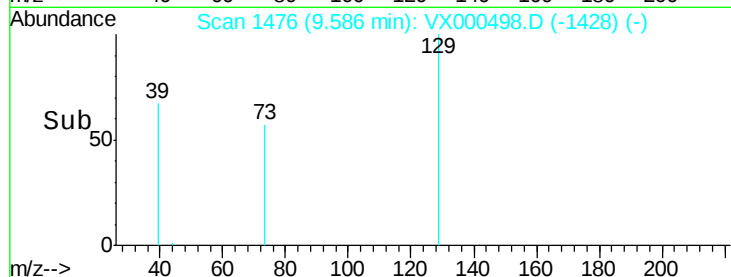
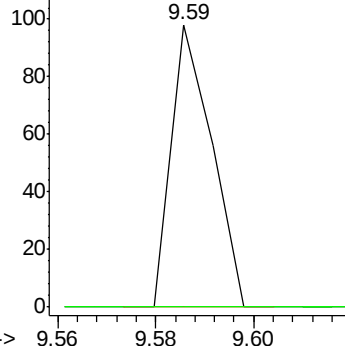
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 39.59 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

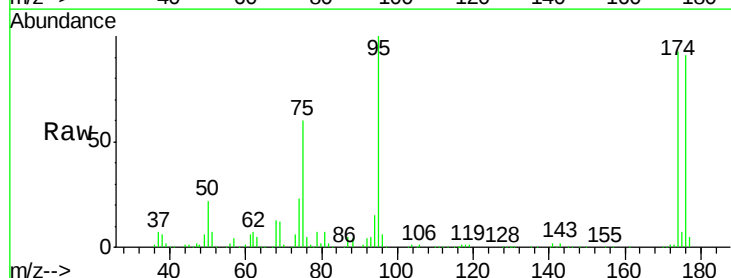
Tgt Ion: 95 Resp: 70910

Ion Ratio Lower Upper

95 100

174 95.4 0.0 173.6

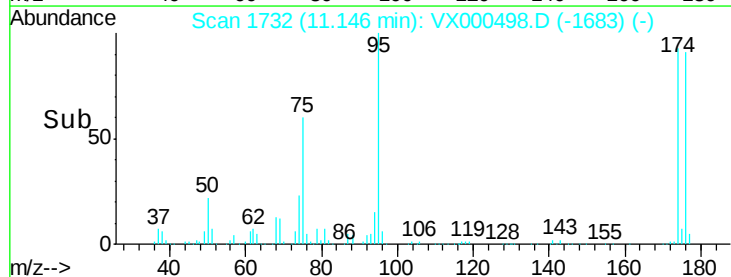
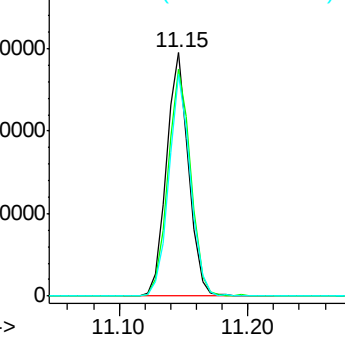
176 89.1 0.0 164.6

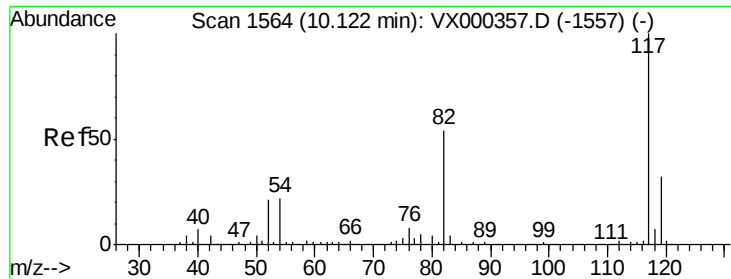


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

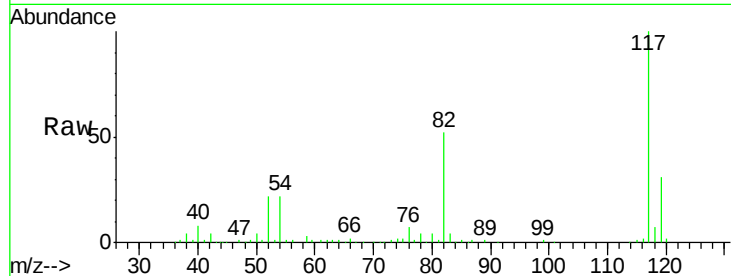




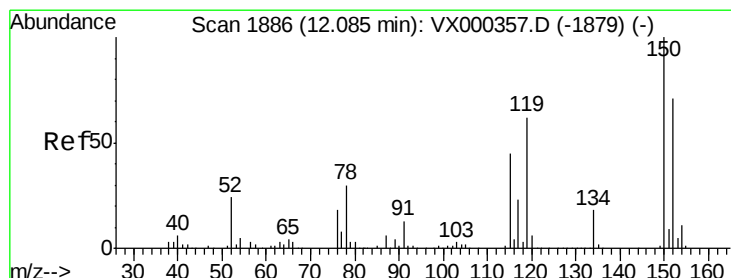
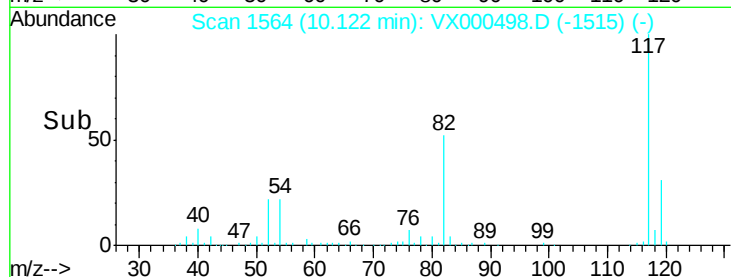
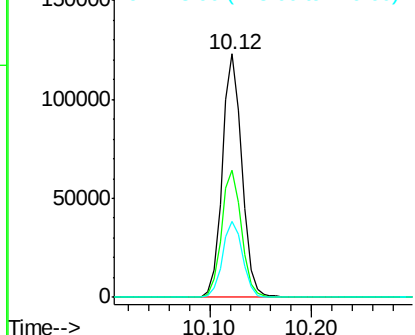
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8-DB

Tgt Ion:117 Resp: 164134
 Ion Ratio Lower Upper
 117 100
 82 52.2 43.8 65.8
 119 31.4 24.9 37.3

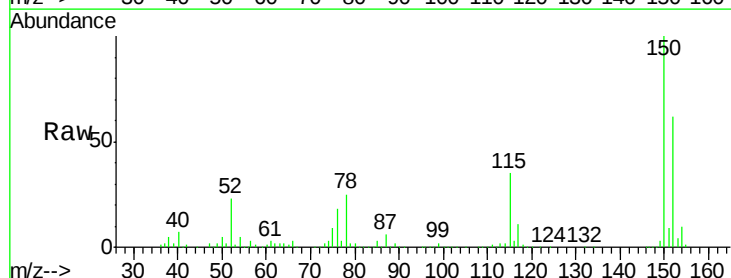


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

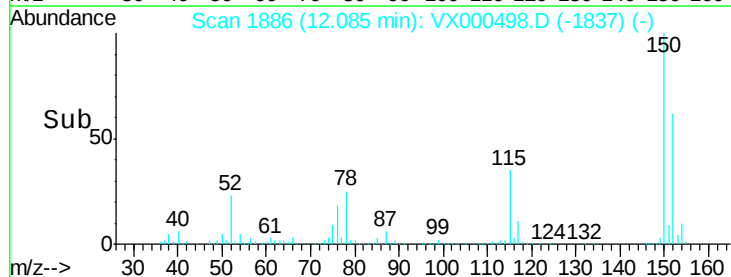
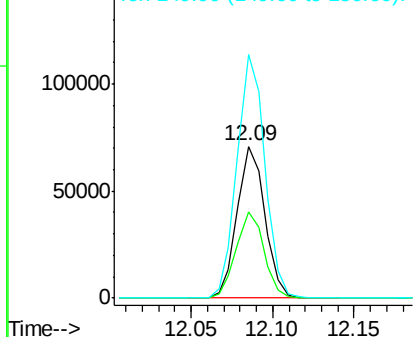


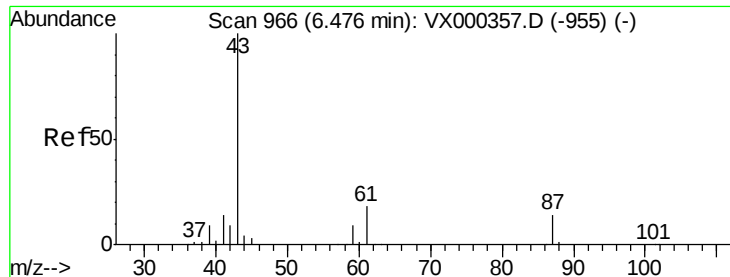
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000498.D
 Acq: 28 Mar 2018 19:16

Tgt Ion:152 Resp: 84331
 Ion Ratio Lower Upper
 152 100
 115 57.0 39.8 119.3
 150 161.1 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-amyI acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

TP-8-DB

Tgt Ion: 43 Resp: 596

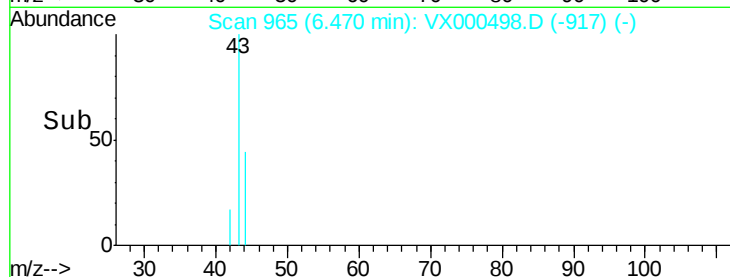
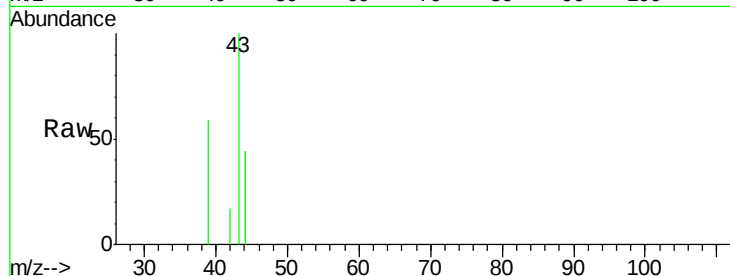
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 8.9 14.4 21.6#

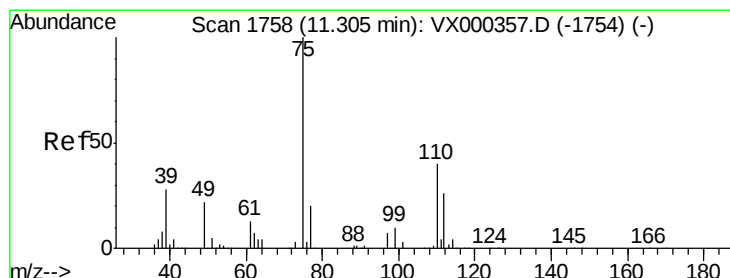
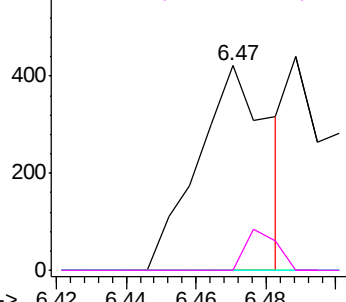


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.39 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000498.D

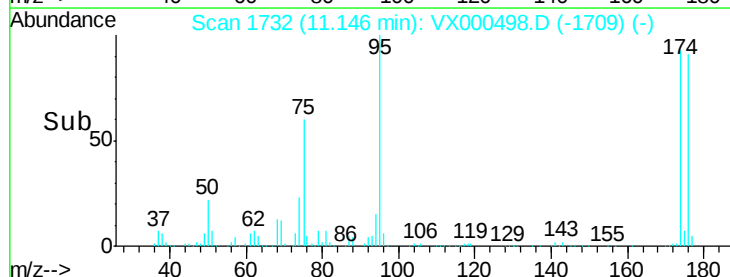
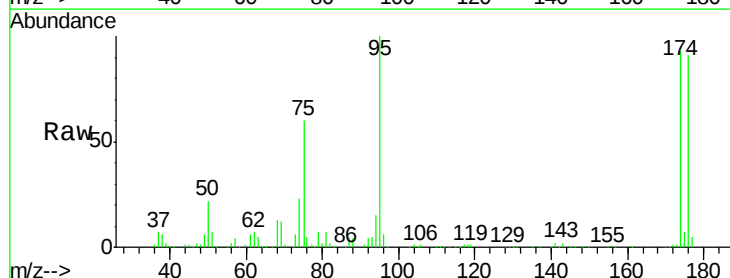
Acq: 28 Mar 2018 19:16

Tgt Ion: 75 Resp: 42389

Ion Ratio Lower Upper

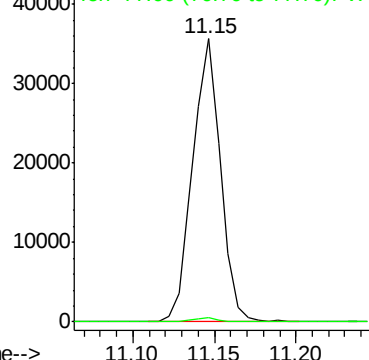
75 100

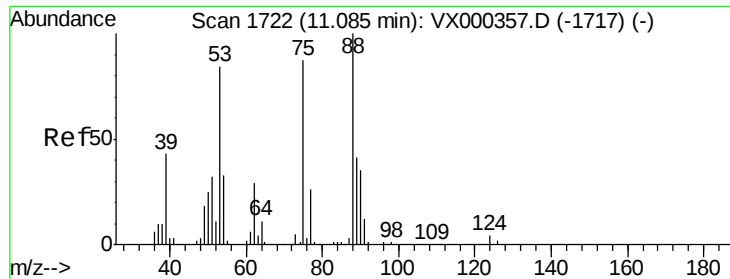
77 1.4 21.4 64.2#



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: 75.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

TP-8-DB

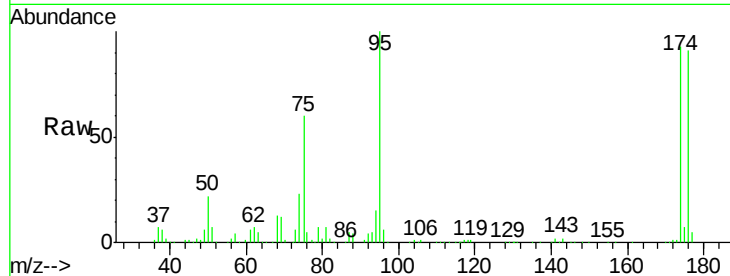
Tgt Ion: 75 Resp: 42389

Ion Ratio Lower Upper

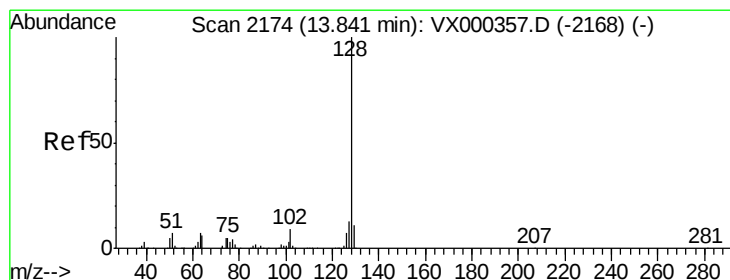
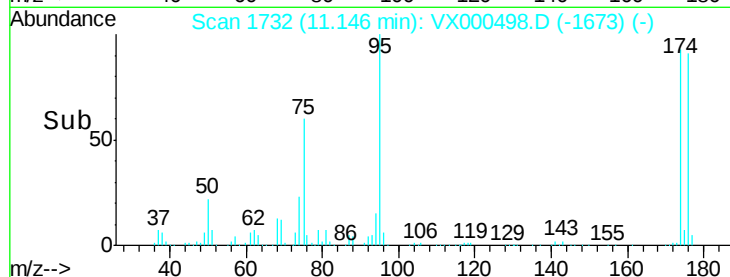
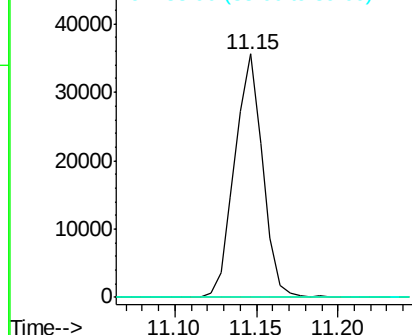
75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.30 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000498.D

Acq: 28 Mar 2018 19:16

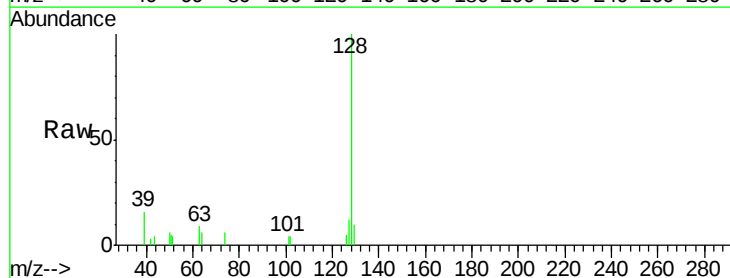
Tgt Ion: 128 Resp: 2074

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

129 7.2 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

