

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040218\
 Data File : VX000637.D
 Acq On : 02 Apr 2018 13:36
 Operator : JC/MD
 Sample : J1757-10 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-03-033018-B

Quant Time: Apr 03 02:40:00 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	127794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	210087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	205744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	110804	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	81362	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	5.51	113	64187	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	8.73	98	264899	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.15	95	93857	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	

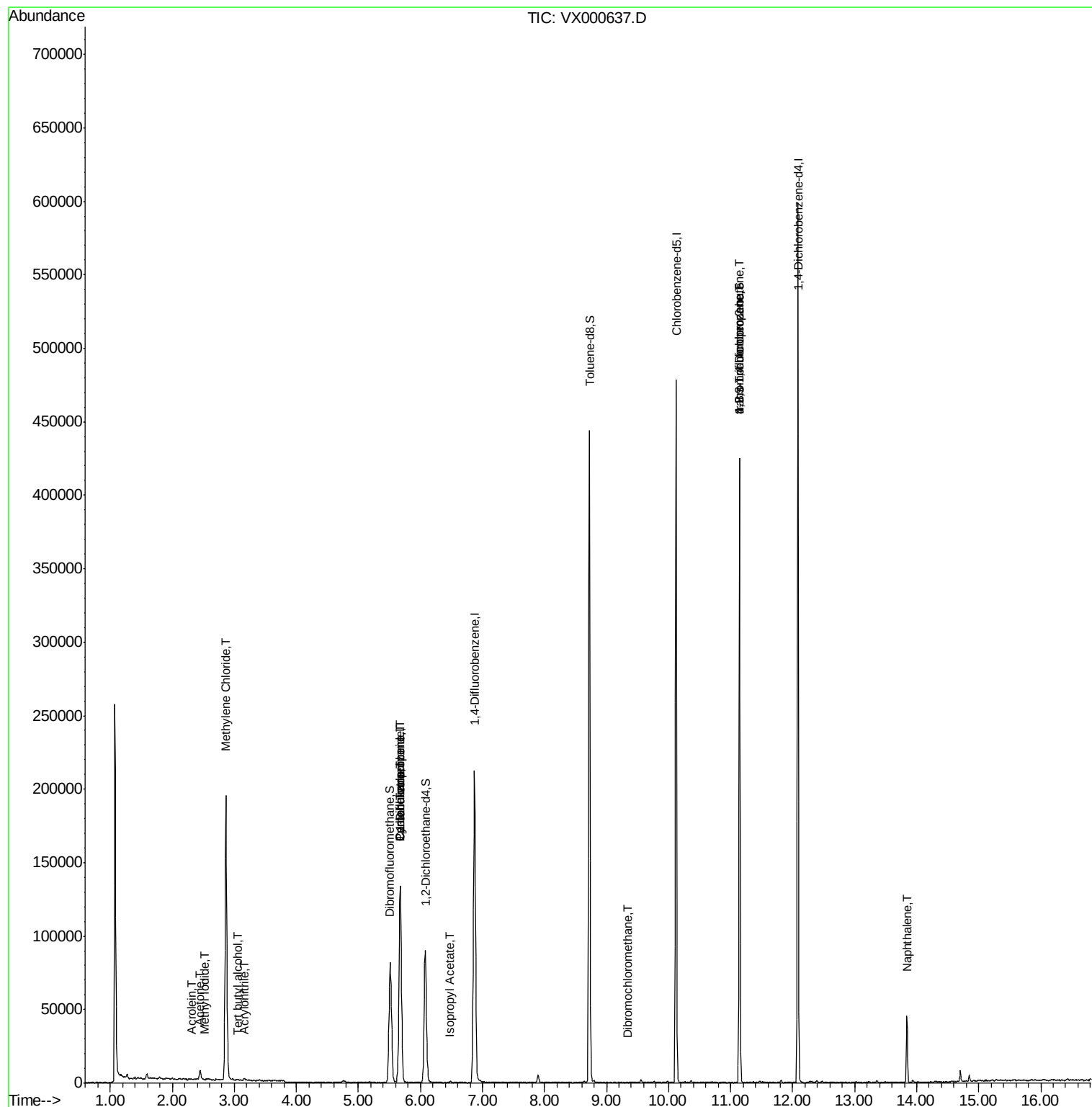
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	180	Below Cal	#	44
10) Methyl Iodide	2.51	142	23	4.29	ug/l #	29
11) Tert butyl alcohol	3.06	59	163	0.28	ug/l #	18
13) Acrolein	2.31	56	47	14.82	ug/l #	13
14) Allyl chloride	2.73	41	205	Below Cal	#	66
15) Acrylonitrile	3.15	53	256	0.22	ug/l #	58
16) Acetone	2.45	43	7931	5.72	ug/l	90
20) Methylene Chloride	2.87	84	87301	54.47	ug/l	97
31) Cyclohexane	5.67	56	3322	1.58	ug/l #	36
36) 1,1-Dichloropropene	5.68	75	10390	5.28	ug/l #	47
38) Carbon Tetrachloride	5.68	117	12441	6.03	ug/l #	16
43) Isopropyl Acetate	6.48	43	946	0.24	ug/l #	69
60) Dibromochloromethane	9.34	129	23	4.13	ug/l #	12
74) N-amyl acetate	6.48	43	946	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	53667	22.54	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	53667	72.96	ug/l #	9
95) Naphthalene	13.84	128	26206	2.89	ug/l	99

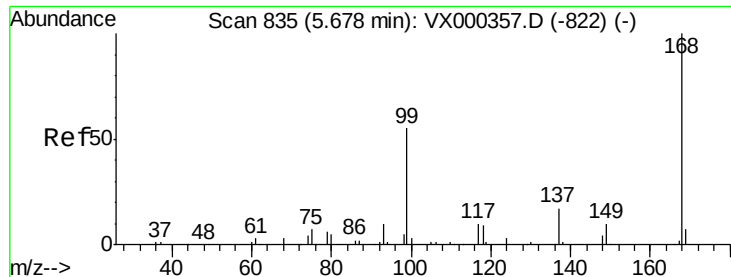
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

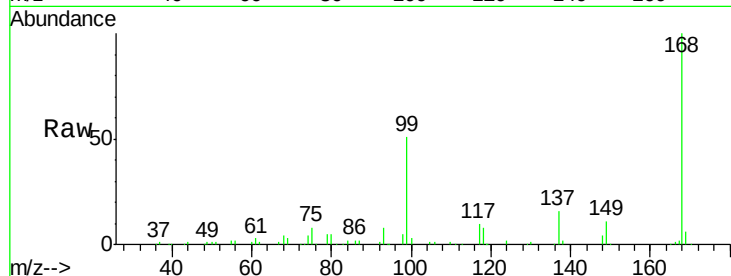
EO-03-033018-B

Tgt Ion: 168 Resp: 127794

Ion Ratio Lower Upper

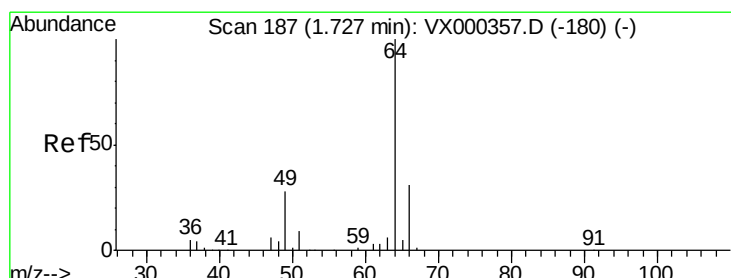
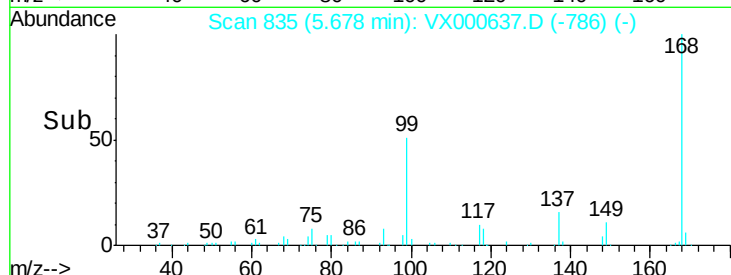
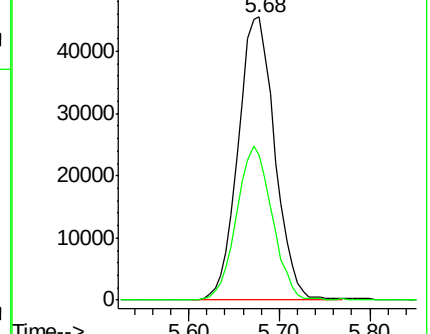
168 100

99 51.4 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# 182

Delta R.T. -0.03 min

Lab File: VX000637.D

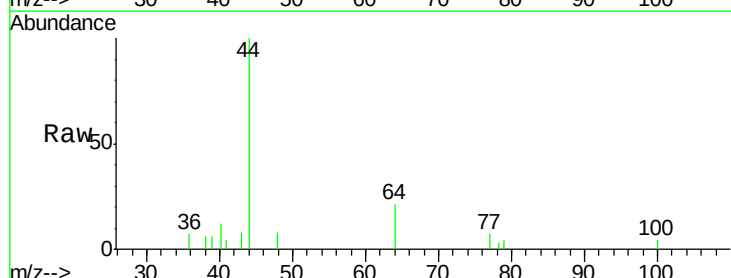
Acq: 02 Apr 2018 13:36

Tgt Ion: 64 Resp: 180

Ion Ratio Lower Upper

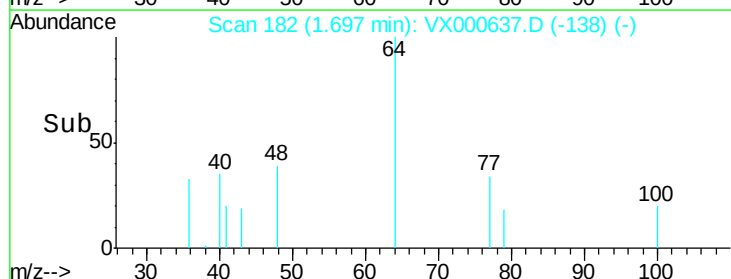
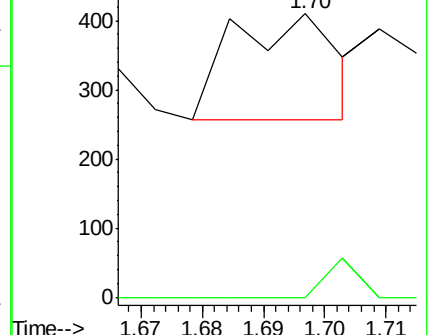
64 100

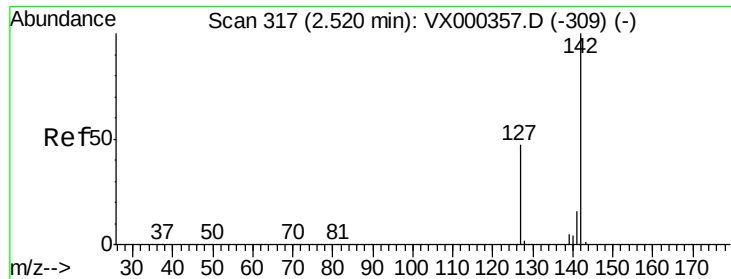
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

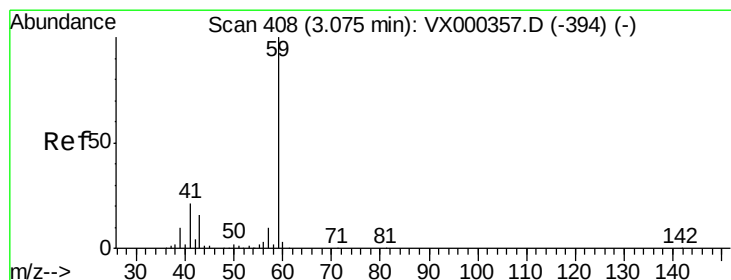
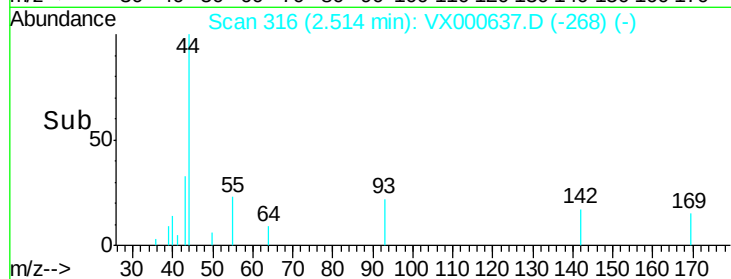
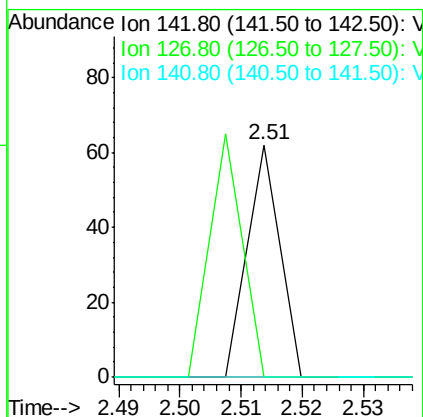
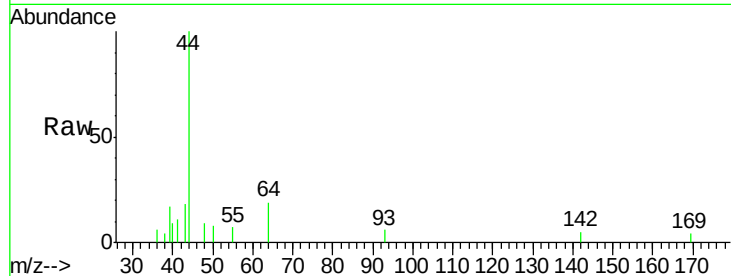




#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000637.D
Acq: 02 Apr 2018 13:36

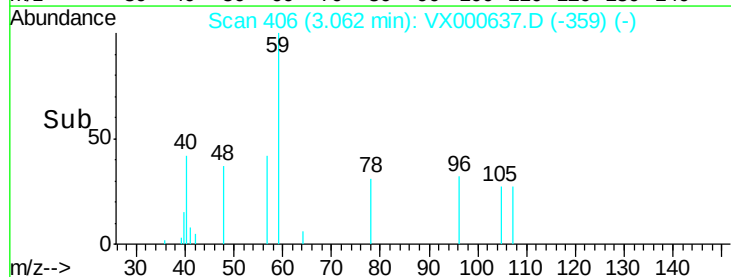
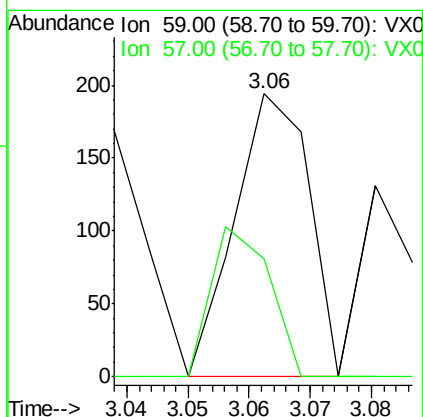
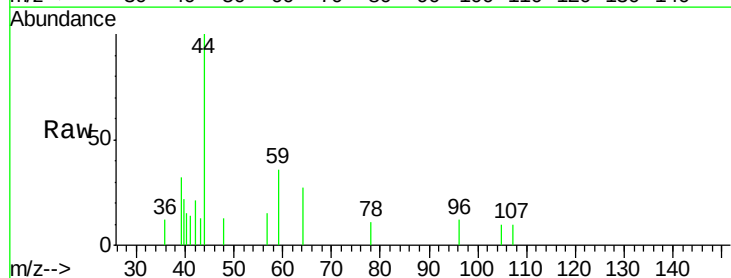
Instrument :
MSVOA_X
ClientSampleId :
EO-03-033018-B

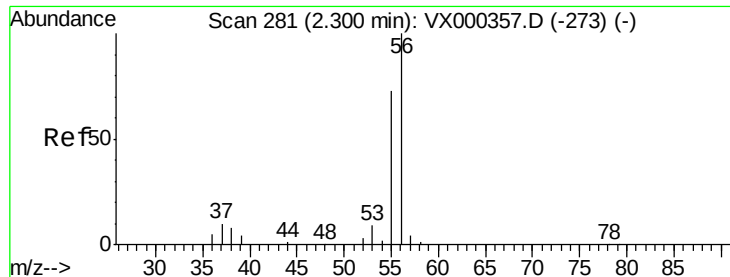
Tgt Ion: 142 Resp: 23
Ion Ratio Lower Upper
142 100
127 104.3 39.2 58.8#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000637.D
Acq: 02 Apr 2018 13:36

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 41.1 8.4 12.6#





#13

Acrolein

Concen: 14.82 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

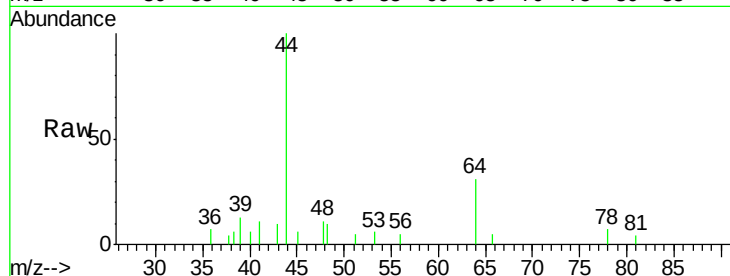
EO-03-033018-B

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

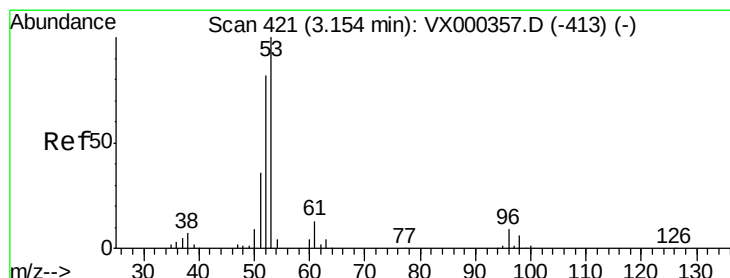
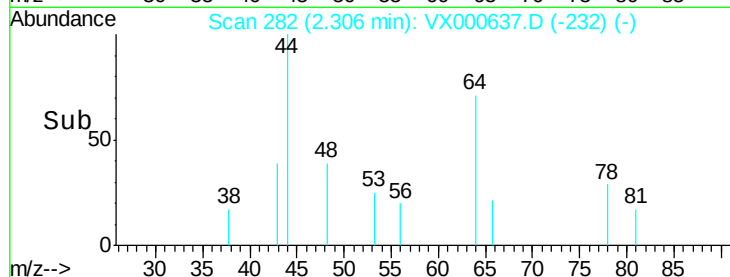
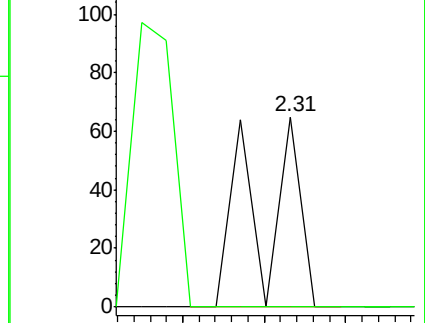
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

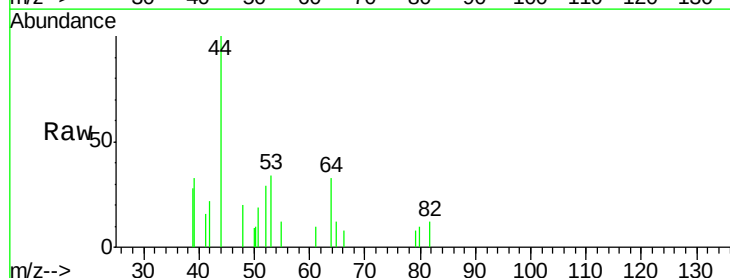
Tgt Ion: 53 Resp: 256

Ion Ratio Lower Upper

53 100

52 112.9 66.6 99.8#

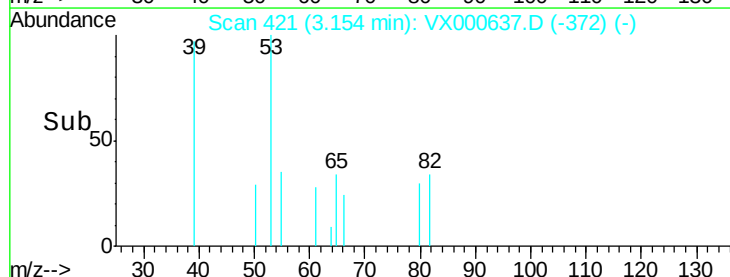
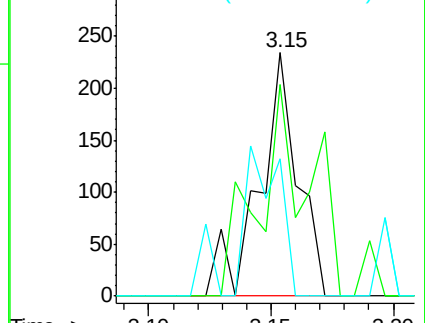
51 0.0 29.3 43.9#

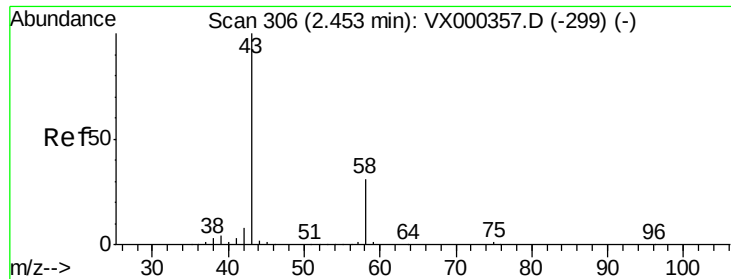


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 5.72 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

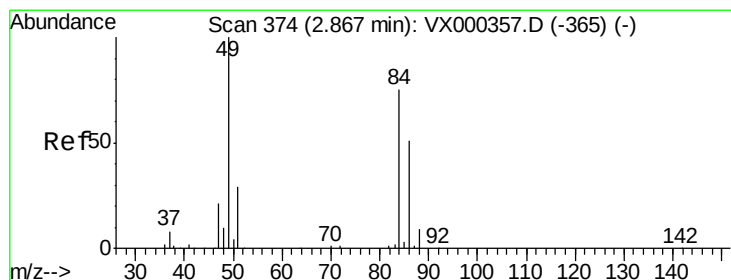
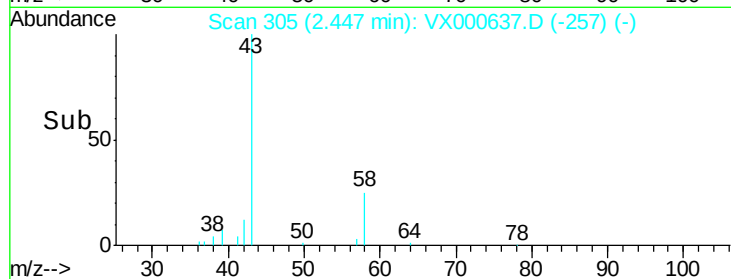
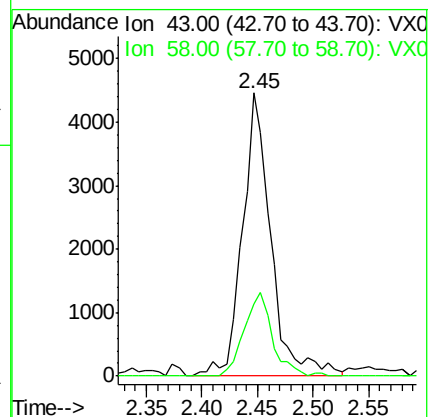
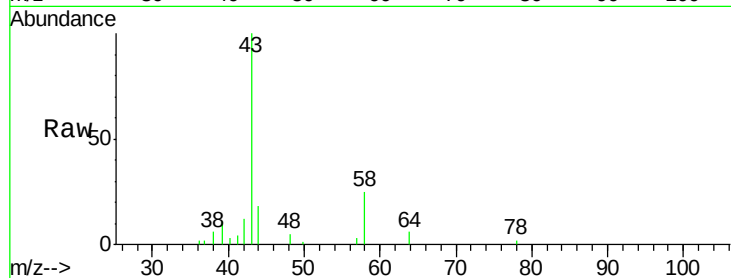
EO-03-033018-B

Tgt Ion: 43 Resp: 7931

Ion Ratio Lower Upper

43 100

58 25.3 24.7 37.1



#20

Methylene Chloride

Concen: 54.47 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Tgt Ion: 84 Resp: 87301

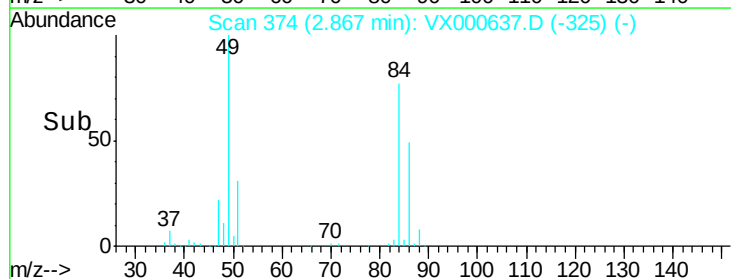
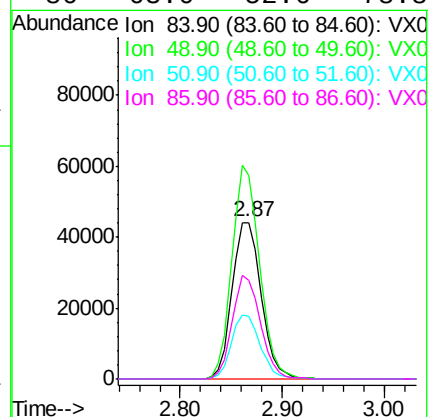
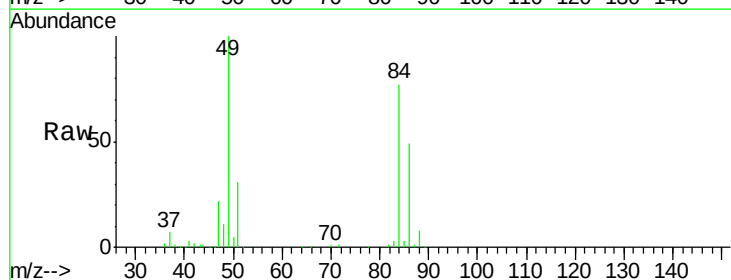
Ion Ratio Lower Upper

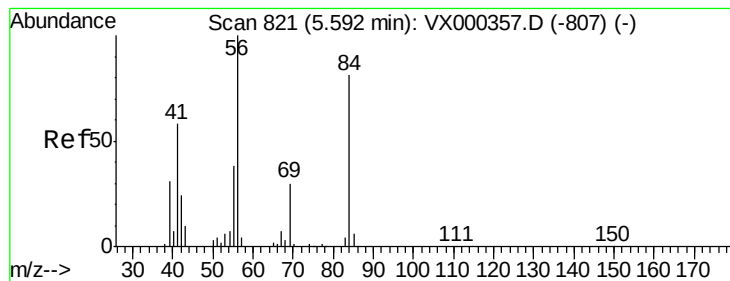
84 100

49 129.8 100.6 151.0

51 39.9 31.6 47.4

86 63.0 52.6 78.8





#31

Cyclohexane

Concen: 1.58 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

EO-03-033018-B

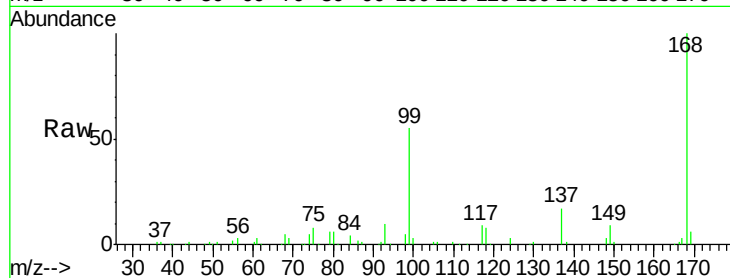
Tgt Ion: 56 Resp: 3322

Ion Ratio Lower Upper

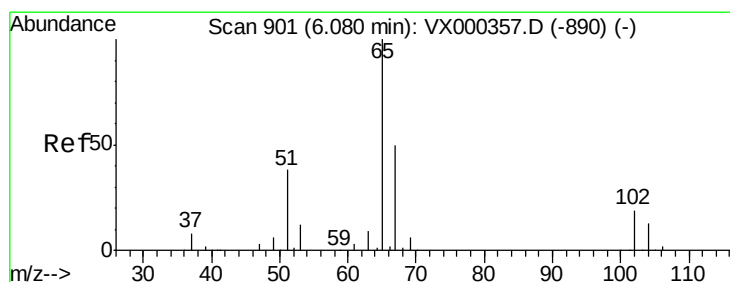
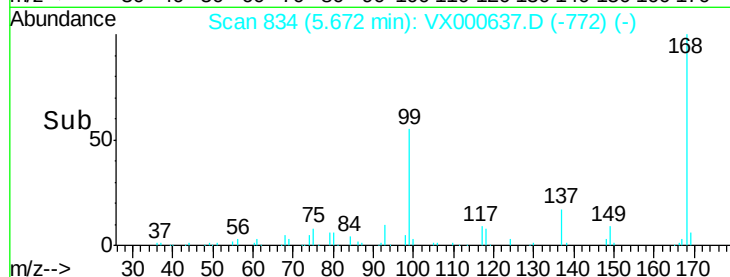
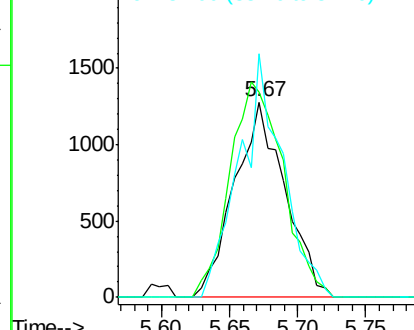
56 100

69 105.2 23.4 35.0#

84 124.8 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: 48.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000637.D

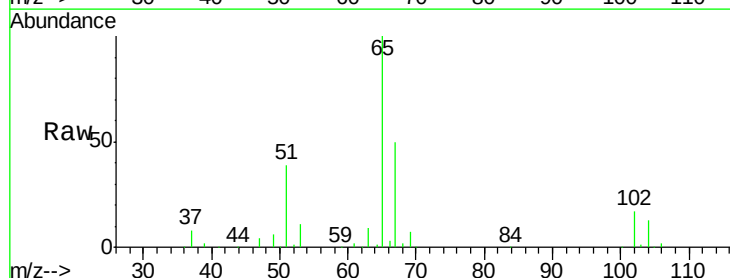
Acq: 02 Apr 2018 13:36

Tgt Ion: 65 Resp: 81362

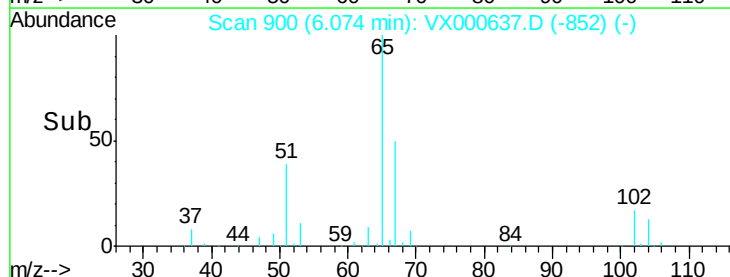
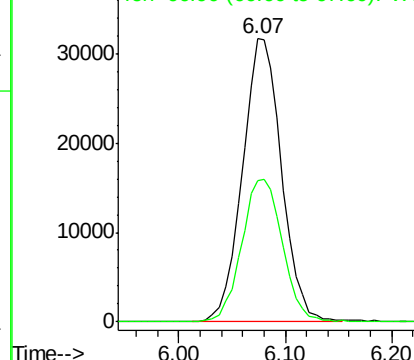
Ion Ratio Lower Upper

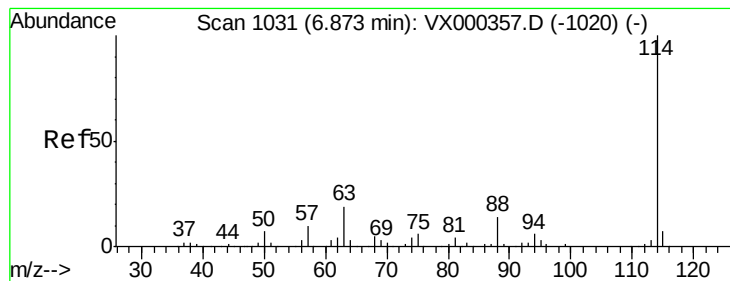
65 100

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: VX000637.D

Acq: 02 Apr 2018 13:36

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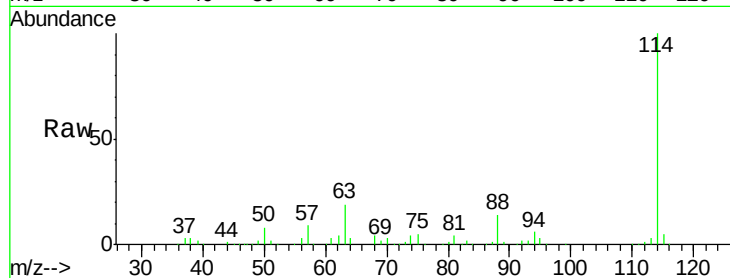
Tgt Ion:114 Resp: 210087

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

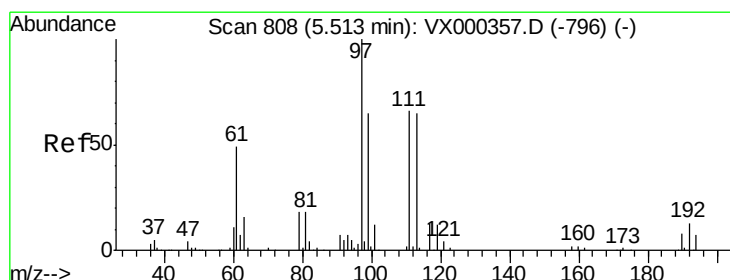
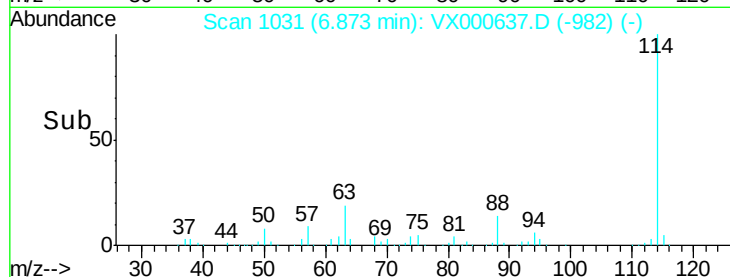
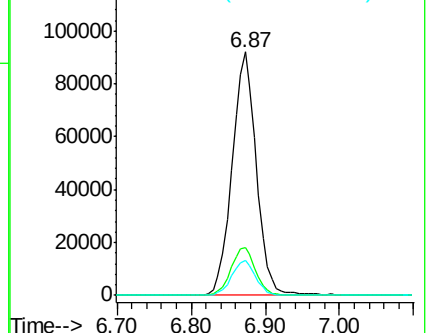
88 14.3 0.0 27.0



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: 48.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

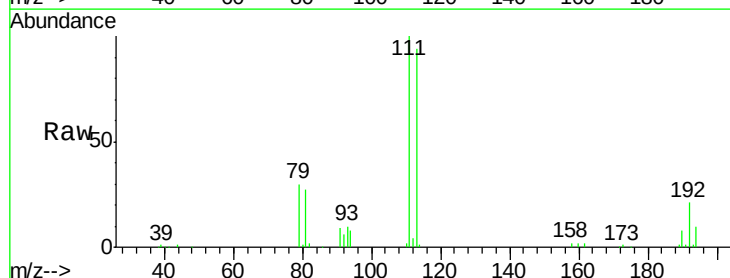
Tgt Ion:113 Resp: 64187

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

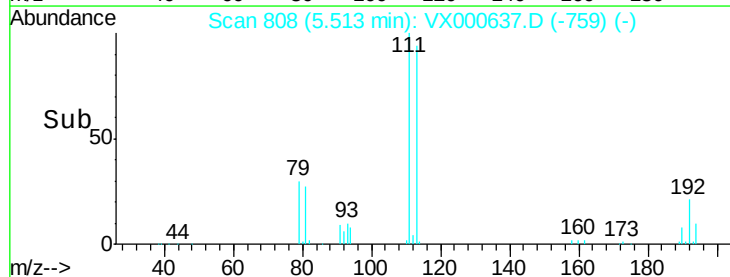
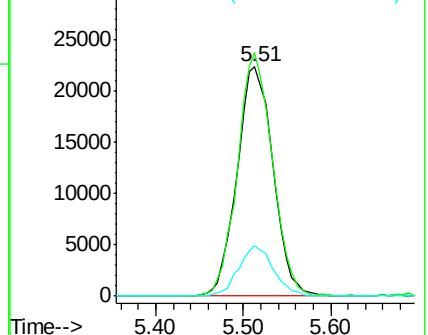
192 21.1 15.8 23.6

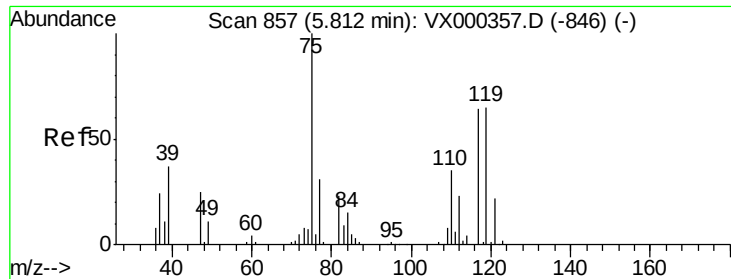


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

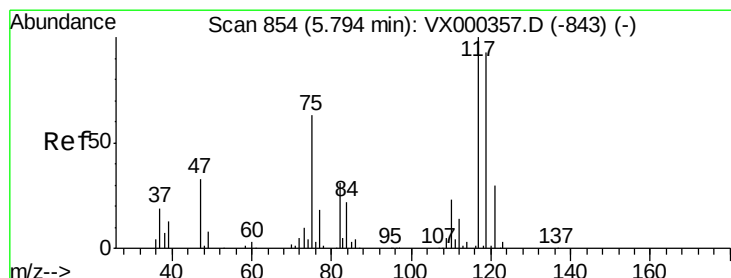
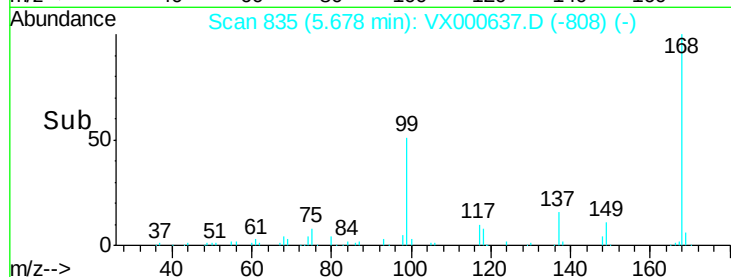
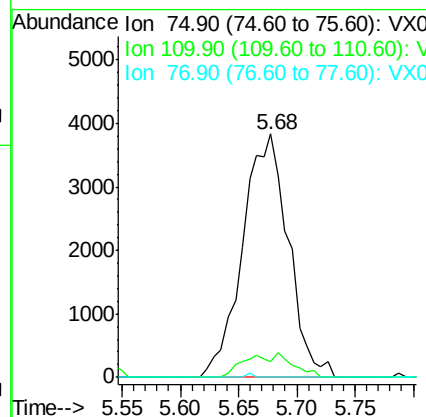
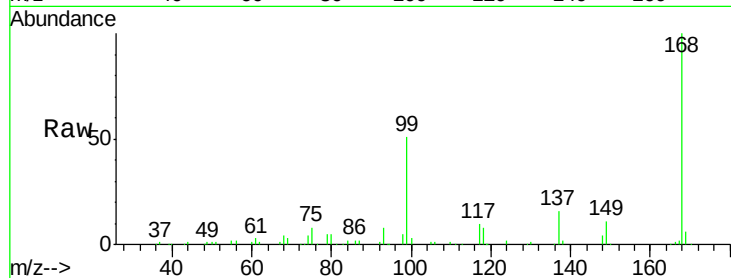




#36
 1,1-Dichloropropene
 Concen: 5.28 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000637.D
 Acq: 02 Apr 2018 13:36

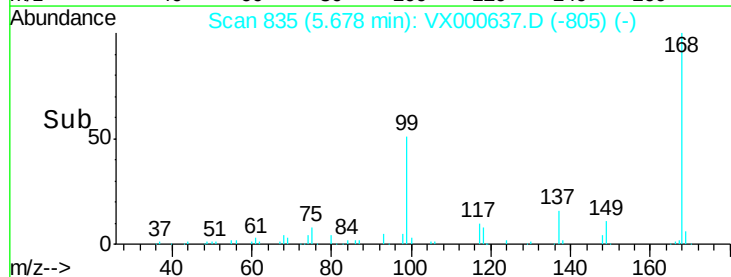
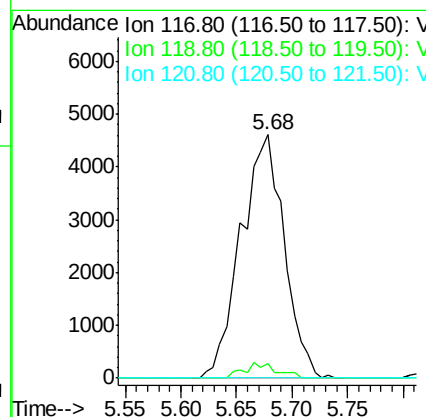
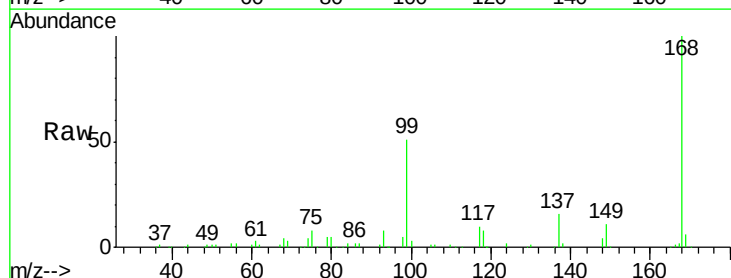
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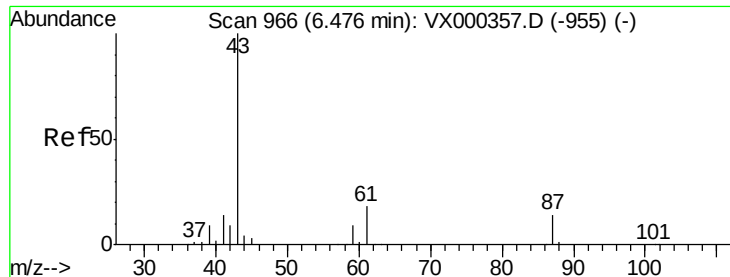
Tgt Ion: 75 Resp: 10390
 Ion Ratio Lower Upper
 75 100
 110 6.0 17.9 53.7#
 77 0.3 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 6.03 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000637.D
 Acq: 02 Apr 2018 13:36

Tgt Ion: 117 Resp: 12441
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.24 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

EO-03-033018-B

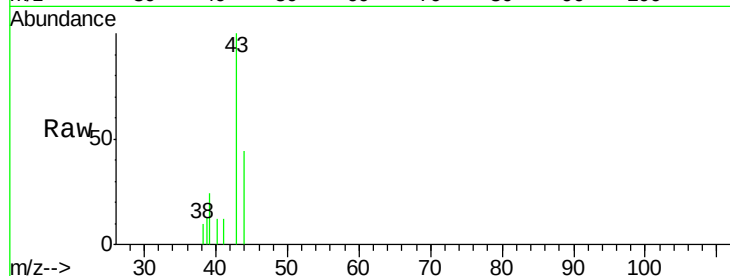
Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

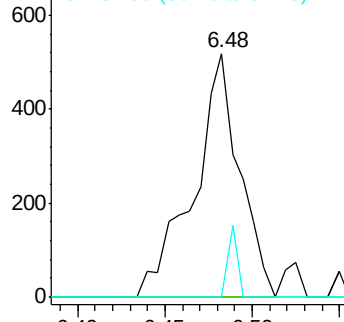
87 5.9 11.0 16.4#



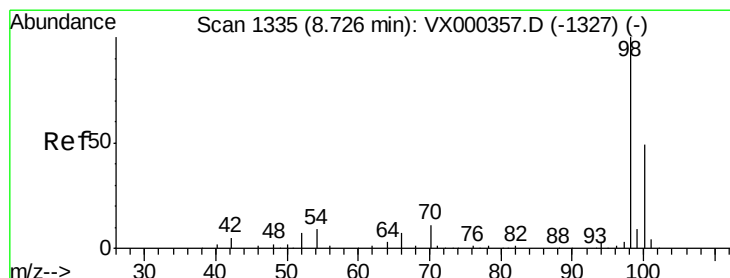
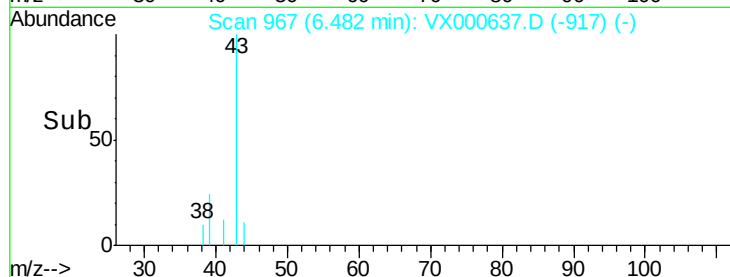
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.32 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000637.D

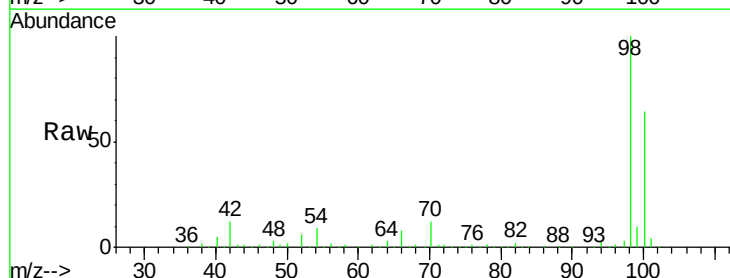
Acq: 02 Apr 2018 13:36

Tgt Ion: 98 Resp: 264899

Ion Ratio Lower Upper

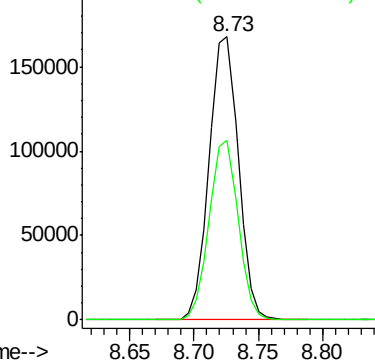
98 100

100 62.7 51.2 76.8

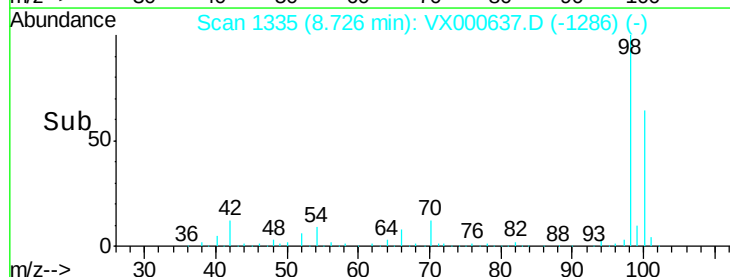


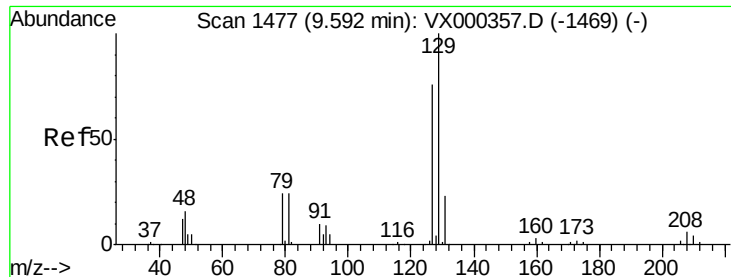
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

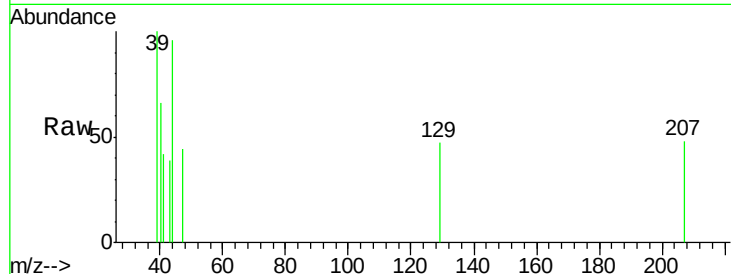
EO-03-033018-B

Tgt Ion: 129 Resp: 23

Ion Ratio Lower Upper

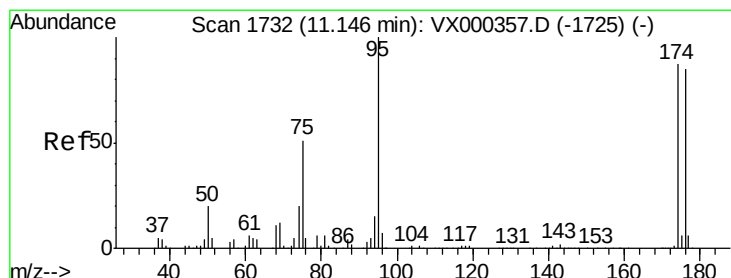
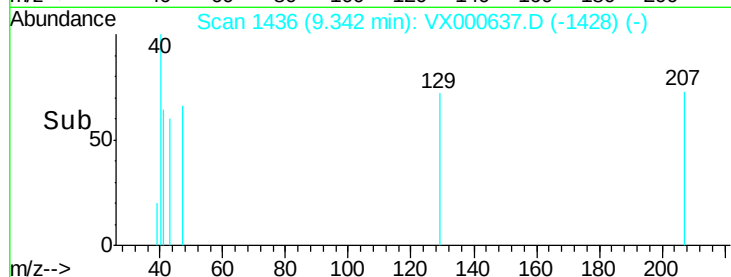
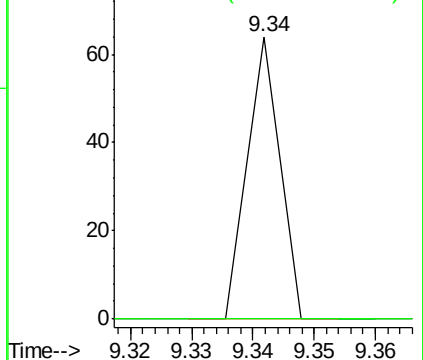
129 100

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: 41.69 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

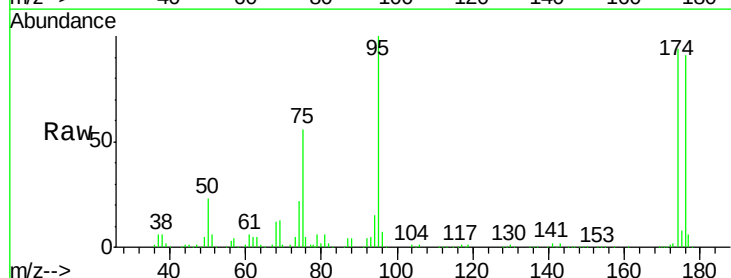
Tgt Ion: 95 Resp: 93857

Ion Ratio Lower Upper

95 100

174 90.5 0.0 173.6

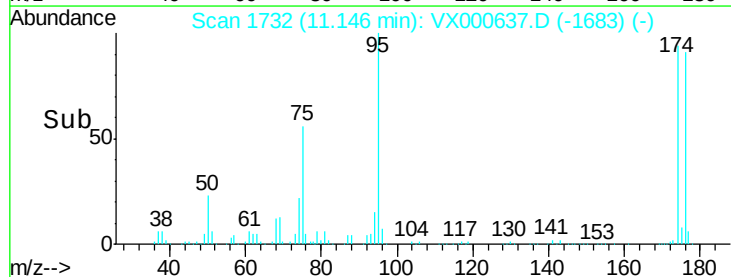
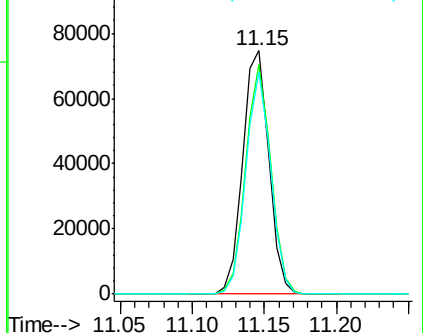
176 86.4 0.0 164.6

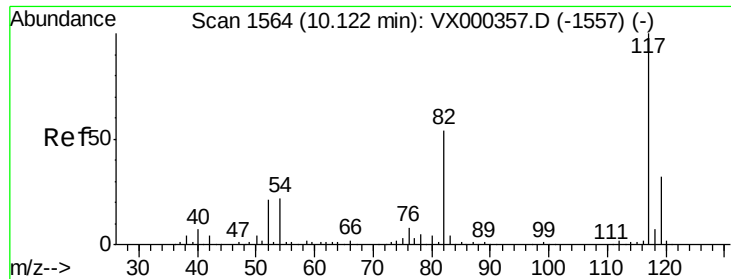


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

EO-03-033018-B

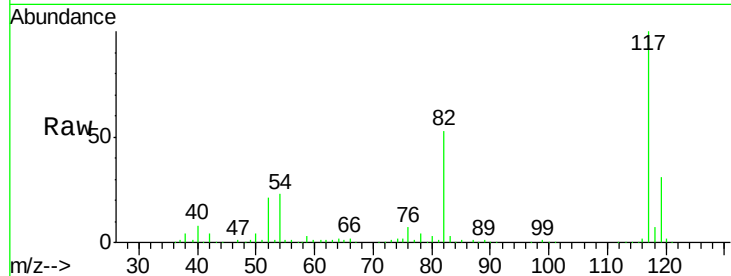
Tgt Ion:117 Resp: 205744

Ion Ratio Lower Upper

117 100

82 53.4 43.8 65.8

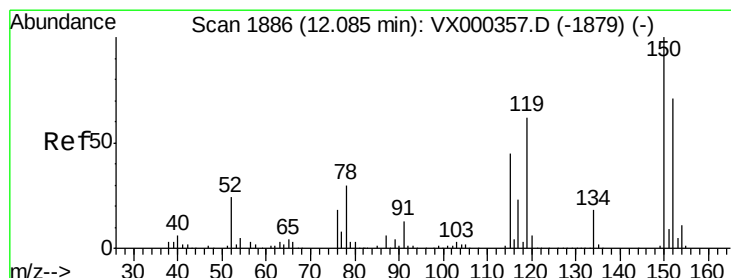
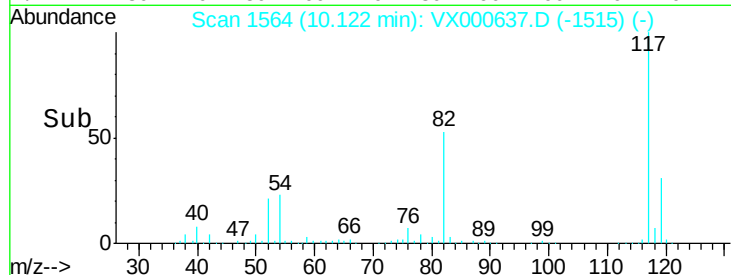
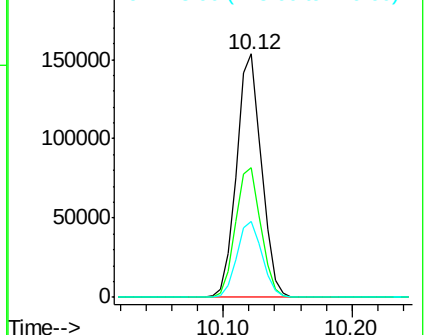
119 31.1 24.9 37.3



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: VX000637.D

Acq: 02 Apr 2018 13:36

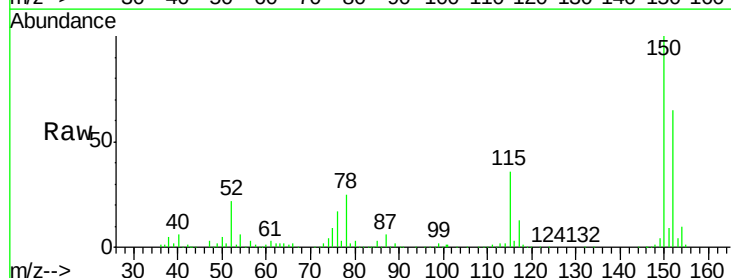
Tgt Ion:152 Resp: 110804

Ion Ratio Lower Upper

152 100

115 56.6 39.8 119.3

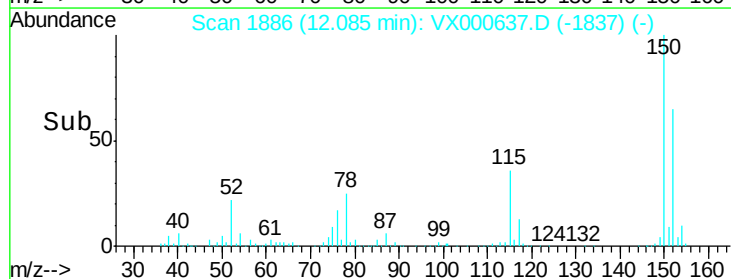
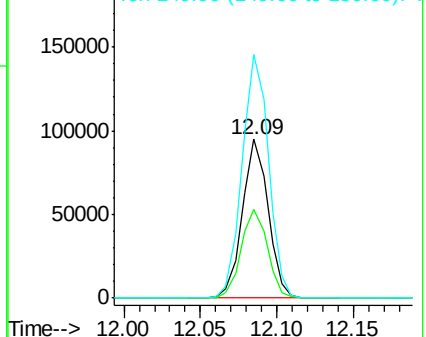
150 157.6 0.0 344.4

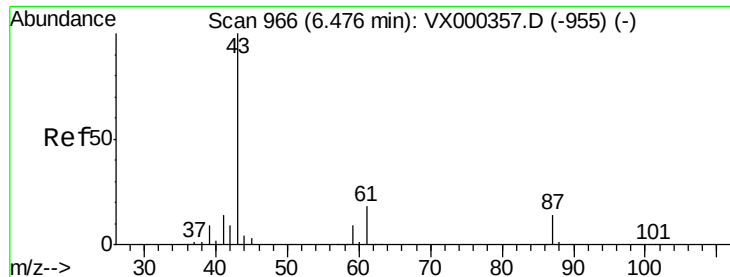


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

EO-03-033018-B

Tgt Ion: 43 Resp: 946

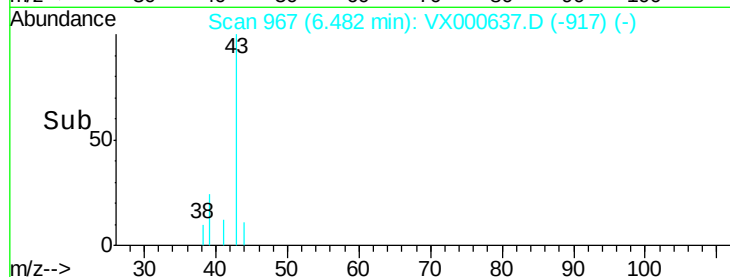
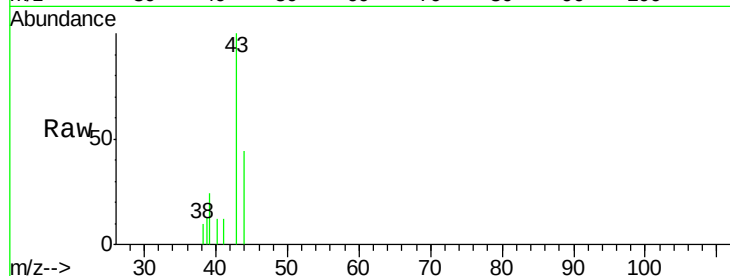
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

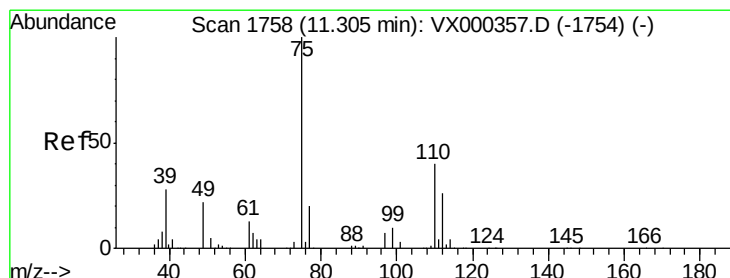
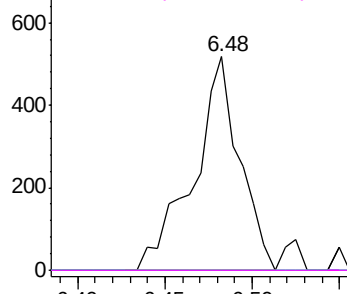


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.54 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000637.D

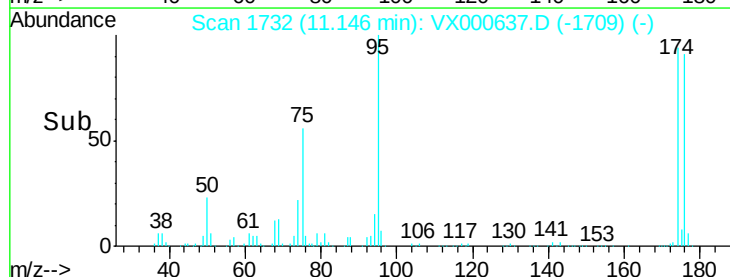
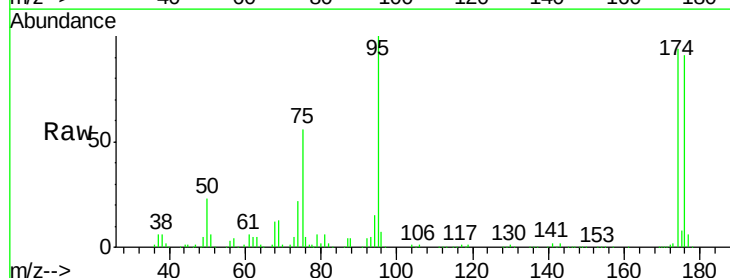
Acq: 02 Apr 2018 13:36

Tgt Ion: 75 Resp: 53667

Ion Ratio Lower Upper

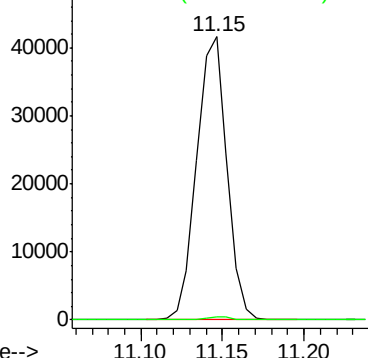
75 100

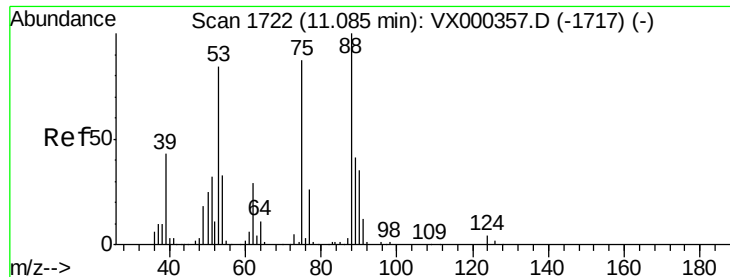
77 1.0 21.4 64.2#



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: 72.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

EO-03-033018-B

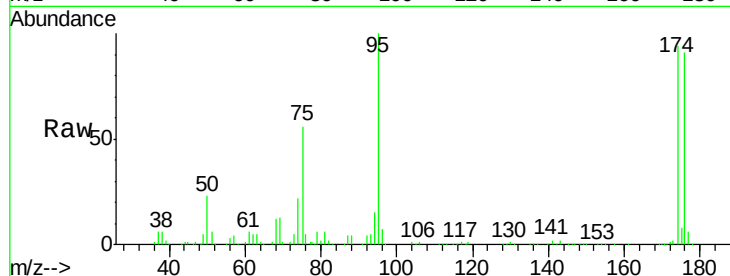
Tgt Ion: 75 Resp: 53667

Ion Ratio Lower Upper

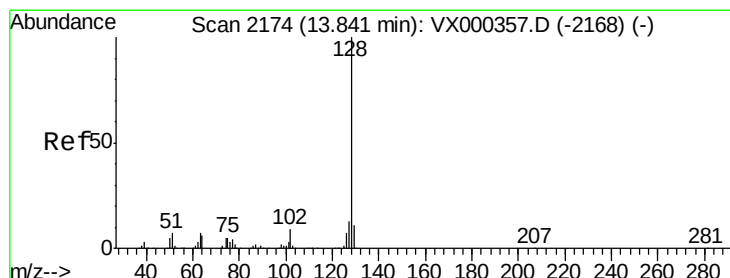
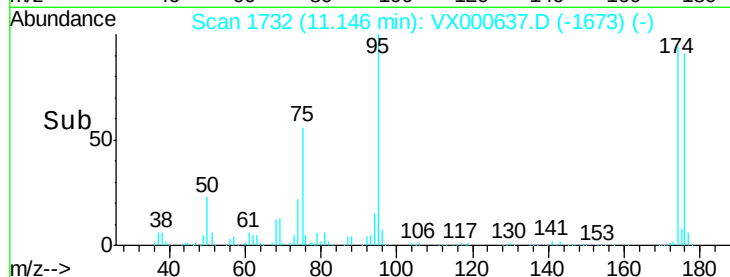
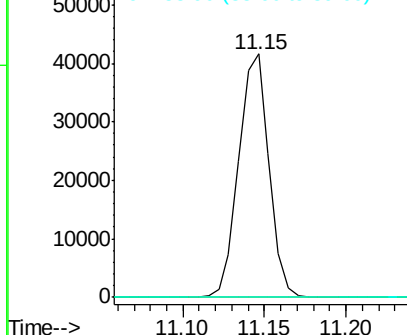
75 100

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: 2.89 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000637.D

Acq: 02 Apr 2018 13:36

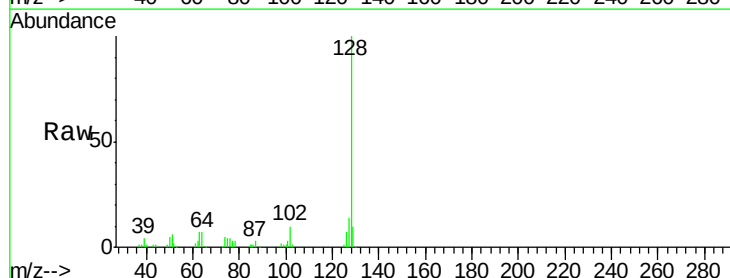
Tgt Ion: 128 Resp: 26206

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.5 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

