

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000764.D
 Acq On : 10 Apr 2018 22:28
 Operator : JC/MD
 Sample : J2157-08 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-040618-D

Quant Time: Apr 11 08:55:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	319475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	160076	39.74	ug/l	0.00
Spiked Amount			Recovery	=	79.48%	
35) Dibromofluoromethane	5.51	113	136404	40.08	ug/l	0.00
Spiked Amount			Recovery	=	80.16%	
50) Toluene-d8	8.72	98	511397	40.36	ug/l	0.00
Spiked Amount			Recovery	=	80.72%	
62) 4-Bromofluorobenzene	11.15	95	206576	39.40	ug/l	0.00
Spiked Amount			Recovery	=	78.80%	

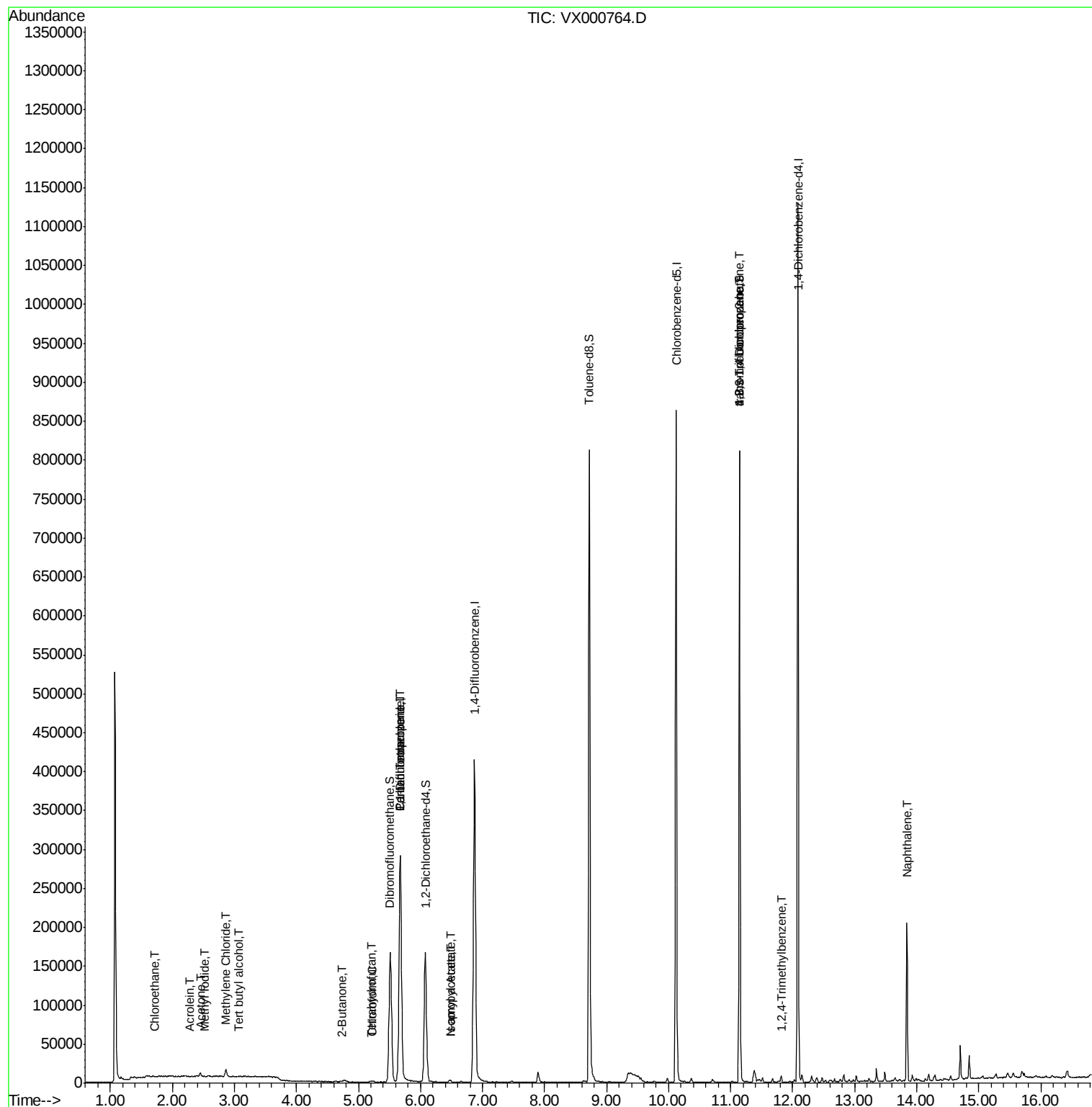
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	293	Below Cal		80
6) Chloroethane	1.71	64	432	0.20	ug/l	99
10) Methyl Iodide	2.51	142	315	8.34	ug/l #	88
11) Tert butyl alcohol	3.07	59	379	0.53	ug/l #	20
13) Acrolein	2.29	56	94	0.27	ug/l #	68
16) Acetone	2.45	43	5012	3.61	ug/l	96
20) Methylene Chloride	2.87	84	4664	1.44	ug/l #	83
25) 2-Butanone	4.73	43	1204	0.52	ug/l #	89
29) Tetrahydrofuran	5.20	42	438	0.30	ug/l #	37
30) Chloroform	5.22	83	1643	0.28	ug/l	92
36) 1,1-Dichloropropene	5.68	75	18490	3.80	ug/l #	49
38) Carbon Tetrachloride	5.68	117	27072	4.97	ug/l #	15
43) Isopropyl Acetate	6.48	43	3053	0.37	ug/l	97
74) N-amyl acetate	6.48	43	3053	0.44	ug/l #	95
76) 1,2,3-Trichloropropane	11.14	75	101192	24.20	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101192	66.58	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.82	105	3617	0.26	ug/l	97
95) Naphthalene	13.84	128	124496	7.06	ug/l	100

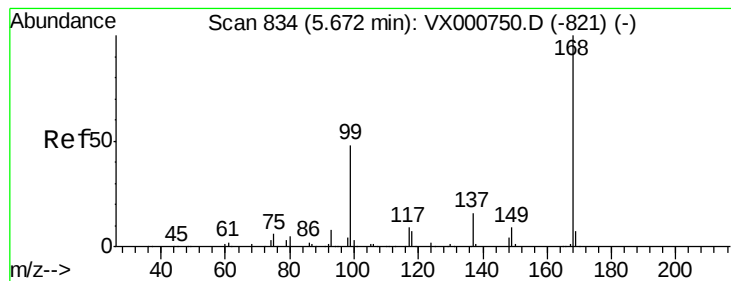
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
Data File : VX000764.D
Acq On : 10 Apr 2018 22:28
Operator : JC/MD
Sample : J2157-08 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
CL-01-040618-D

Quant Time: Apr 11 08:55:26 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

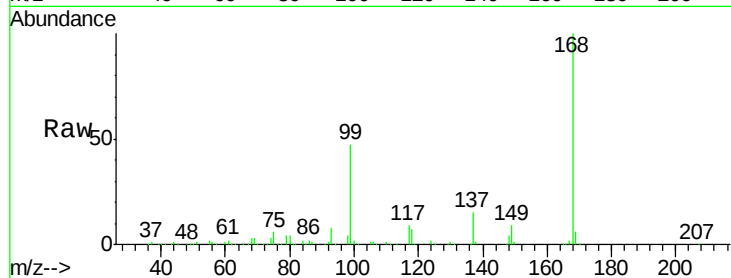
CL-01-040618-D

Tot Ion:168 Resp: 319475

Ion Ratio Lower Upper

168 100

99 46.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

120000

100000

80000

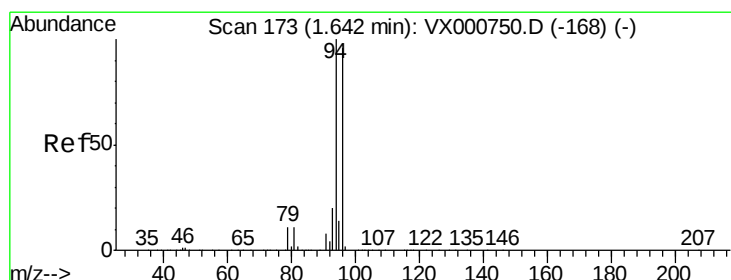
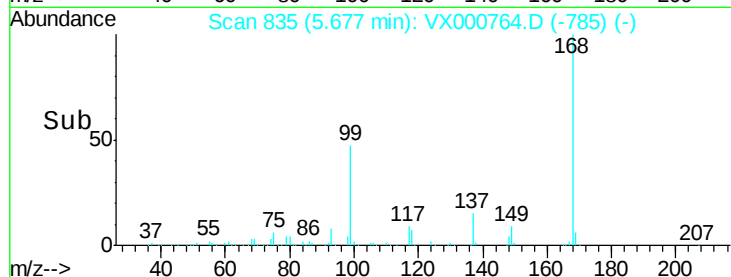
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000764.D

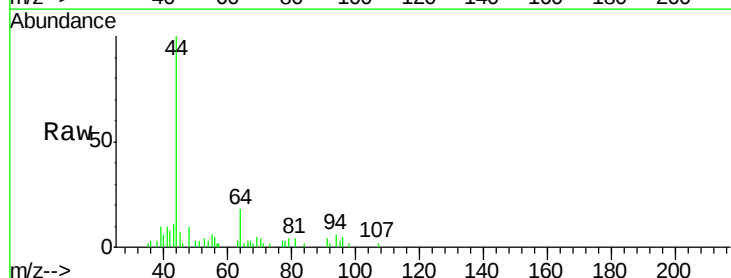
Acq: 10 Apr 2018 22:28

Tgt Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 77.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

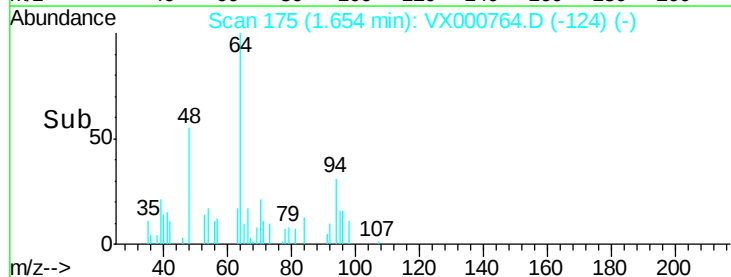
150

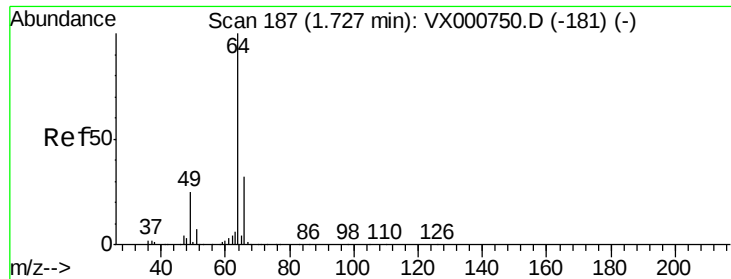
100

50

0

Time-->





#6

Chloroethane

Concen: 0.20 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

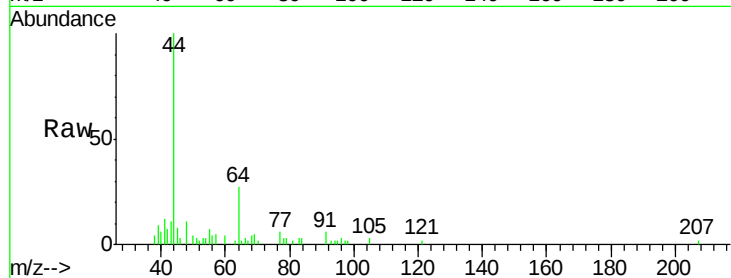
CL-01-040618-D

Tot Ion: 64 Resp: 432

Ion Ratio Lower Upper

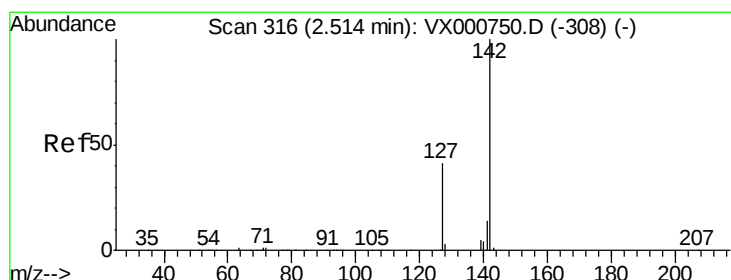
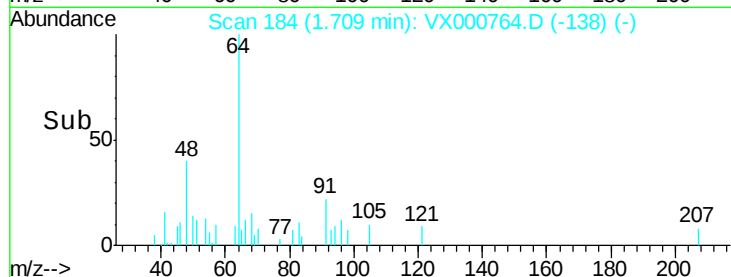
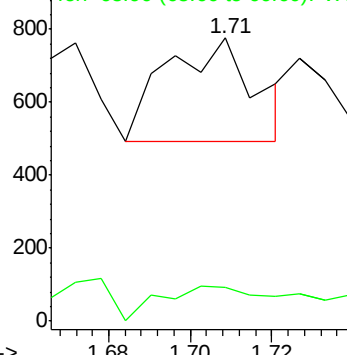
64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.34 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

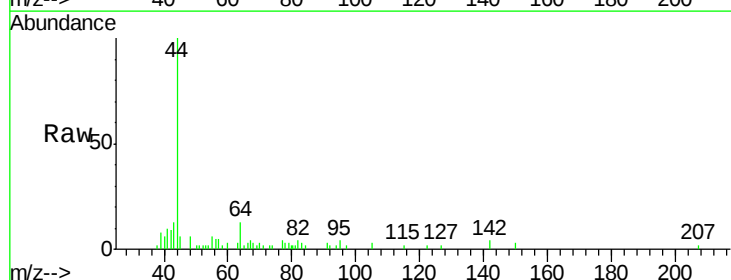
Tgt Ion: 142 Resp: 315

Ion Ratio Lower Upper

142 100

127 38.4 32.6 49.0

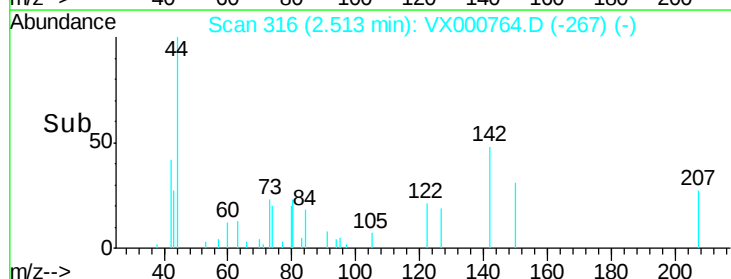
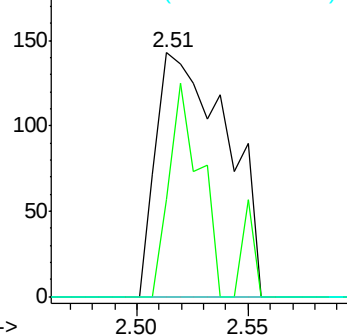
141 0.0 11.5 17.3#

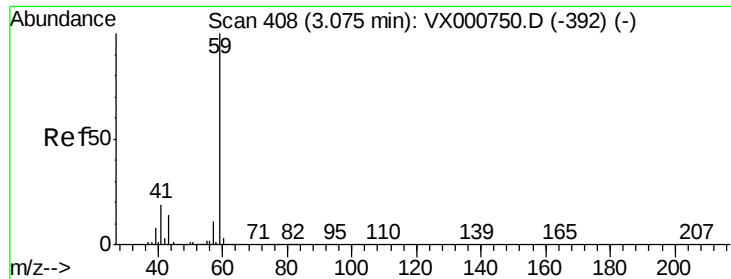


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



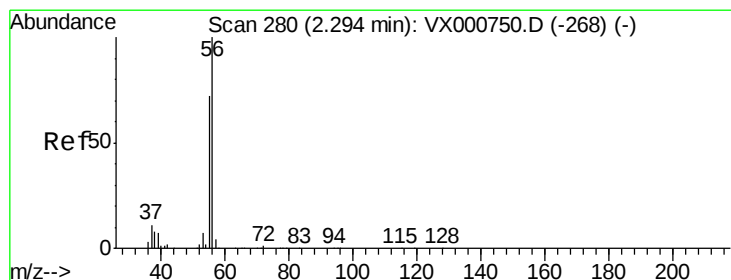
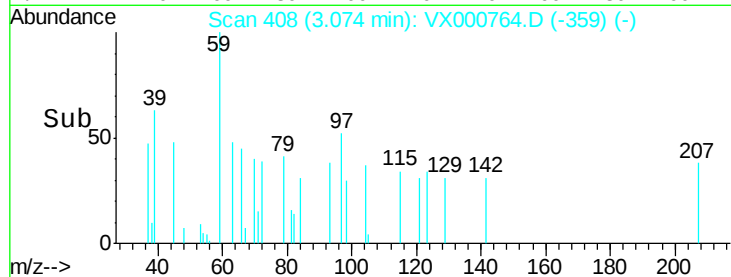
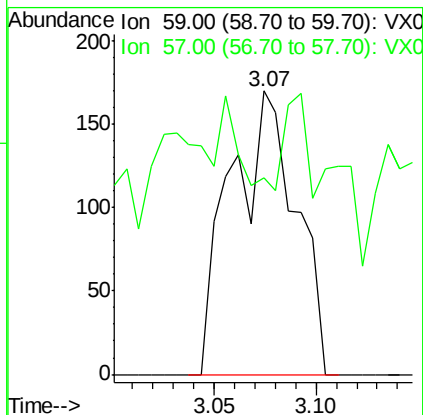
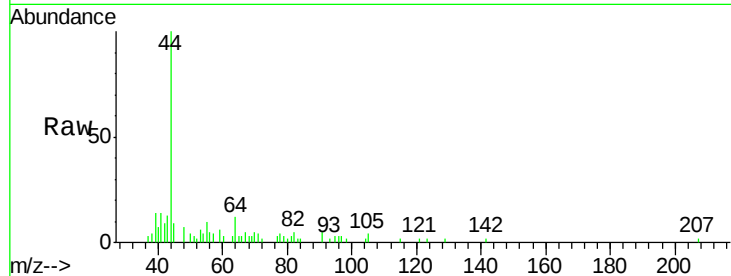


#11

Tert butvl alcohol
 Concen: 0.53 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX000764.D
 Acq: 10 Apr 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-040618-D

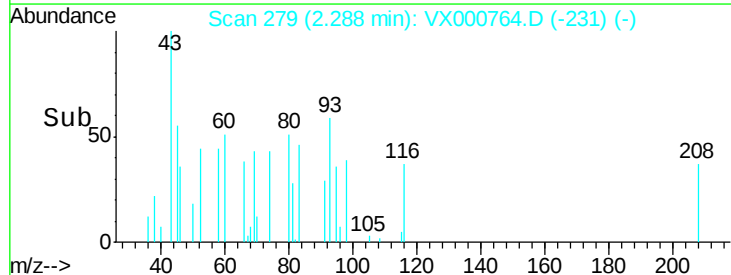
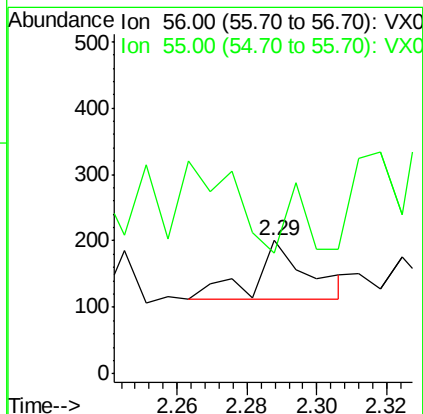
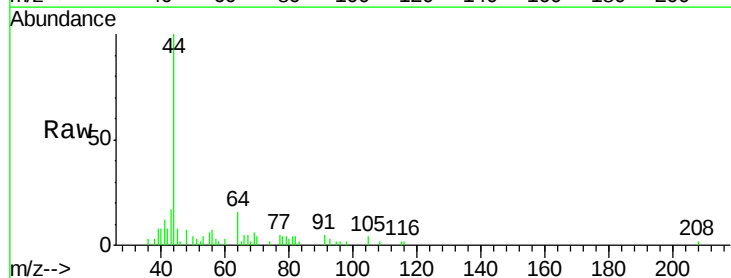
Tot Ion: 59 Resp: 379
 Ion Ratio Lower Upper
 59 100
 57 40.6 8.4 12.6#

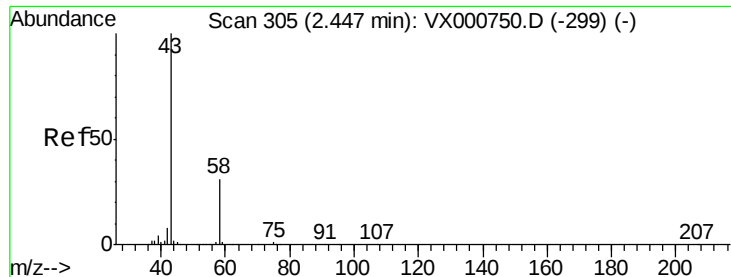


#13

Acrolein
 Concen: 0.27 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX000764.D
 Acq: 10 Apr 2018 22:28

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 46.8 58.7 88.1#





#16

Acetone

Concen: 3.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

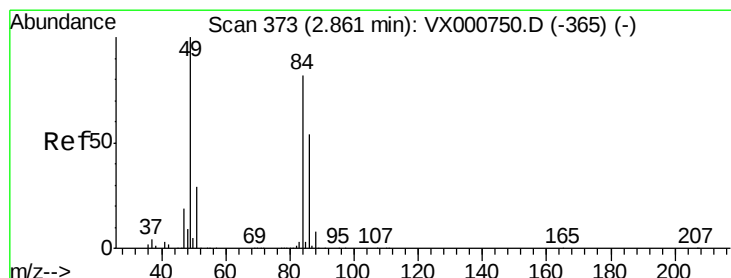
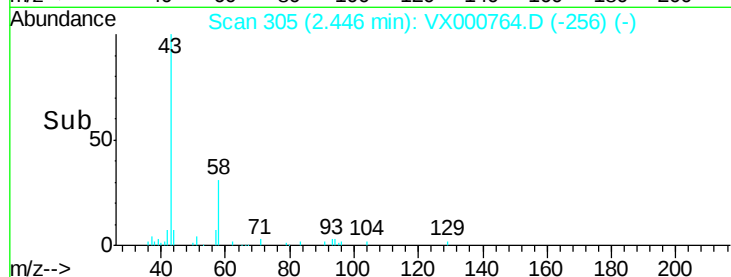
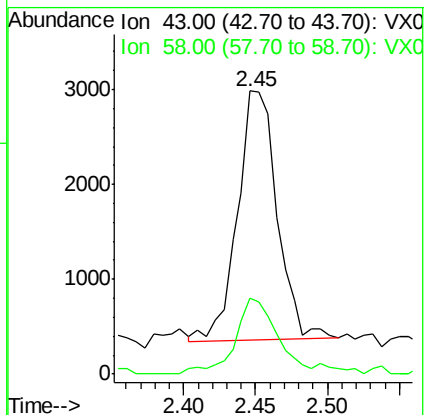
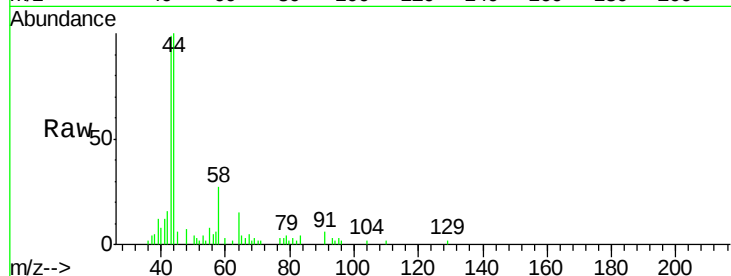
CL-01-040618-D

Tot Ion: 43 Resp: 5012

Ion Ratio Lower Upper

43 100

58 28.5 24.6 37.0



#20

Methylene Chloride

Concen: 1.44 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Tgt Ion: 84 Resp: 4664

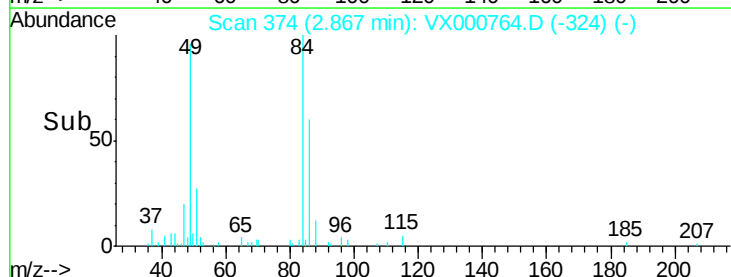
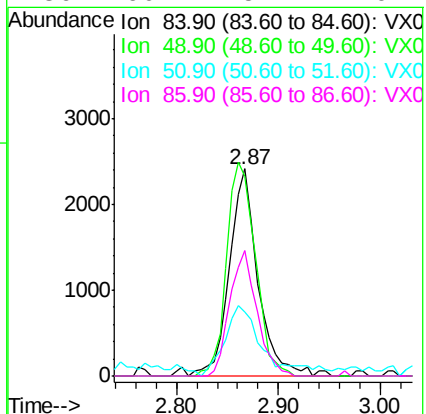
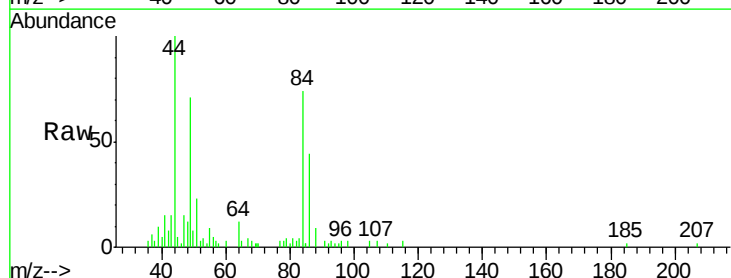
Ion Ratio Lower Upper

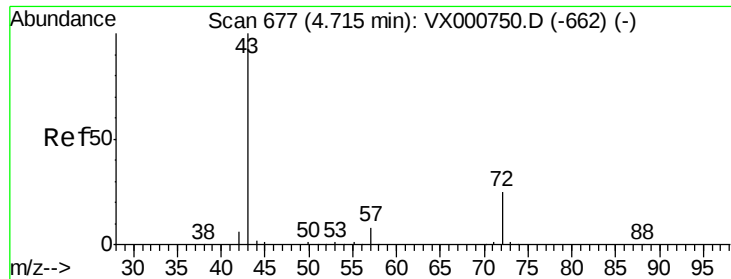
84 100

49 96.0 98.1 147.1#

51 28.3 28.9 43.3#

86 60.4 52.7 79.1





#25

2-Butanone

Concen: 0.52 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

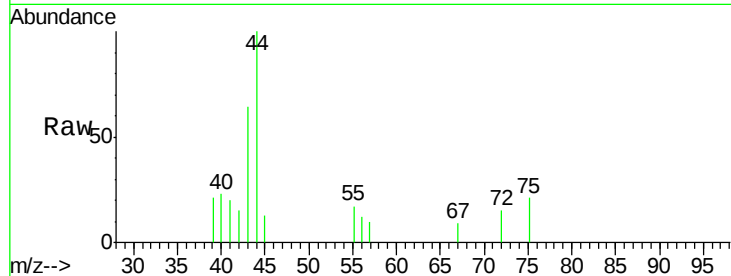
CL-01-040618-D

Tot Ion: 43.00 Resp: 1204

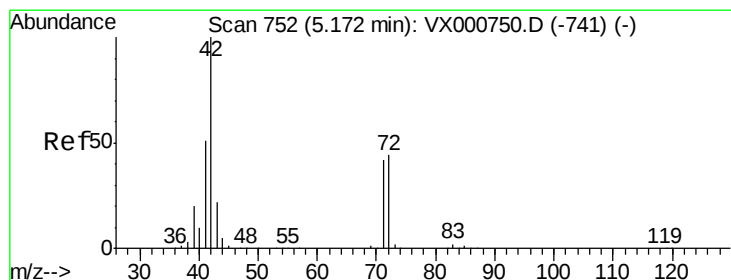
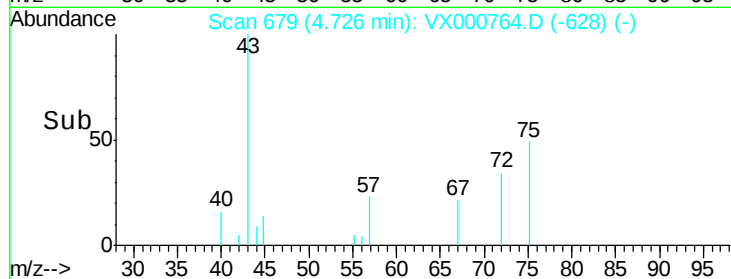
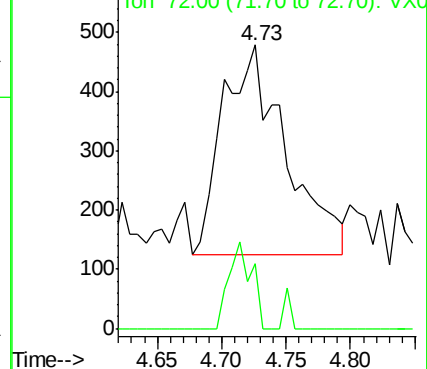
Ion Ratio Lower Upper

43 100

72 30.9 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

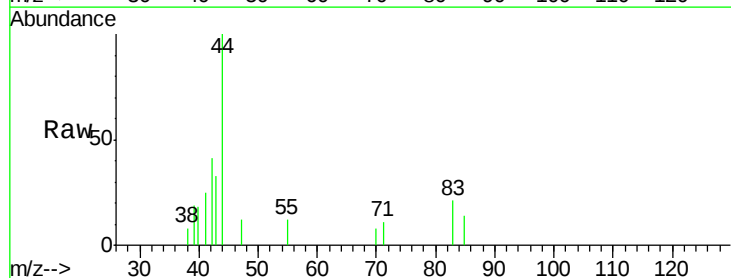
Tgt Ion: 42 Resp: 438

Ion Ratio Lower Upper

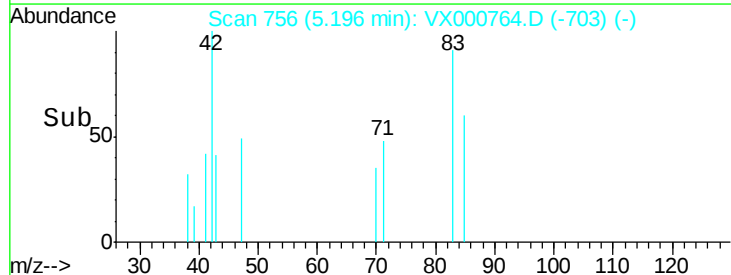
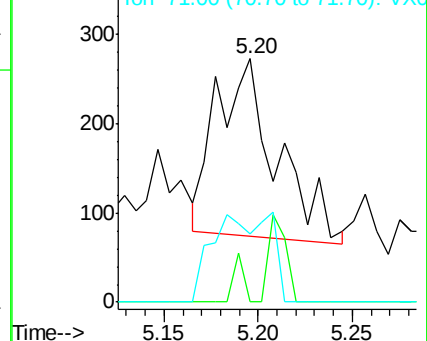
42 100

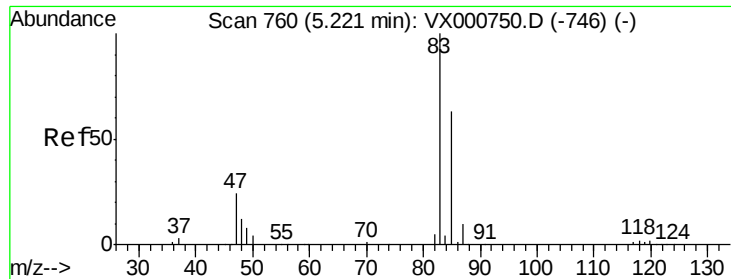
72 4.6 35.1 52.7#

71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#30

Chloroform

Concen: 0.28 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

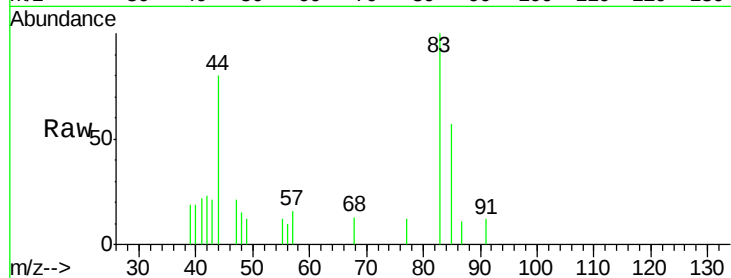
CL-01-040618-D

Tot Ion: 83 Resp: 1643

Ion Ratio Lower Upper

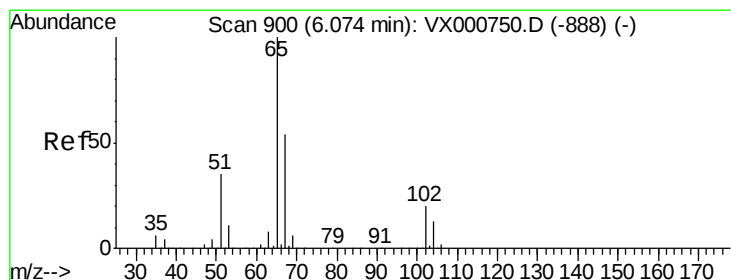
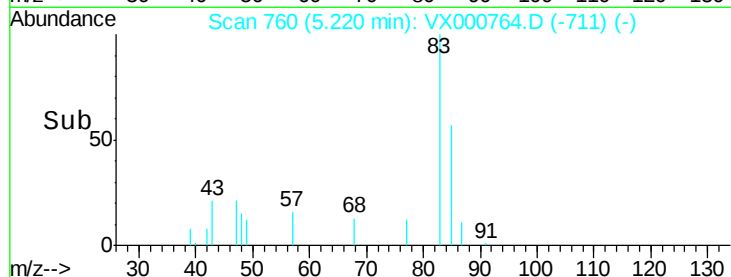
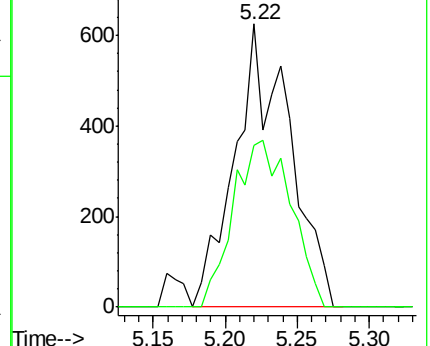
83 100

85 57.1 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 39.74 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000764.D

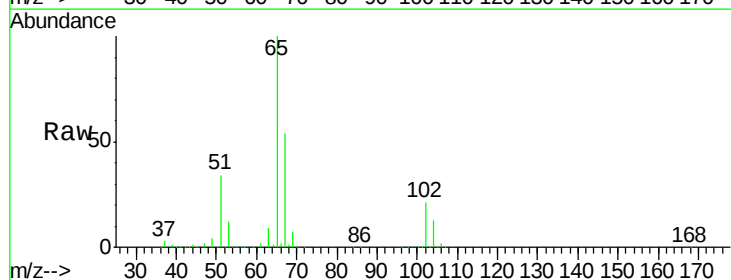
Acq: 10 Apr 2018 22:28

Tgt Ion: 65 Resp: 160076

Ion Ratio Lower Upper

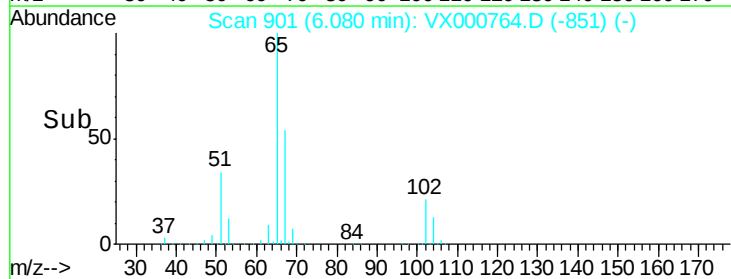
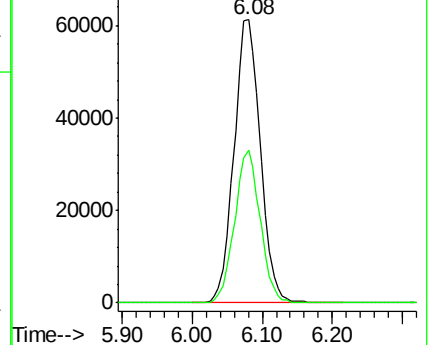
65 100

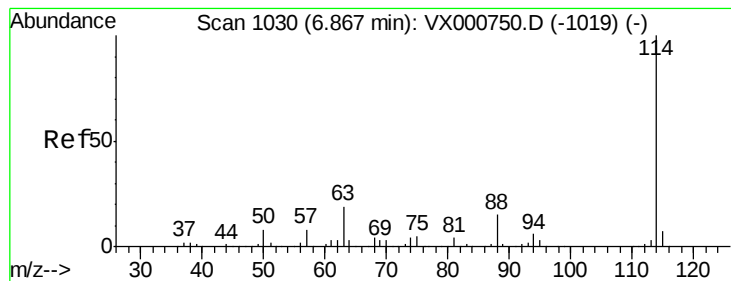
67 52.4 0.0 103.8



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. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-D

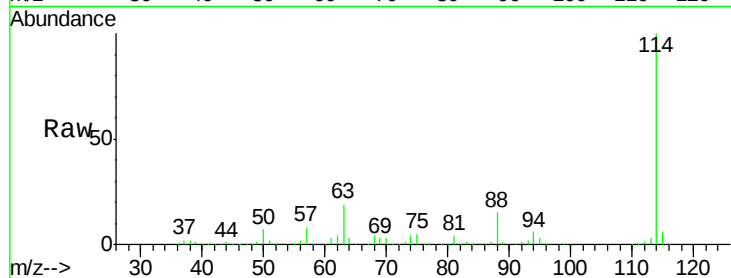
Tot Ion:114 Resp: 441747

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

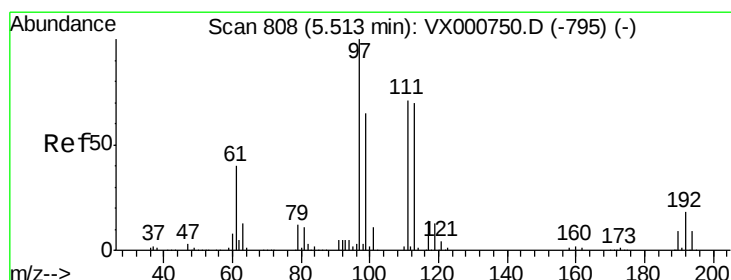
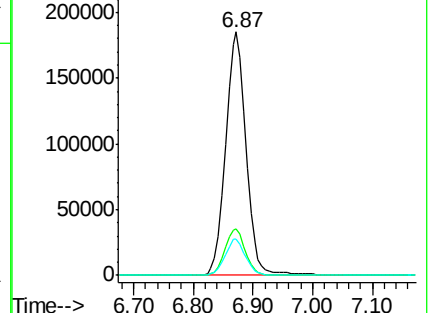
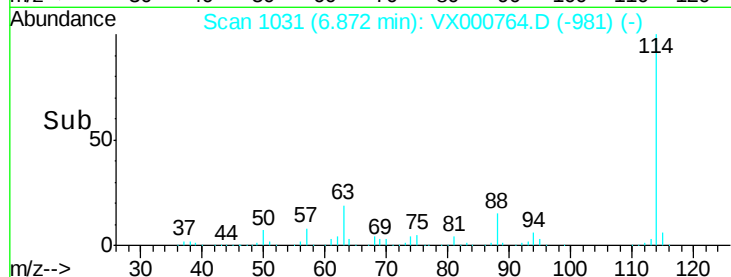
88 15.1 0.0 31.0



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: 40.08 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

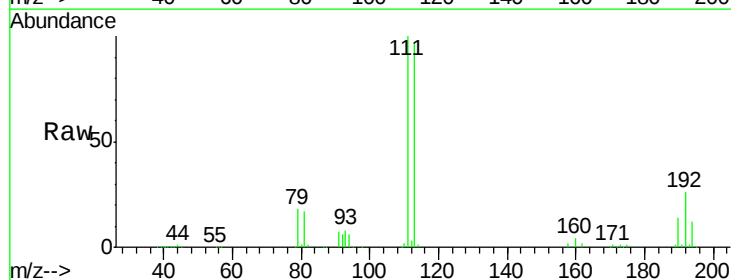
Tgt Ion:113 Resp: 136404

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

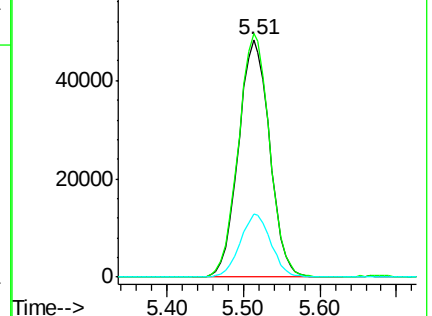
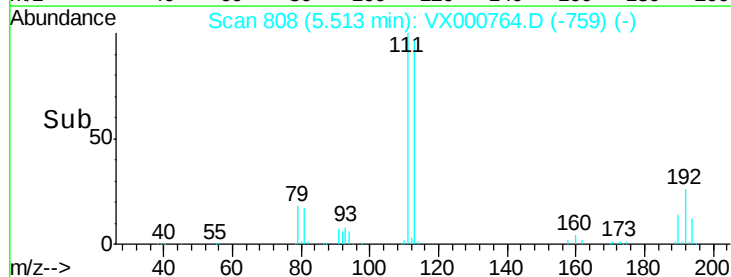
192 26.1 20.4 30.6

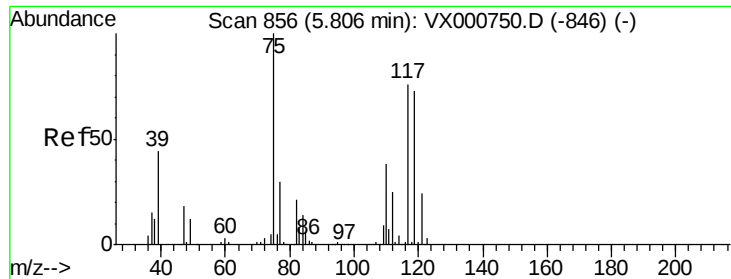


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-D

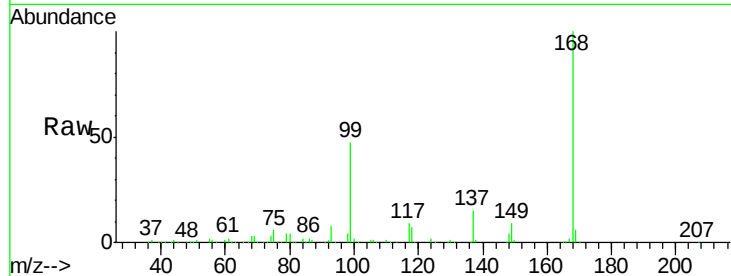
Tot Ion: 75 Resp: 18490

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

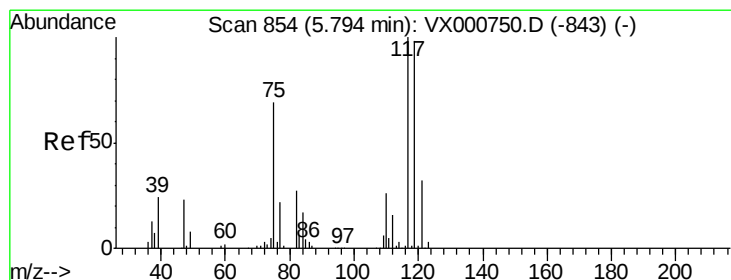
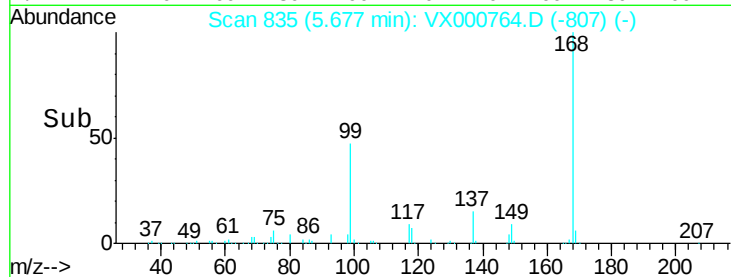
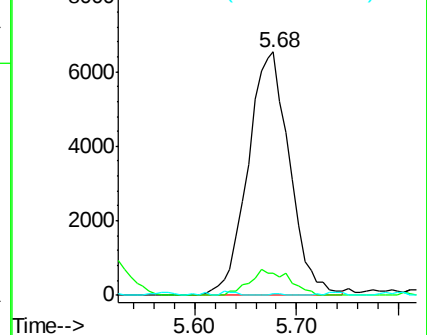
77 0.2 25.4 38.2#



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: 4.97 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

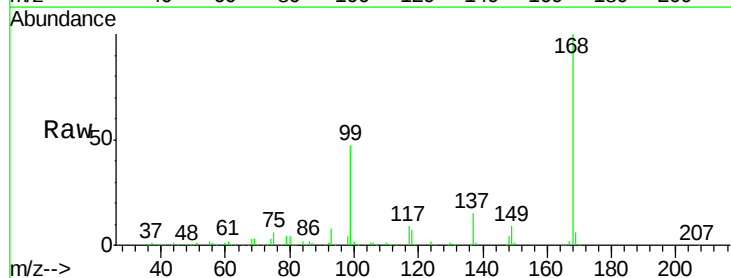
Tgt Ion:117 Resp: 27072

Ion Ratio Lower Upper

117 100

119 5.1 78.4 117.6#

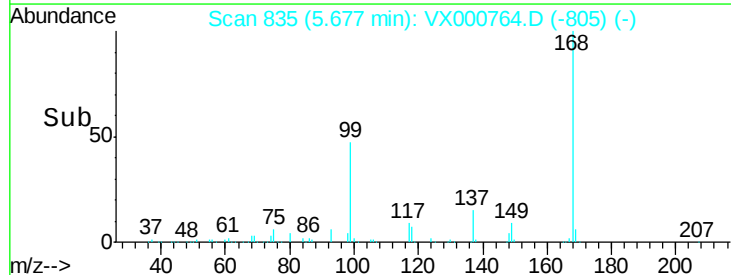
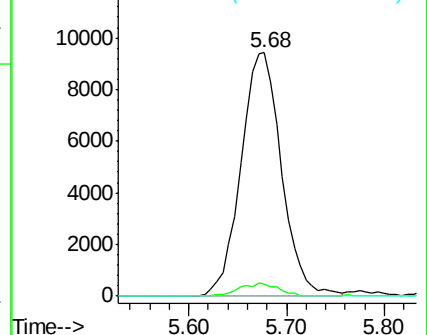
121 0.0 25.4 38.0#

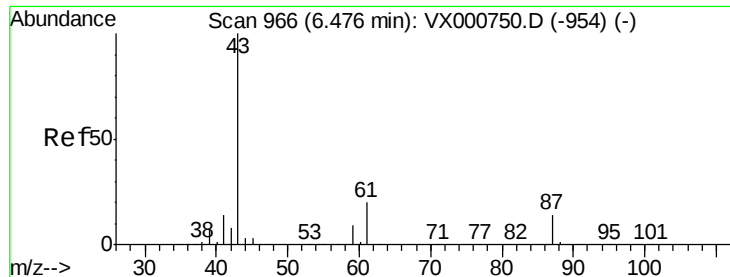


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-D

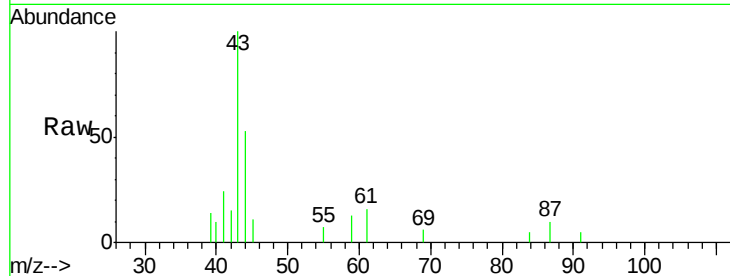
Tot Ion: 43 Resp: 3053

Ion Ratio Lower Upper

43 100

61 17.4 15.6 23.4

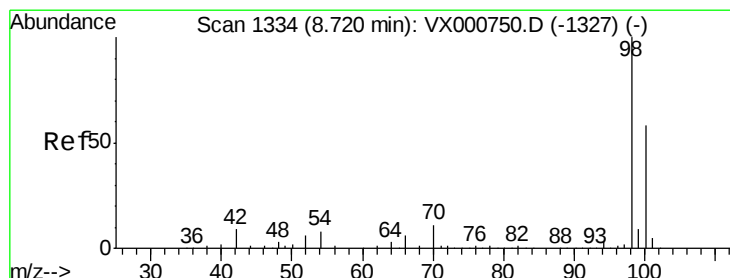
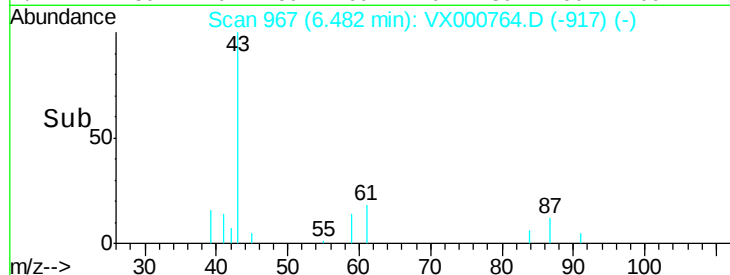
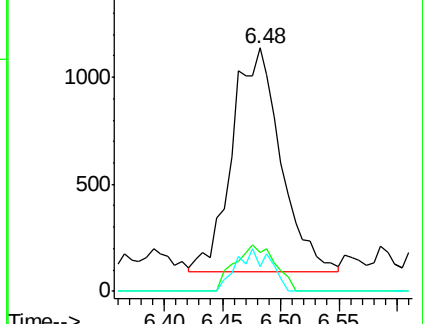
87 13.3 10.7 16.1



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: 40.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000764.D

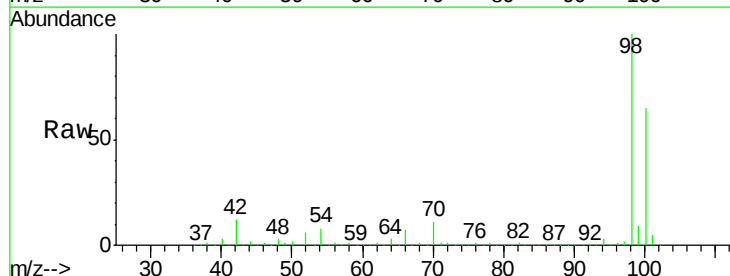
Acq: 10 Apr 2018 22:28

Tgt Ion: 98 Resp: 511397

Ion Ratio Lower Upper

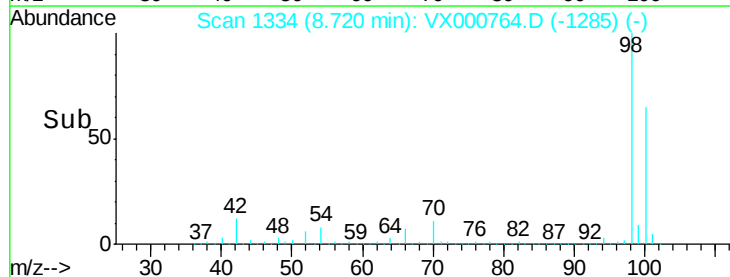
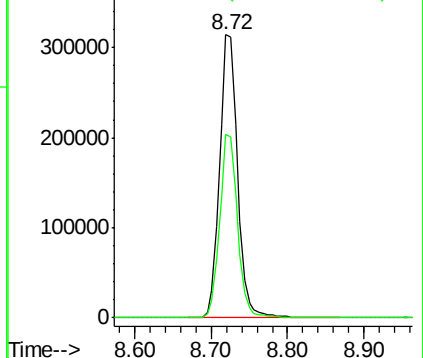
98 100

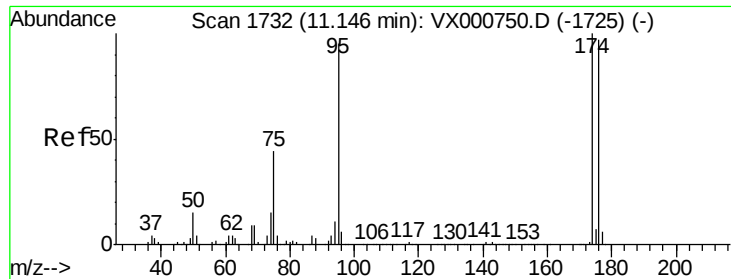
100 64.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.40 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-D

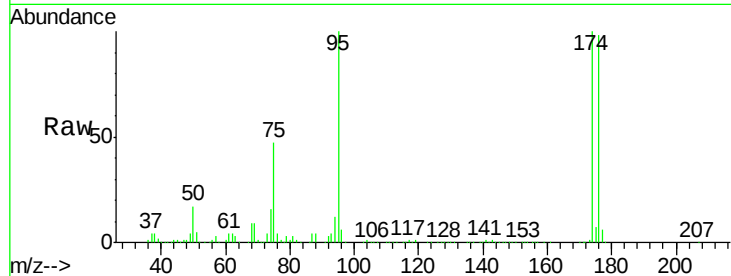
Tot Ion: 95 Resp: 206576

Ion Ratio Lower Upper

95 100

174 96.9 0.0 198.4

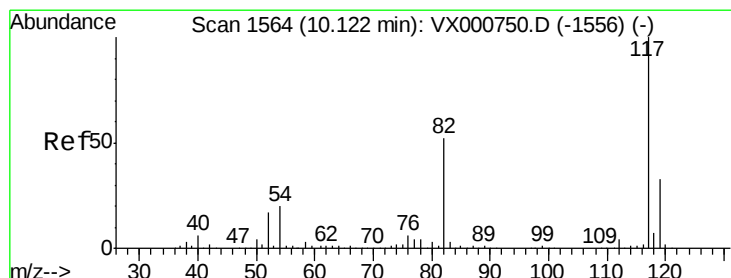
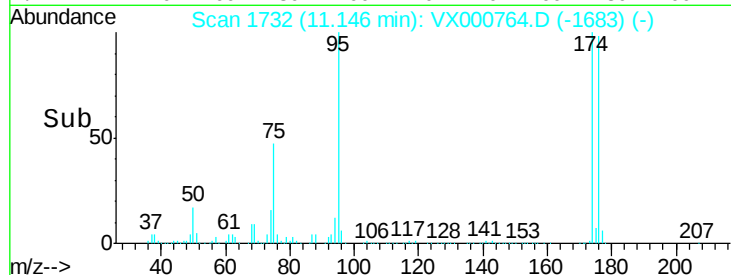
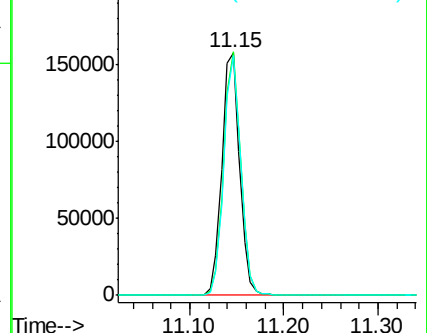
176 95.1 0.0 194.4



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: VX000764.D

Acq: 10 Apr 2018 22:28

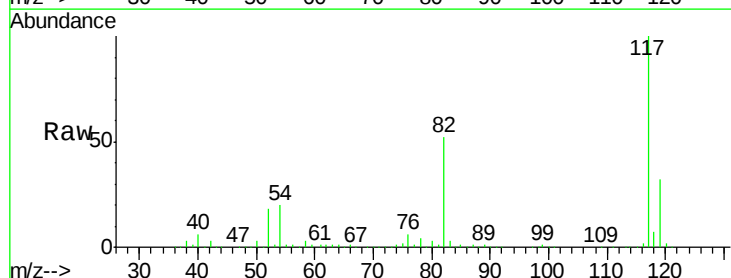
Tgt Ion: 117 Resp: 411812

Ion Ratio Lower Upper

117 100

82 52.0 41.9 62.9

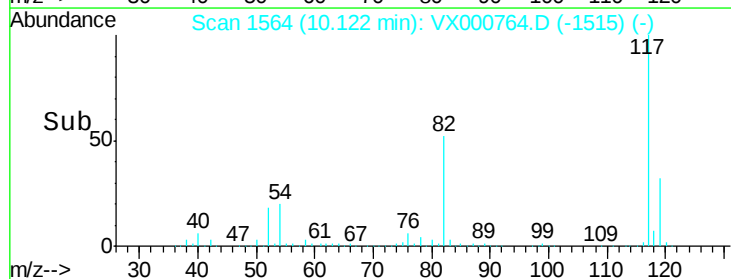
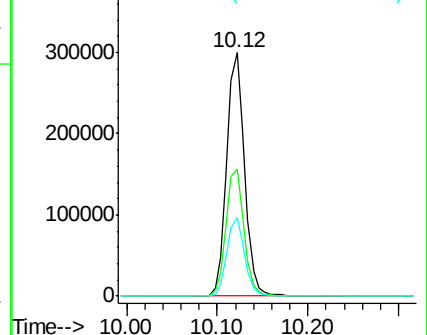
119 32.3 26.0 39.0

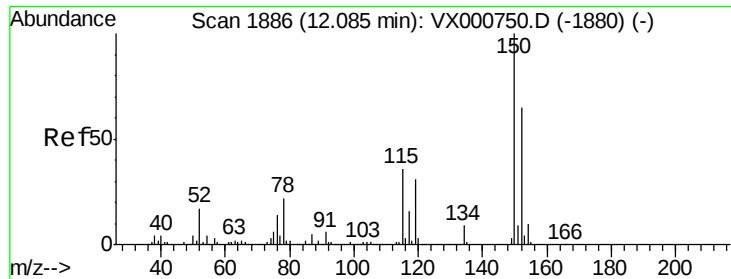


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-040618-D

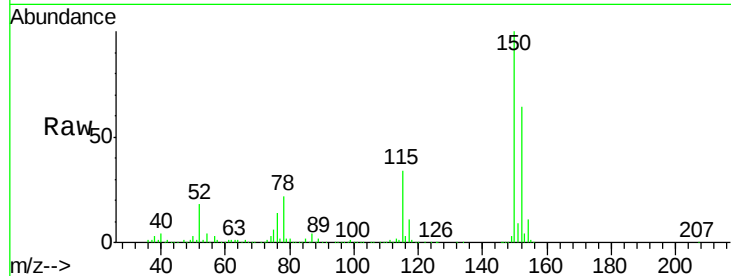
Tot Ion:152 Resp: 242421

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

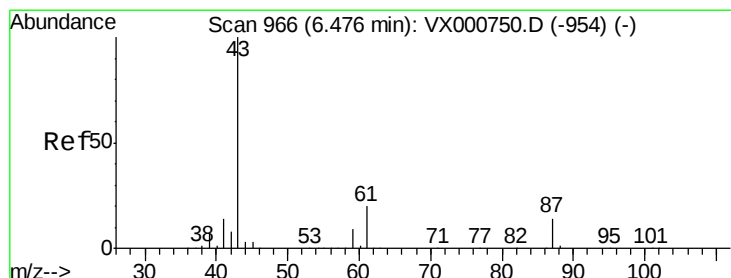
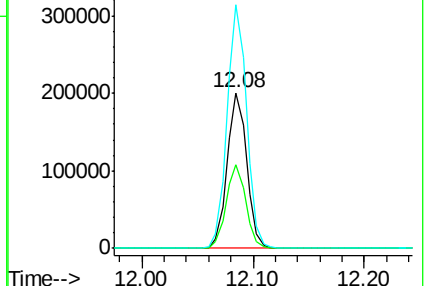
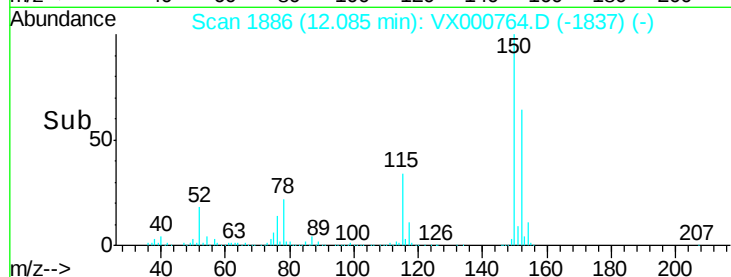
150 156.9 0.0 348.0



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: 0.44 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Tgt Ion: 43 Resp: 3053

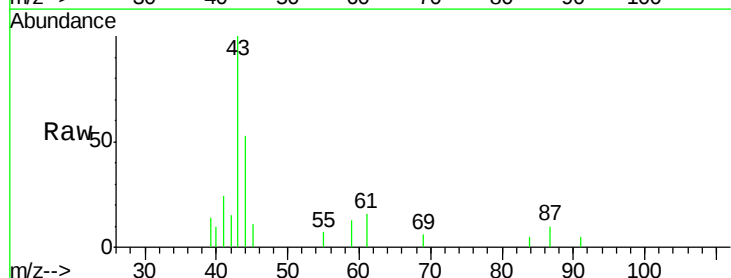
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 17.4 15.6 23.4

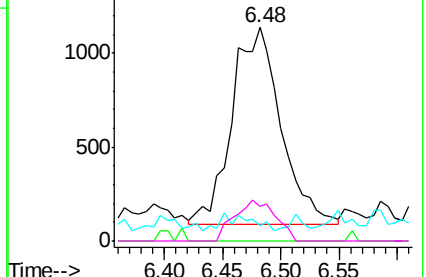
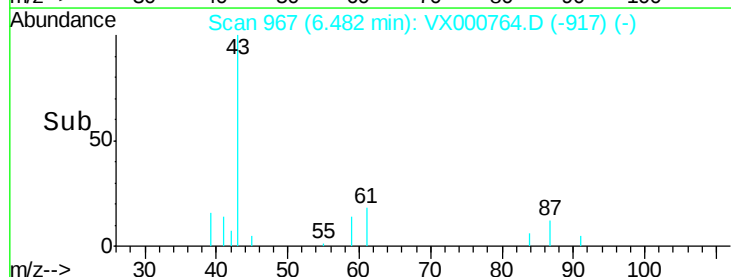


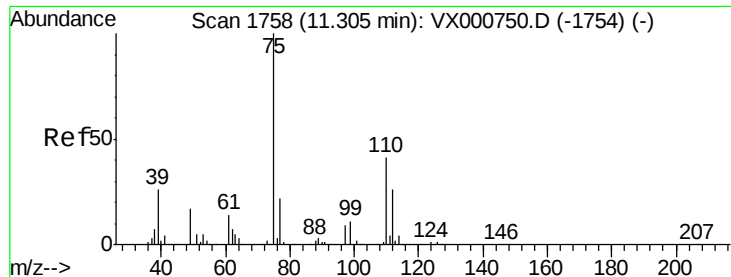
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

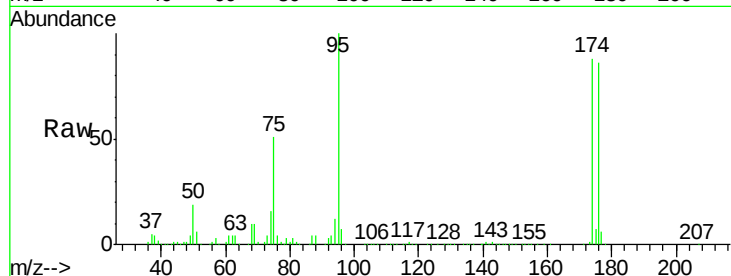
CL-01-040618-D

Tot Ion: 75 Resp: 101192

Ion Ratio Lower Upper

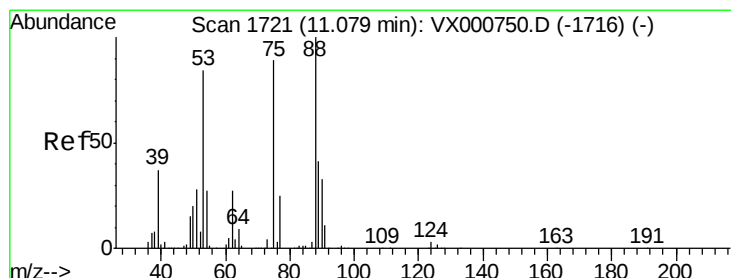
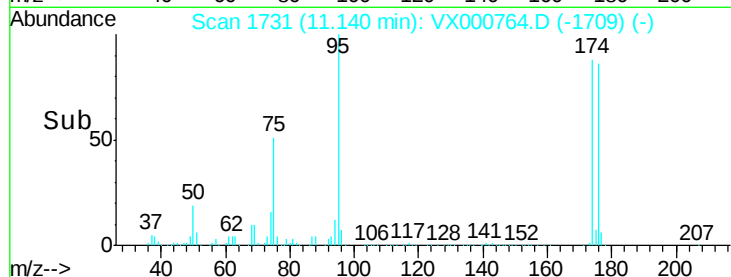
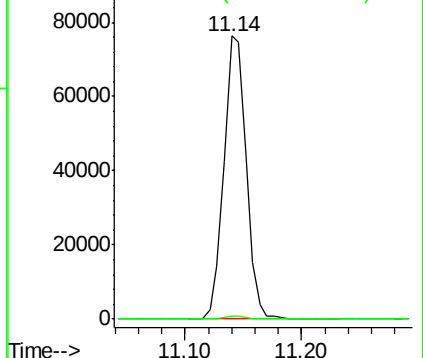
75 100

77 1.2 20.5 61.5#



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: 66.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

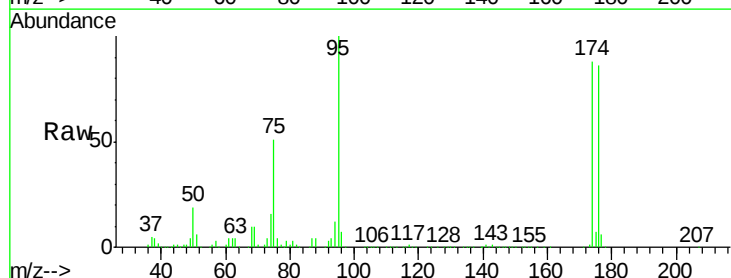
Tgt Ion: 75 Resp: 101192

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

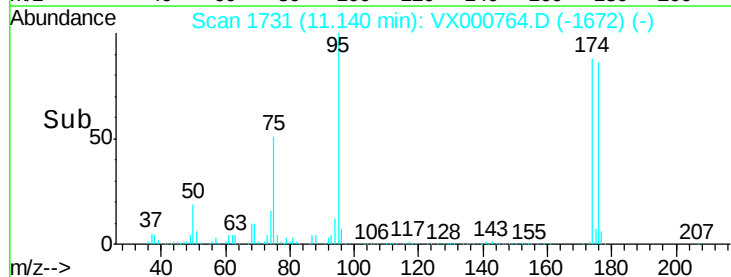
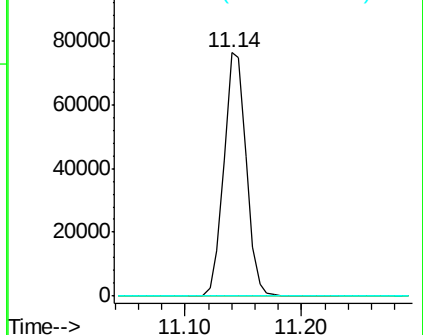
89 0.0 40.9 61.3#

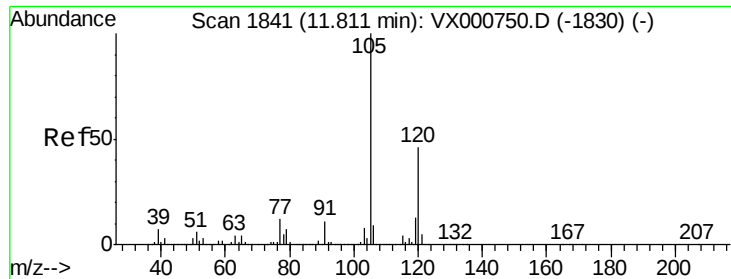


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.26 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

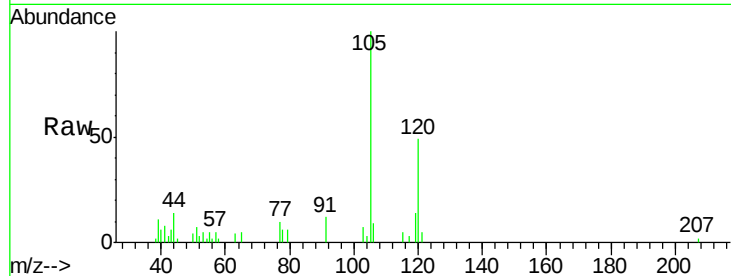
CL-01-040618-D

Tot Ion:105 Resp: 3617

Ion Ratio Lower Upper

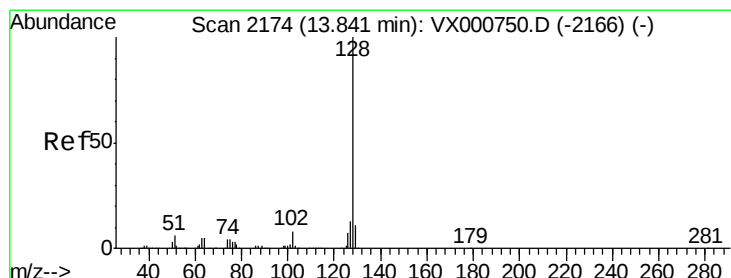
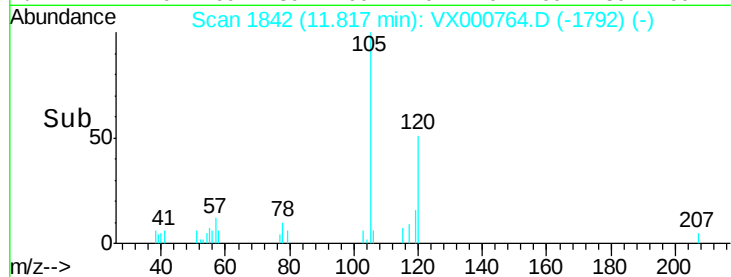
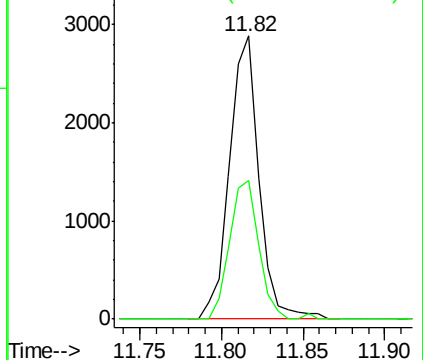
105 100

120 48.2 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 7.06 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000764.D

Acq: 10 Apr 2018 22:28

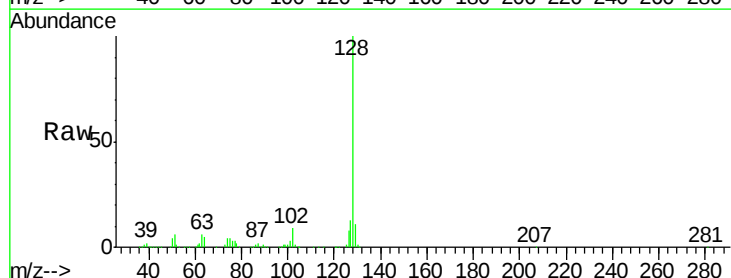
Tgt Ion:128 Resp: 124496

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



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

