

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003574.D
 Acq On : 22 Jul 2018 01:03
 Operator : JC/SP
 Sample : J4050-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB02-180717

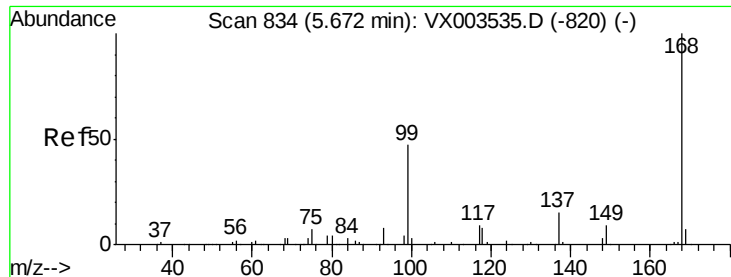
Quant Time: Jul 23 03:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171096	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
35) Dibromofluoromethane	5.51	113	165814	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	8.72	98	573032	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	194752	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	204	Below Cal		97
3) Chloromethane	1.32	50	653	Below Cal		94
5) Bromomethane	1.65	94	1340	Below Cal	#	75
10) Methyl Iodide	2.53	142	1382	0.37	ug/l	93
16) Acetone	2.45	43	9547	7.56	ug/l	99
20) Methylene Chloride	2.86	84	1494	Below Cal		92
29) Tetrahydrofuran	5.19	42	422	0.30	ug/l	# 48
36) 1,1-Dichloropropene	5.67	75	17371	3.97	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25164	5.86	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	93627	25.28	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	93627	70.77	ug/l	# 7

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

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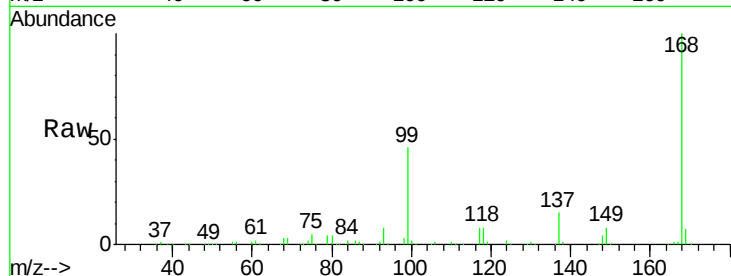
LCTB02-180717

Tot Ion:168 Resp: 282472

Ion Ratio Lower Upper

168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

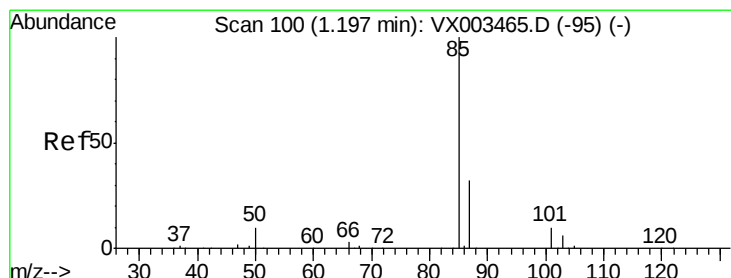
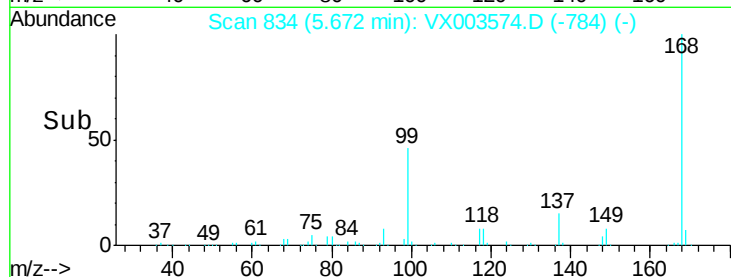
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003574.D

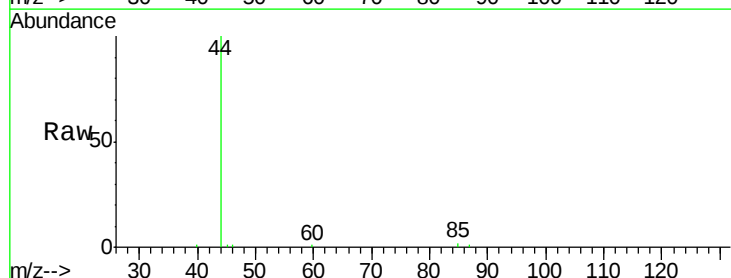
Acq: 22 Jul 2018 01:03

Tgt Ion: 85 Resp: 204

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

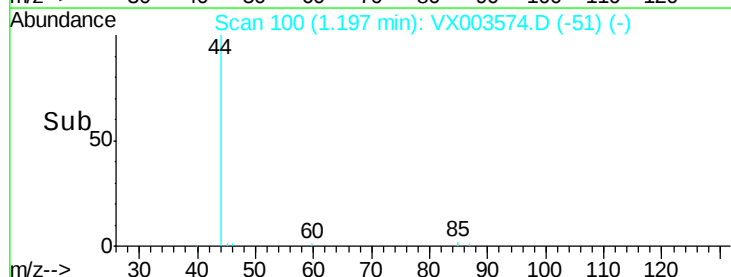
150

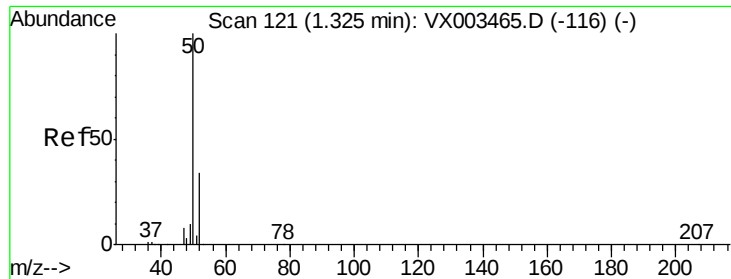
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

Instrument :

MSVOA_X

ClientSampleId :

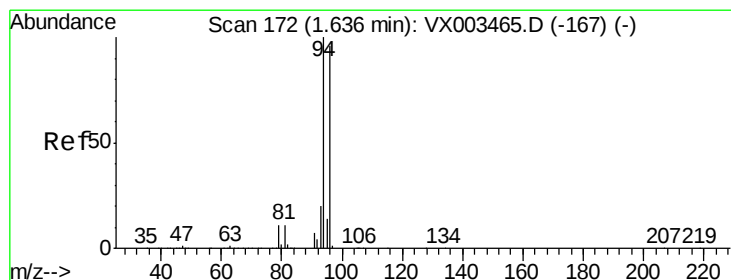
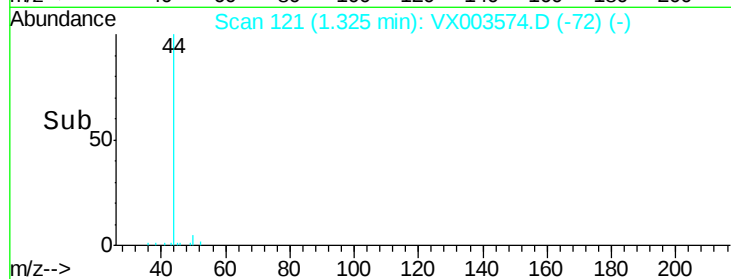
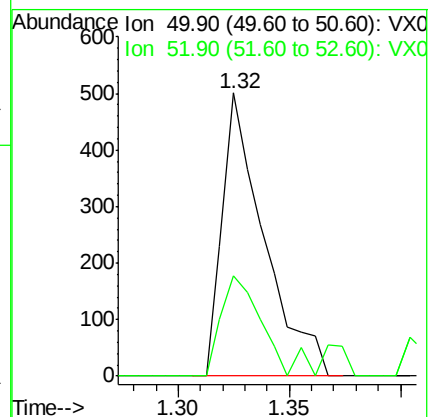
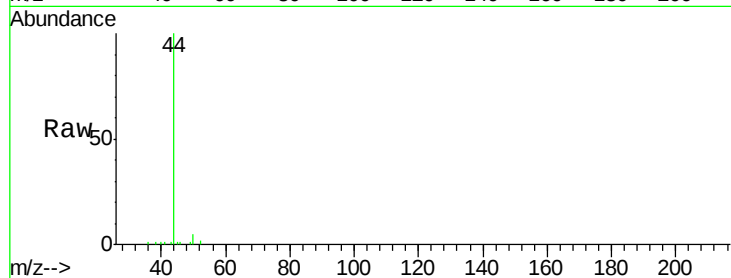
LCTB02-180717

Tot Ion: 50 Resp: 653

Ion Ratio Lower Upper

50 100

52 35.5 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003574.D

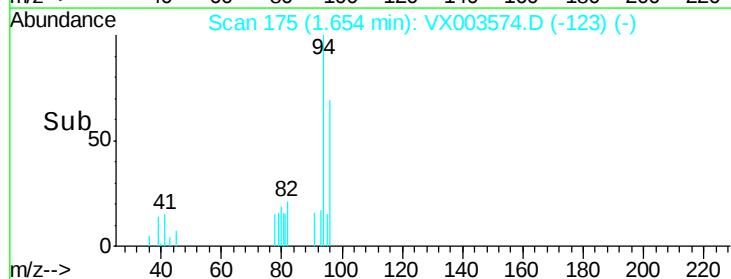
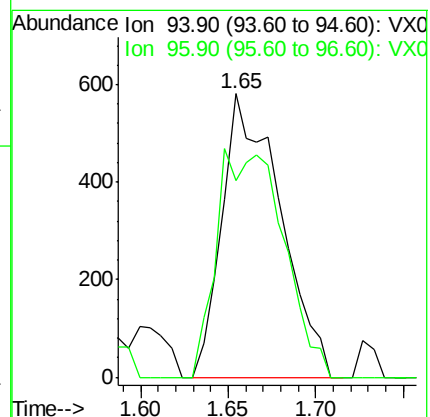
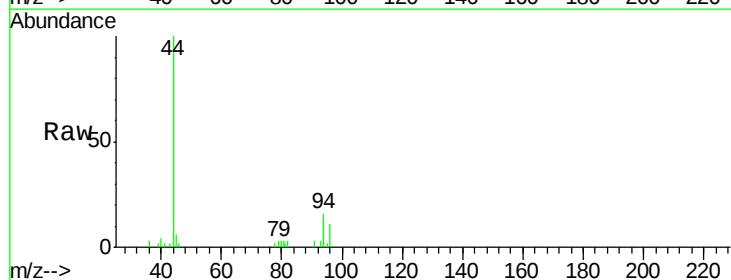
Acq: 22 Jul 2018 01:03

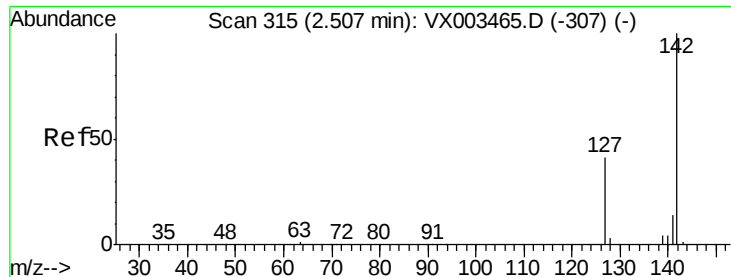
Tgt Ion: 94 Resp: 1340

Ion Ratio Lower Upper

94 100

96 69.4 74.9 112.3#

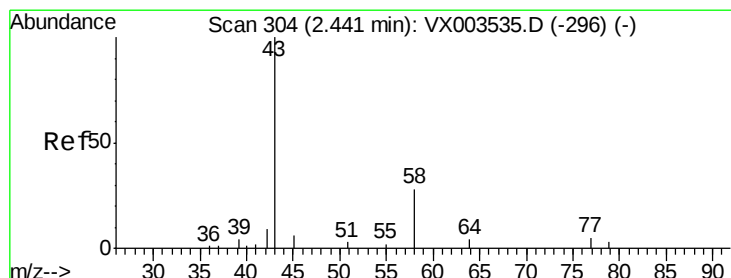
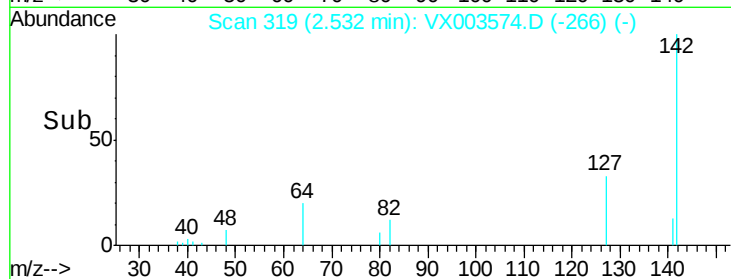
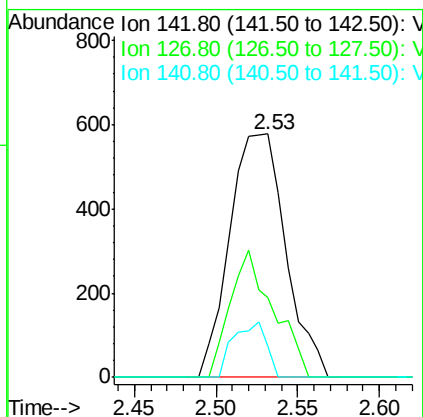
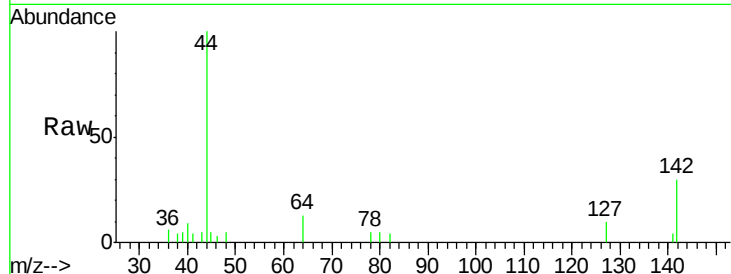




#10
Methvl Iodide
Concen: 0.37 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX003574.D
Acq: 22 Jul 2018 01:03

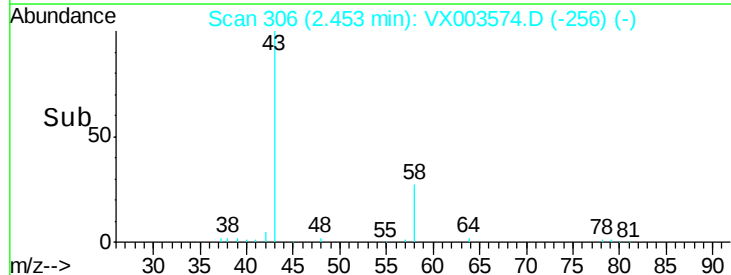
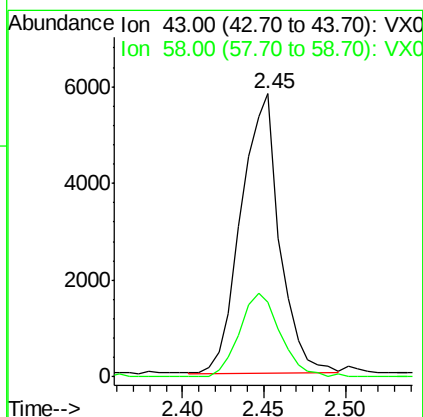
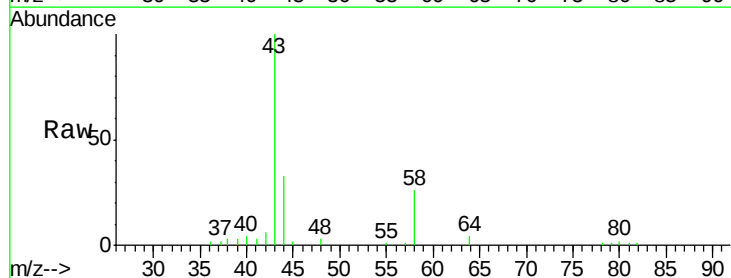
Instrument :
MSVOA_X
ClientSampleId :
LCTB02-180717

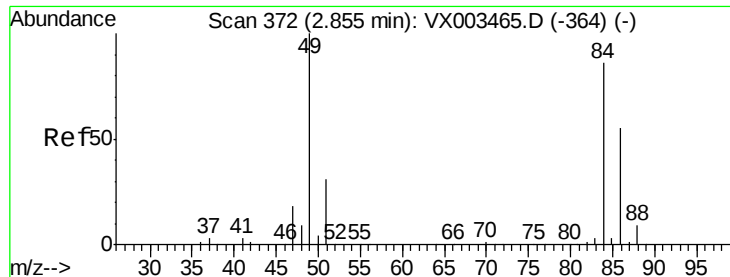
Tot Ion:142 Resp: 1382
Ion Ratio Lower Upper
142 100
127 40.3 36.6 55.0
141 13.5 11.3 16.9



#16
Acetone
Concen: 7.56 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003574.D
Acq: 22 Jul 2018 01:03

Tgt Ion: 43 Resp: 9547
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1

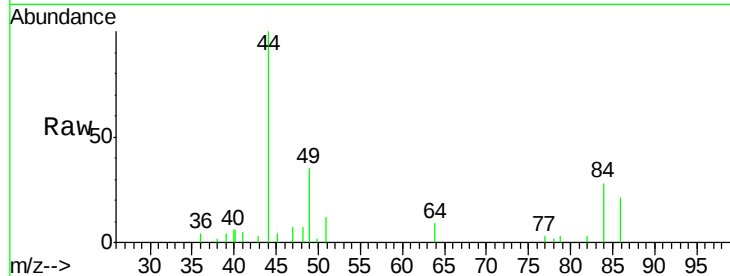




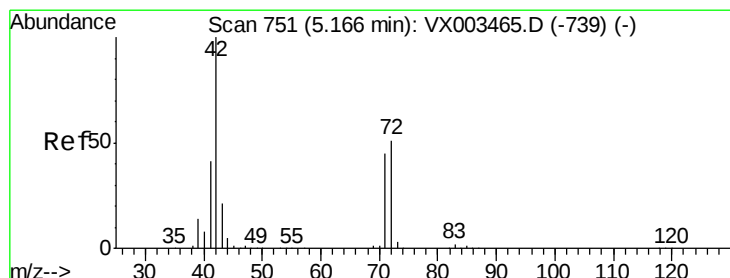
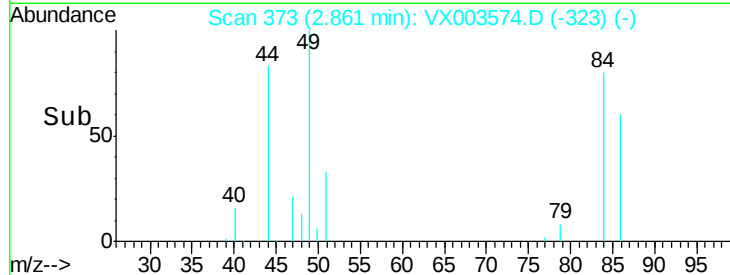
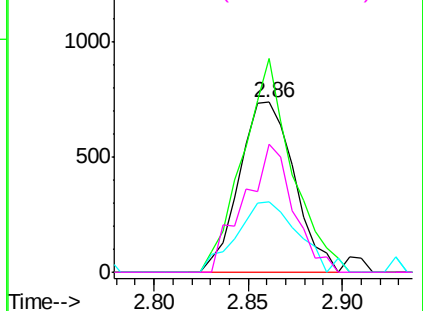
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003574.D
Acq: 22 Jul 2018 01:03

Instrument :
MSVOA_X
ClientSampleId :
LCTB02-180717

Tot Ion: 84 Resp: 1494
Ion Ratio Lower Upper
84 100
49 125.7 107.8 161.6
51 41.7 32.8 49.2
86 75.6 52.5 78.7

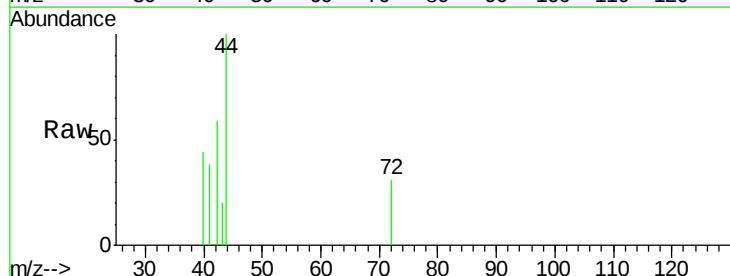


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

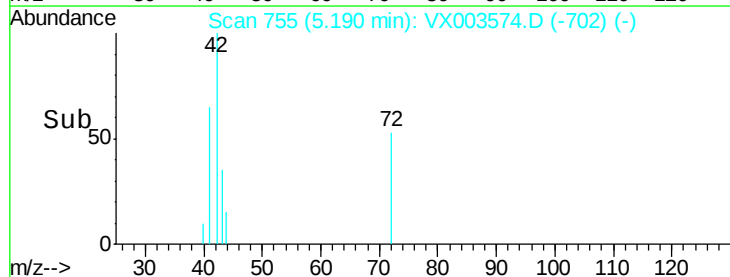
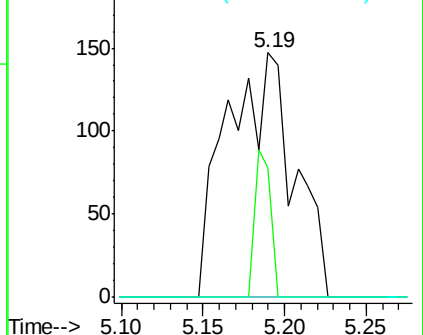


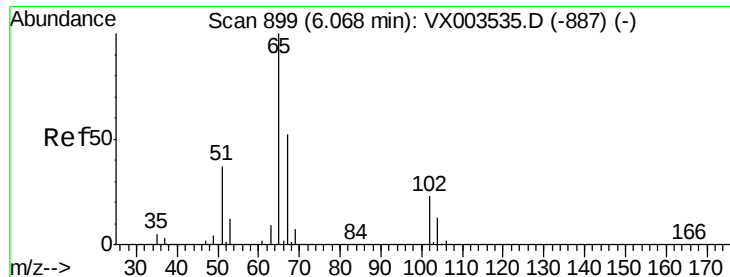
#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX003574.D
Acq: 22 Jul 2018 01:03

Tgt Ion: 42 Resp: 422
Ion Ratio Lower Upper
42 100
72 14.5 32.0 48.0#
71 0.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

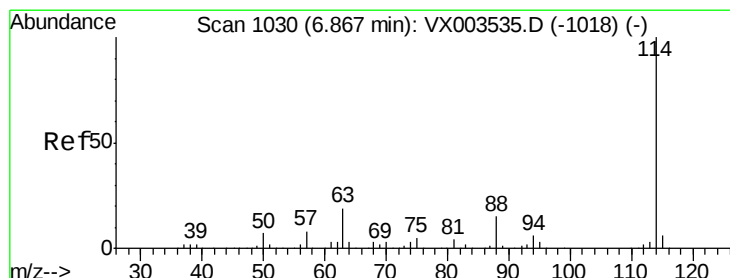
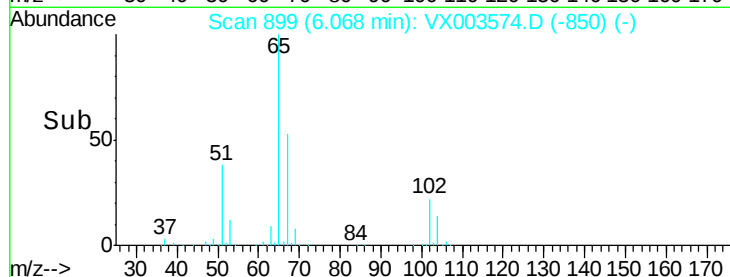
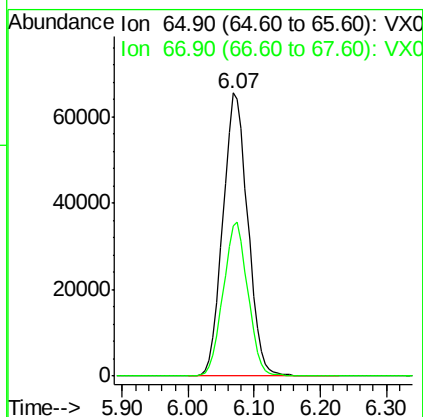
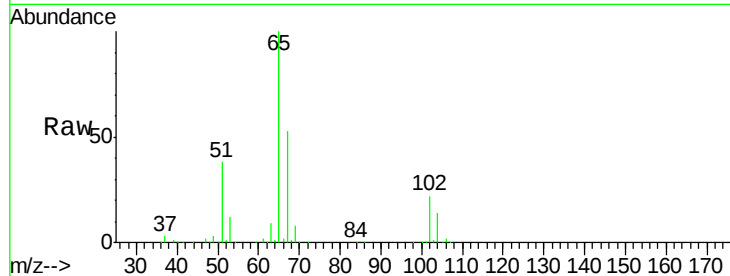




#33
 1,2-Dichloroethane-d4
 Concen: 51.17 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003574.D
 Acq: 22 Jul 2018 01:03

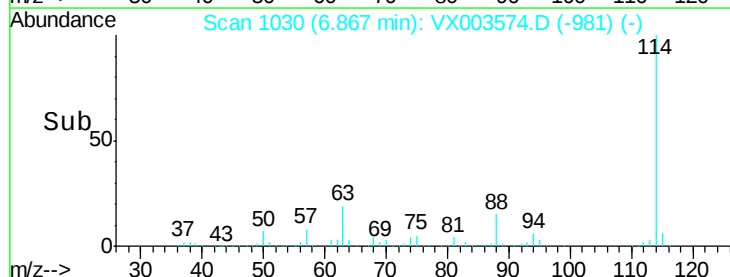
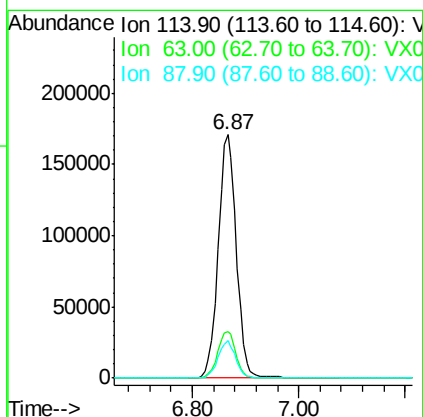
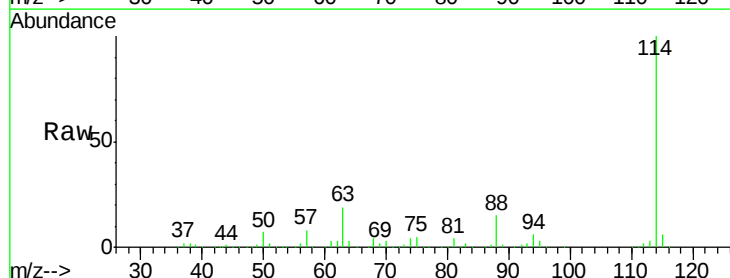
Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB02-180717

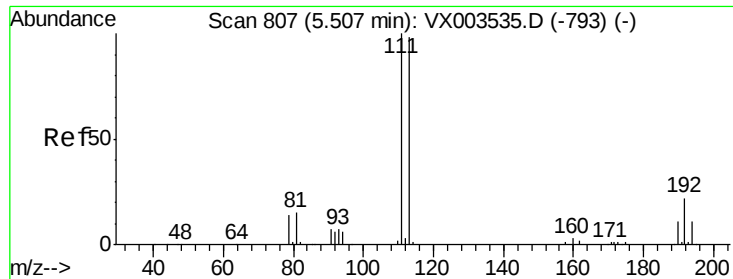
Tot Ion: 65 Resp: 171096
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003574.D
 Acq: 22 Jul 2018 01:03

Tgt Ion: 114 Resp: 405207
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.73 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

Instrument :

MSVOA_X

ClientSampleId :

LCTB02-180717

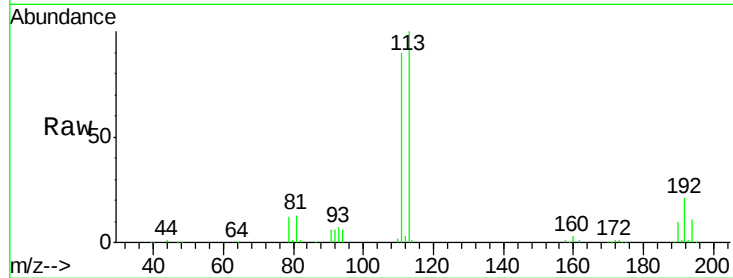
Tot Ion:113 Resp: 165814

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

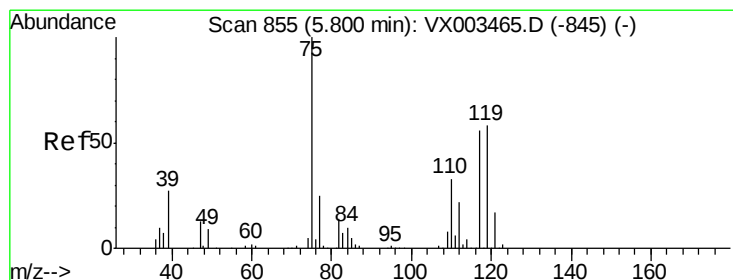
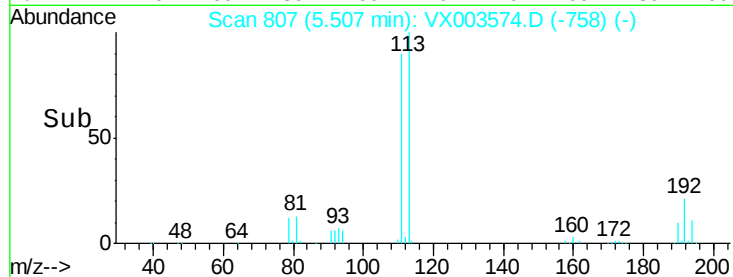
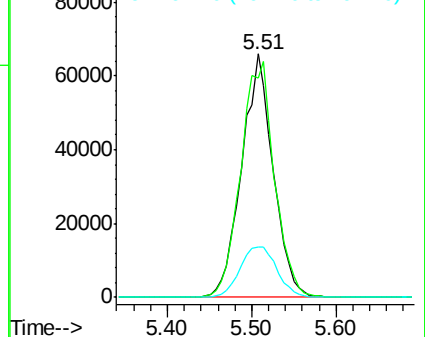
192 24.4 19.1 28.7



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: 3.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

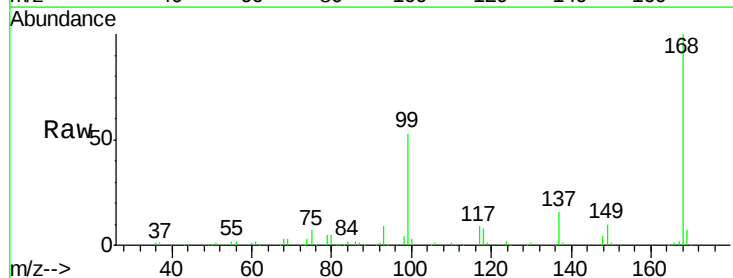
Tgt Ion: 75 Resp: 17371

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

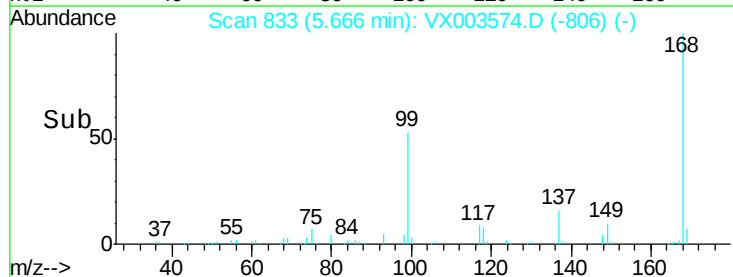
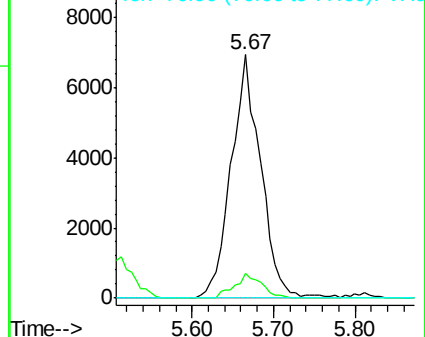
77 0.0 24.3 36.5#

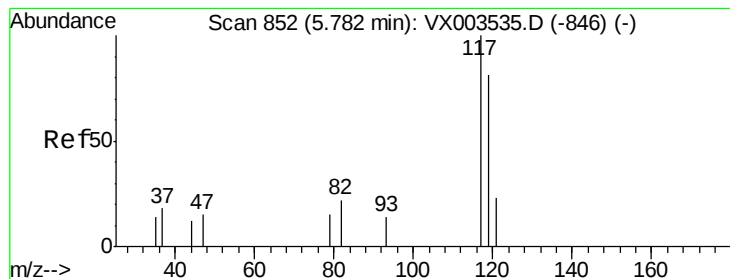


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

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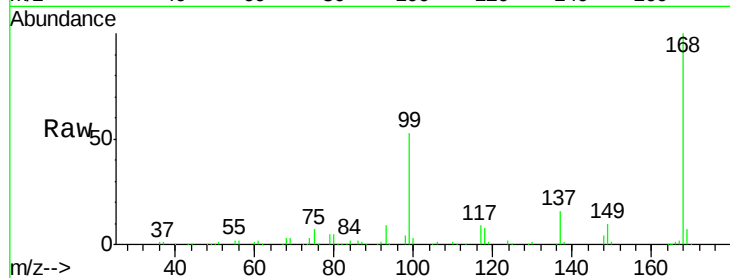
Tot Ion:117 Resp: 25164

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

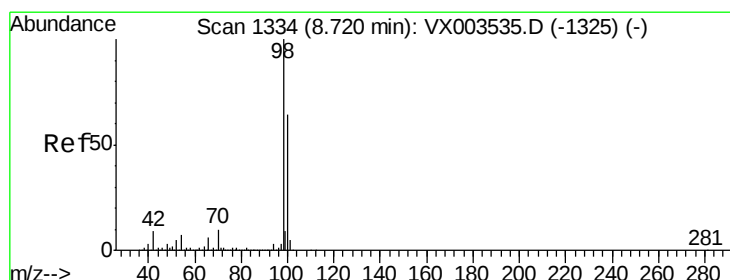
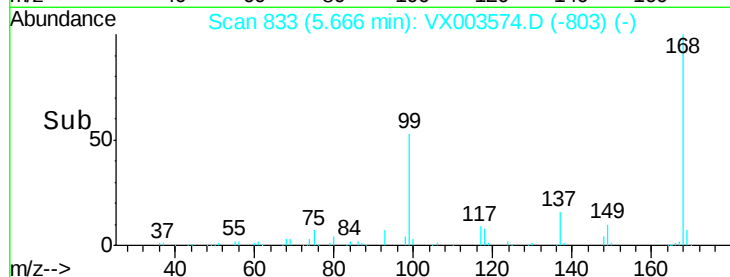
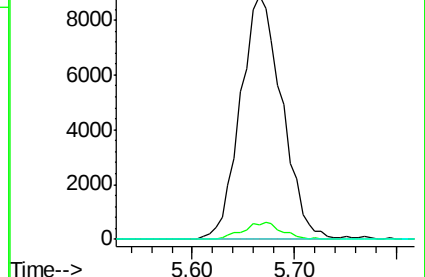
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003574.D

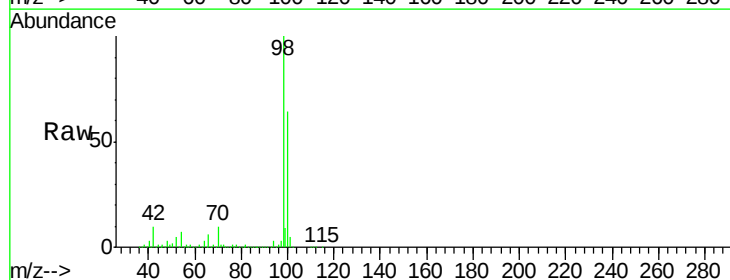
Acq: 22 Jul 2018 01:03

Tgt Ion: 98 Resp: 573032

Ion Ratio Lower Upper

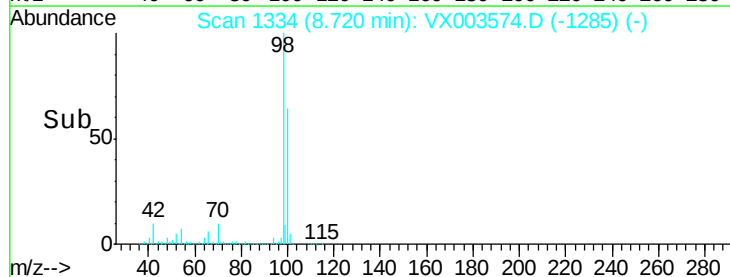
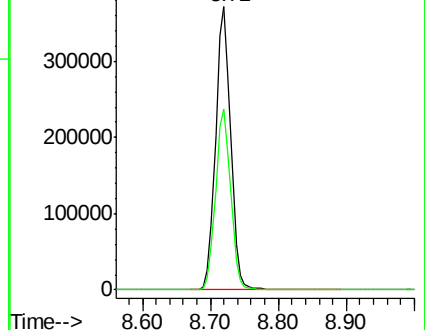
98 100

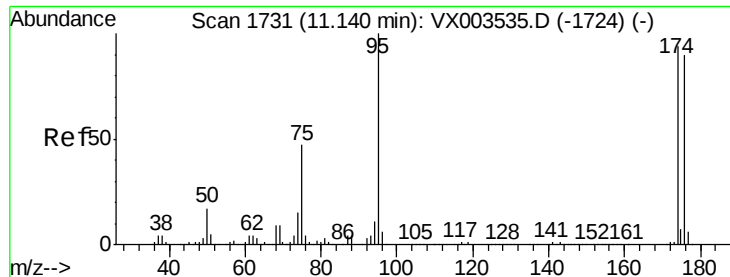
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

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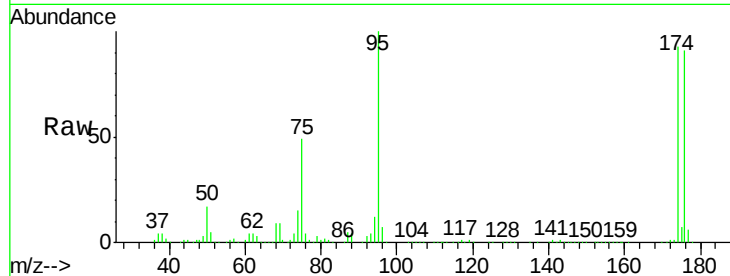
Tot Ion: 95 Resp: 194752

Ion Ratio Lower Upper

95 100

174 95.0 0.0 187.4

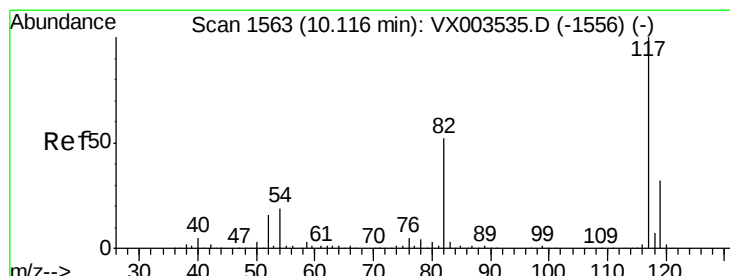
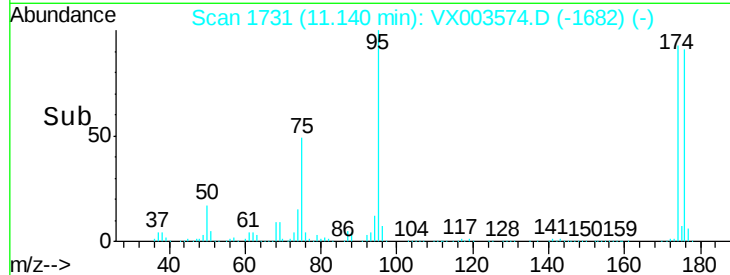
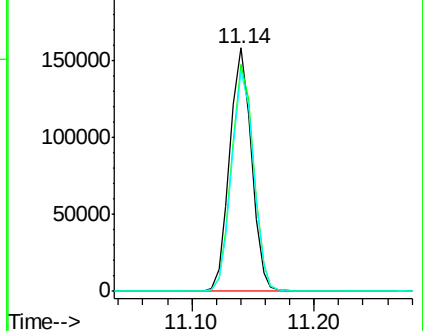
176 91.4 0.0 181.0



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# 1563

Delta R.T. 0.00 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

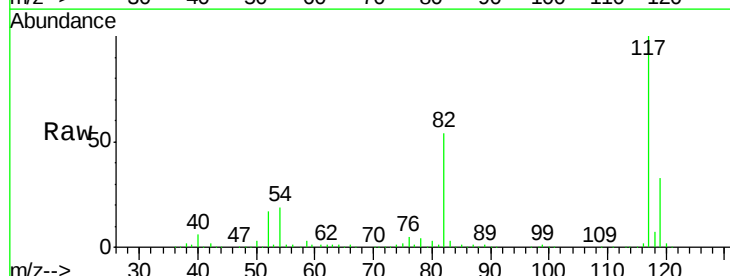
Tgt Ion: 117 Resp: 377064

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

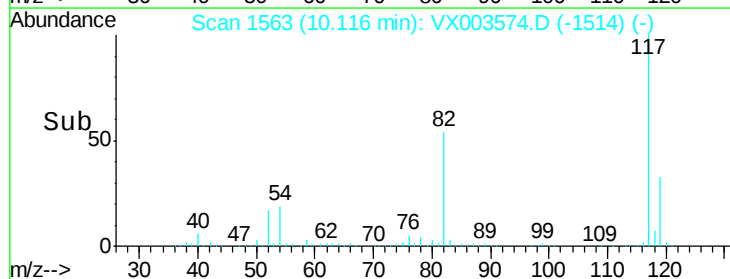
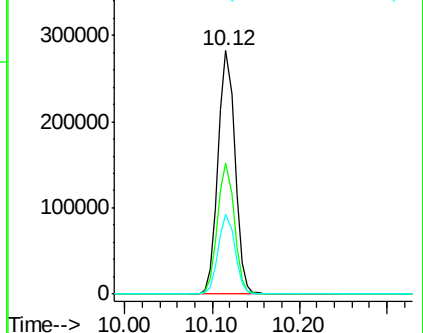
119 32.6 25.8 38.6

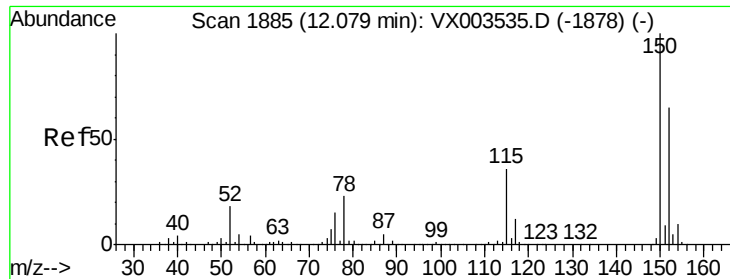


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1885

Delta R.T. 0.00 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

Instrument :

MSVOA_X

ClientSampleId :

LCTB02-180717

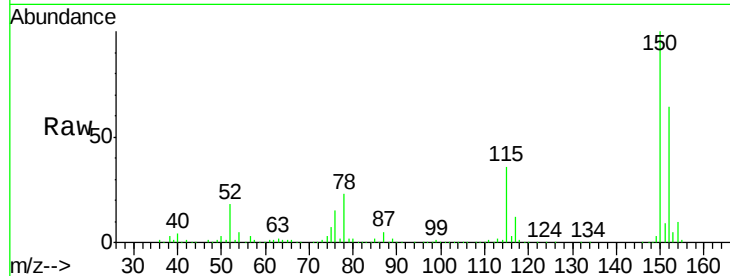
Tot Ion:152 Resp: 206151

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

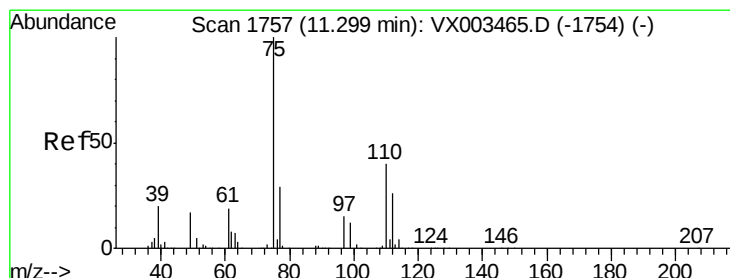
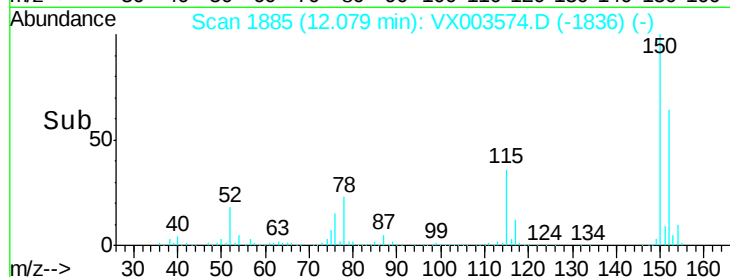
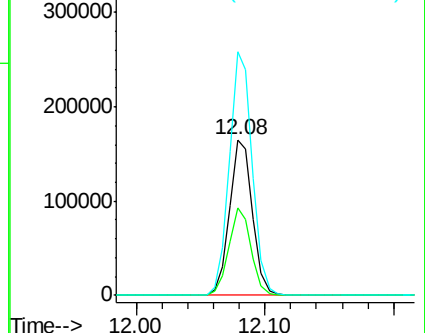
150 156.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003574.D

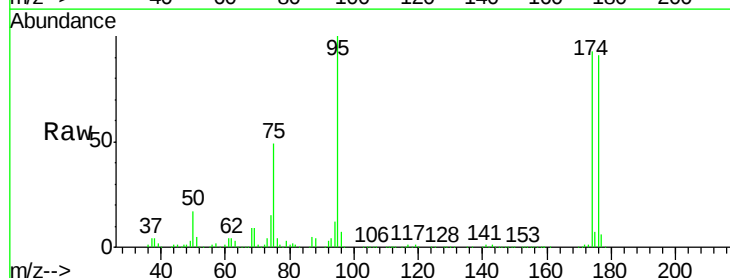
Acq: 22 Jul 2018 01:03

Tgt Ion: 75 Resp: 93627

Ion Ratio Lower Upper

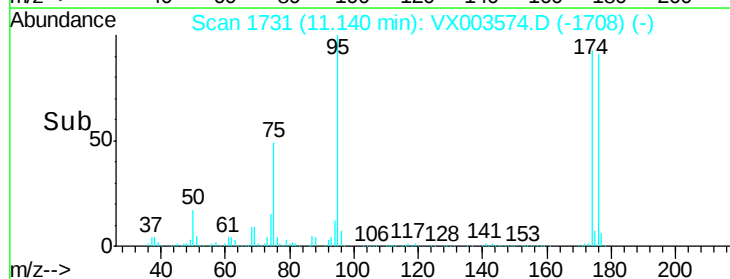
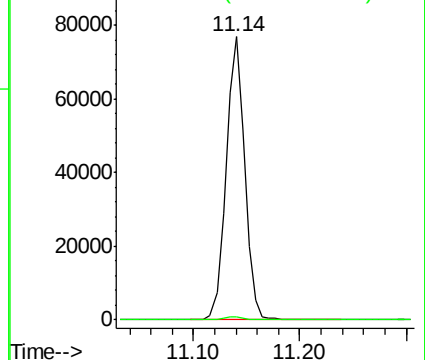
75 100

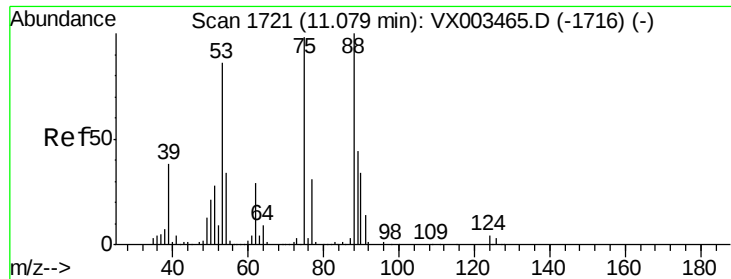
77 1.3 22.8 68.3#



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: 70.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003574.D

Acq: 22 Jul 2018 01:03

Instrument :

MSVOA_X

ClientSampleId :

LCTB02-180717

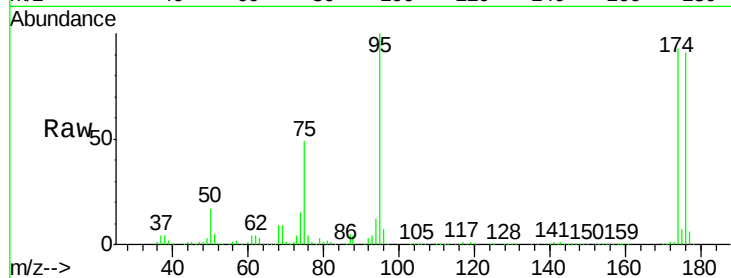
Tot Ion: 75 Resp: 93627

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

