

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003508.D
 Acq On : 20 Jul 2018 14:46
 Operator : JC/SP
 Sample : J3620-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-11-3-0718

Quant Time: Jul 20 16:31:24 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	279211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223035	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	174755	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	5.51	113	156701	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	8.72	98	598352	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.14	95	206827	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

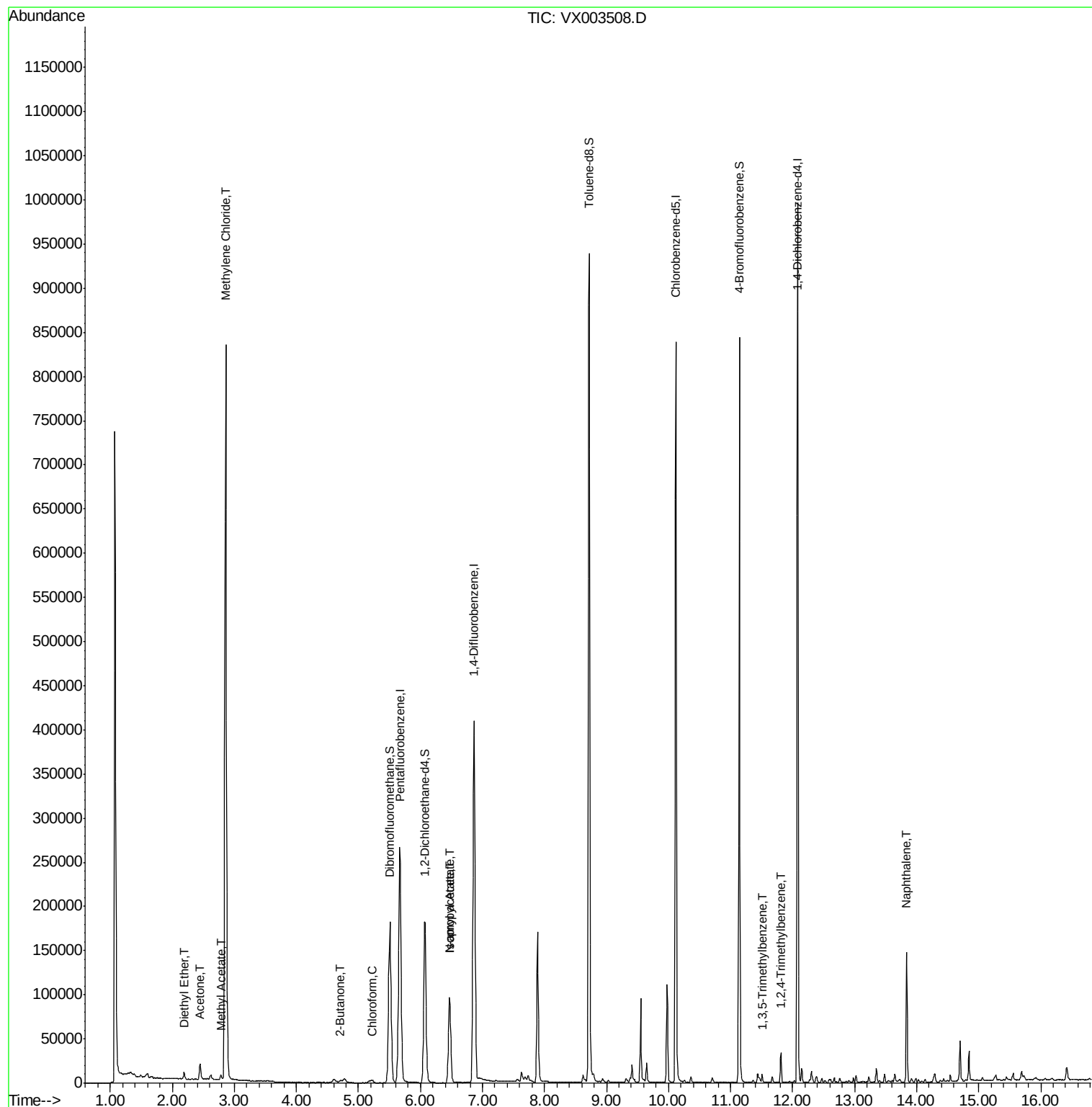
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	2397	1.18	ug/l	100
16) Acetone	2.45	43	18670	14.95	ug/l #	89
18) Methyl Acetate	2.78	43	6005	1.53	ug/l #	89
20) Methylene Chloride	2.86	84	406852	134.75	ug/l	91
25) 2-Butanone	4.71	43	4571	2.18	ug/l #	75
30) Chloroform	5.23	83	3480	0.64	ug/l	91
43) Isopropyl Acetate	6.47	43	129471	18.62	ug/l	94
74) N-amyl acetate	6.47	43	129471	19.77	ug/l #	93
80) 1,3,5-Trimethylbenzene	11.51	105	4138	0.33	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	14702	1.14	ug/l	98
95) Naphthalene	13.83	128	97775	6.32	ug/l	99

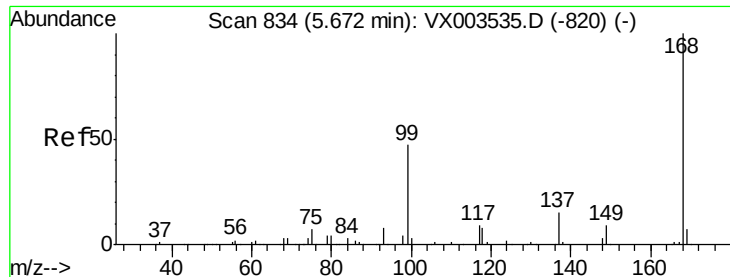
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

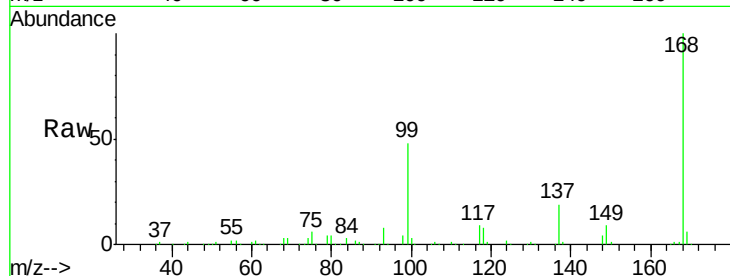
CB-TCLP-11-3-0718

Tot Ion:168 Resp: 279211

Ion Ratio Lower Upper

168 100

99 47.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

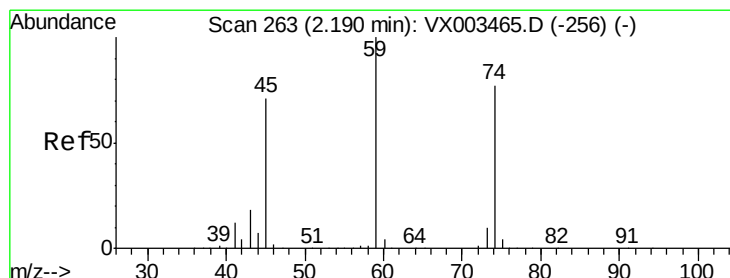
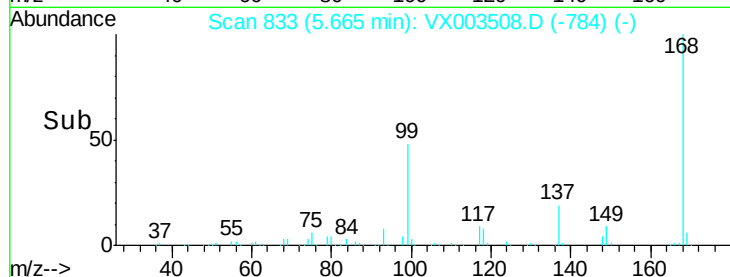
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#8

Diethyl Ether

Concen: 1.18 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003508.D

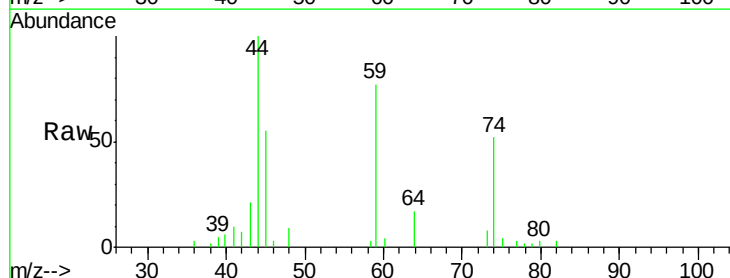
Acq: 20 Jul 2018 14:46

Tgt Ion: 74 Resp: 2397

Ion Ratio Lower Upper

74 100

45 106.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2000

1500

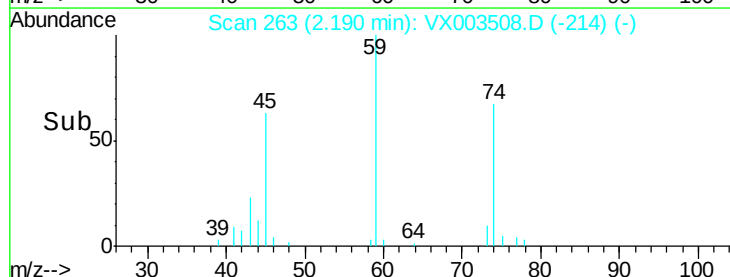
1000

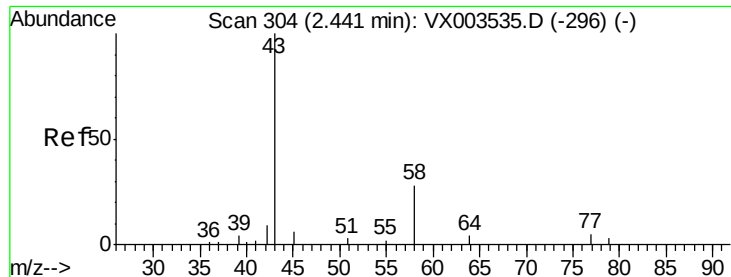
500

0

Time-->

2.15 2.20 2.25





#16

Acetone

Concen: 14.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

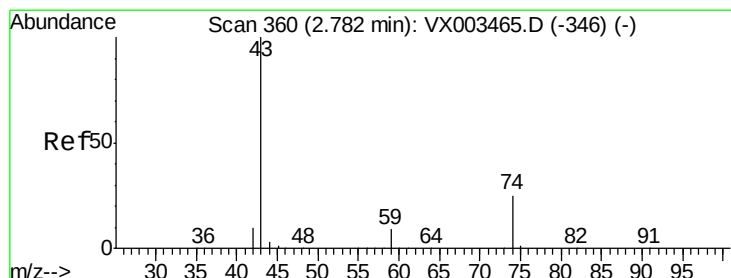
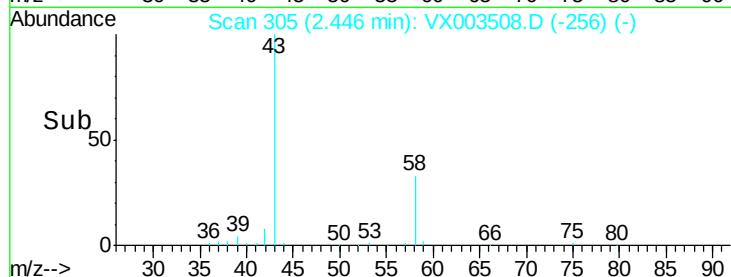
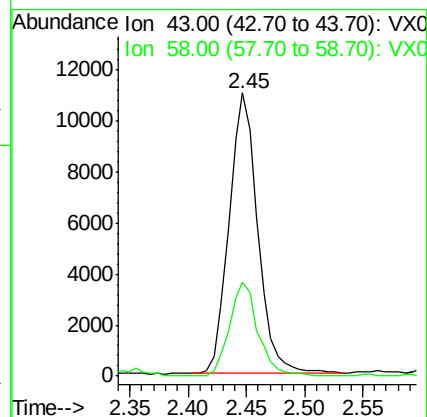
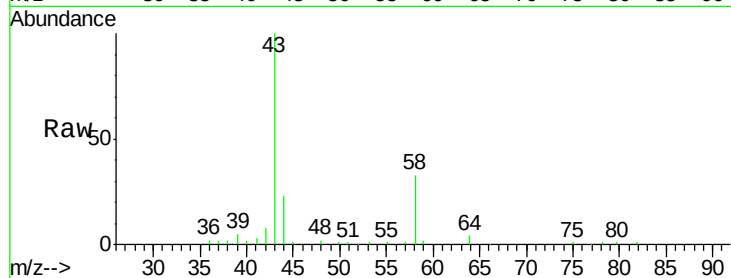
CB-TCLP-11-3-0718

Tot Ion: 43 Resp: 18670

Ion Ratio Lower Upper

43 100

58 33.4 22.1 33.1#



#18

Methyl Acetate

Concen: 1.53 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003508.D

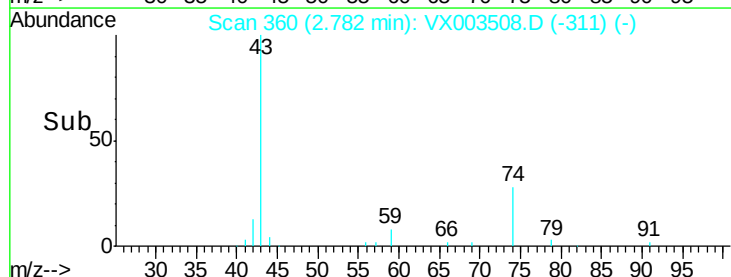
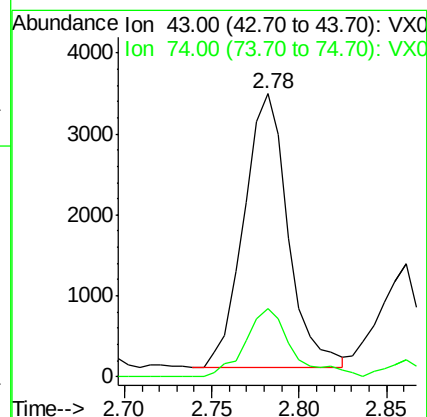
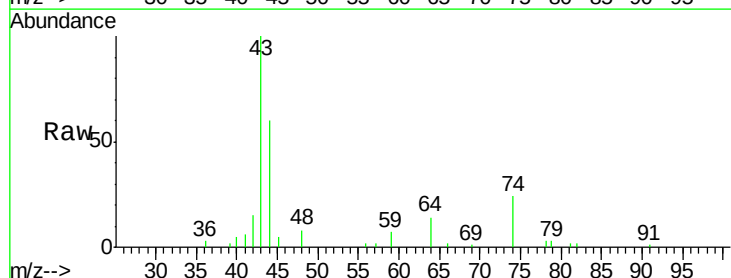
Acq: 20 Jul 2018 14:46

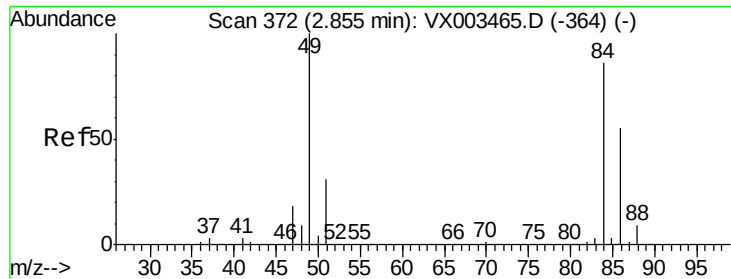
Tgt Ion: 43 Resp: 6005

Ion Ratio Lower Upper

43 100

74 26.2 16.7 25.1#

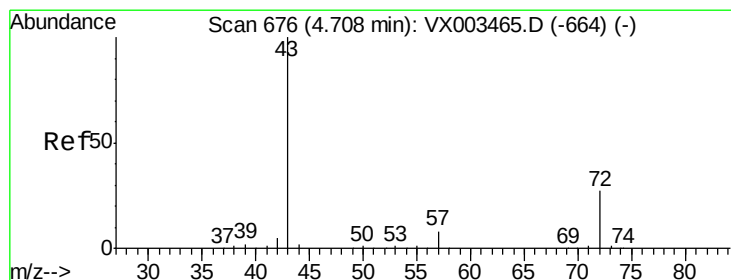
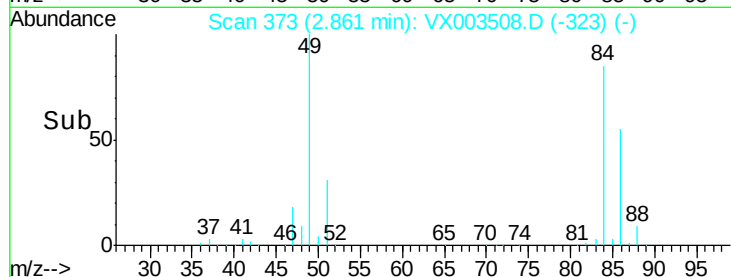
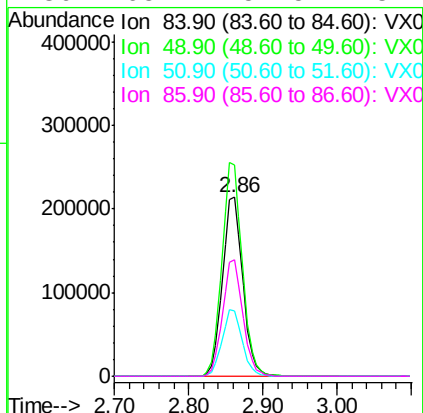
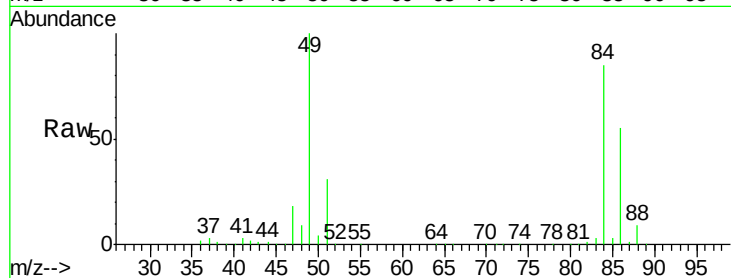




#20
Methvlene Chloride
Concen: 134.75 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003508.D
Acq: 20 Jul 2018 14:46

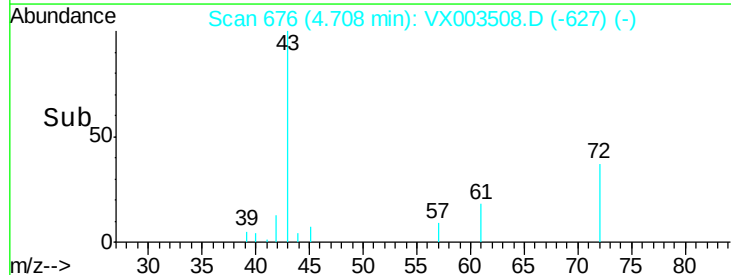
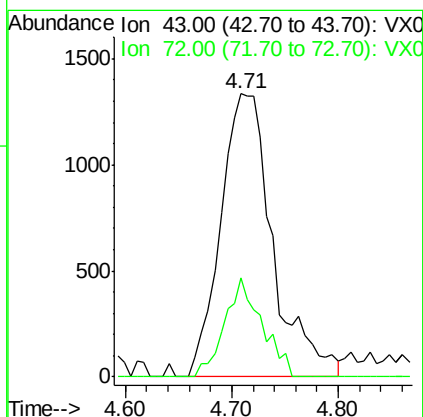
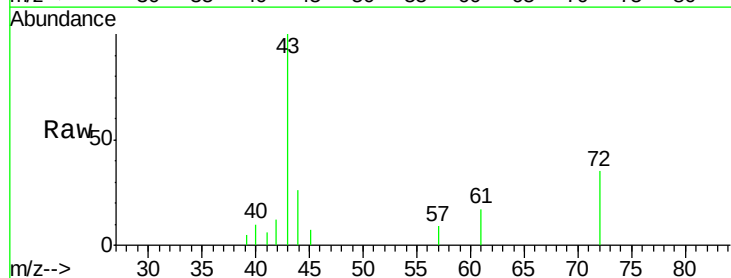
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-11-3-0718

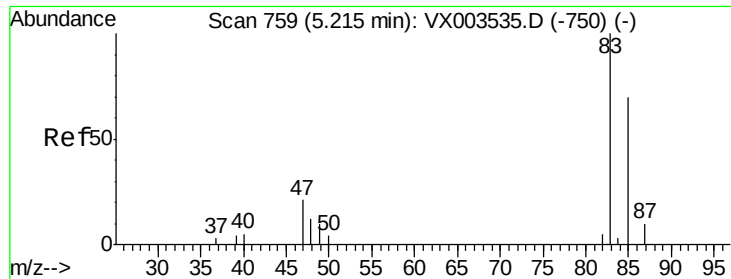
Tot Ion: 84 Resp: 406852
Ion Ratio Lower Upper
84 100
49 117.6 107.8 161.6
51 36.3 32.8 49.2
86 65.2 52.5 78.7



#25
2-Butanone
Concen: 2.18 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX003508.D
Acq: 20 Jul 2018 14:46

Tgt Ion: 43 Resp: 4571
Ion Ratio Lower Upper
43 100
72 35.2 18.5 27.7#

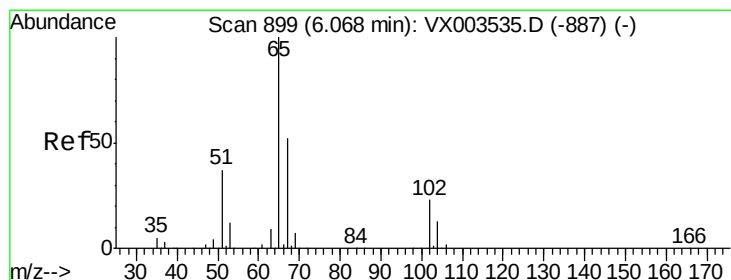
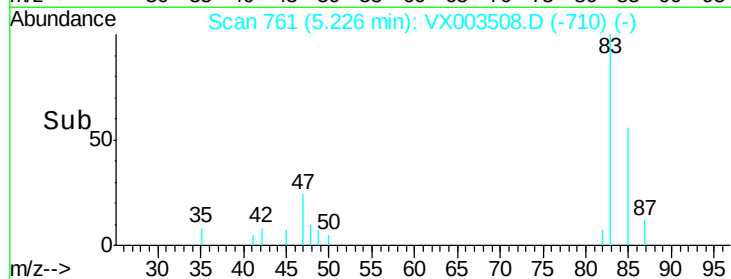
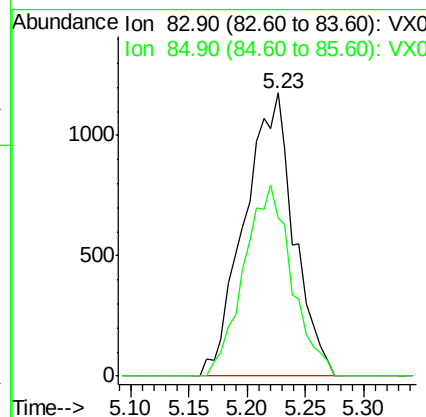
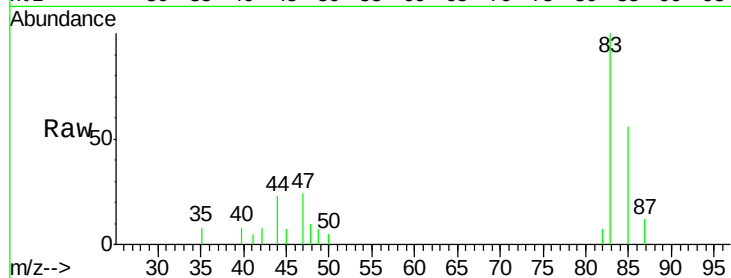




#30
Chloroform
Concen: 0.64 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX003508.D
Acq: 20 Jul 2018 14:46

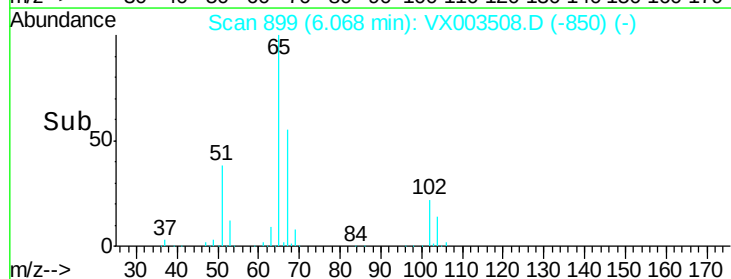
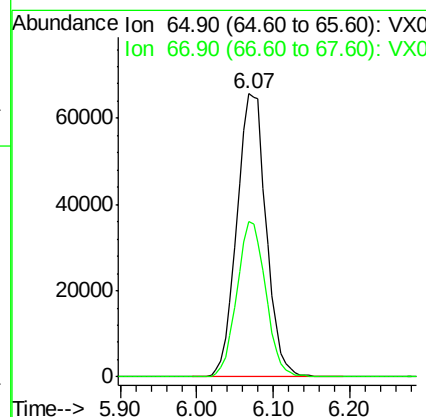
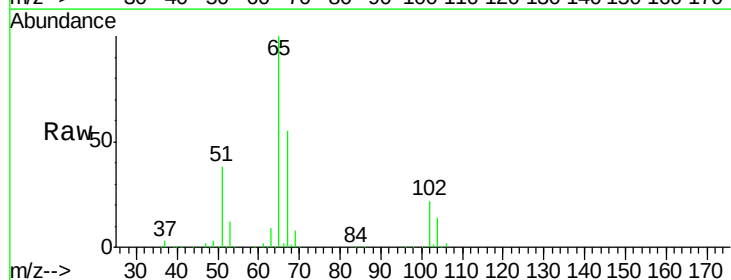
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-11-3-0718

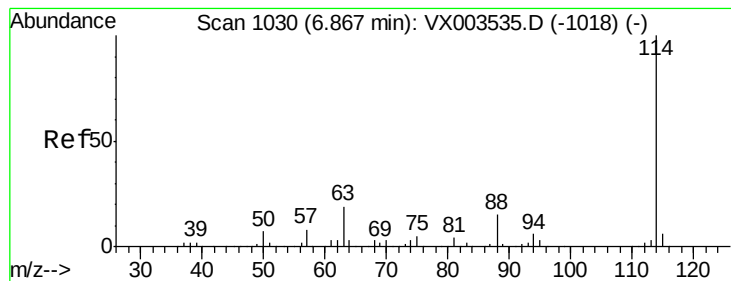
Tot Ion: 83 Resp: 3480
Ion Ratio Lower Upper
83 100
85 55.6 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 52.87 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003508.D
Acq: 20 Jul 2018 14:46

Tgt Ion: 65 Resp: 174755
Ion Ratio Lower Upper
65 100
67 53.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-11-3-0718

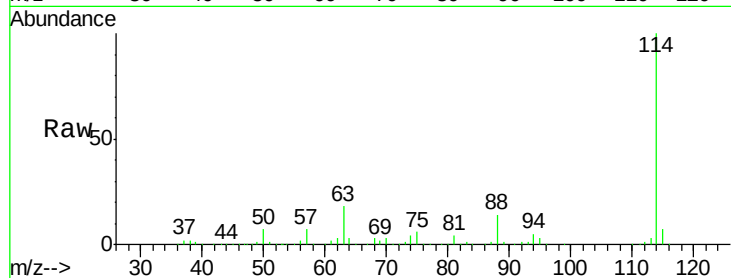
Tot Ion:114 Resp: 427931

Ion Ratio Lower Upper

114 100

63 17.6 0.0 41.4

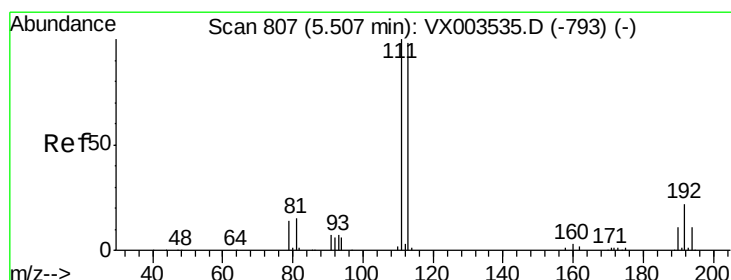
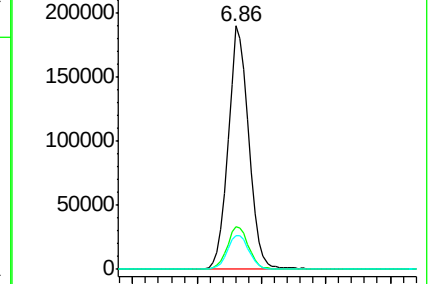
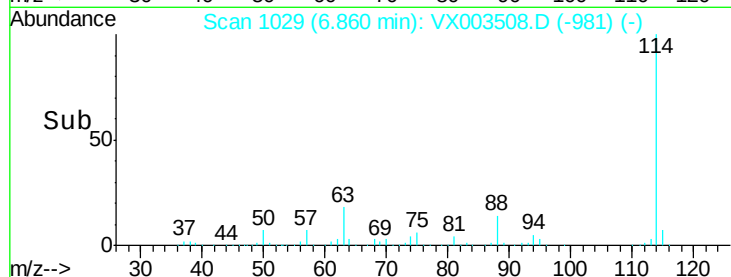
88 13.9 0.0 30.0



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: 48.08 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

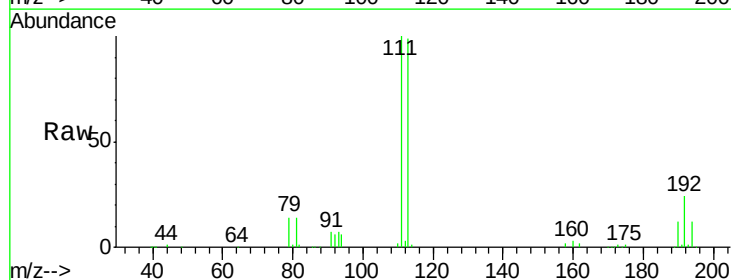
Tgt Ion:113 Resp: 156701

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

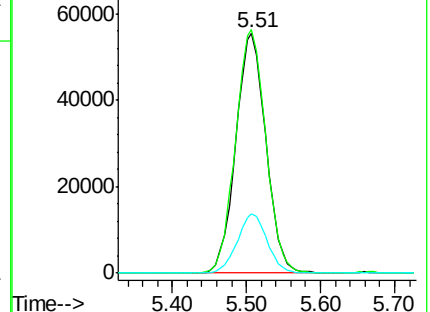
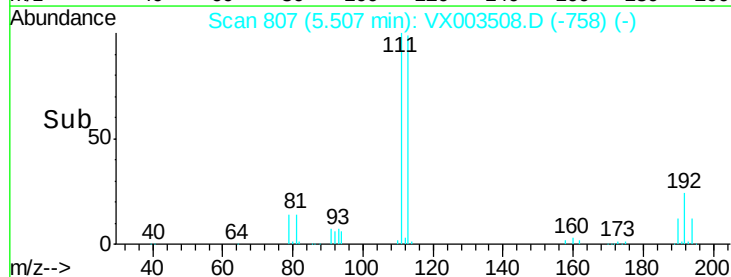
192 24.7 19.1 28.7

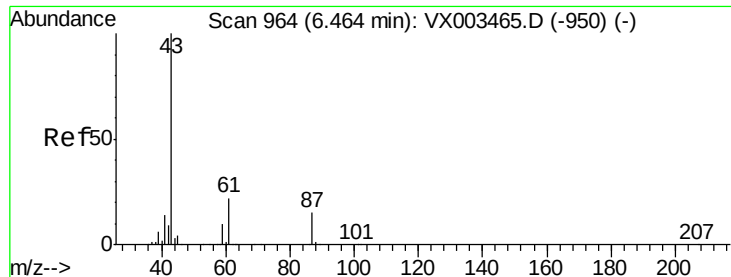


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 18.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

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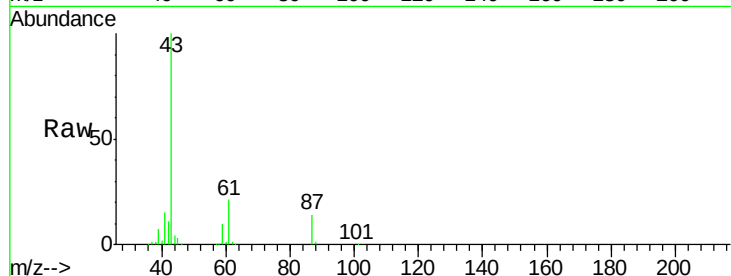
Tot Ion: 43 Resp: 129471

Ion Ratio Lower Upper

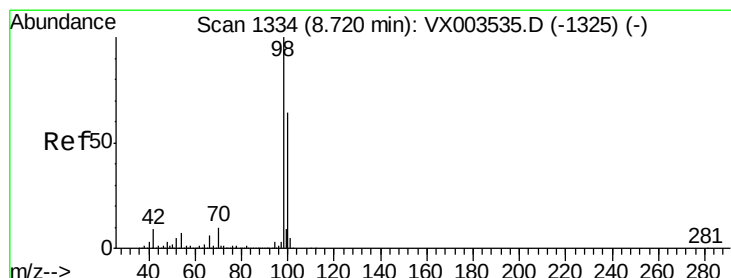
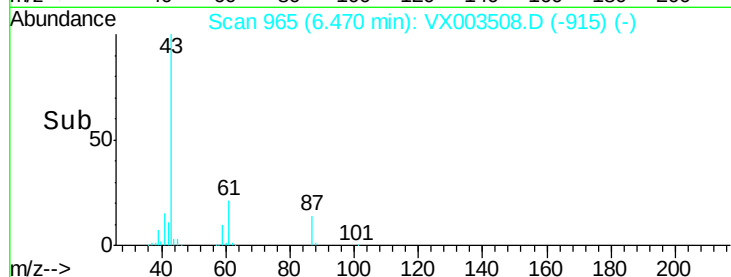
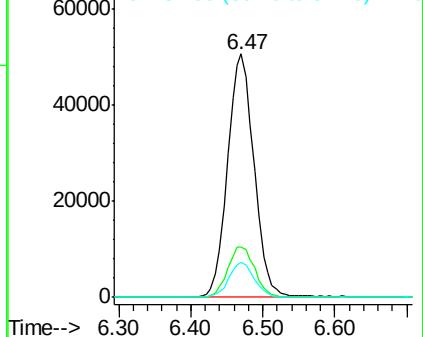
43 100

61 21.2 14.4 21.6

87 13.7 9.5 14.3



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: 48.84 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003508.D

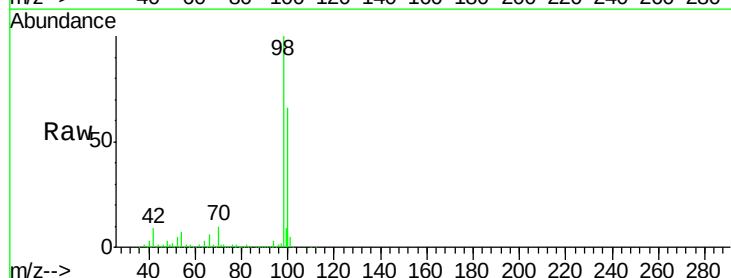
Acq: 20 Jul 2018 14:46

Tgt Ion: 98 Resp: 598352

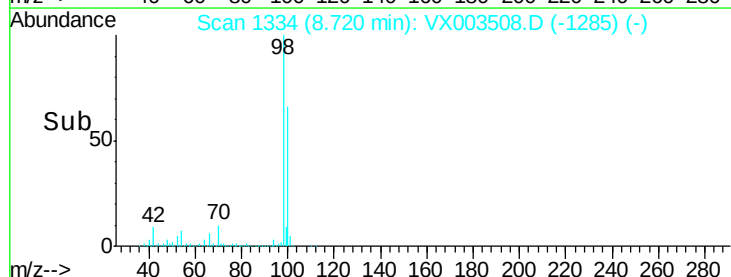
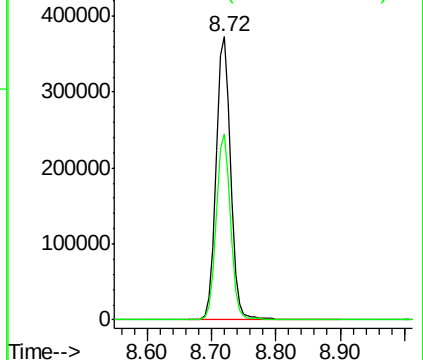
Ion Ratio Lower Upper

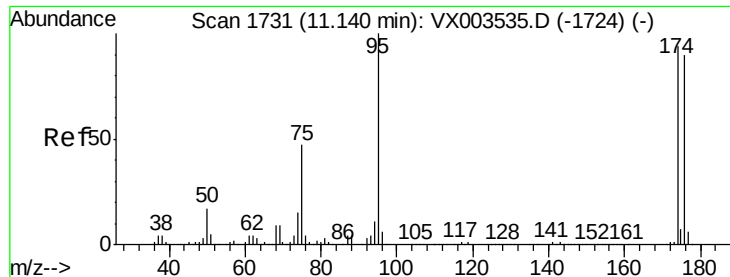
98 100

100 64.5 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: 46.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

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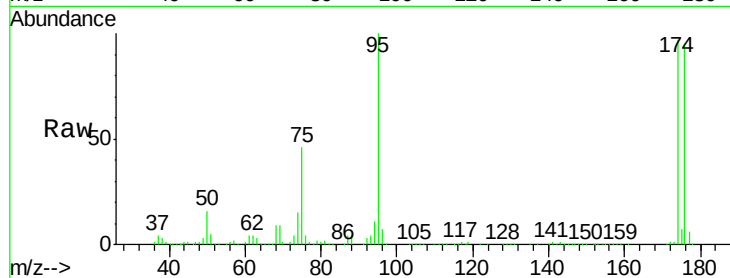
Tot Ion: 95 Resp: 206827

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

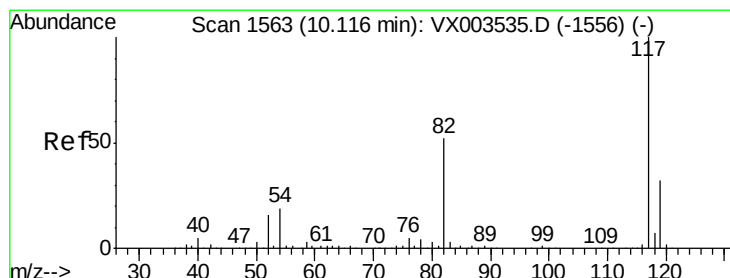
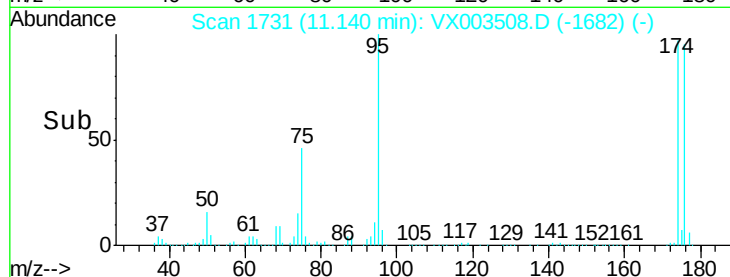
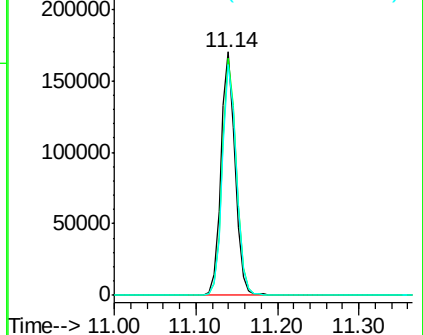
176 94.5 0.0 181.0



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: VX003508.D

Acq: 20 Jul 2018 14:46

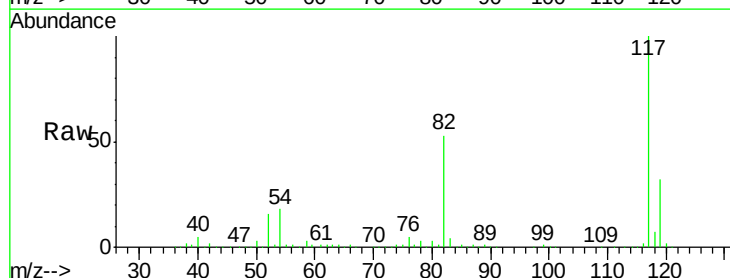
Tgt Ion: 117 Resp: 402411

Ion Ratio Lower Upper

117 100

82 53.2 45.0 67.4

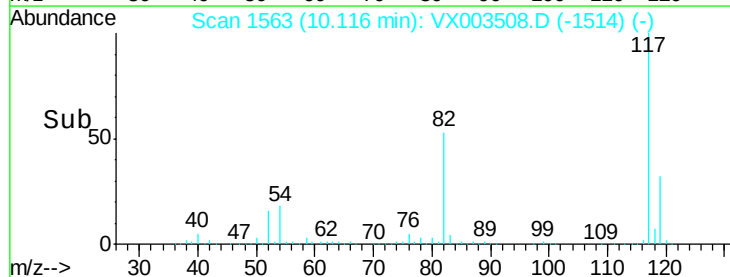
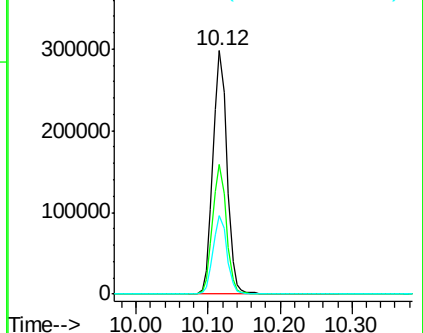
119 32.4 25.8 38.6

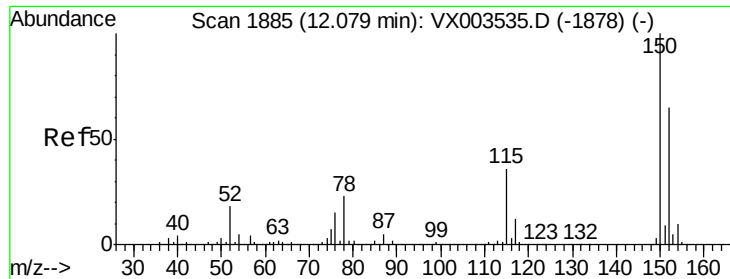


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX003508.D

Acq: 20 Jul 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-11-3-0718

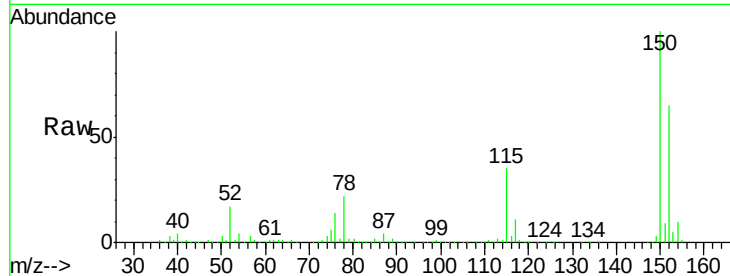
Tot Ion:152 Resp: 223035

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

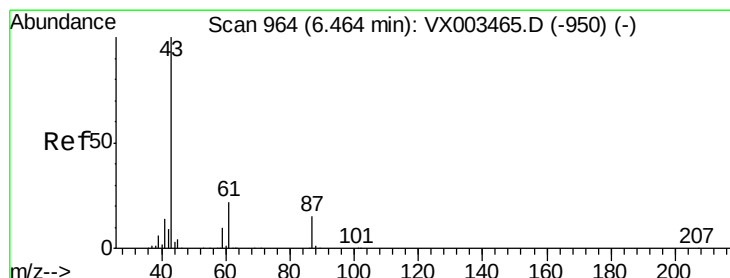
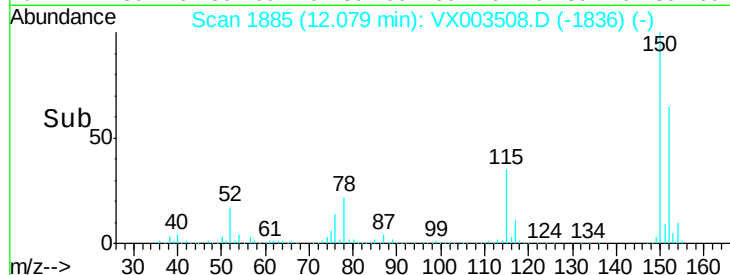
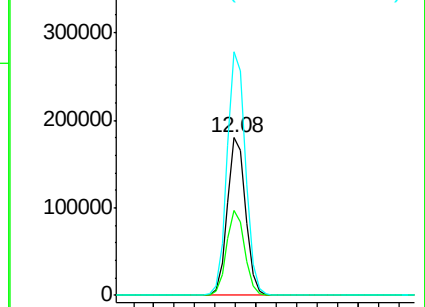
150 156.0 0.0 347.2



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



#74

N-ethyl acetate

Concen: 19.77 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003508.D

Acq: 20 Jul 2018 14:46

Tgt Ion: 43 Resp: 129471

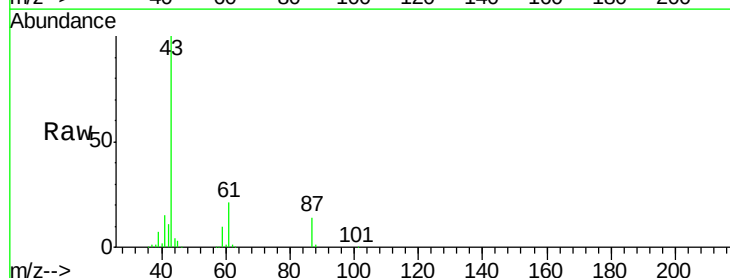
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.2 14.4 21.6

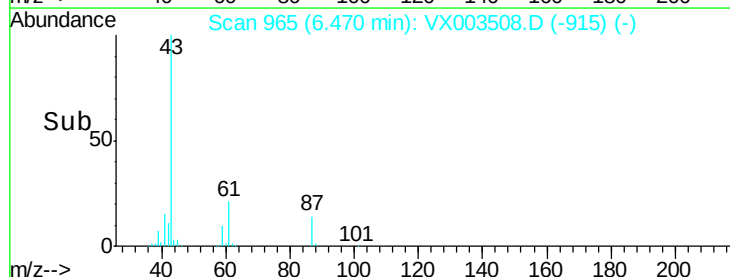
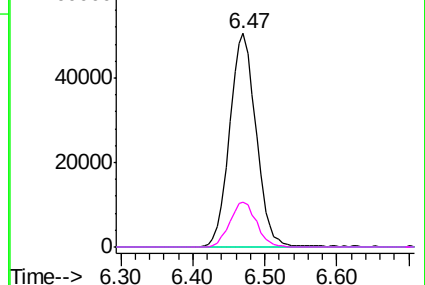


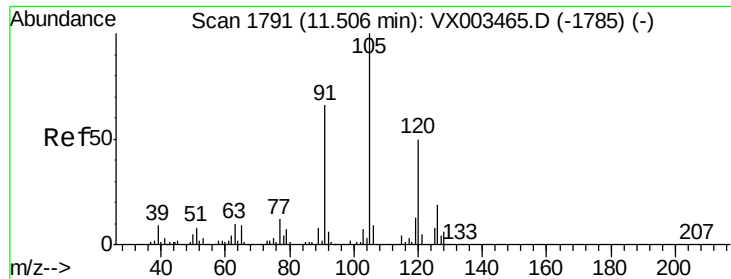
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

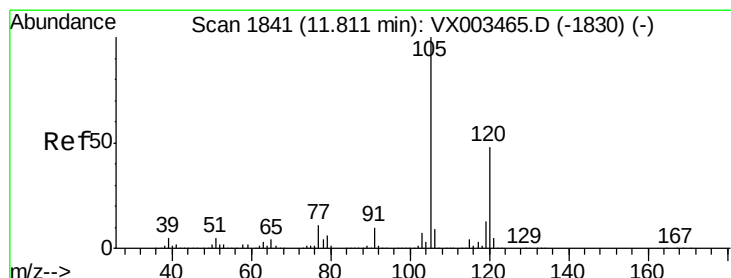
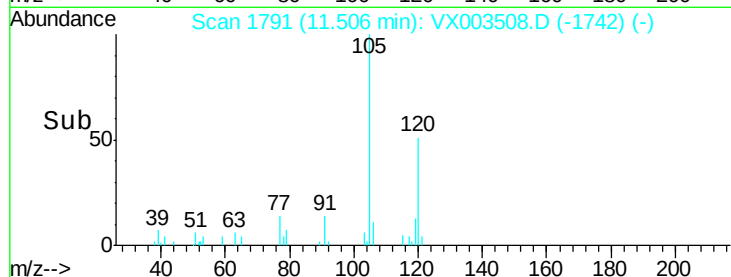
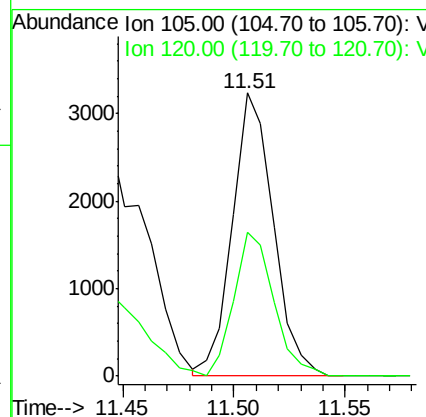
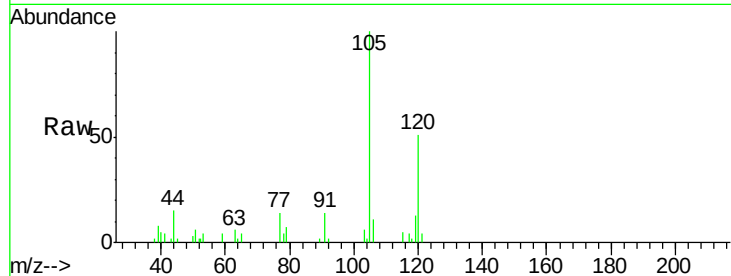




#80
 1,3,5-Trimethylbenzene
 Concen: 0.33 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003508.D
 Acq: 20 Jul 2018 14:46

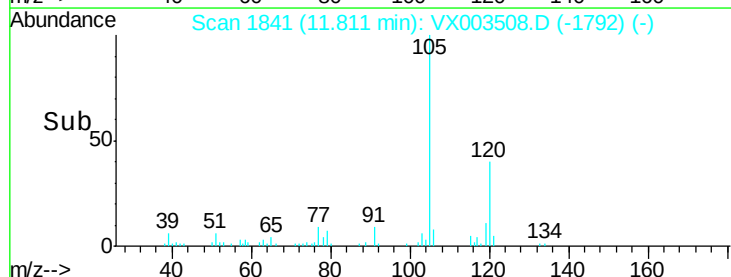
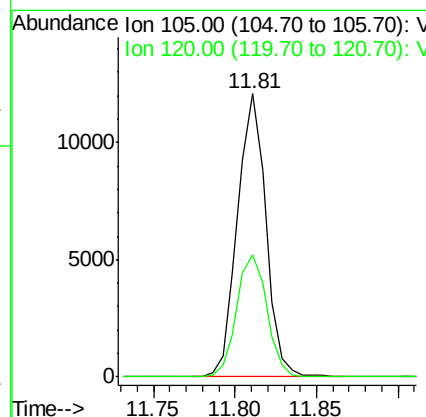
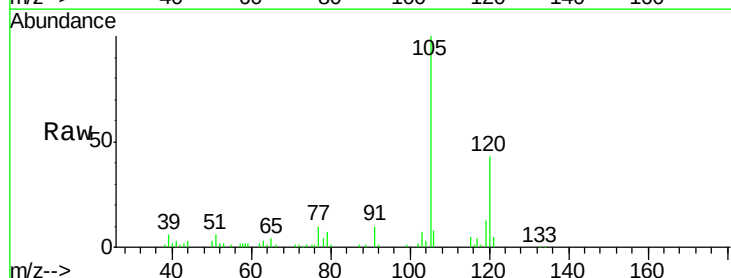
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-11-3-0718

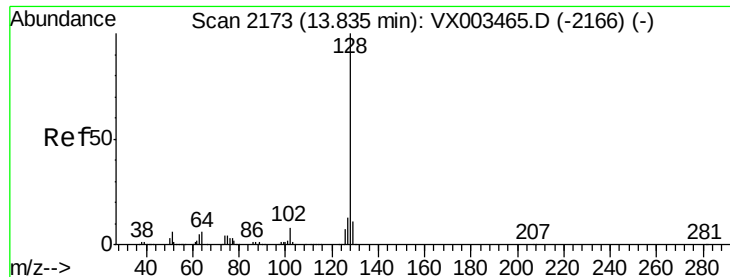
Tot Ion:105 Resp: 4138
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 1.14 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003508.D
 Acq: 20 Jul 2018 14:46

Tgt Ion:105 Resp: 14702
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8





#95
Naphthalene
Concen: 6.32 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003508.D
Acq: 20 Jul 2018 14:46

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-11-3-0718

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.0	8.6	13.0

