

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003506.D
 Acq On : 20 Jul 2018 13:53
 Operator : JC/SP
 Sample : J3620-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-11-1-0718

Quant Time: Jul 20 14:24:20 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	272719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	418582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225885	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	181735	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
35) Dibromofluoromethane	5.51	113	156575	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.72	98	612839	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.14	95	209495	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

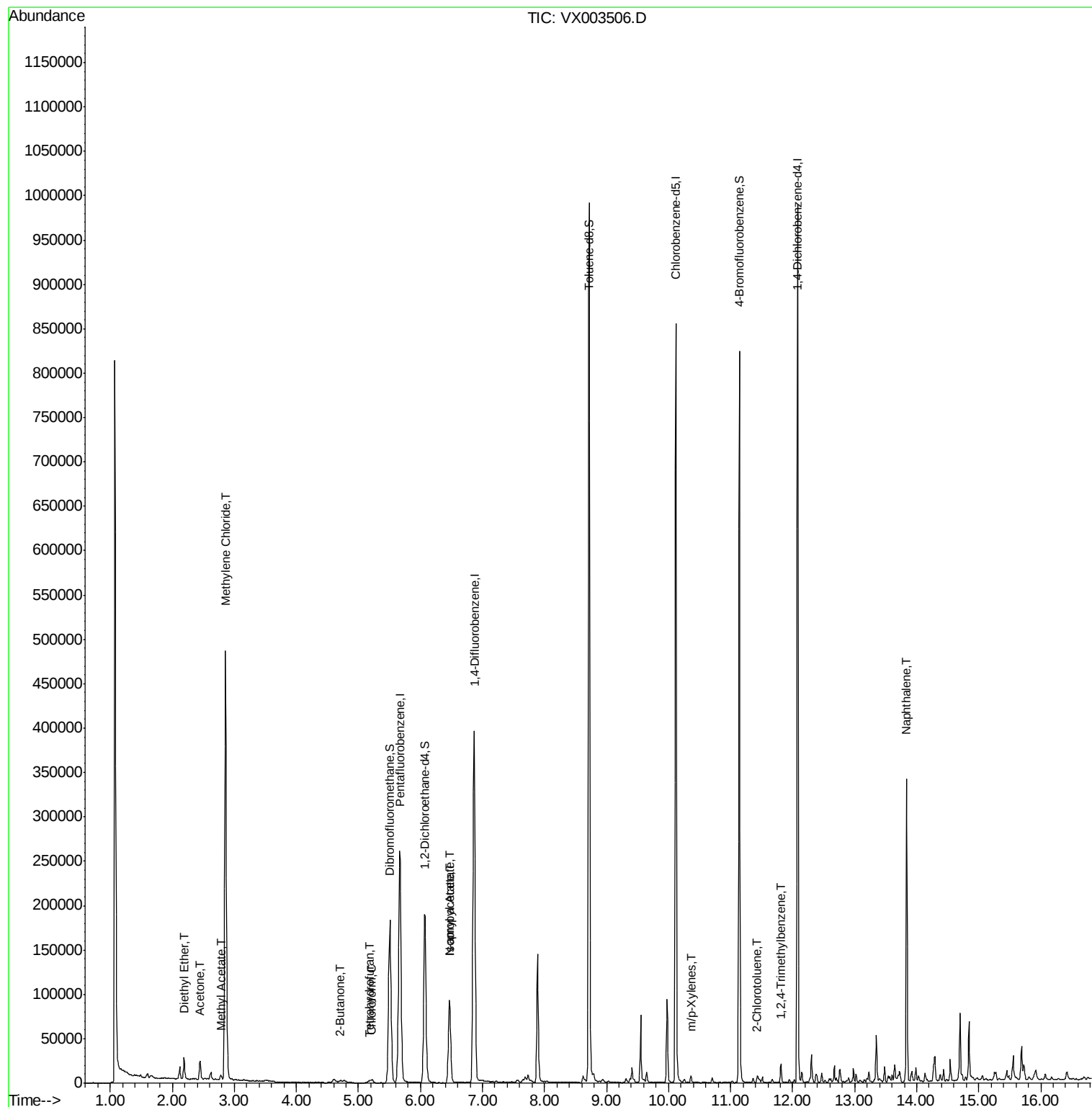
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	8612	4.34	ug/l	93
16) Acetone	2.45	43	22685	18.60	ug/l #	86
18) Methyl Acetate	2.78	43	5860	1.52	ug/l #	90
20) Methylene Chloride	2.86	84	236900	79.97	ug/l	90
25) 2-Butanone	4.71	43	4587	2.24	ug/l	92
29) Tetrahydrofuran	5.17	42	1887	1.40	ug/l	96
30) Chloroform	5.21	83	3769	0.71	ug/l #	83
43) Isopropyl Acetate	6.47	43	121395	17.84	ug/l	94
68) m/p-Xylenes	10.36	106	1937	0.29	ug/l	98
74) N-amyl acetate	6.47	43	121395	18.30	ug/l #	94
79) 2-Chlorotoluene	11.42	91	2479	0.24	ug/l	84
84) 1,2,4-Trimethylbenzene	11.81	105	8918	0.68	ug/l	98
95) Naphthalene	13.83	128	217066	13.85	ug/l	99

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

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QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

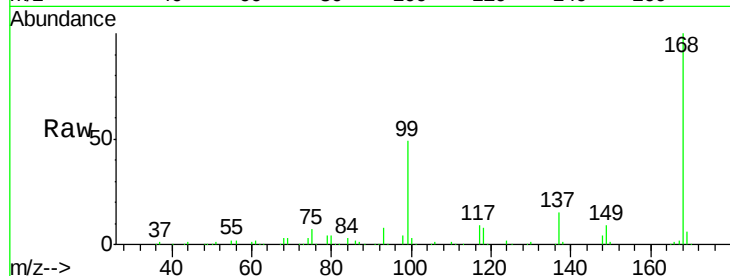
CB-TCLP-11-1-0718

Tot Ion:168 Resp: 272719

Ion Ratio Lower Upper

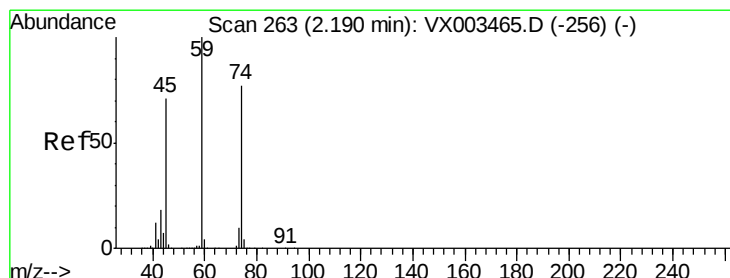
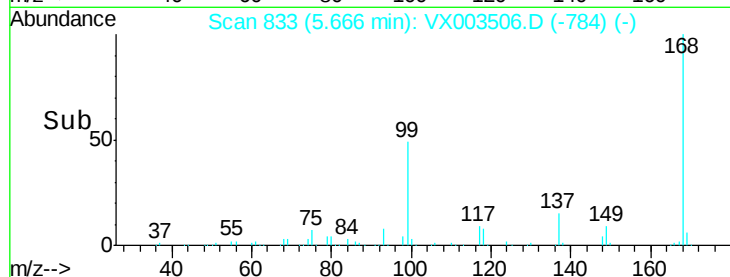
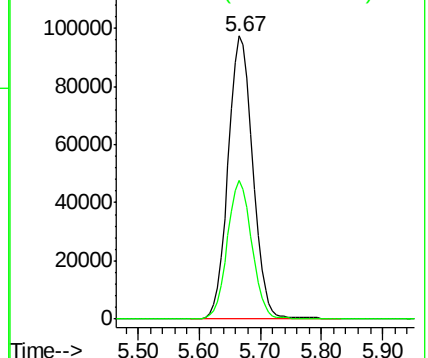
168 100

99 49.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 4.34 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003506.D

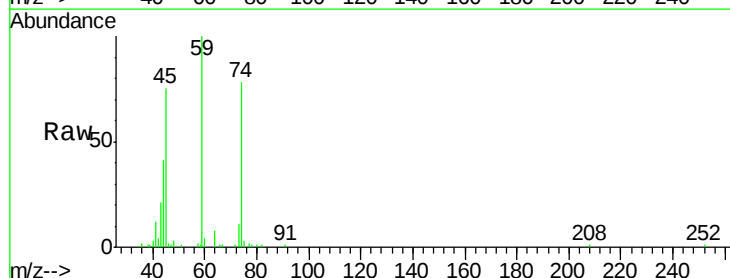
Acq: 20 Jul 2018 13:53

Tgt Ion: 74 Resp: 8612

Ion Ratio Lower Upper

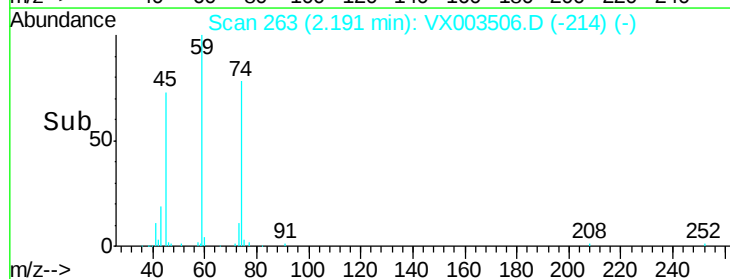
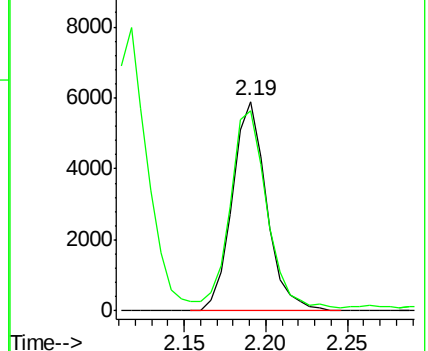
74 100

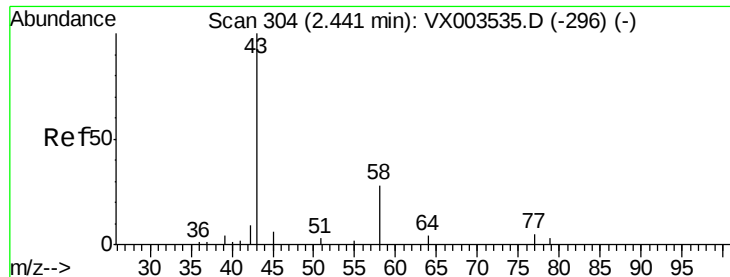
45 99.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#16

Acetone

Concen: 18.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

MSVOA_X

ClientSampleId :

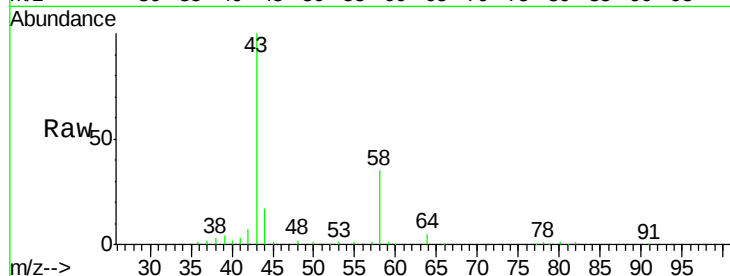
CB-TCLP-11-1-0718

Tot Ion: 43 Resp: 22685

Ion Ratio Lower Upper

43 100

58 34.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

15000

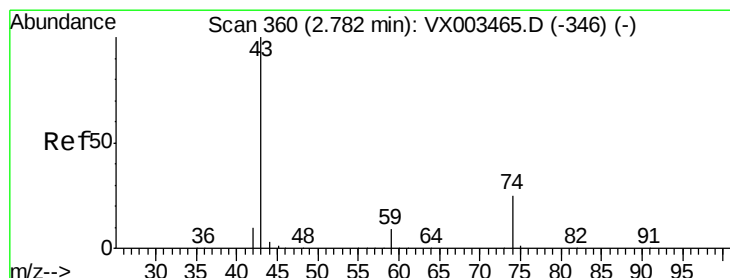
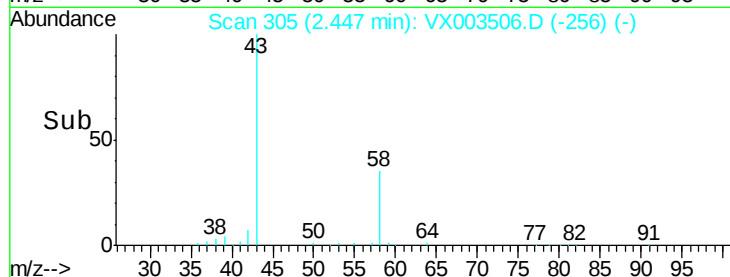
10000

5000

0

Time-->

2.40 2.50 2.60



#18

Methyl Acetate

Concen: 1.52 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003506.D

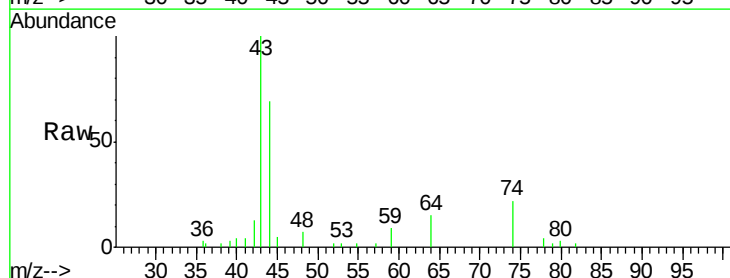
Acq: 20 Jul 2018 13:53

Tgt Ion: 43 Resp: 5860

Ion Ratio Lower Upper

43 100

74 25.6 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

3000

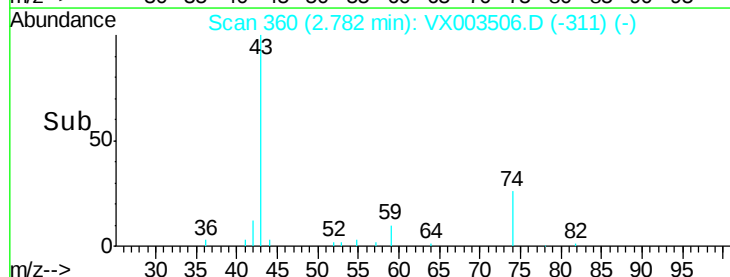
2000

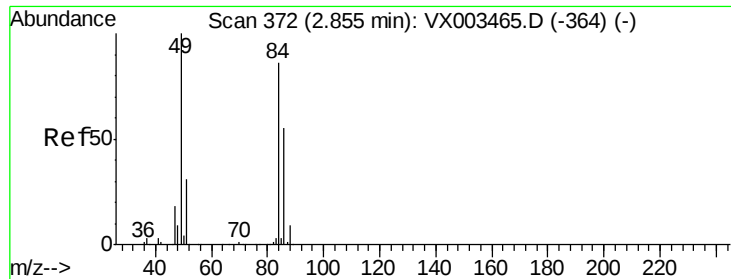
1000

0

Time-->

2.70 2.75 2.80 2.85





#20

Methylene Chloride

Concen: 79.97 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

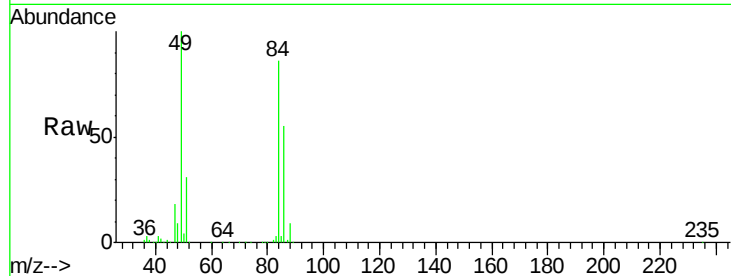
MSVOA_X

ClientSampleId :

CB-TCLP-11-1-0718

Tot Ion: 84 Resp: 236900

Ion	Ratio	Lower	Upper
84	100		
49	116.6	107.8	161.6
51	35.7	32.8	49.2
86	64.2	52.5	78.7

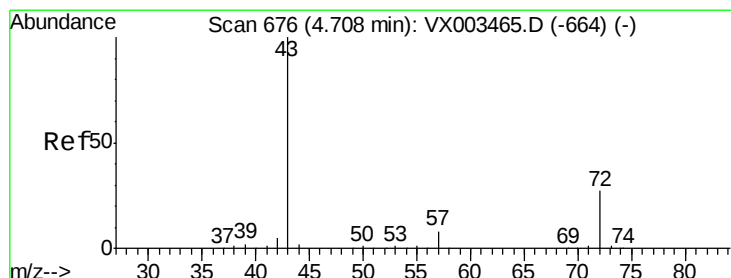
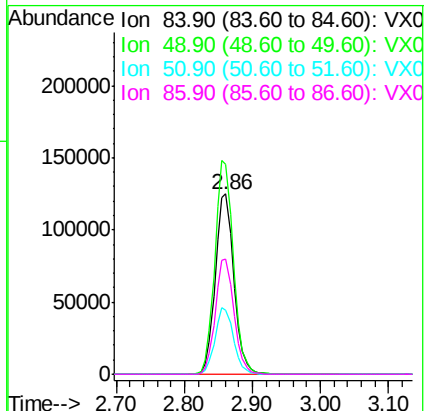
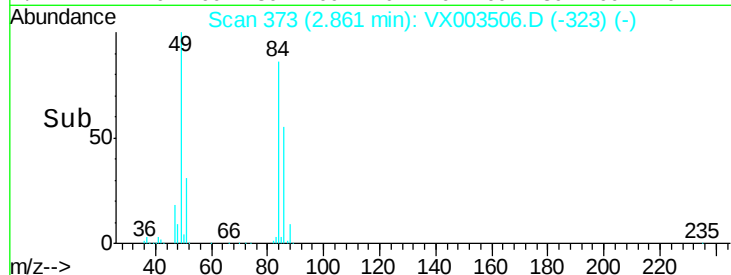


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 2.24 ug/l

RT: 4.71 min Scan# 676

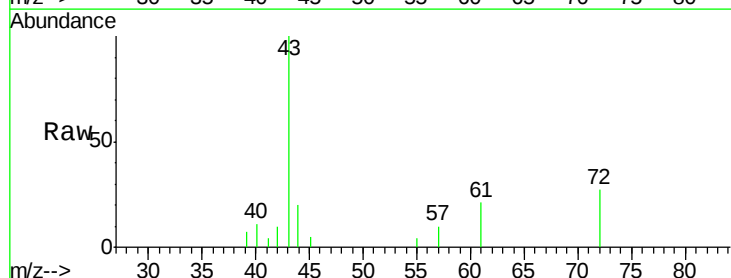
Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

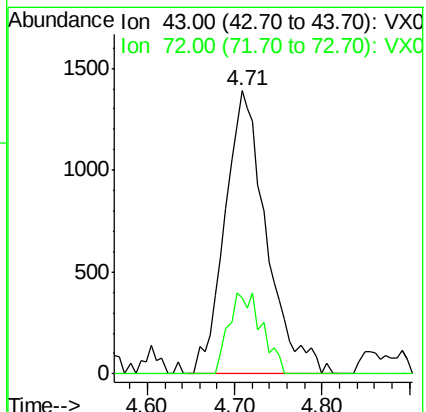
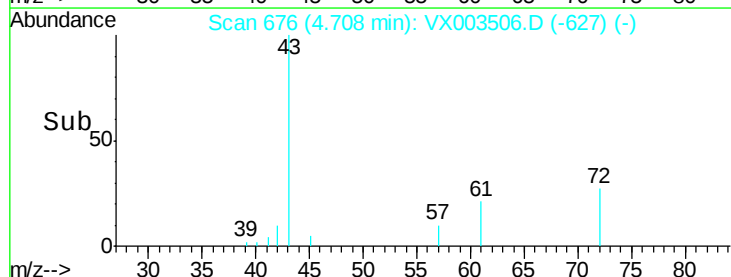
Tgt Ion: 43 Resp: 4587

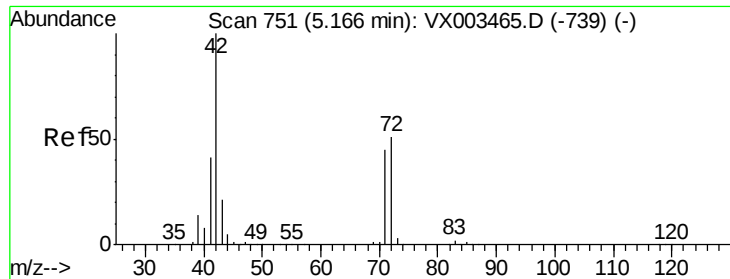
Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.5	27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.40 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-11-1-0718

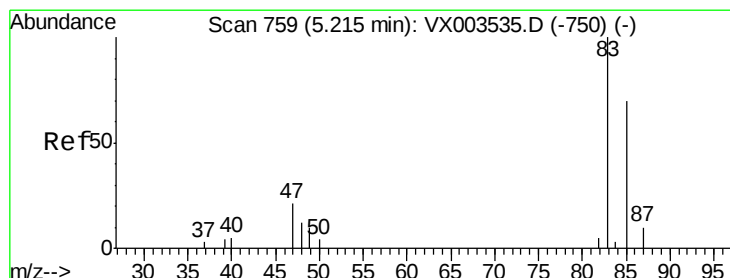
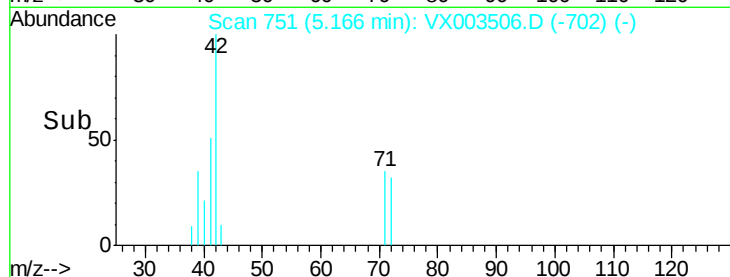
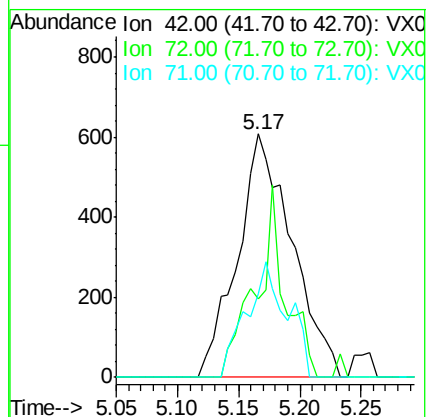
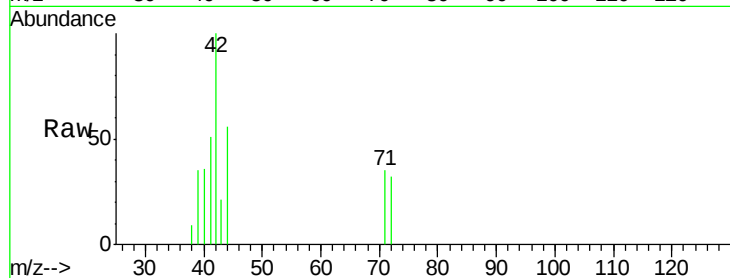
Tot Ion: 42 Resp: 1887

Ion Ratio Lower Upper

42 100

72 43.1 32.0 48.0

71 35.7 30.1 45.1



#30

Chloroform

Concen: 0.71 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003506.D

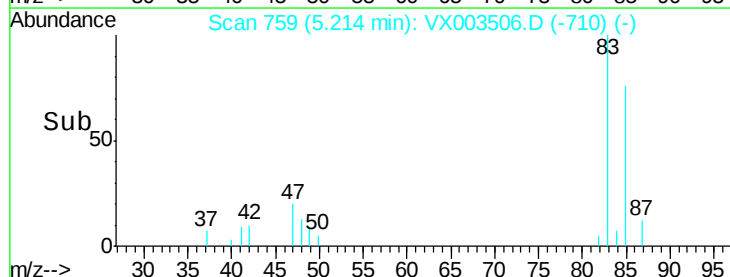
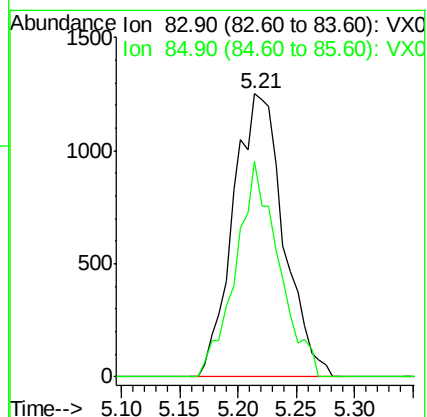
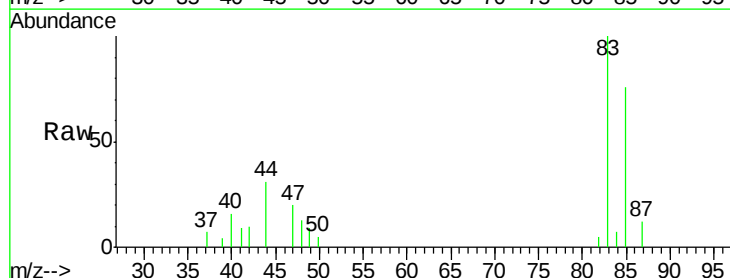
Acq: 20 Jul 2018 13:53

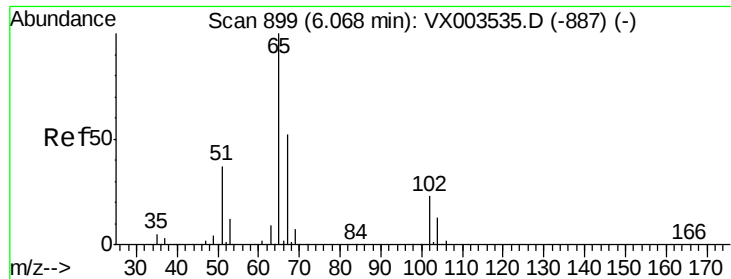
Tgt Ion: 83 Resp: 3769

Ion Ratio Lower Upper

83 100

85 76.2 50.4 75.6#





#33

1,2-Dichloroethane-d4

Concen: 56.30 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

MSVOA_X

ClientSampleId :

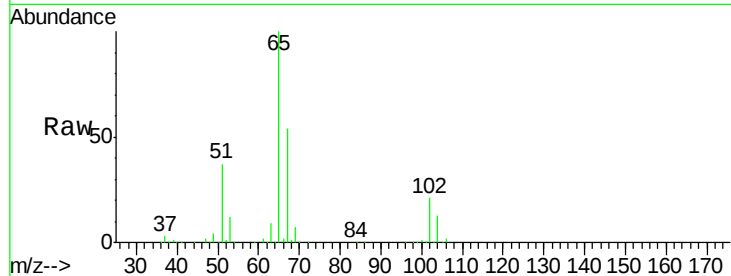
CB-TCLP-11-1-0718

Tot Ion: 65 Resp: 181735

Ion Ratio Lower Upper

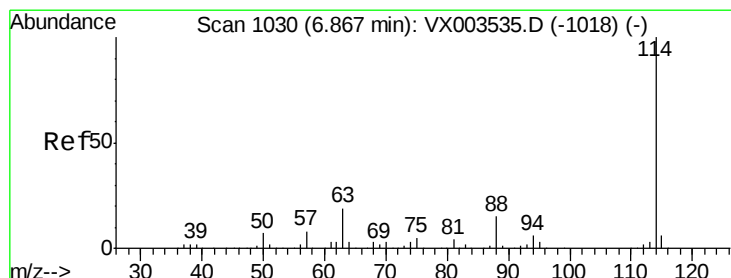
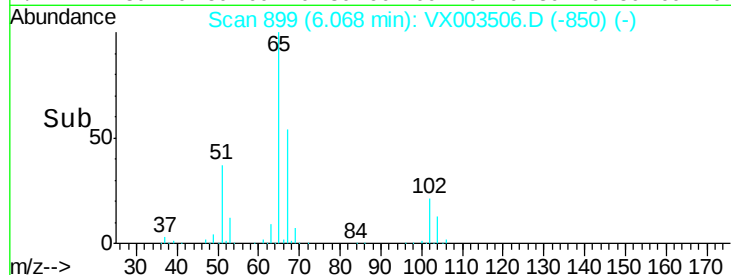
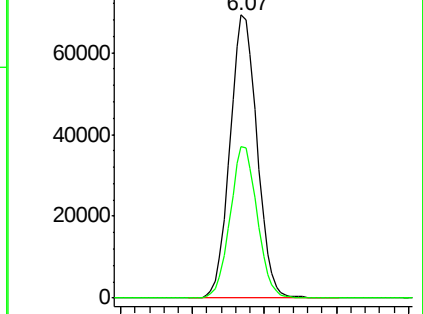
65 100

67 53.5 0.0 102.6



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# 1030

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

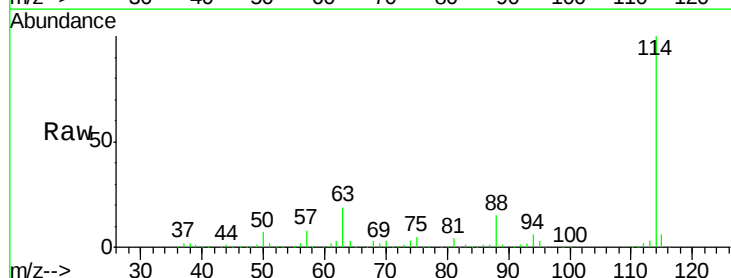
Tgt Ion: 114 Resp: 418582

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

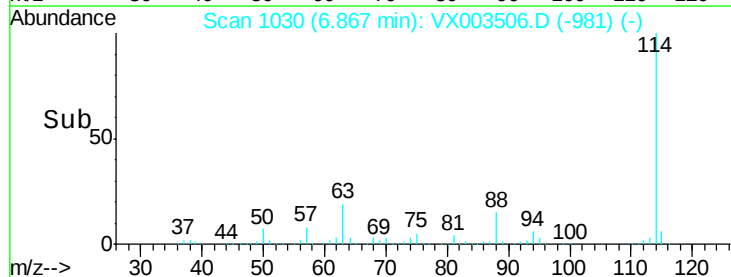
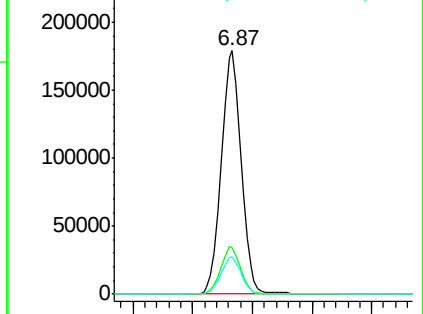
88 15.3 0.0 30.0

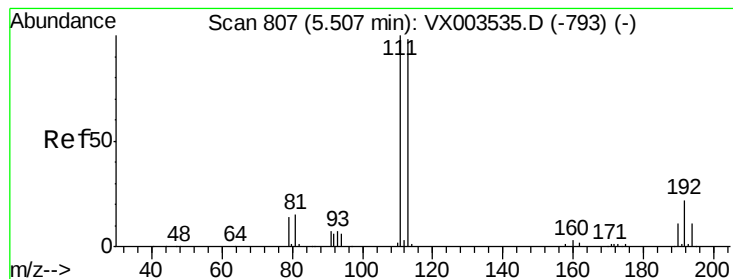


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.11 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003506.D

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ClientSampleId :

CB-TCLP-11-1-0718

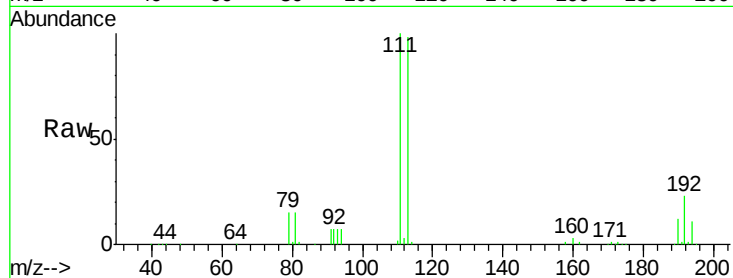
Tot Ion:113 Resp: 156575

Ion Ratio Lower Upper

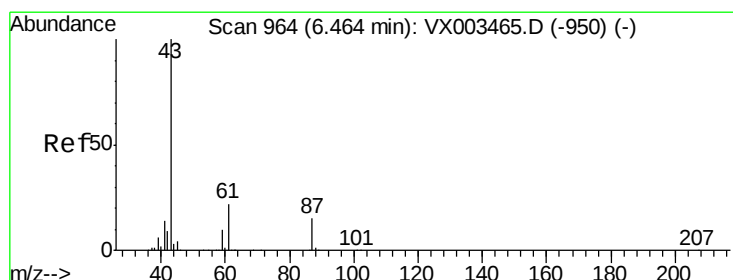
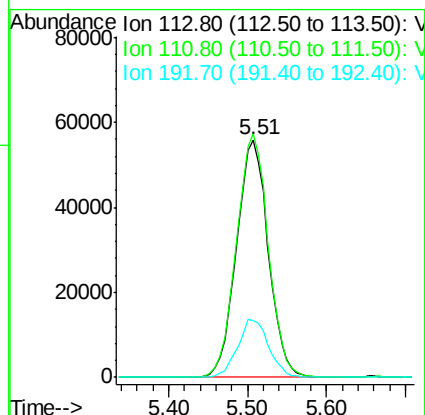
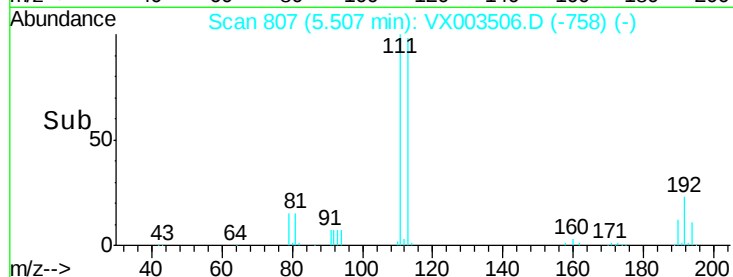
113 100

111 102.9 81.4 122.0

192 23.9 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: 17.84 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

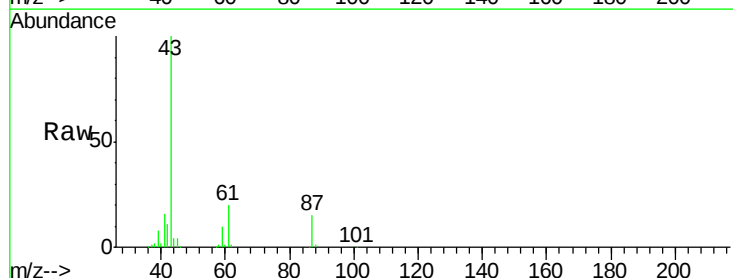
Tgt Ion: 43 Resp: 121395

Ion Ratio Lower Upper

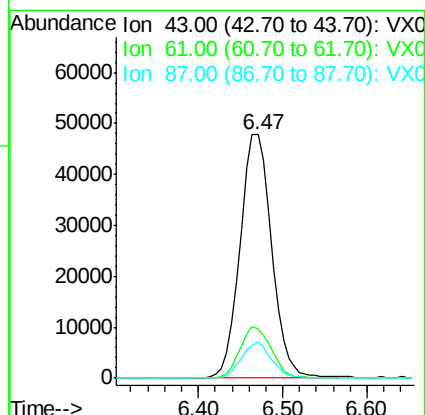
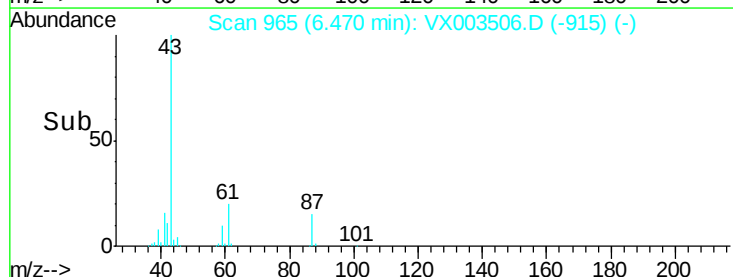
43 100

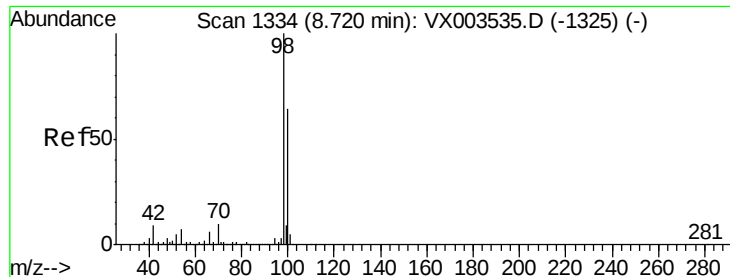
61 20.9 14.4 21.6

87 13.8 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

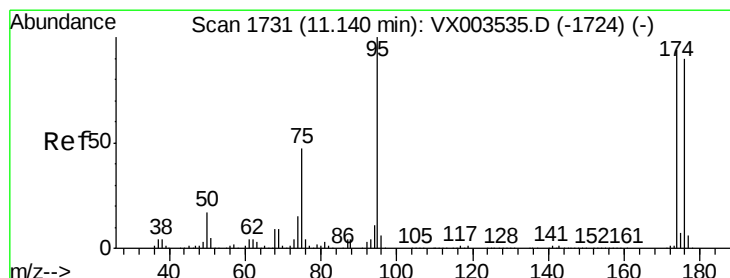
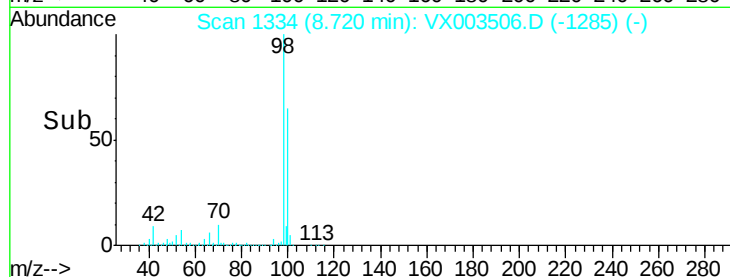
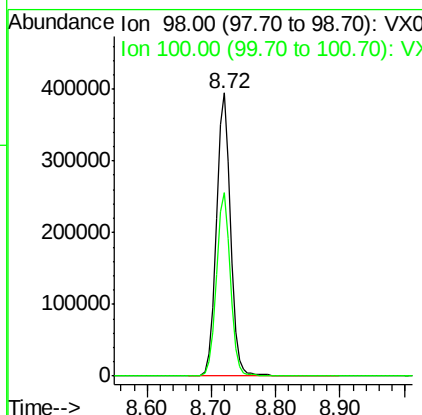
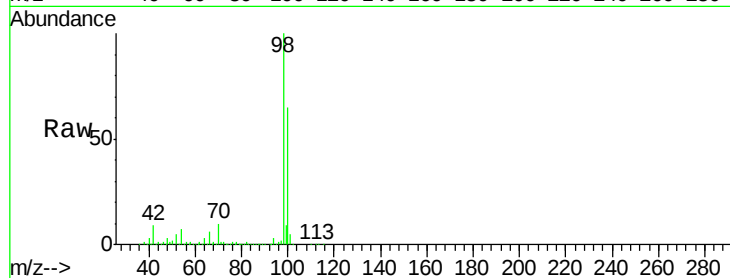




#50
Toluene-d8
Concen: 51.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003506.D
Acq: 20 Jul 2018 13:53

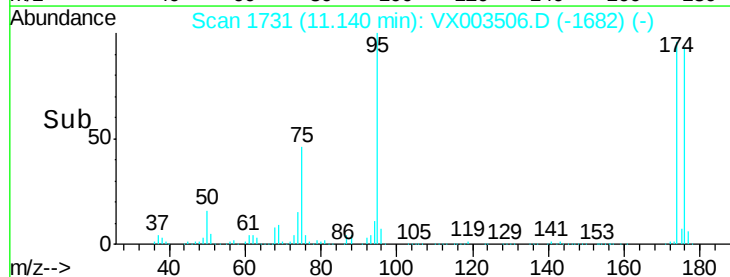
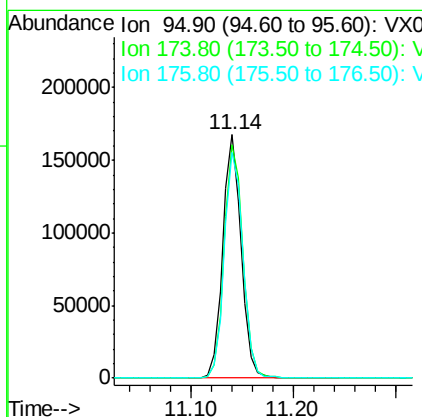
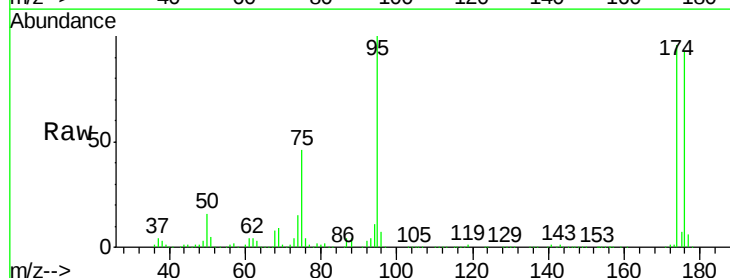
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-11-1-0718

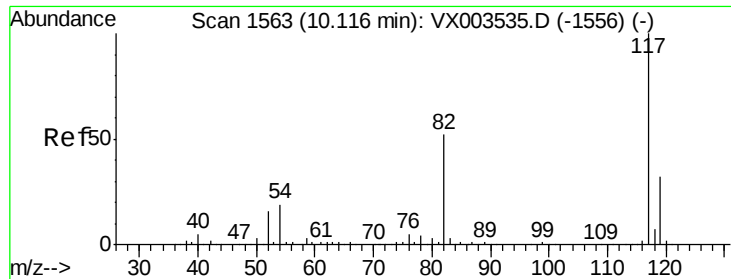
Tot Ion: 98 Resp: 612839
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.90 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003506.D
Acq: 20 Jul 2018 13:53

Tgt Ion: 95 Resp: 209495
Ion Ratio Lower Upper
95 100
174 98.0 0.0 187.4
176 95.0 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-11-1-0718

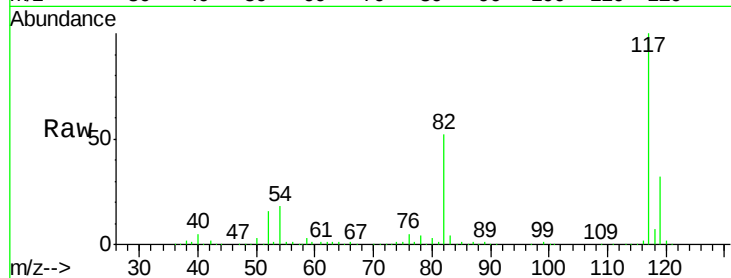
Tot Ion:117 Resp: 410832

Ion Ratio Lower Upper

117 100

82 51.6 45.0 67.4

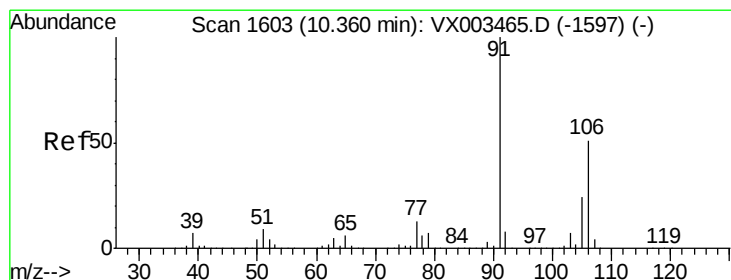
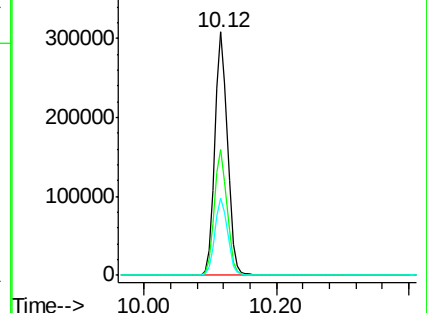
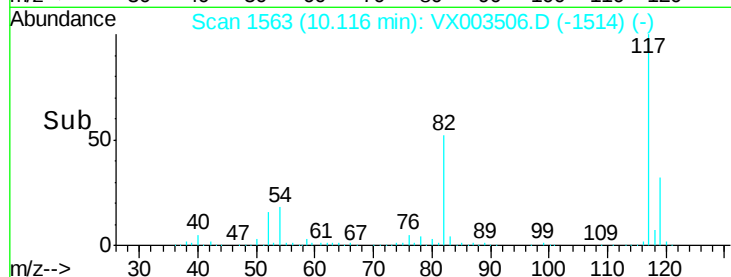
119 31.6 25.8 38.6



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



#68

m/p-Xylenes

Concen: 0.29 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003506.D

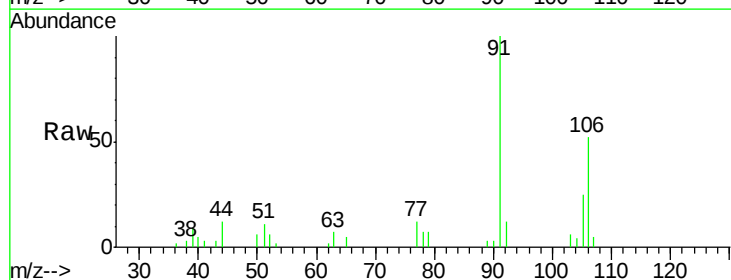
Acq: 20 Jul 2018 13:53

Tgt Ion:106 Resp: 1937

Ion Ratio Lower Upper

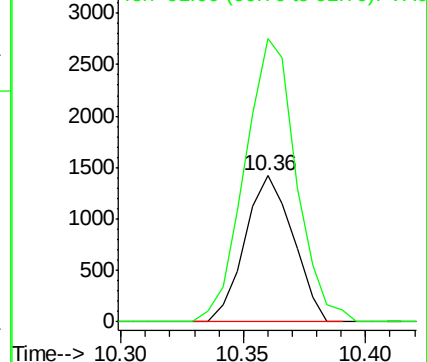
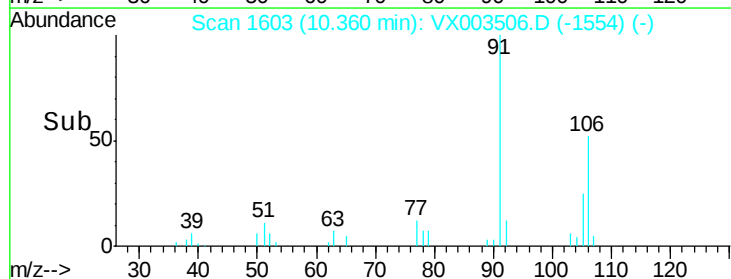
106 100

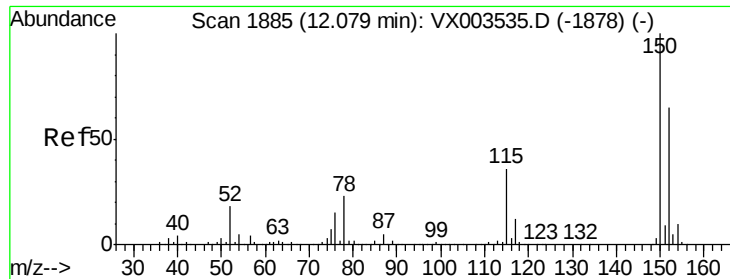
91 207.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-11-1-0718

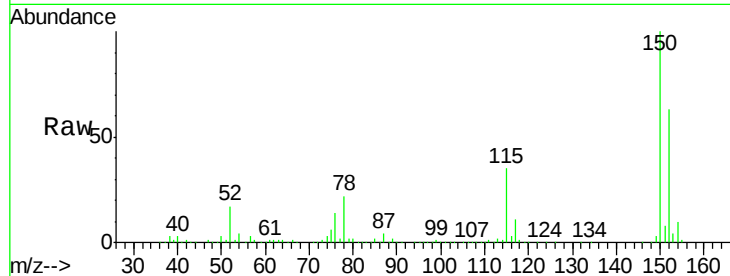
Tot Ion:152 Resp: 225885

Ion Ratio Lower Upper

152 100

115 53.3 40.1 120.2

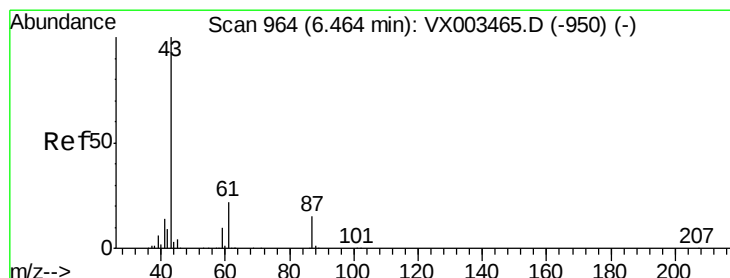
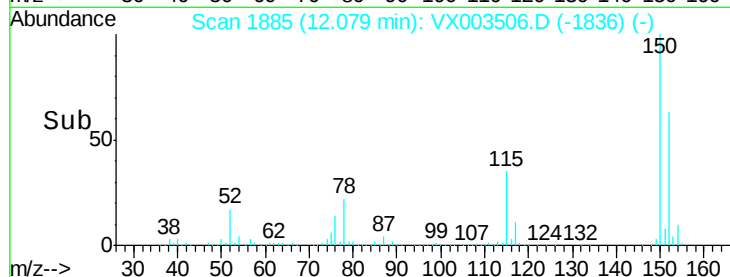
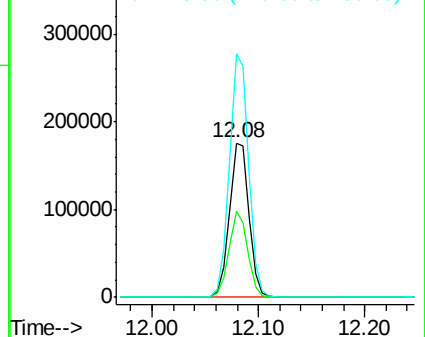
150 155.5 0.0 347.2



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: 18.30 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003506.D

Acq: 20 Jul 2018 13:53

Tgt Ion: 43 Resp: 121395

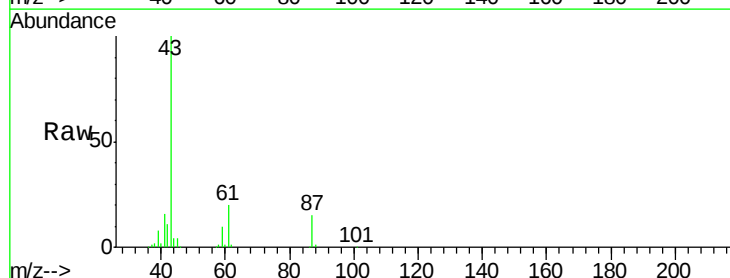
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.9 14.4 21.6

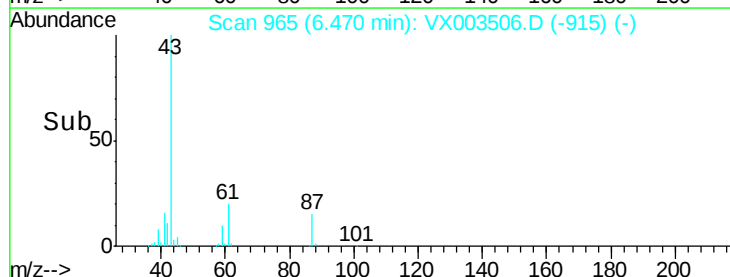
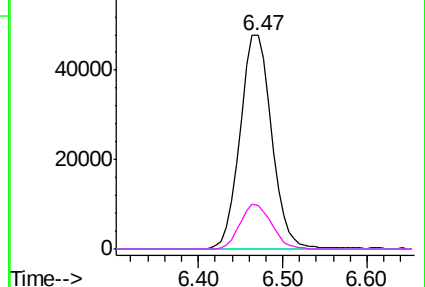


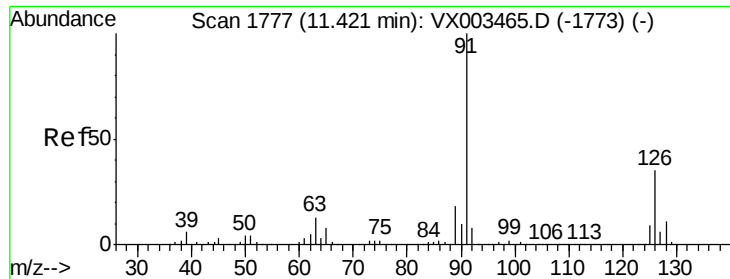
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

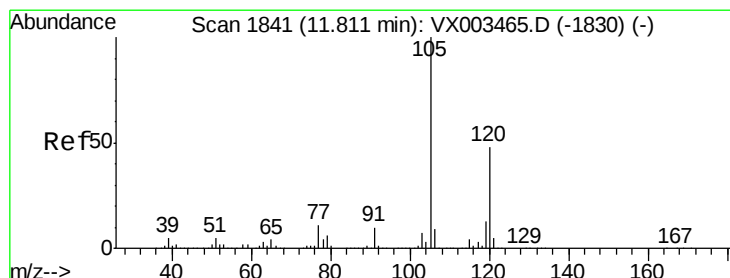
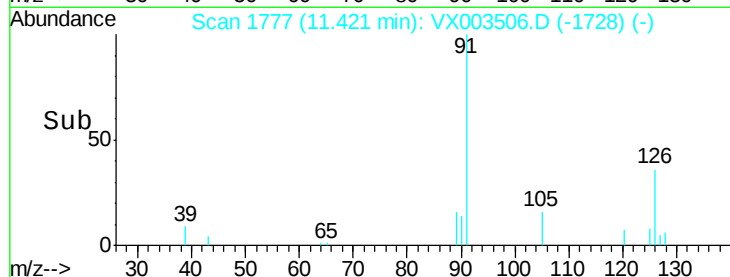
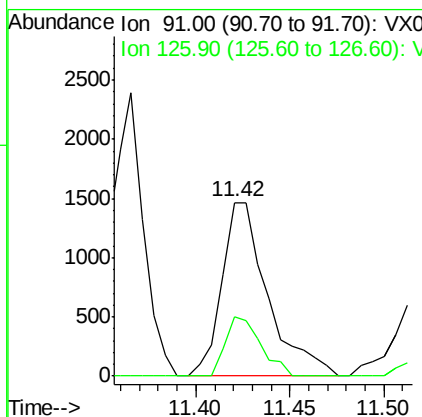
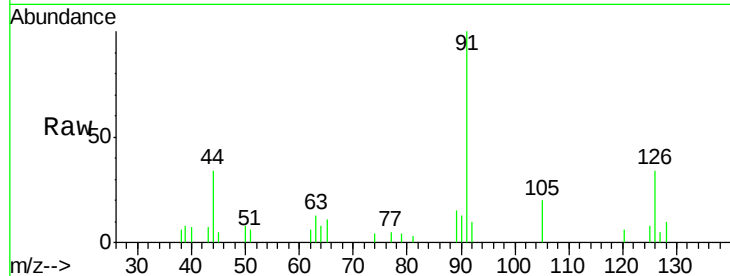




#79
 2-Chlorotoluene
 Concen: 0.24 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003506.D
 Acq: 20 Jul 2018 13:53

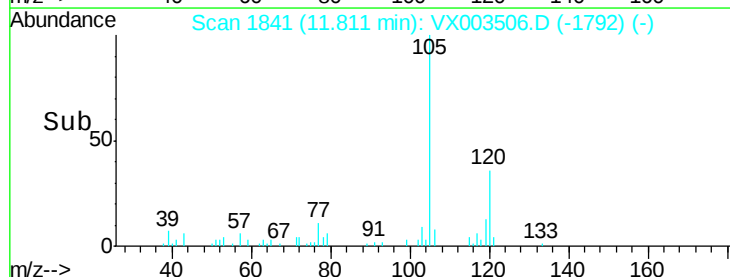
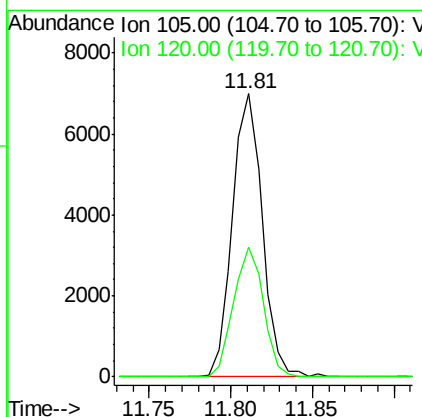
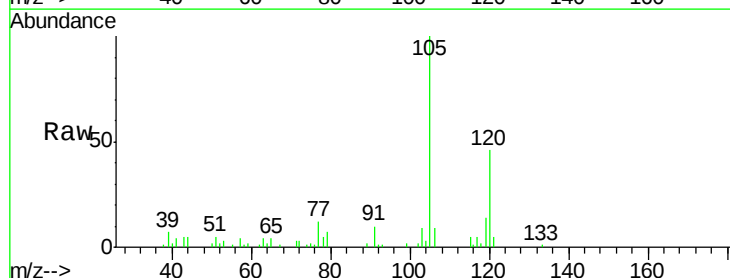
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-11-1-0718

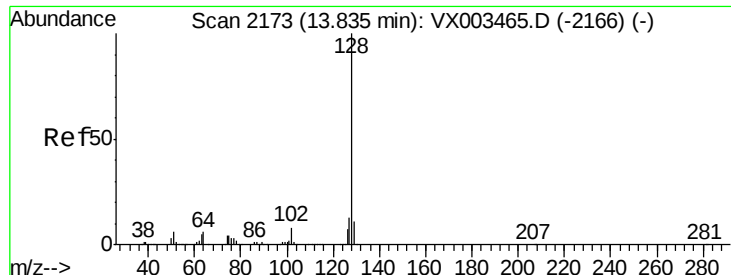
Tot Ion: 91 Resp: 2479
 Ion Ratio Lower Upper
 91 100
 126 26.2 17.7 53.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.68 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003506.D
 Acq: 20 Jul 2018 13:53

Tgt Ion: 105 Resp: 8918
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8

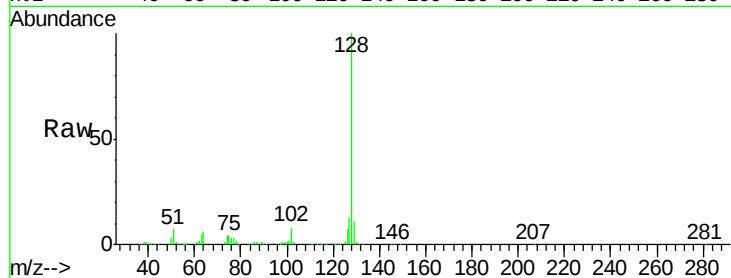




#95
Naphthalene
Concen: 13.85 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003506.D
Acq: 20 Jul 2018 13:53

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-11-1-0718

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0



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

