

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003505.D
 Acq On : 20 Jul 2018 13:27
 Operator : JC/SP
 Sample : J3620-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-51-0718

Quant Time: Jul 20 14:18:00 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	280985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	427238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227203	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	177275	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	5.51	113	159782	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.72	98	608409	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	210896	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

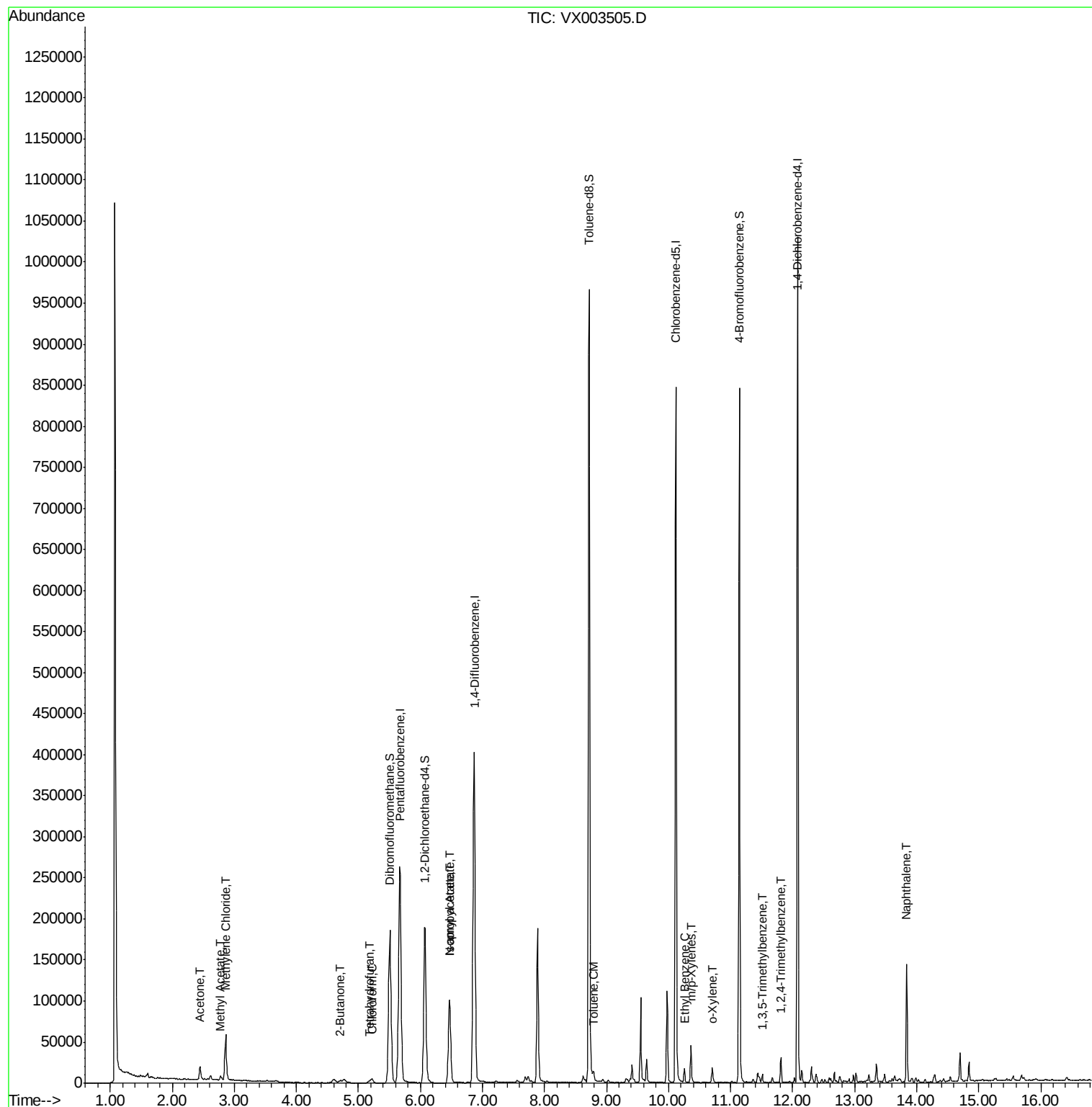
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	16569	13.19	ug/l	# 85
18) Methyl Acetate	2.78	43	5445	1.37	ug/l	96
20) Methylene Chloride	2.86	84	26801	8.00	ug/l	90
25) 2-Butanone	4.71	43	4646	2.20	ug/l	92
29) Tetrahydrofuran	5.17	42	1741	1.25	ug/l	95
30) Chloroform	5.22	83	5567	1.02	ug/l	90
43) Isopropyl Acetate	6.47	43	134986	19.44	ug/l	94
52) Toluene	8.79	92	2373	0.27	ug/l	99
67) Ethyl Benzene	10.26	91	9773	0.58	ug/l	96
68) m/p-Xylenes	10.36	106	10793	1.64	ug/l	100
69) o-Xylene	10.70	106	3124	0.49	ug/l	99
74) N-amyl acetate	6.47	43	134986	20.23	ug/l	# 93
80) 1,3,5-Trimethylbenzene	11.51	105	4640	0.36	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	13590	1.03	ug/l	98
95) Naphthalene	13.83	128	93253	5.91	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: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

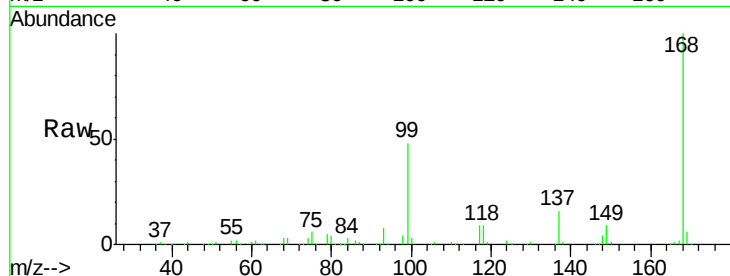
CB-TCLP-51-0718

Tot Ion:168 Resp: 280985

Ion Ratio Lower Upper

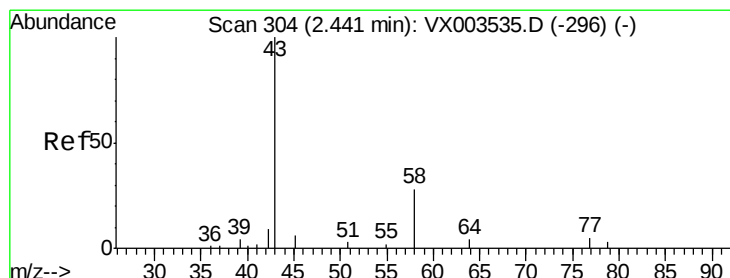
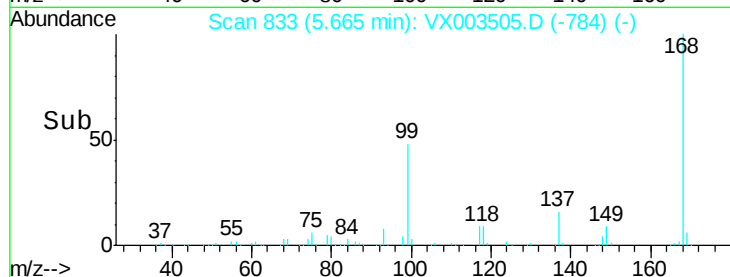
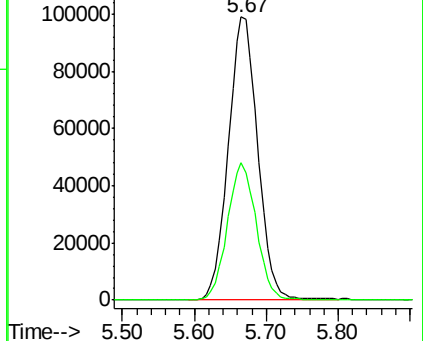
168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 13.19 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003505.D

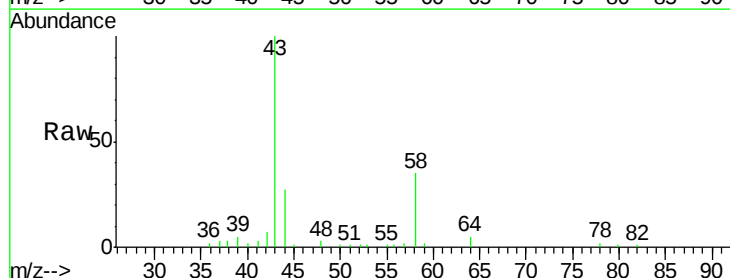
Acq: 20 Jul 2018 13:27

Tgt Ion: 43 Resp: 16569

Ion Ratio Lower Upper

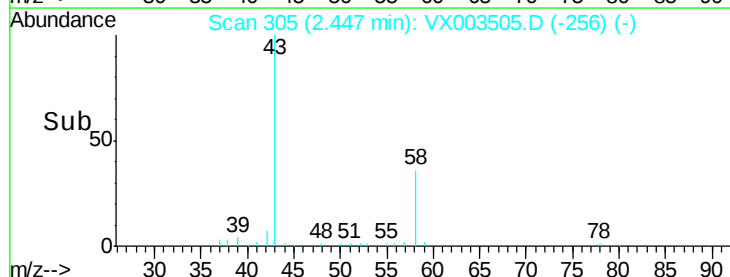
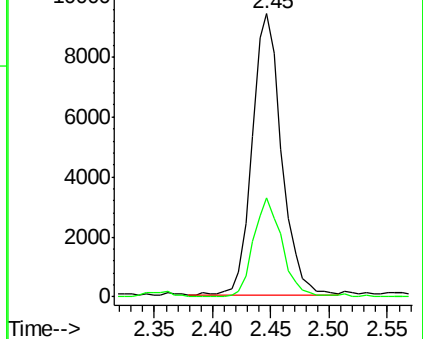
43 100

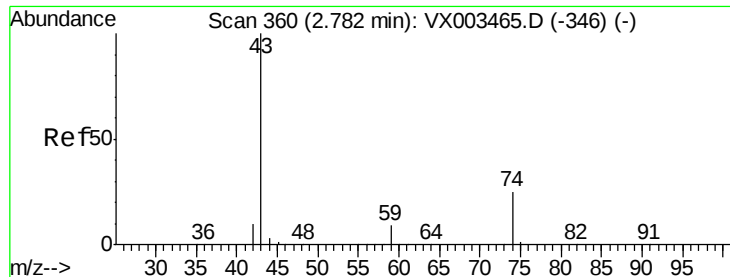
58 35.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

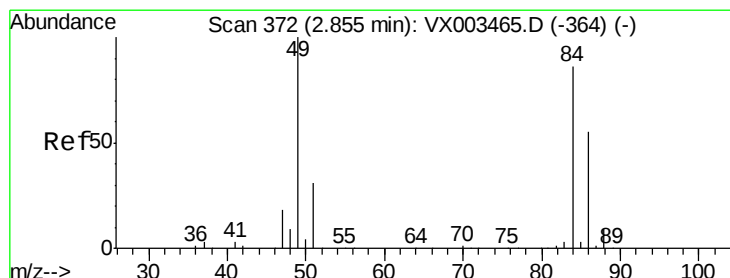
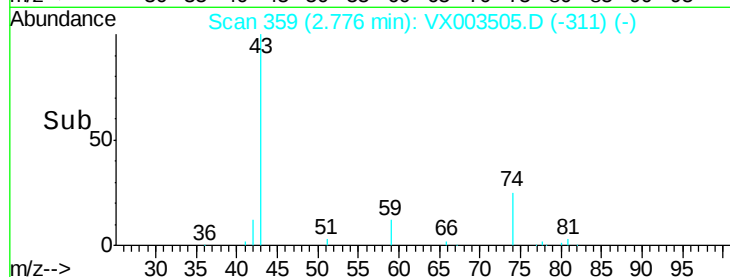
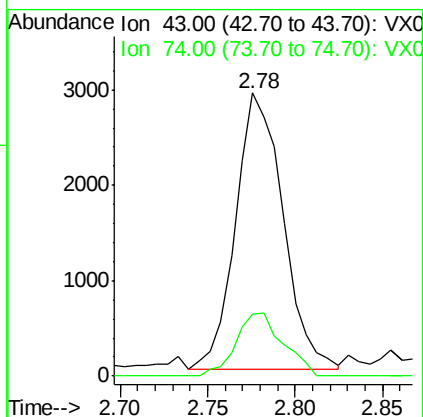
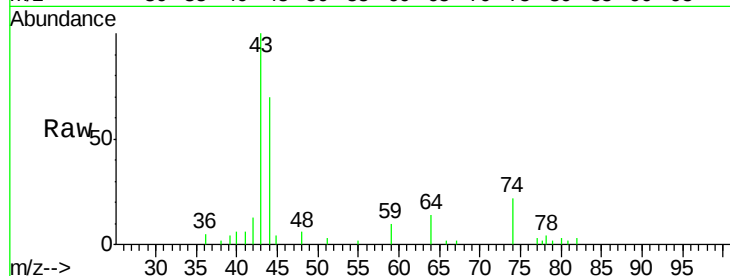




#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

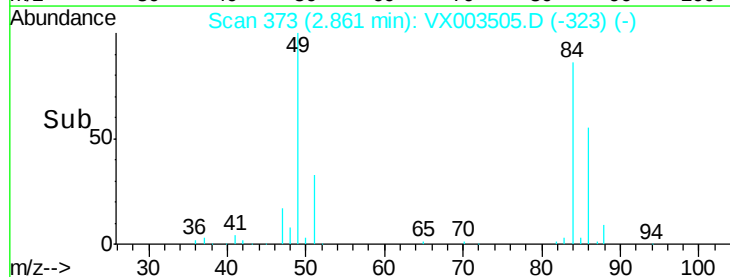
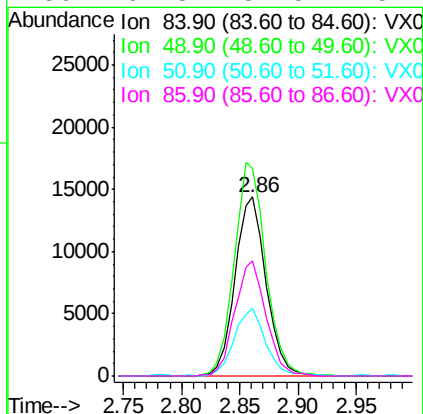
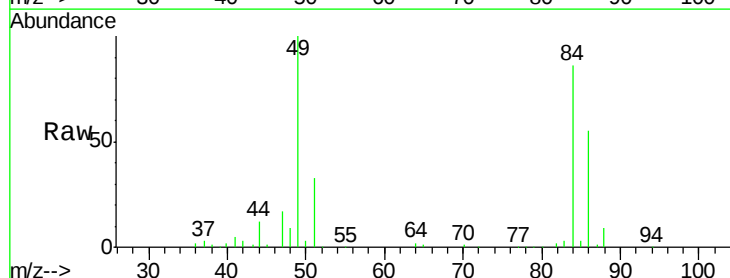
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-51-0718

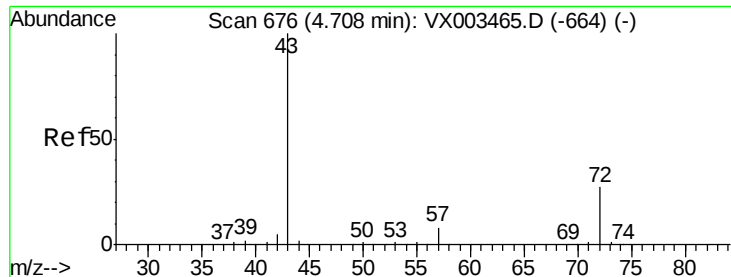
Tot Ion: 43 Resp: 5445
Ion Ratio Lower Upper
43 100
74 22.8 16.7 25.1



#20
Methylene Chloride
Concen: 8.00 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

Tgt Ion: 84 Resp: 26801
Ion Ratio Lower Upper
84 100
49 116.0 107.8 161.6
51 37.7 32.8 49.2
86 64.3 52.5 78.7





#25

2-Butanone

Concen: 2.20 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

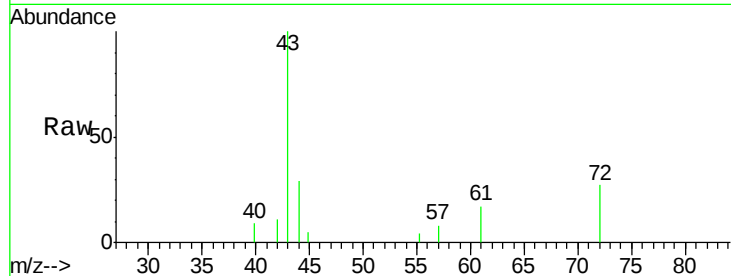
CB-TCLP-51-0718

Tot Ion: 43 Resp: 4646

Ion Ratio Lower Upper

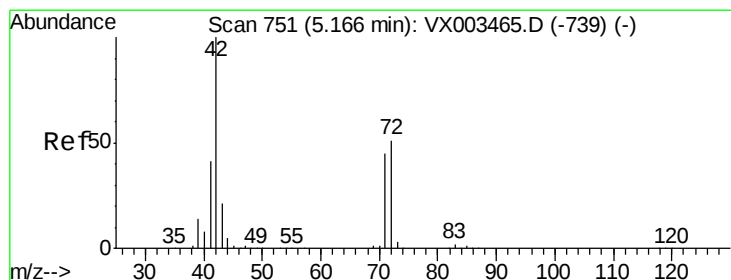
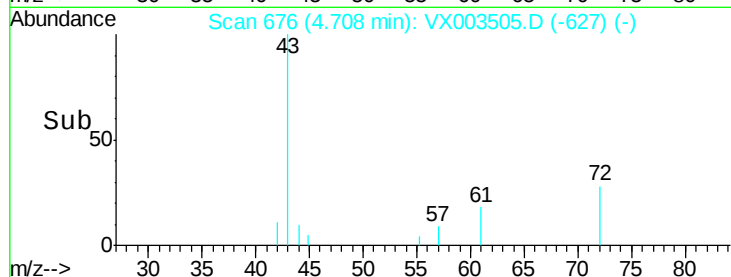
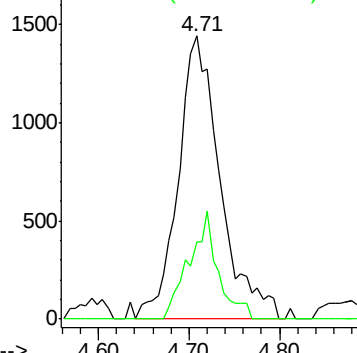
43 100

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: 1.25 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

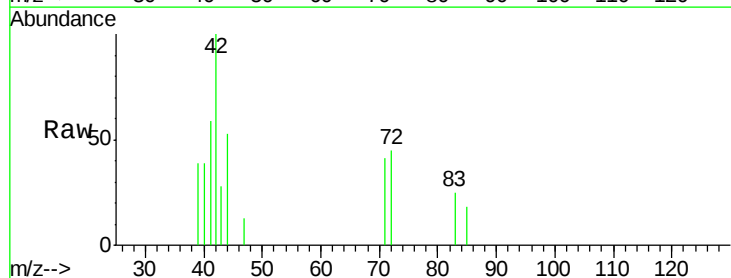
Tgt Ion: 42 Resp: 1741

Ion Ratio Lower Upper

42 100

72 45.8 32.0 48.0

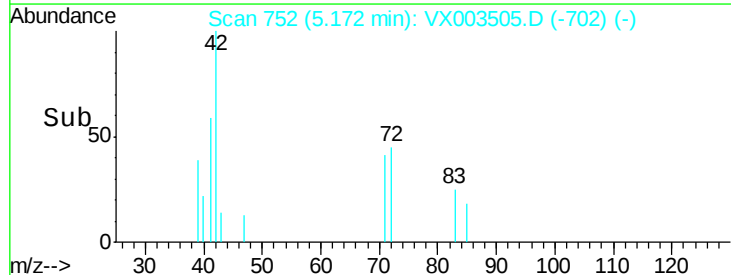
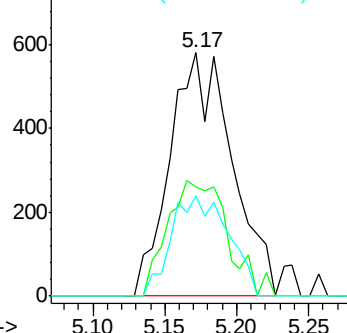
71 37.9 30.1 45.1

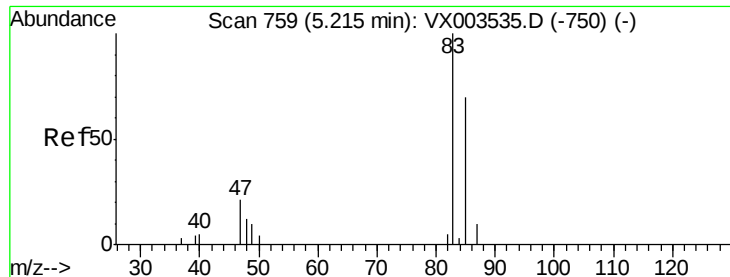


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

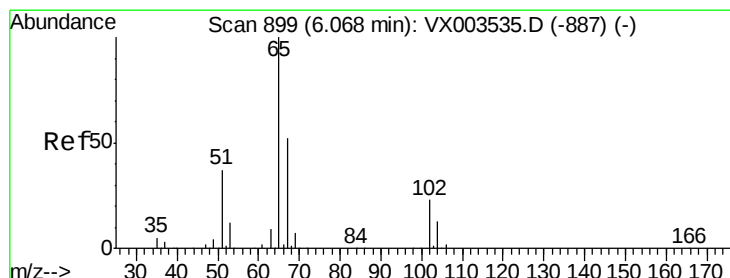
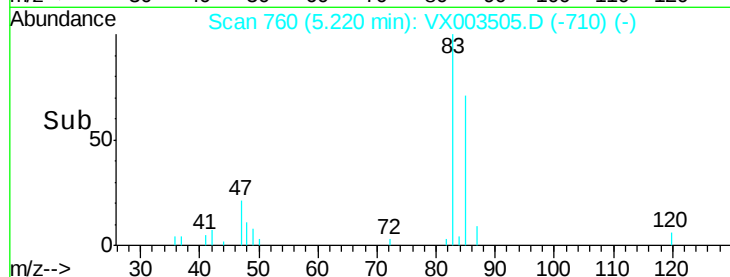
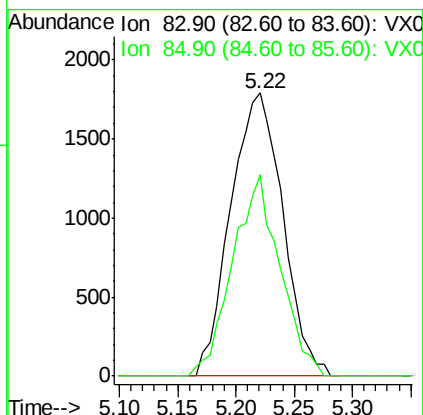
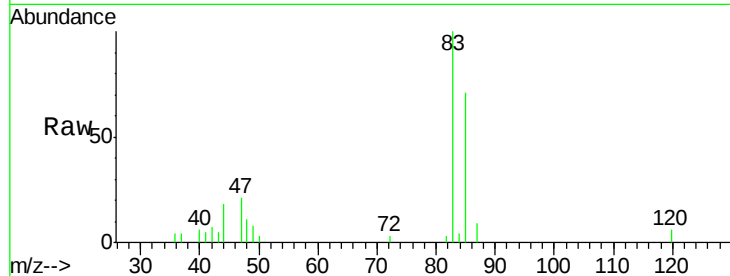




#30
Chloroform
Concen: 1.02 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

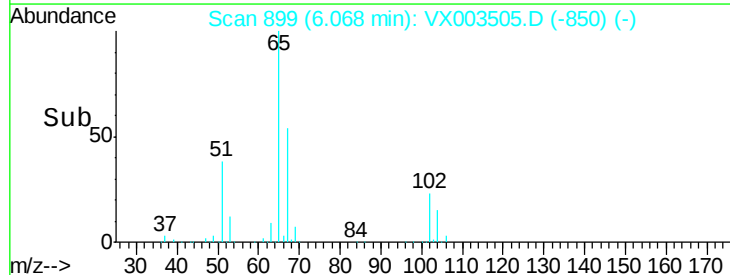
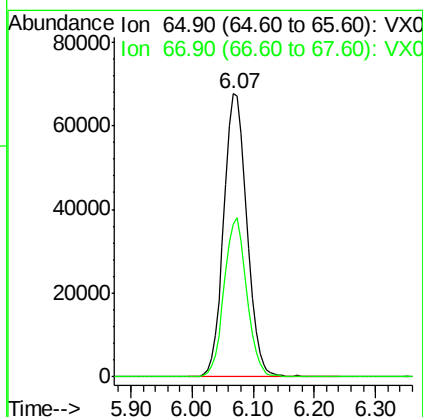
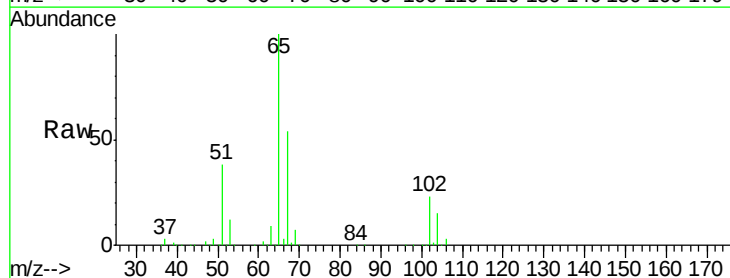
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-51-0718

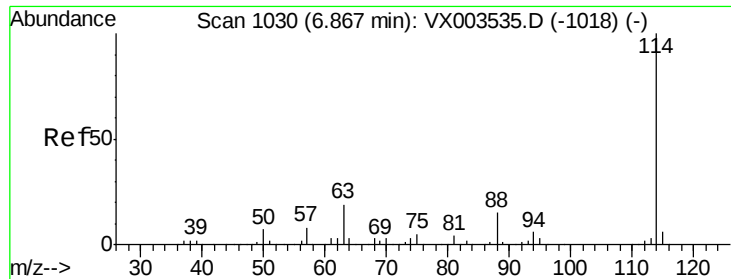
Tot Ion: 83 Resp: 5567
Ion Ratio Lower Upper
83 100
85 71.1 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 53.30 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

Tgt Ion: 65 Resp: 177275
Ion Ratio Lower Upper
65 100
67 54.5 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: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-51-0718

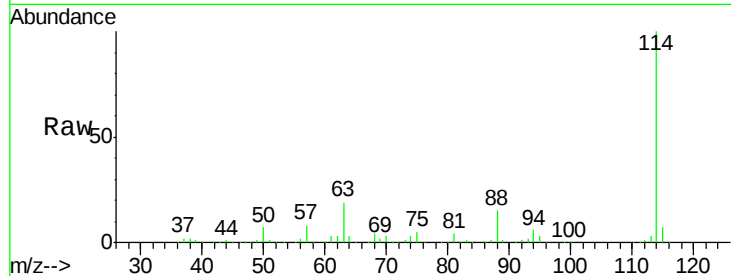
Tot Ion:114 Resp: 427238

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

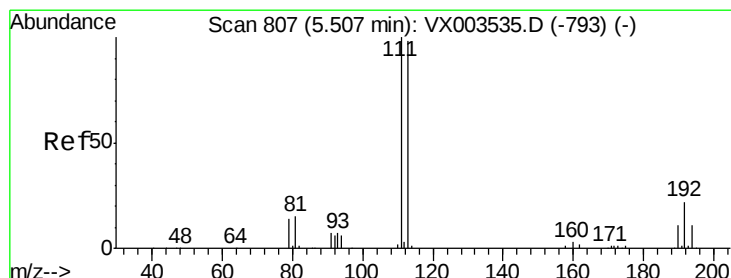
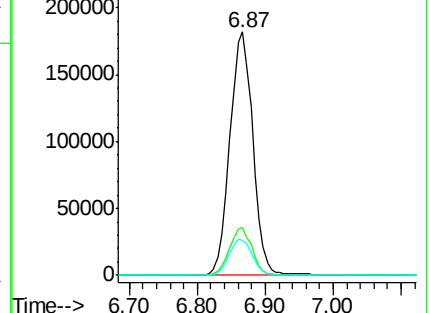
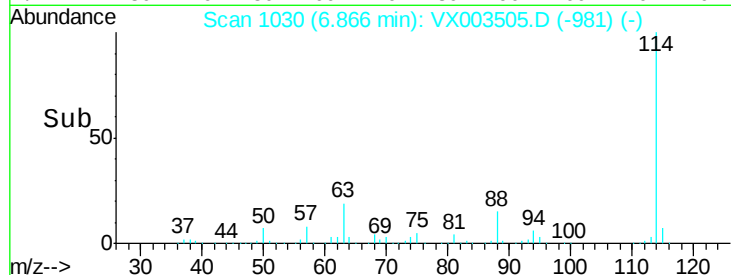
88 14.6 0.0 30.0



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: 49.10 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

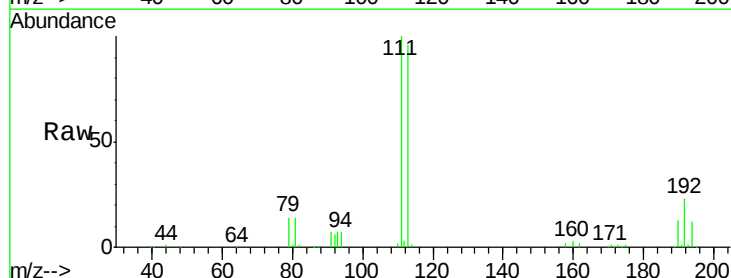
Tgt Ion:113 Resp: 159782

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

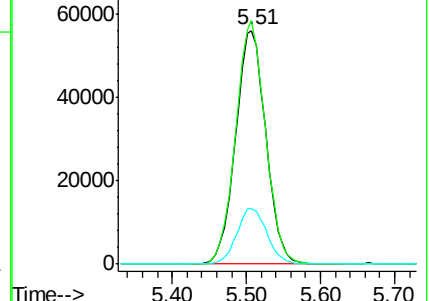
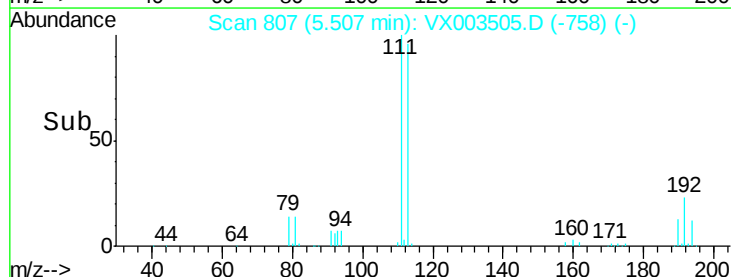
192 23.9 19.1 28.7

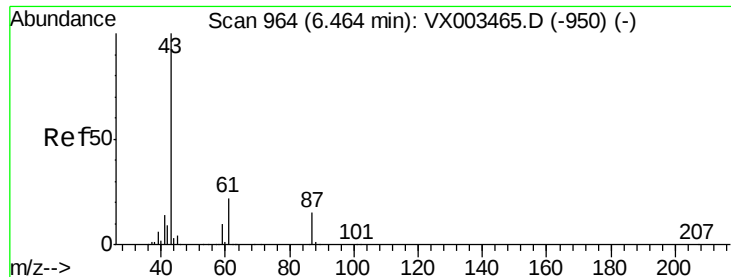


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



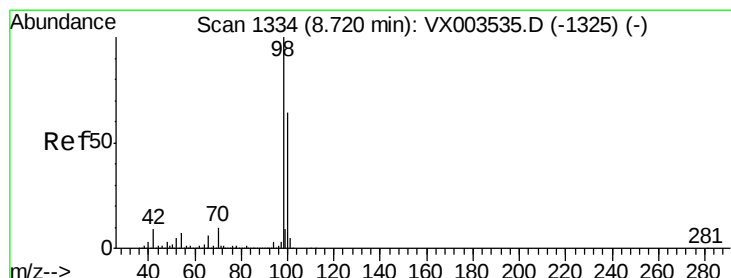
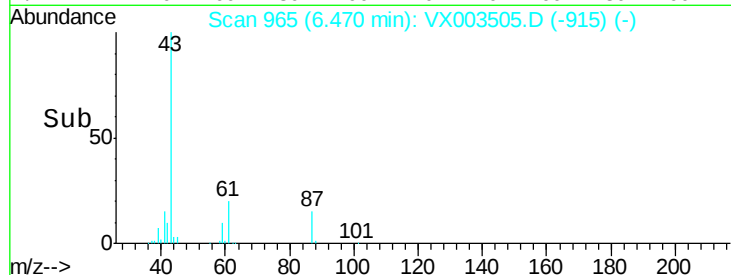
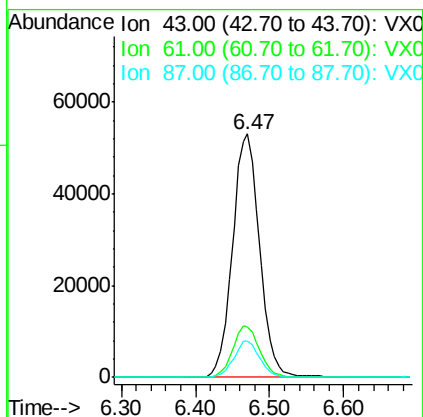
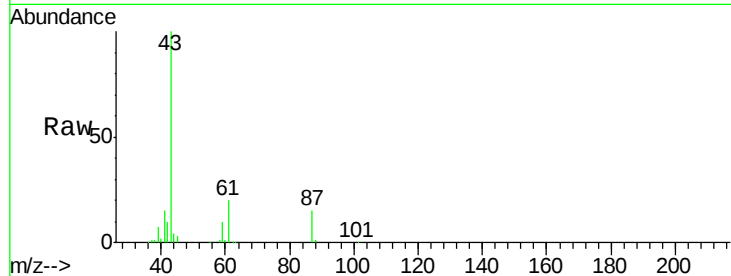


#43

Isopropyl Acetate
 Concen: 19.44 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003505.D
 Acq: 20 Jul 2018 13:27

Instrument :
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 ClientSampleId :
 CB-TCLP-51-0718

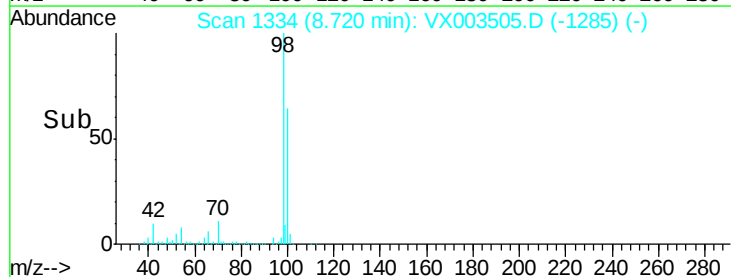
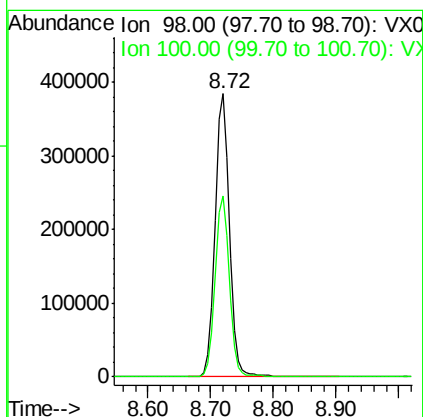
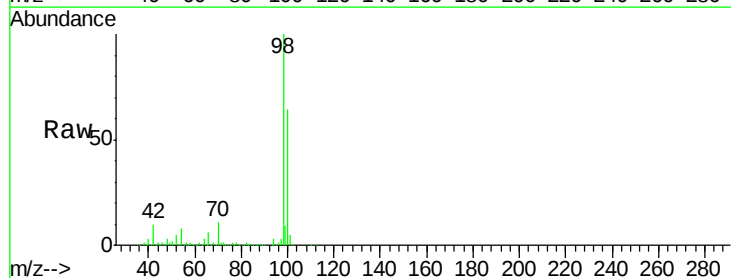
Tot Ion	43	Resp	134986
Ion Ratio	Lower	Upper	
43	100		
61	20.9	14.4	21.6
87	14.2	9.5	14.3

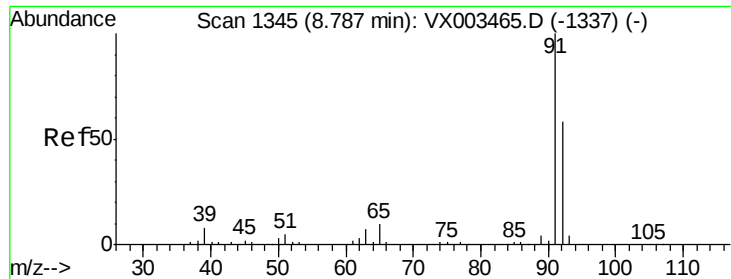


#50

Toluene-d8
 Concen: 49.74 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003505.D
 Acq: 20 Jul 2018 13:27

Tgt Ion	98	Resp	608409
Ion Ratio	Lower	Upper	
98	100		
100	63.9	50.9	76.3





#52

Toluene

Concen: 0.27 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

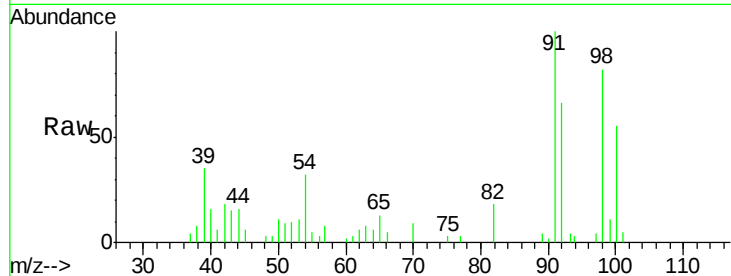
CB-TCLP-51-0718

Tot Ion: 92 Resp: 2373

Ion Ratio Lower Upper

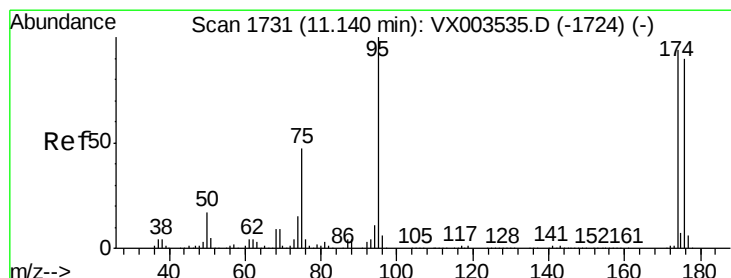
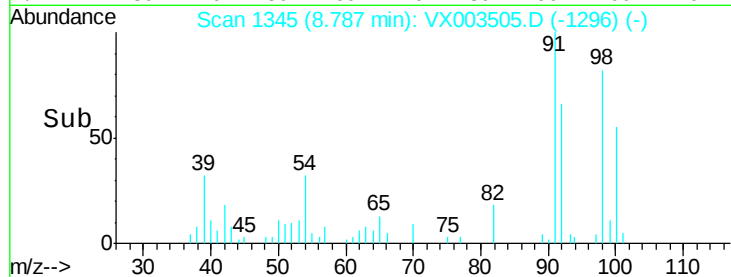
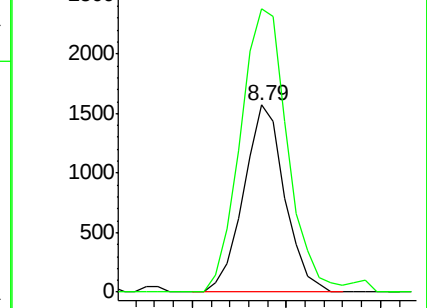
92 100

91 176.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

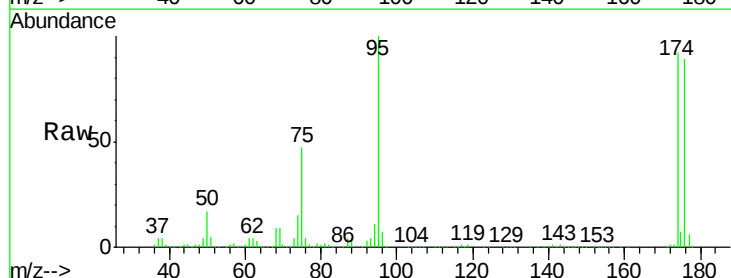
Tgt Ion: 95 Resp: 210896

Ion Ratio Lower Upper

95 100

174 95.0 0.0 187.4

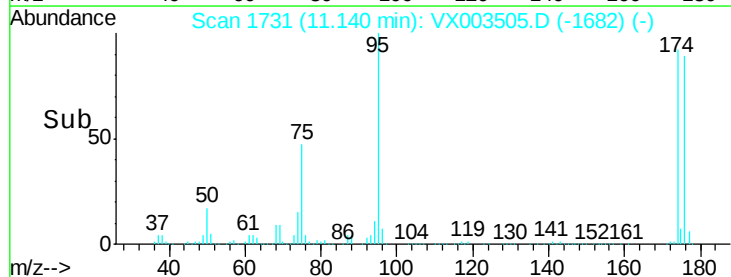
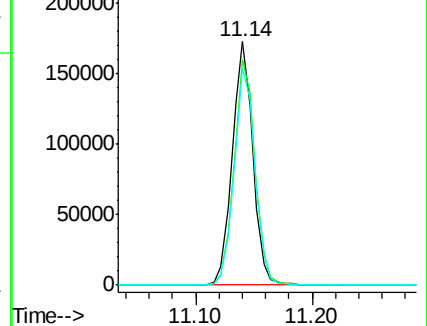
176 91.0 0.0 181.0

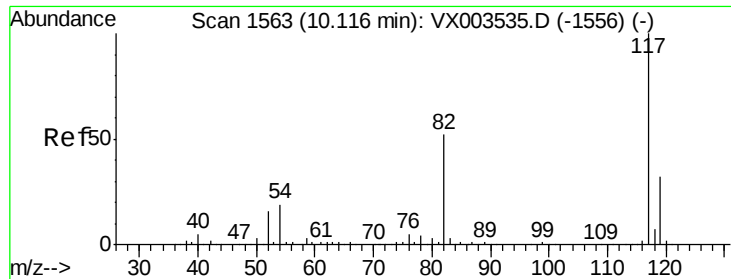


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

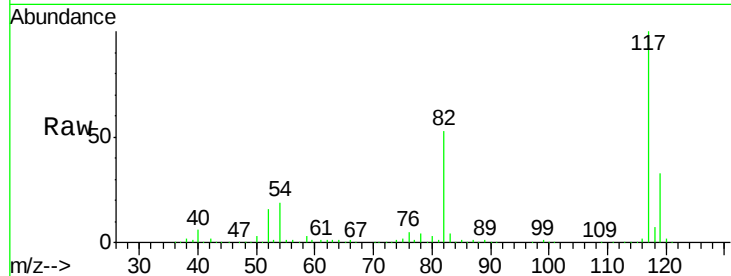




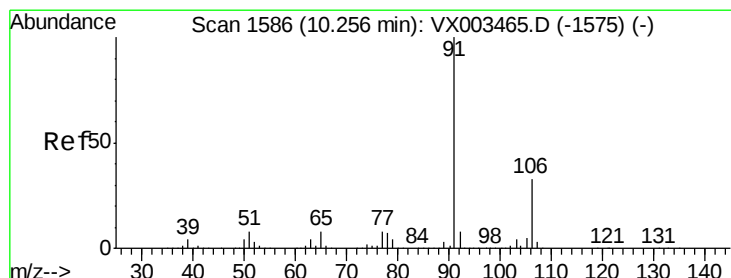
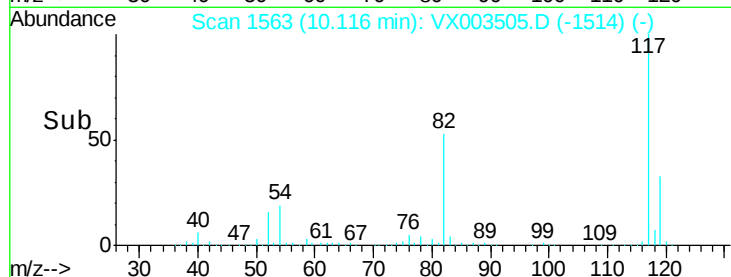
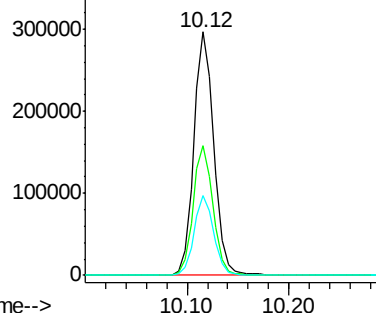
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-51-0718

Tot Ion:117 Resp: 404088
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.7 25.8 38.6

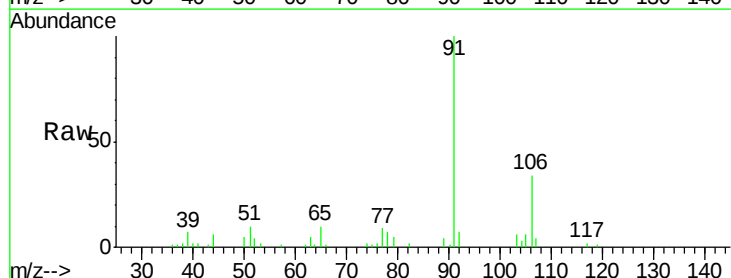


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

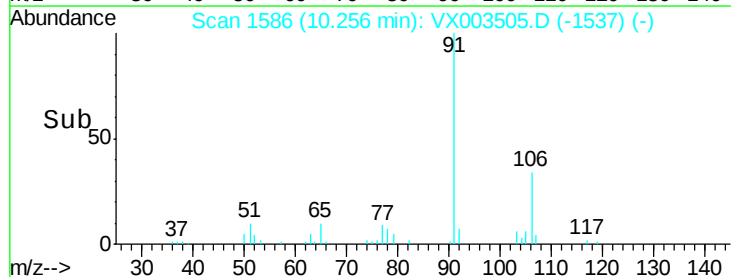
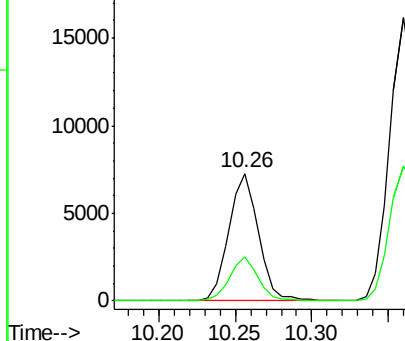


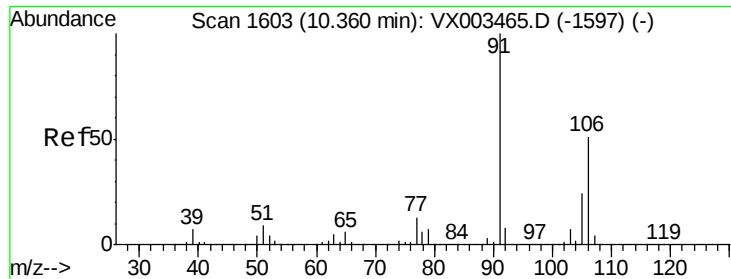
#67
Ethyl Benzene
Concen: 0.58 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

Tgt Ion: 91 Resp: 9773
Ion Ratio Lower Upper
91 100
106 34.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

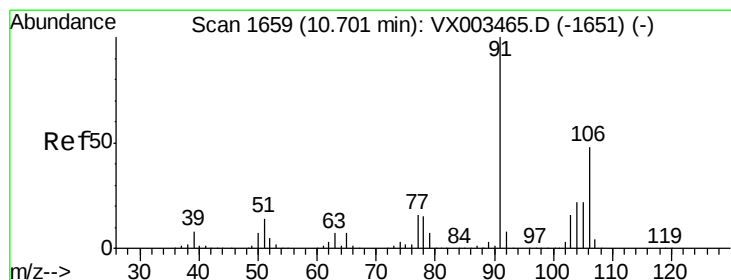
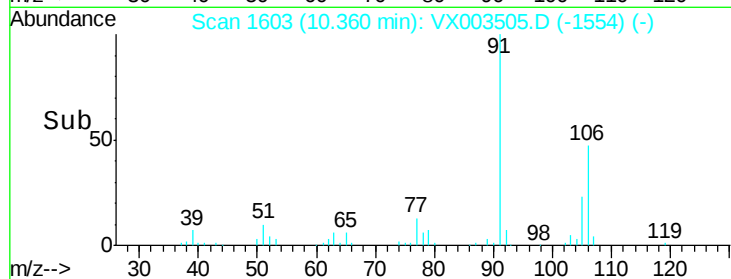
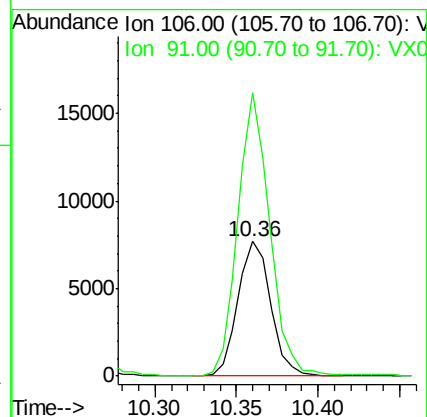
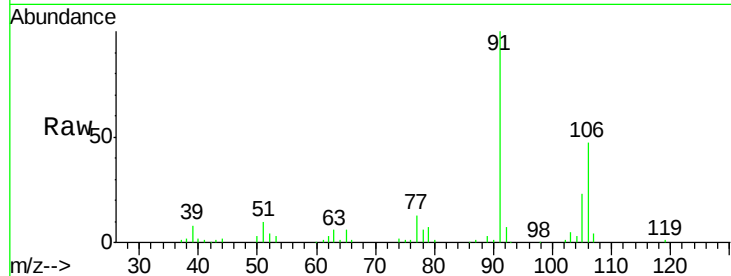




#68
m/p-Xvlenes
Concen: 1.64 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

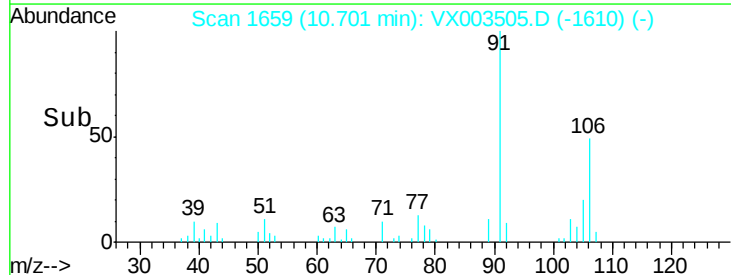
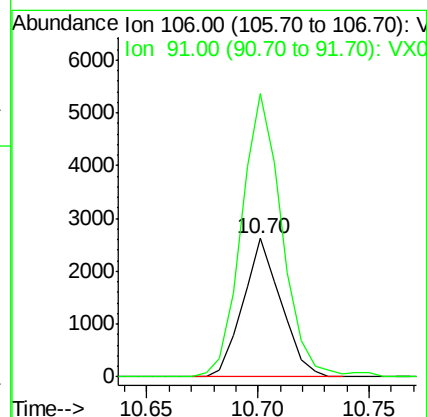
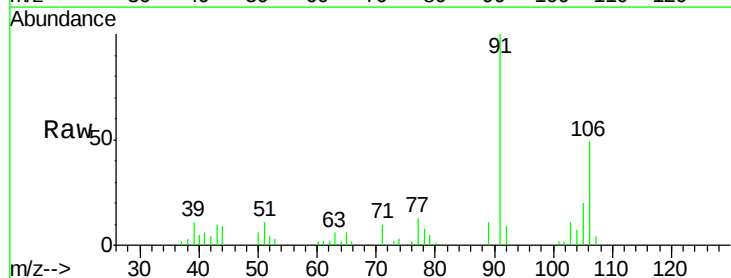
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-51-0718

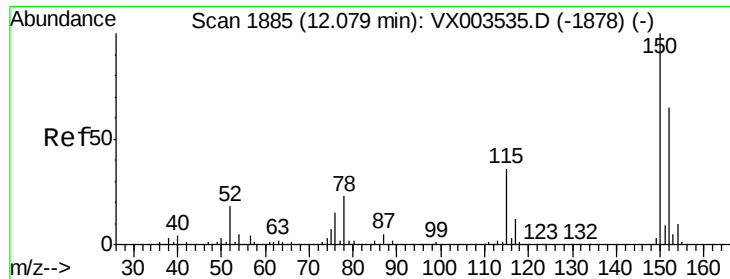
Tot Ion:106 Resp: 10793
Ion Ratio Lower Upper
106 100
91 204.4 163.4 245.2



#69
o-Xylene
Concen: 0.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003505.D
Acq: 20 Jul 2018 13:27

Tgt Ion:106 Resp: 3124
Ion Ratio Lower Upper
106 100
91 218.2 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-51-0718

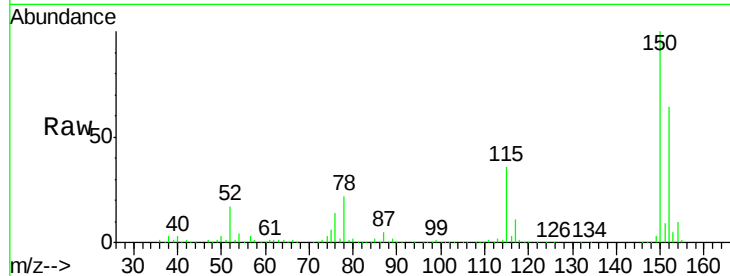
Tot Ion:152 Resp: 227203

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

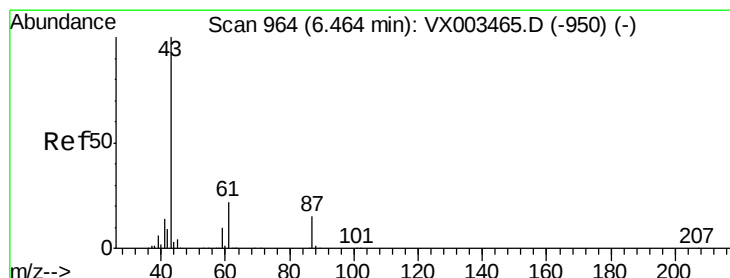
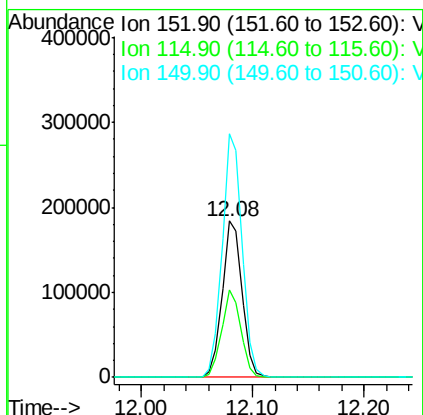
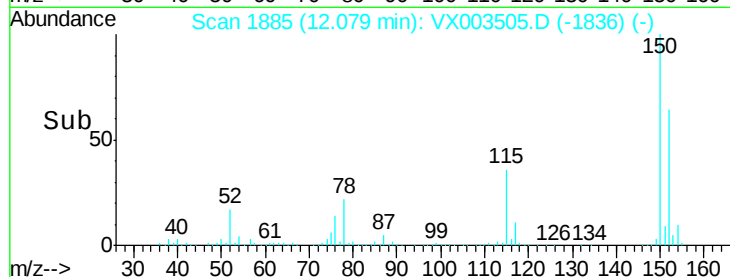
150 156.0 0.0 347.2



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: 20.23 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

Tgt Ion: 43 Resp: 134986

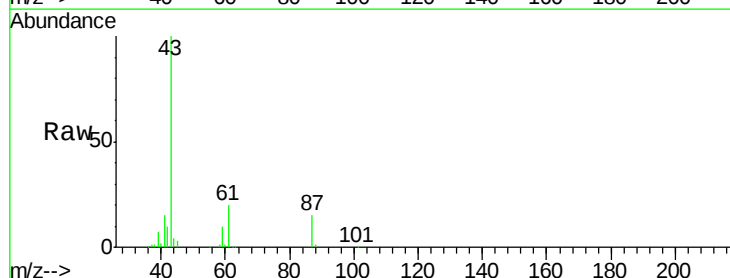
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.9 14.4 21.6

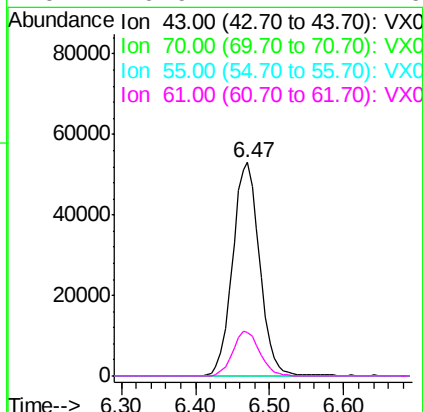
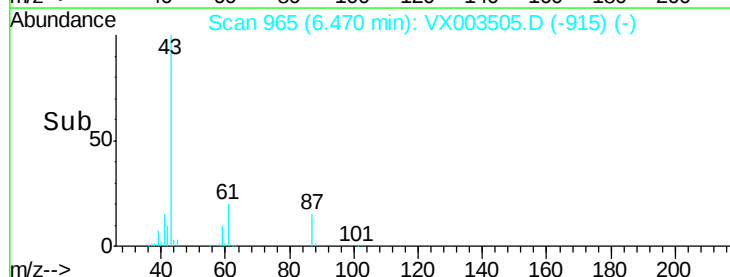


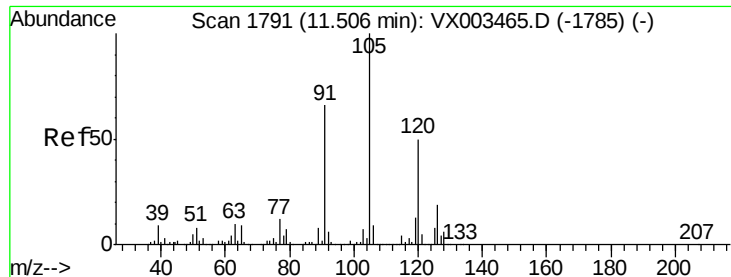
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#80

1,3,5-Trimethylbenzene

Concen: 0.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003505.D

Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

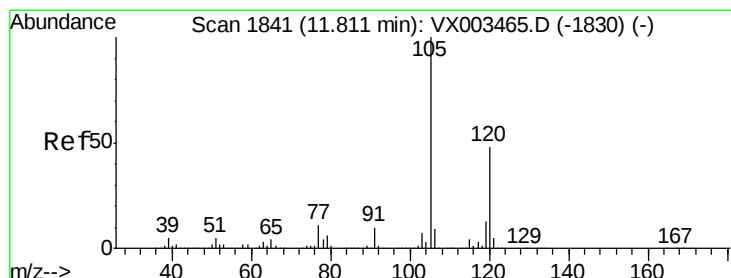
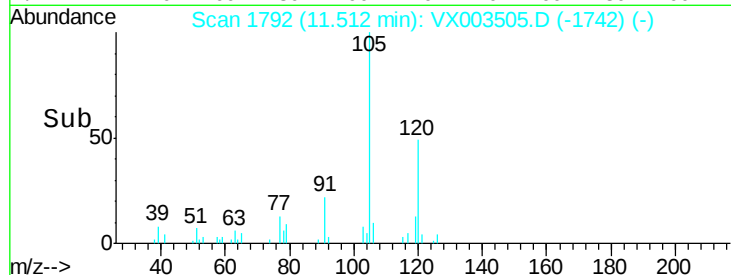
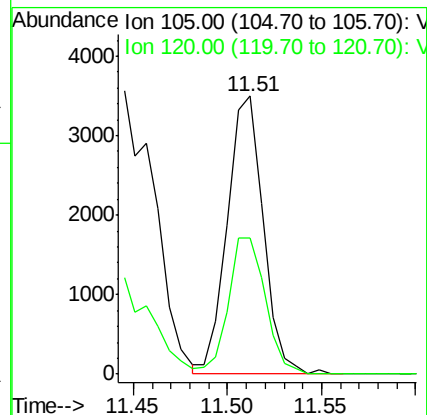
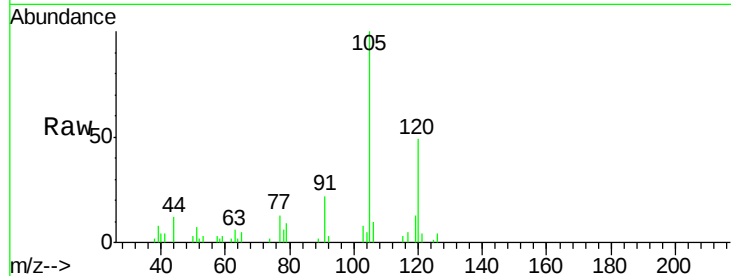
CB-TCLP-51-0718

Tot Ion:105 Resp: 4640

Ion Ratio Lower Upper

105 100

120 50.6 24.4 73.4



#84

1,2,4-Trimethylbenzene

Concen: 1.03 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003505.D

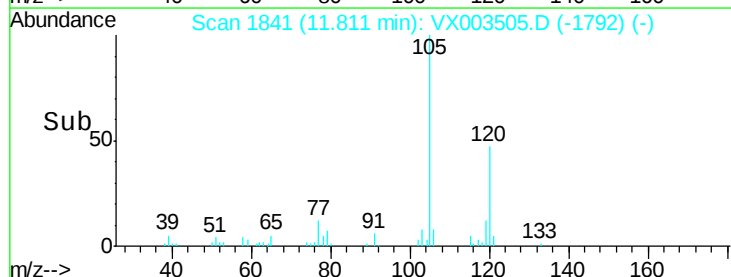
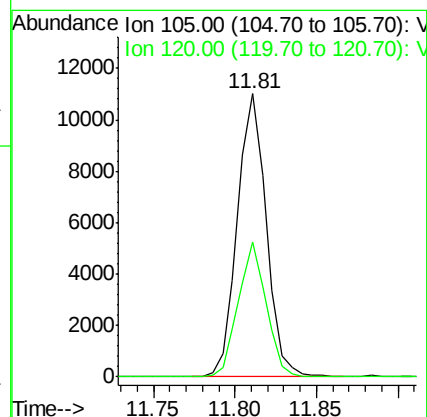
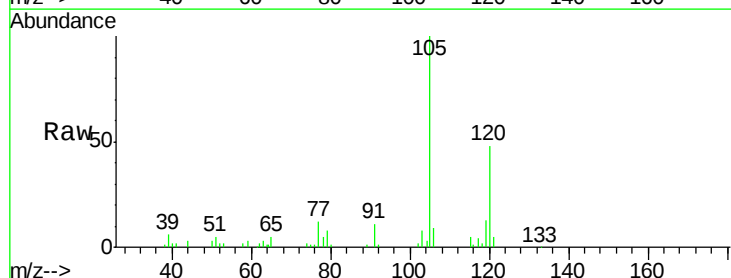
Acq: 20 Jul 2018 13:27

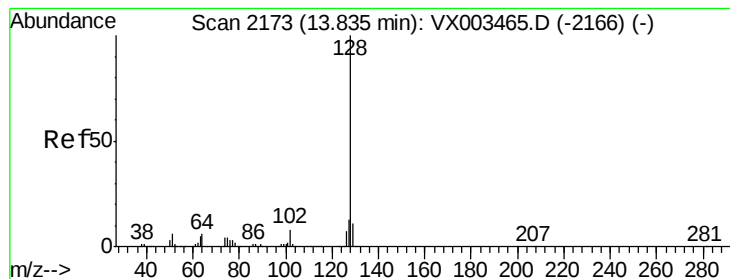
Tgt Ion:105 Resp: 13590

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.8





#95

Naphthalene

Concen: 5.91 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003505.D

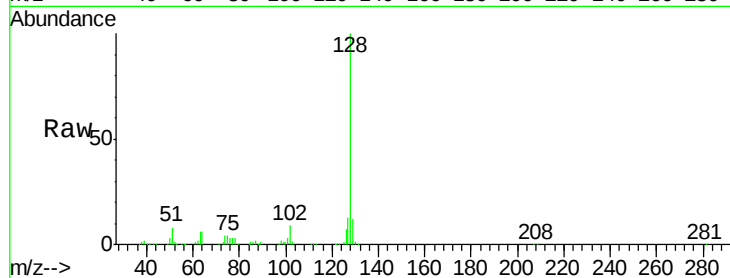
Acq: 20 Jul 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-51-0718



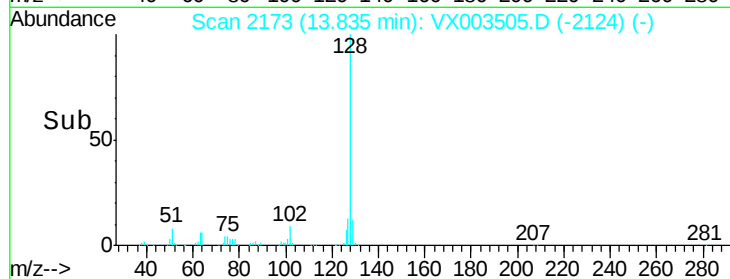
Tot Ion:128 Resp: 93253

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

