

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003504.D
 Acq On : 20 Jul 2018 13:00
 Operator : JC/SP
 Sample : J3620-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-12-0718

Quant Time: Jul 20 13:41:53 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	278327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	427592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224505	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	184076	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	5.51	113	158874	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.72	98	613813	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	213296	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

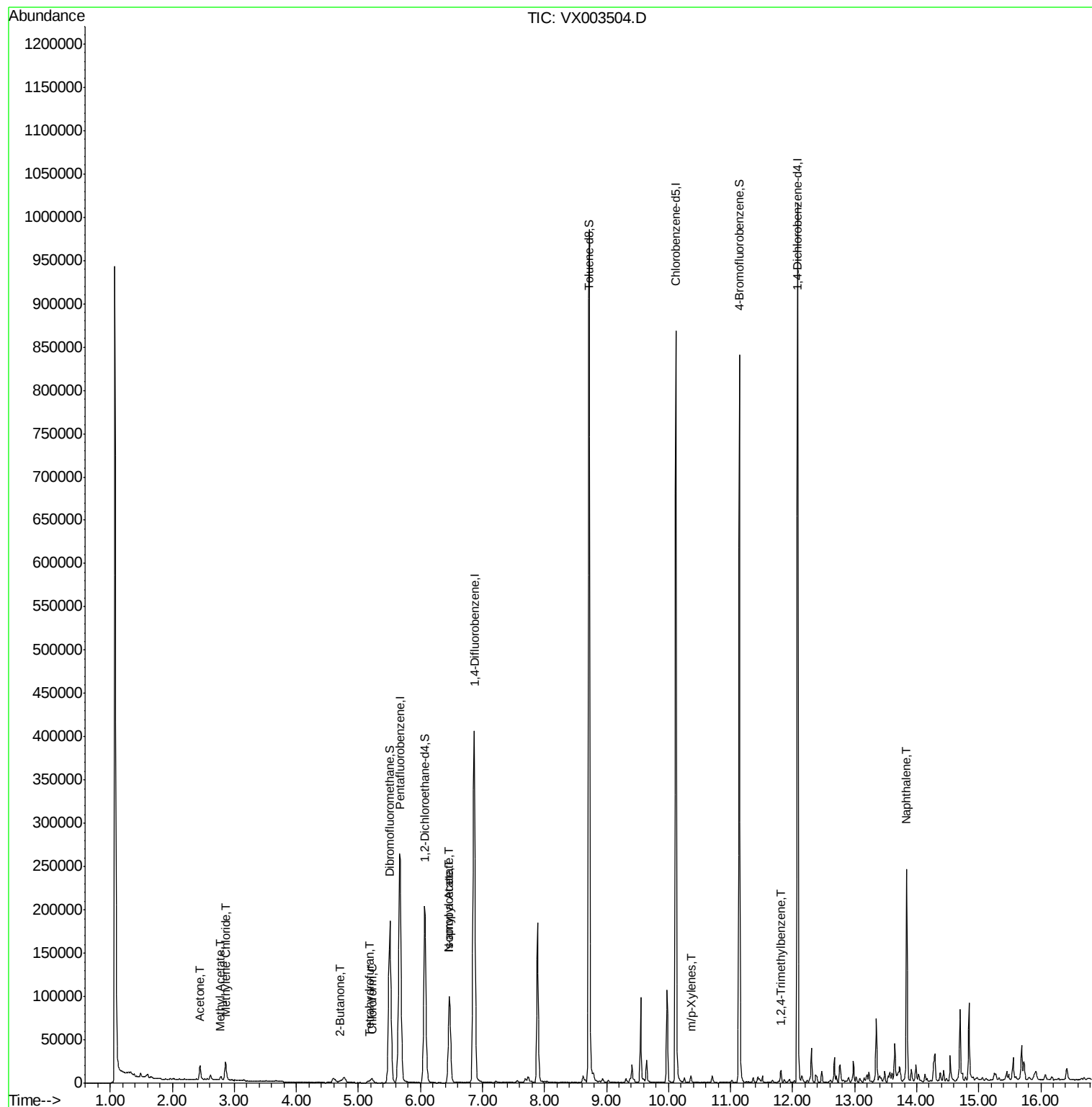
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	16038	12.89	ug/l #	80
18) Methyl Acetate	2.78	43	5767	1.47	ug/l	99
20) Methylene Chloride	2.86	84	10421	2.60	ug/l	87
25) 2-Butanone	4.71	43	4868	2.33	ug/l	96
29) Tetrahydrofuran	5.17	42	1877	1.36	ug/l #	87
30) Chloroform	5.22	83	5289	0.97	ug/l	87
43) Isopropyl Acetate	6.46	43	131722	18.96	ug/l	93
68) m/p-Xylenes	10.36	106	1974	0.29	ug/l	94
74) N-amyl acetate	6.46	43	131722	19.98	ug/l #	93
84) 1,2,4-Trimethylbenzene	11.81	105	6473	0.50	ug/l	98
95) Naphthalene	13.83	128	158673	10.18	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: VX003504.D

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Instrument :

MSVOA_X

ClientSampleId :

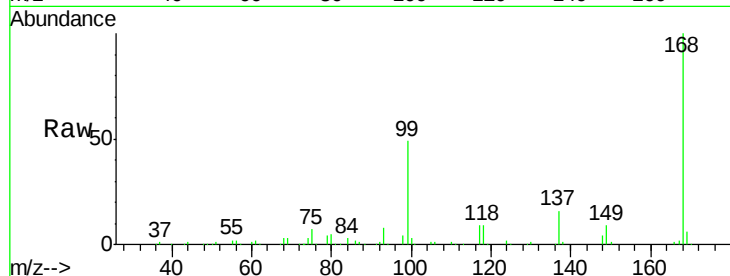
CB-TCLP-12-0718

Tot Ion:168 Resp: 278327

Ion Ratio Lower Upper

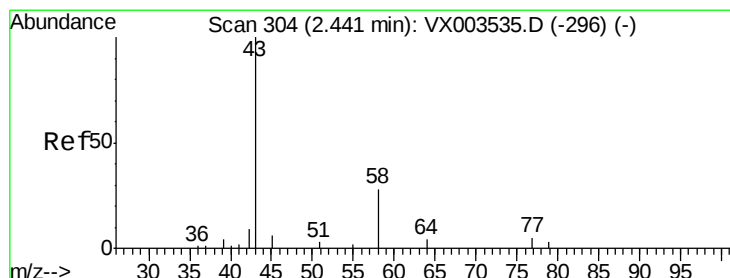
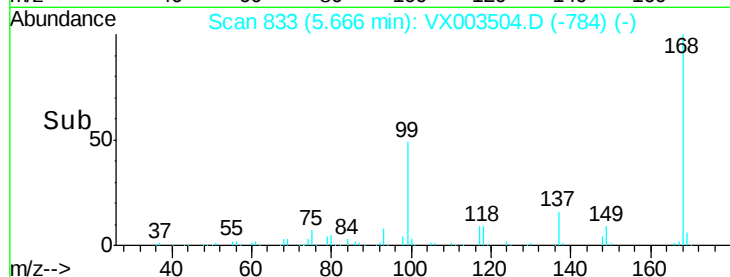
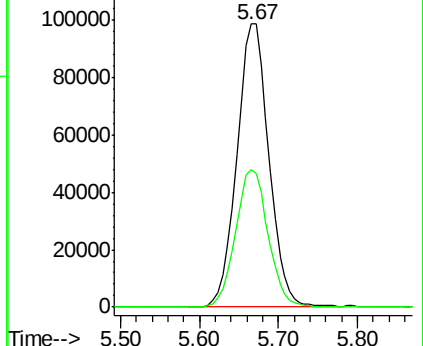
168 100

99 48.5 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: 12.89 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003504.D

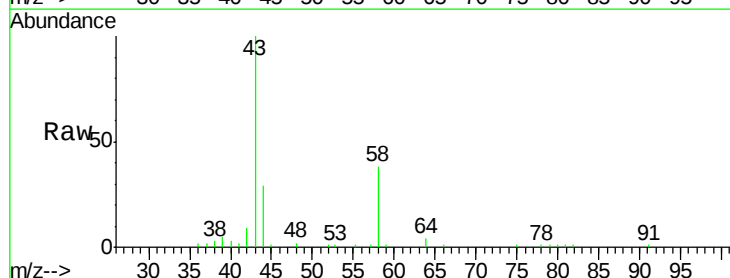
Acq: 20 Jul 2018 13:00

Tgt Ion: 43 Resp: 16038

Ion Ratio Lower Upper

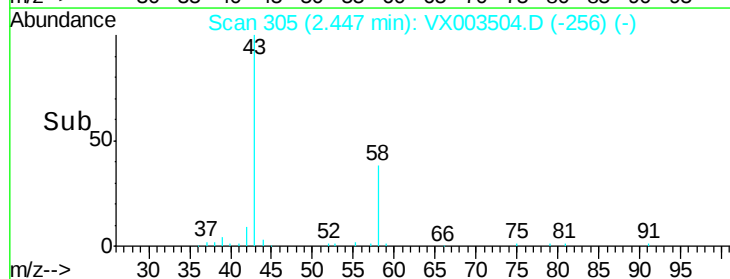
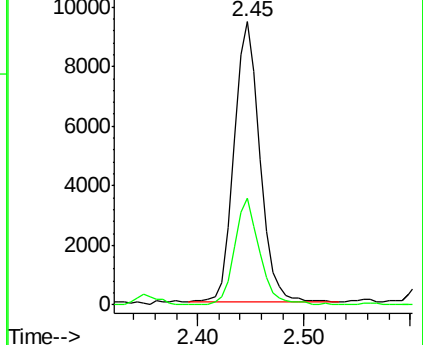
43 100

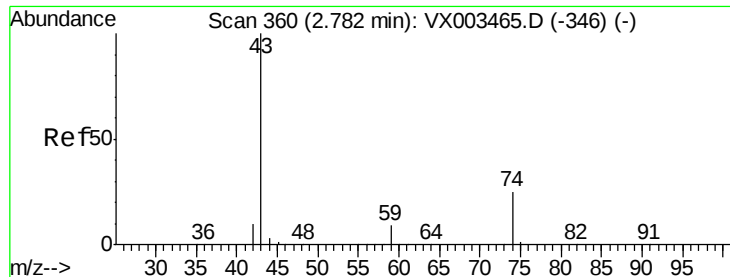
58 38.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

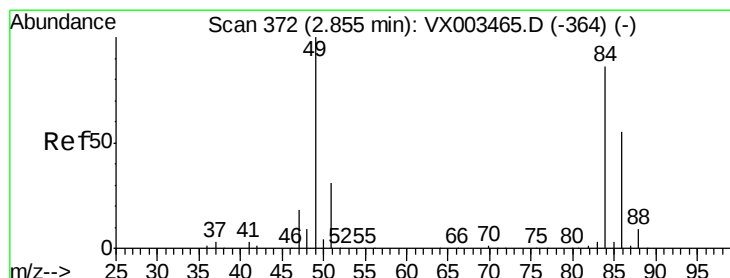
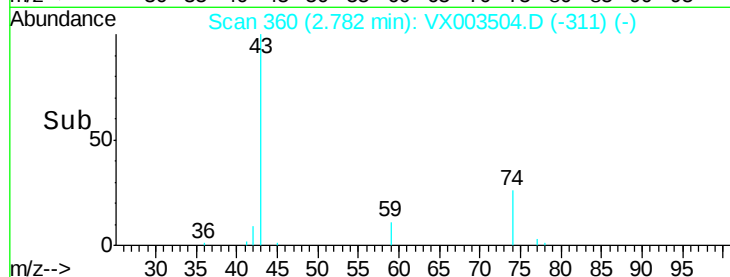
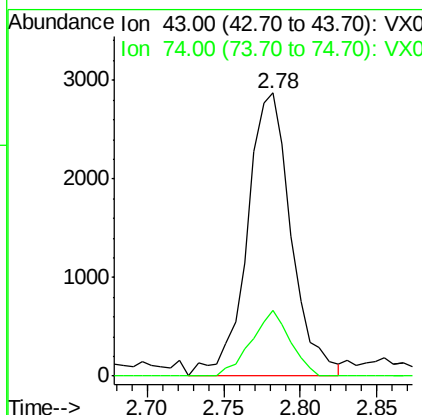
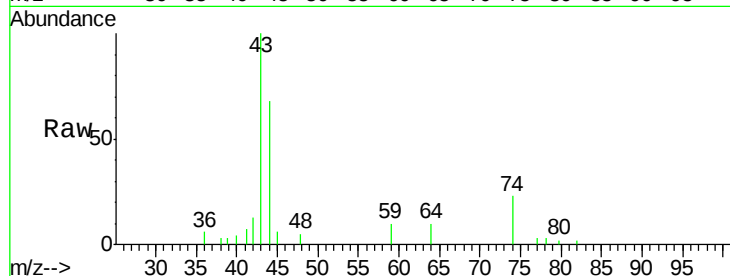




#18
Methyl Acetate
Concen: 1.47 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

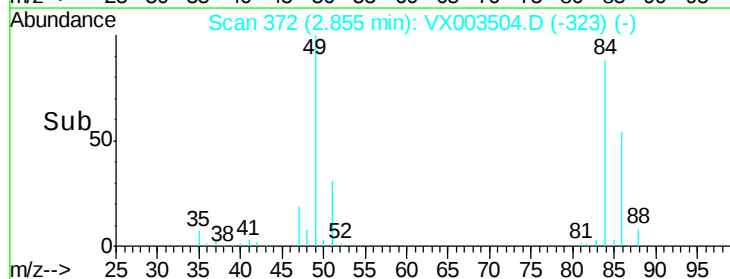
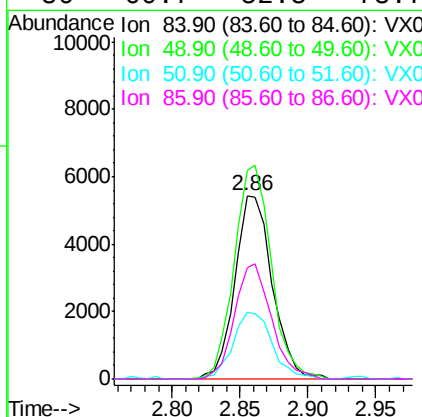
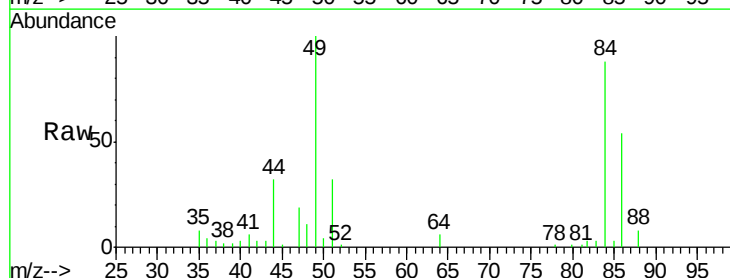
Instrument :
MSVOA_X
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CB-TCLP-12-0718

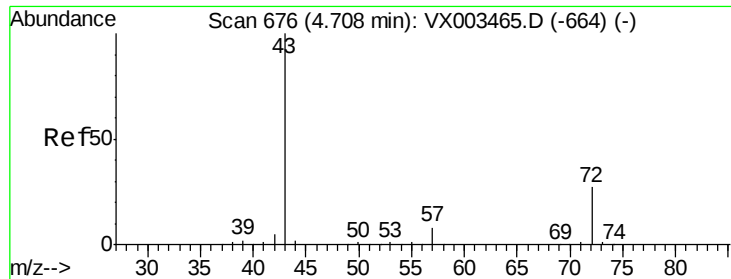
Tot Ion: 43 Resp: 5767
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1



#20
Methylene Chloride
Concen: 2.60 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

Tgt Ion: 84 Resp: 10421
Ion Ratio Lower Upper
84 100
49 113.5 107.8 161.6
51 36.2 32.8 49.2
86 60.7 52.5 78.7





#25

2-Butanone

Concen: 2.33 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003504.D

Acq: 20 Jul 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

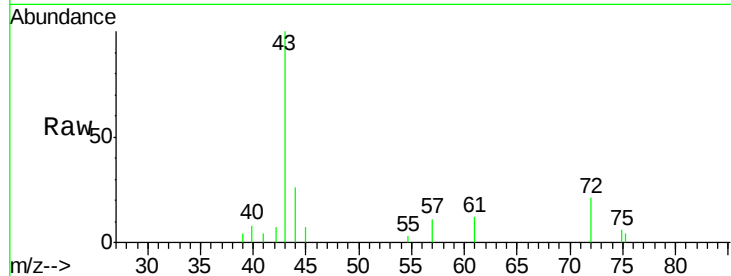
CB-TCLP-12-0718

Tot Ion: 43 Resp: 4868

Ion Ratio Lower Upper

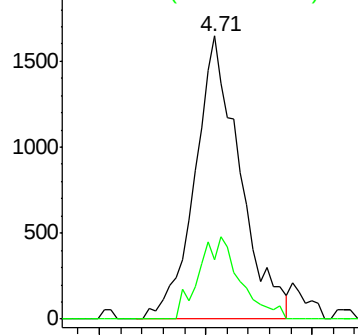
43 100

72 21.1 18.5 27.7

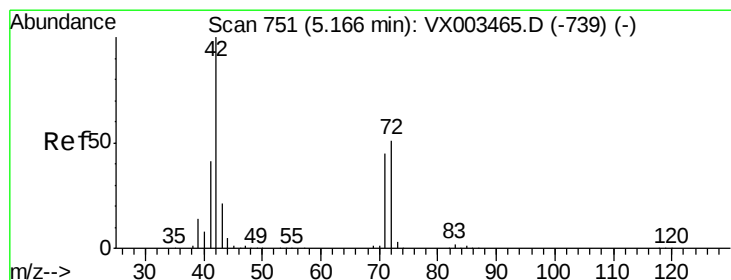
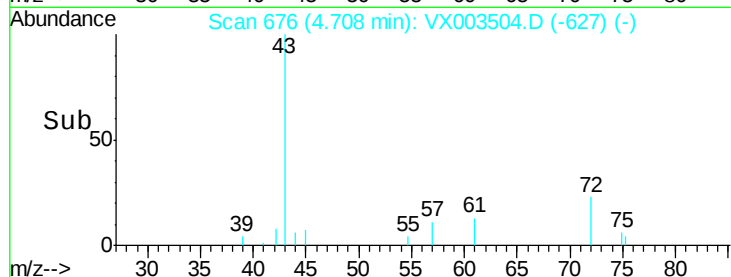


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 1.36 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003504.D

Acq: 20 Jul 2018 13:00

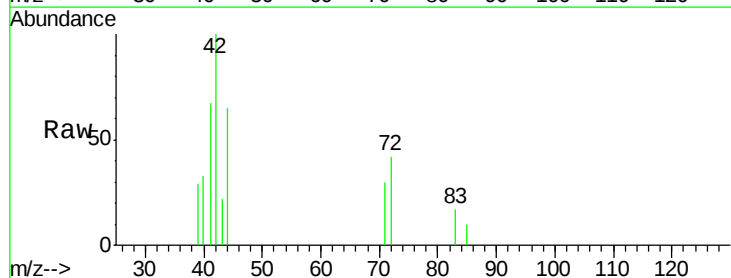
Tgt Ion: 42 Resp: 1877

Ion Ratio Lower Upper

42 100

72 39.9 32.0 48.0

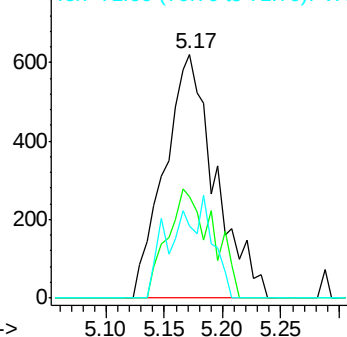
71 21.8 30.1 45.1#



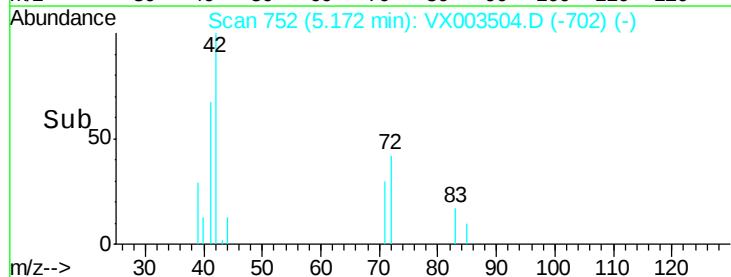
Abundance Ion 42.00 (41.70 to 42.70): VX0

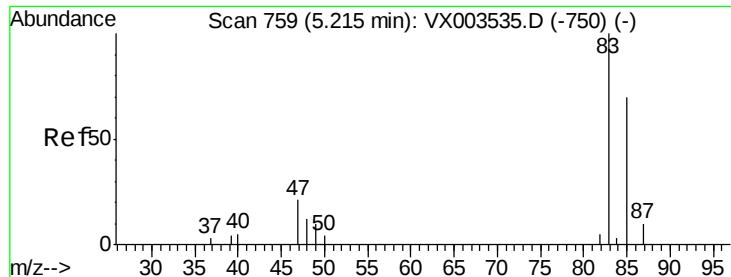
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

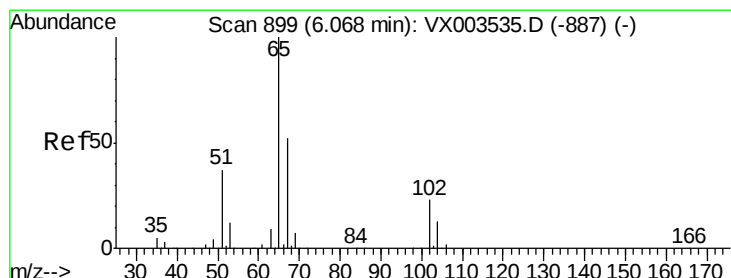
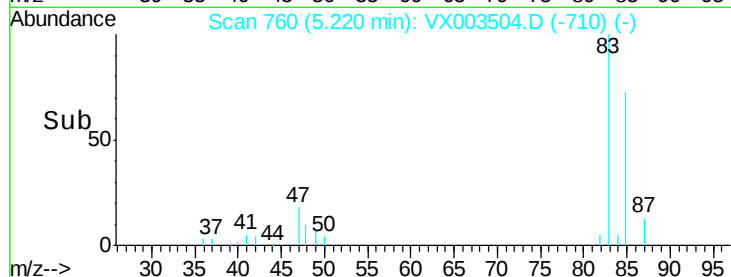
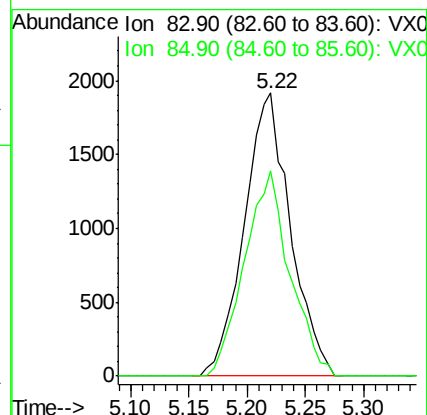
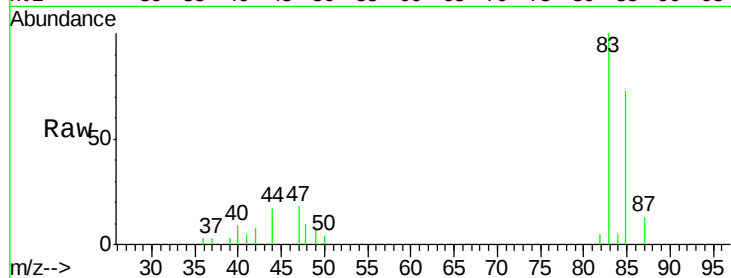




#30
Chloroform
Concen: 0.97 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

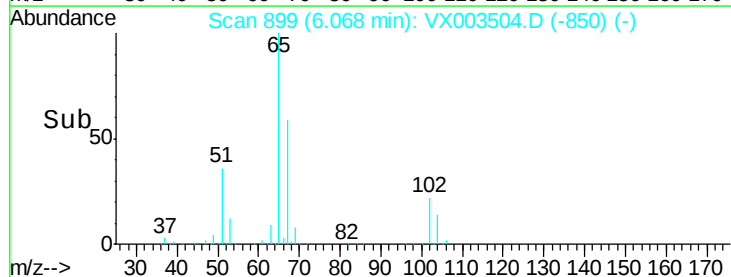
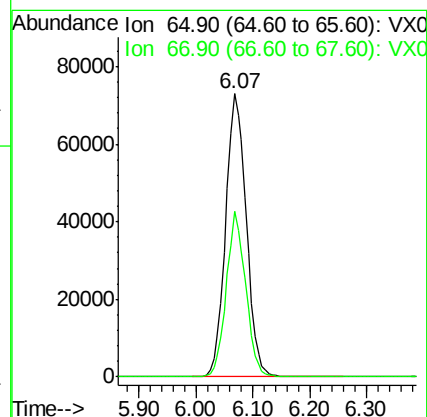
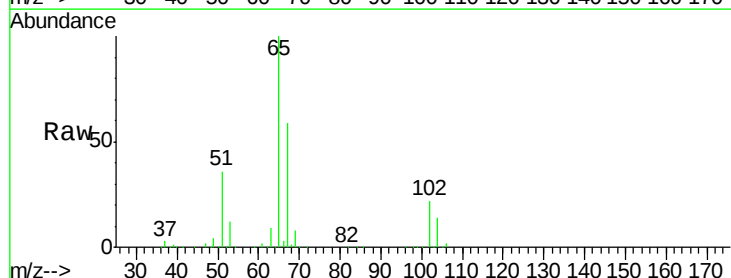
Instrument :
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CB-TCLP-12-0718

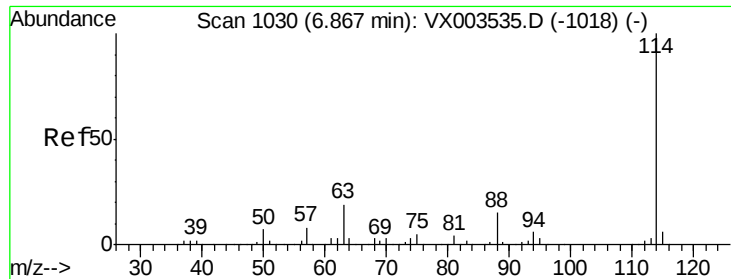
Tot Ion: 83 Resp: 5289
Ion Ratio Lower Upper
83 100
85 72.8 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 55.87 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

Tgt Ion: 65 Resp: 184076
Ion Ratio Lower Upper
65 100
67 54.6 0.0 102.6

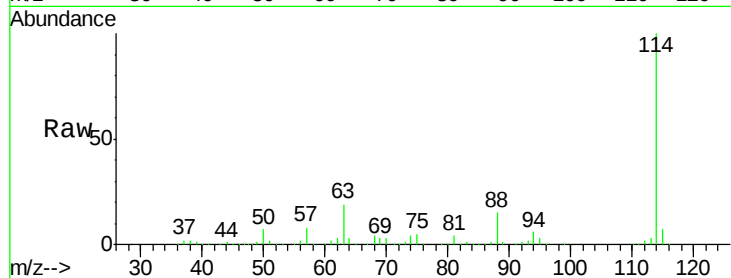




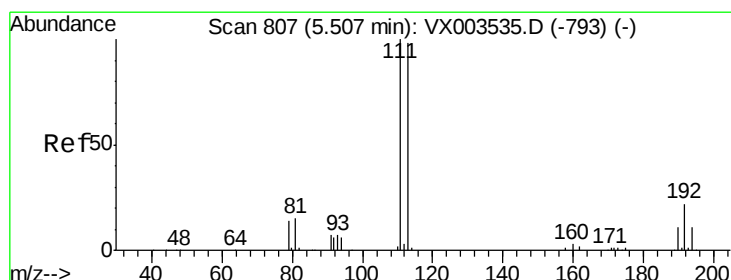
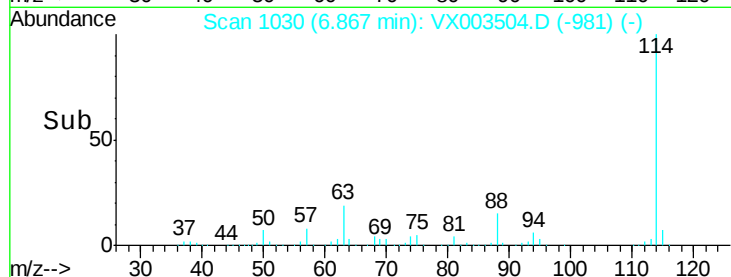
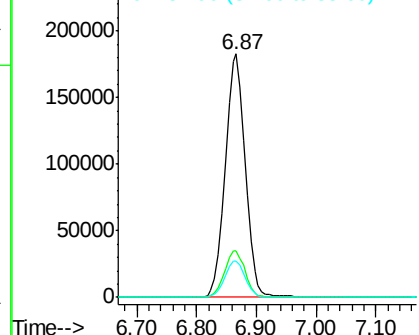
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003504.D
 Acq: 20 Jul 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-12-0718

Tot Ion:114 Resp: 427592
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.1 0.0 30.0

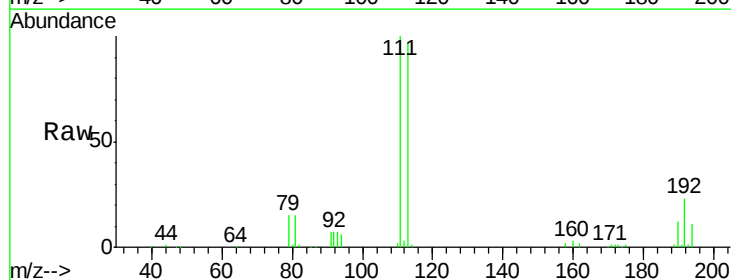


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

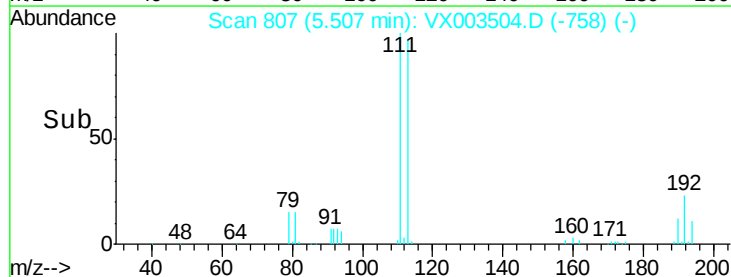
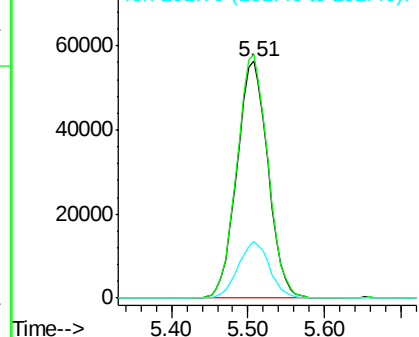


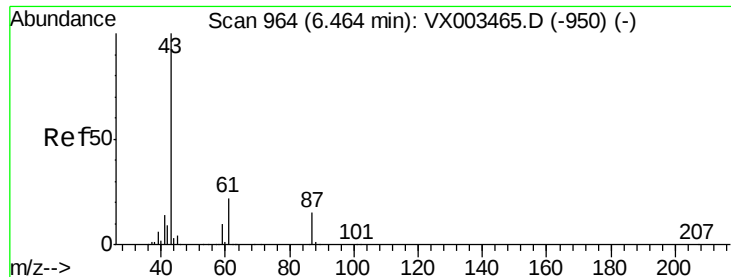
#35
 Dibromofluoromethane
 Concen: 48.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003504.D
 Acq: 20 Jul 2018 13:00

Tgt Ion:113 Resp: 158874
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.1 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



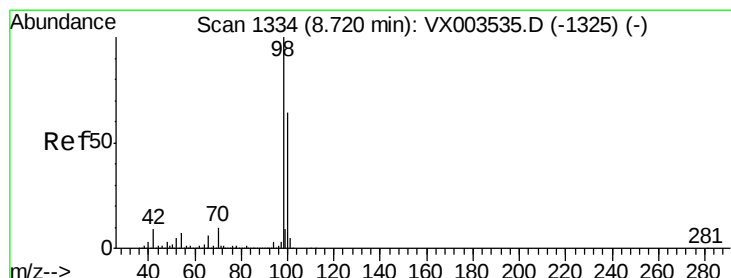
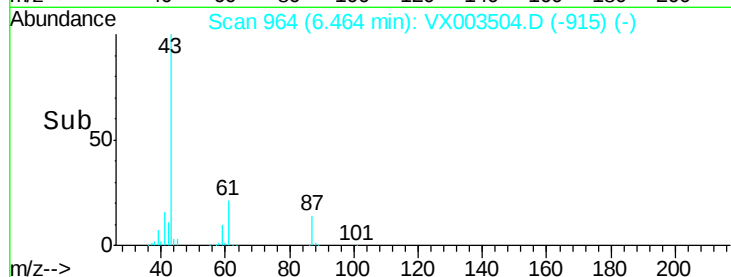
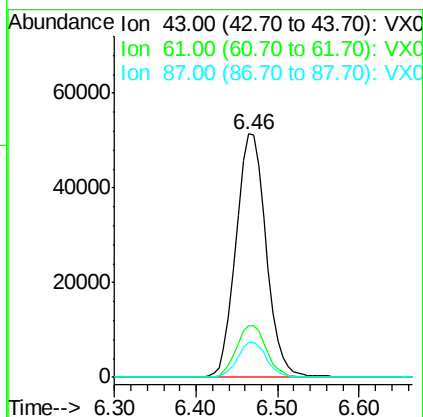
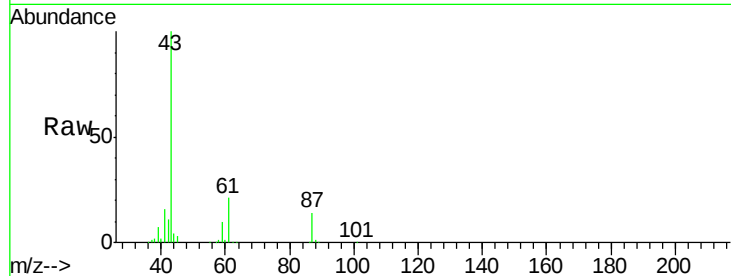


#43

Isopropyl Acetate
 Concen: 18.96 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003504.D
 Acq: 20 Jul 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-12-0718

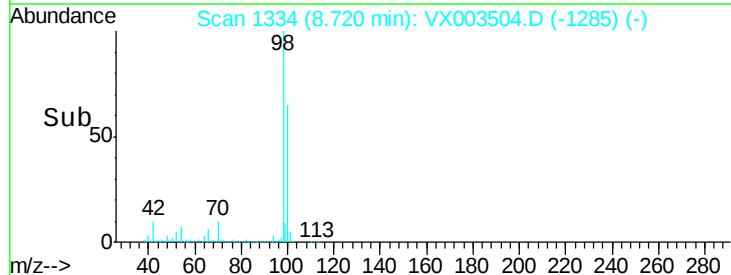
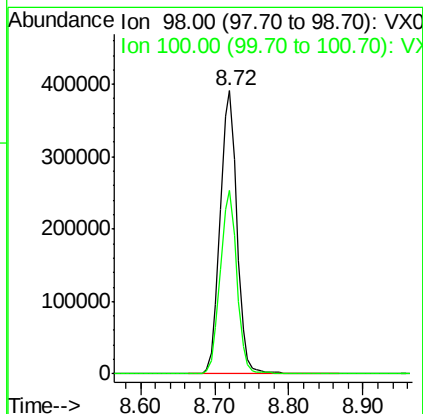
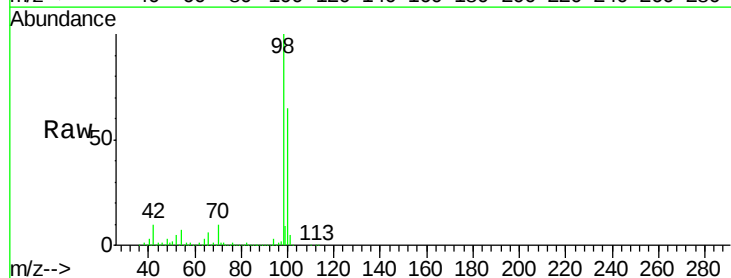
Tot Ion	43	Resp	131722
Ion Ratio	Lower	Upper	
43	100		
61	21.2	14.4	21.6
87	14.1	9.5	14.3

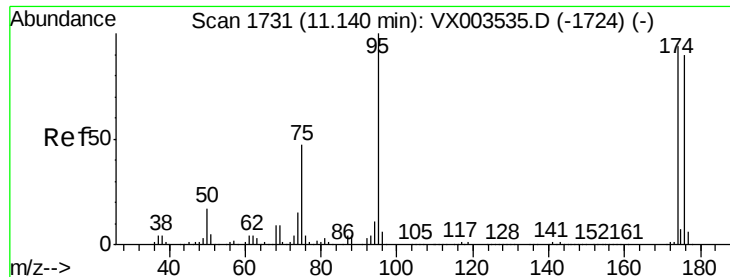


#50

Toluene-d8
 Concen: 50.14 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003504.D
 Acq: 20 Jul 2018 13:00

Tgt Ion	98	Resp	613813
Ion Ratio	Lower	Upper	
98	100		
100	64.2	50.9	76.3

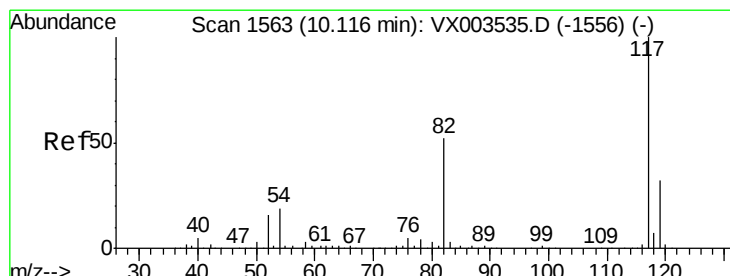
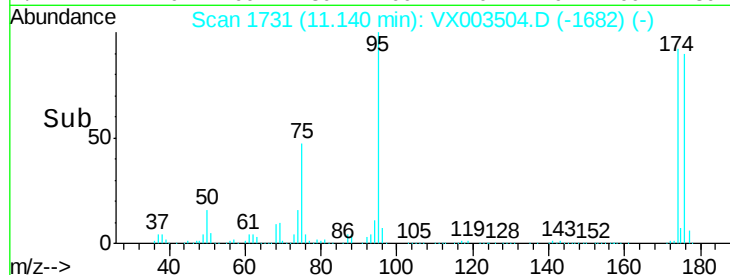
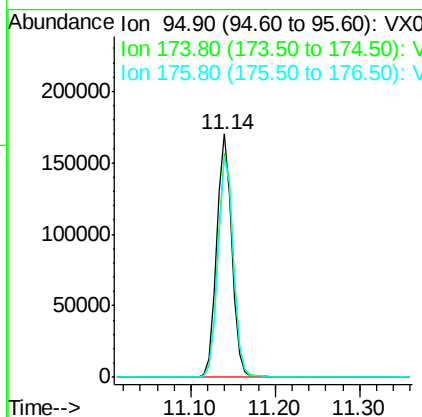
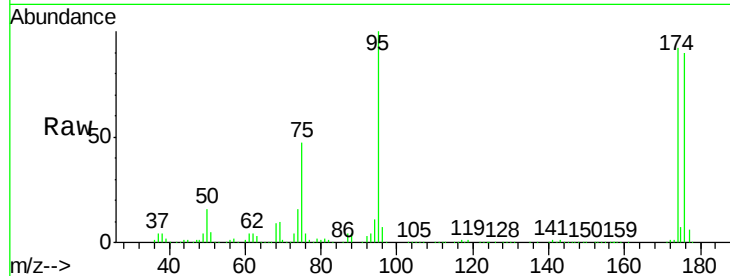




#62
4-Bromofluorobenzene
Concen: 47.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

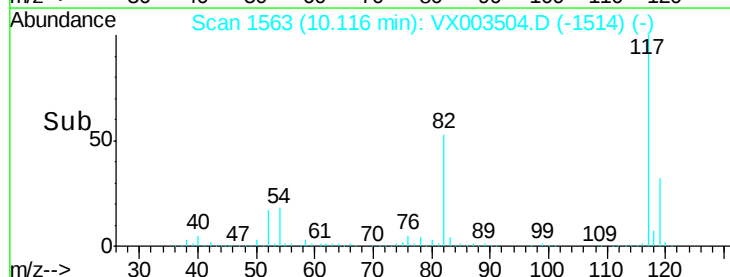
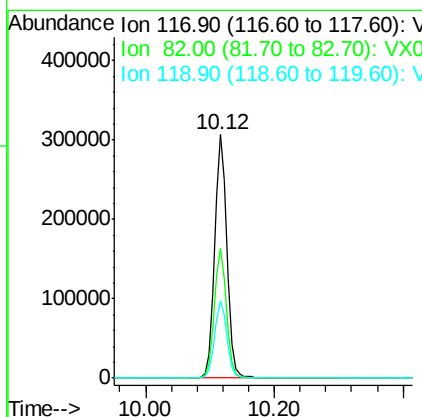
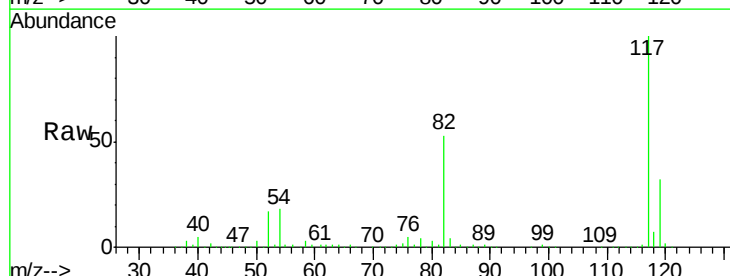
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MSVOA_X
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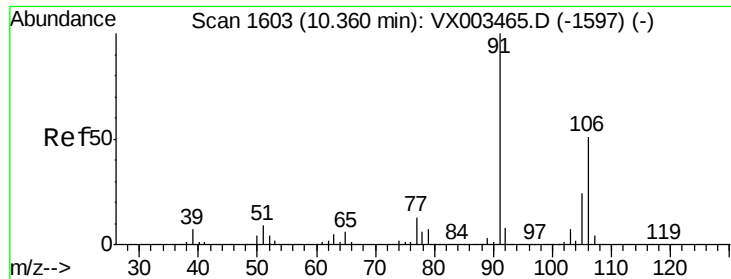
Tot Ion: 95 Resp: 213296
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 91.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

Tgt Ion: 117 Resp: 412532
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 31.9 25.8 38.6

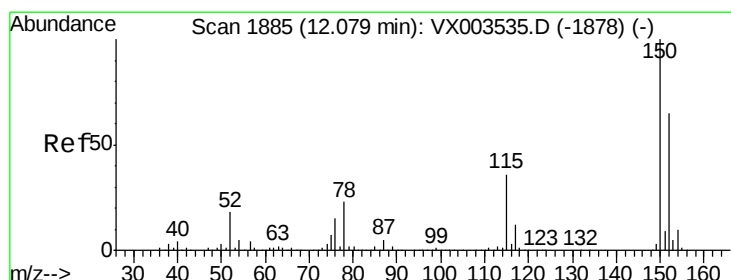
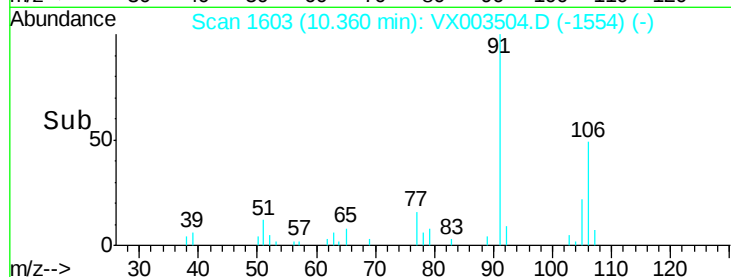
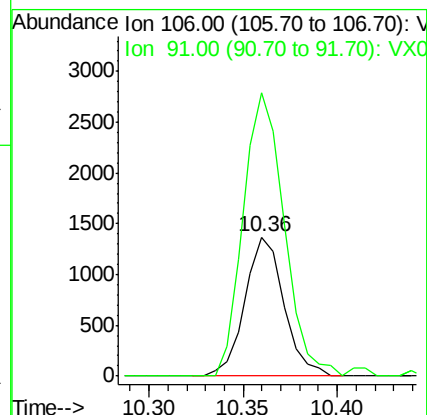
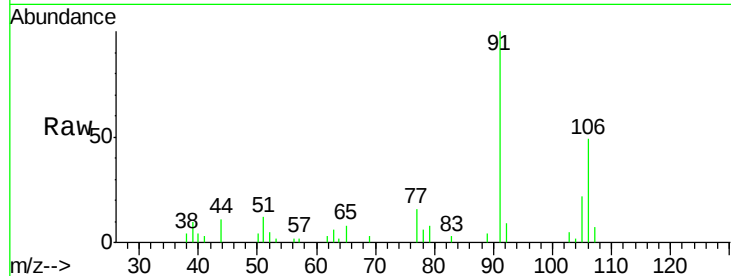




#68
m/p-Xvlenes
Concen: 0.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

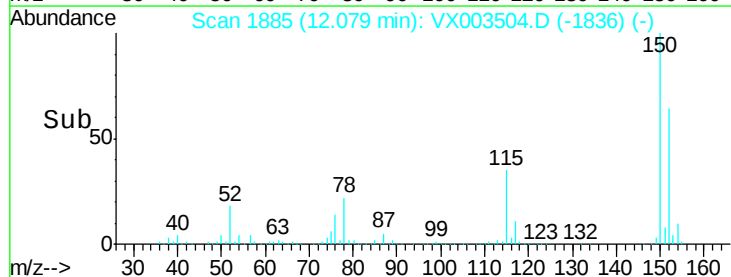
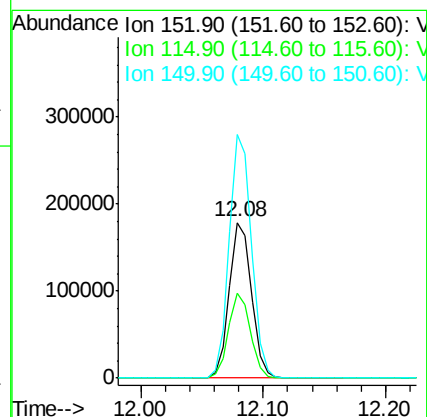
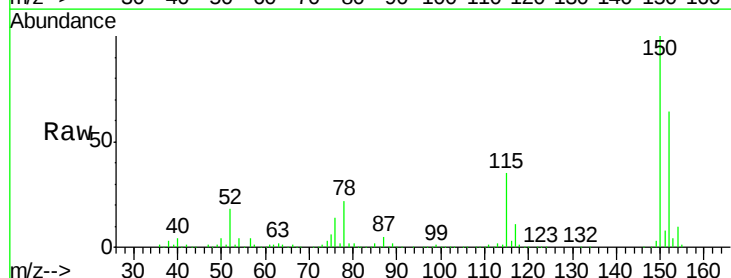
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-12-0718

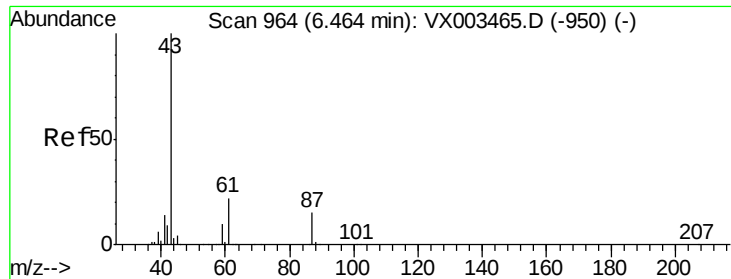
Tot Ion:106 Resp: 1974
Ion Ratio Lower Upper
106 100
91 212.9 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

Tgt Ion:152 Resp: 224505
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 156.6 0.0 347.2





#74

N-amvl acetate

Concen: 19.98 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003504.D

Acq: 20 Jul 2018 13:00

Instrument :

MSVOA_X

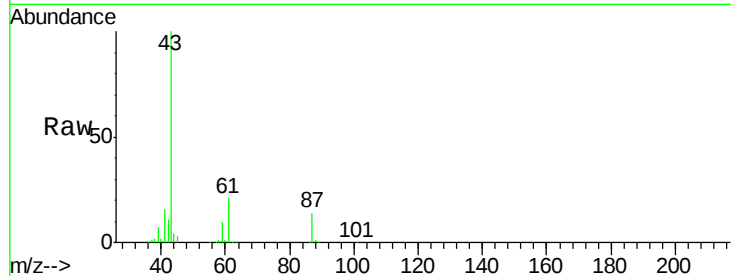
ClientSampleId :

CB-TCLP-12-0718

Tot Ion: 43 Resp: 131722

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

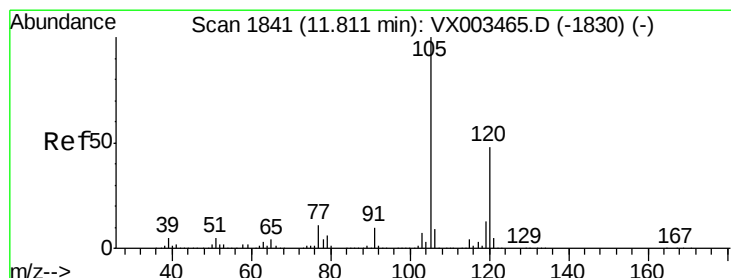
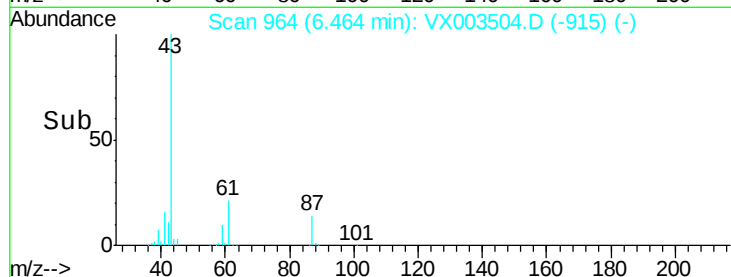
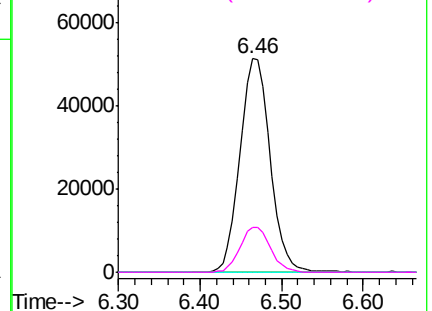


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#84

1,2,4-Trimethylbenzene

Concen: 0.50 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

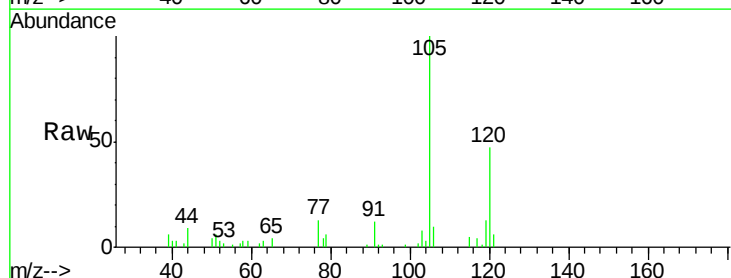
Lab File: VX003504.D

Acq: 20 Jul 2018 13:00

Tgt Ion:105 Resp: 6473

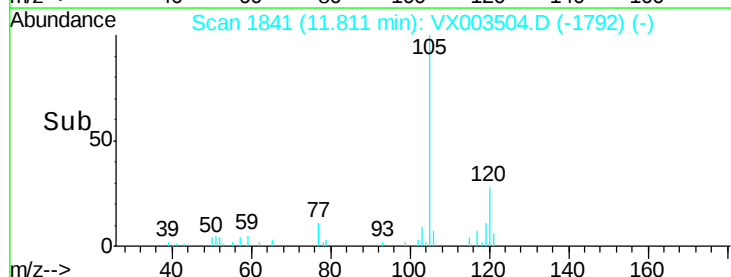
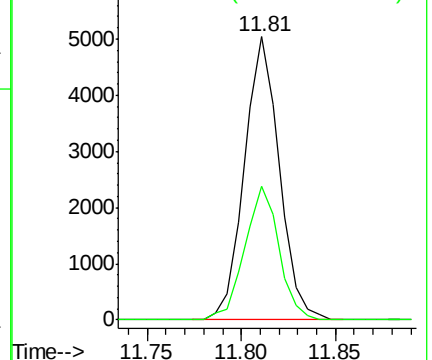
Ion Ratio Lower Upper

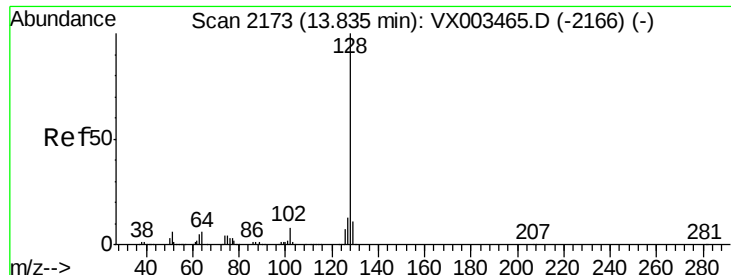
105	100		
120	46.1	22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

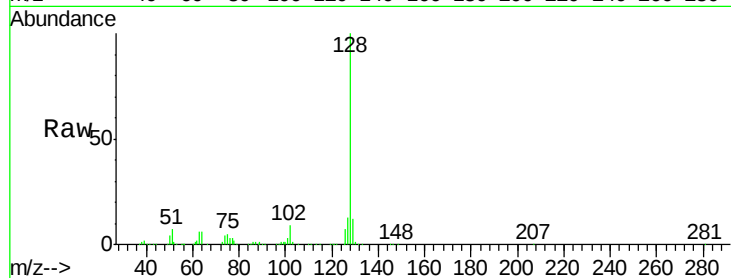




#95
Naphthalene
Concen: 10.18 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003504.D
Acq: 20 Jul 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-12-0718

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	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

