

Data File : VX001604.D

Acq On : 10 May 2018 16:20

Operator : JC/MD

Sample : J2738-01 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR1-0518

Quant Time: May 11 06:55:21 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	156720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	198864	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
35) Dibromofluoromethane	5.51	113	154682	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	8.72	98	537505	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	177767	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	

Target Compounds

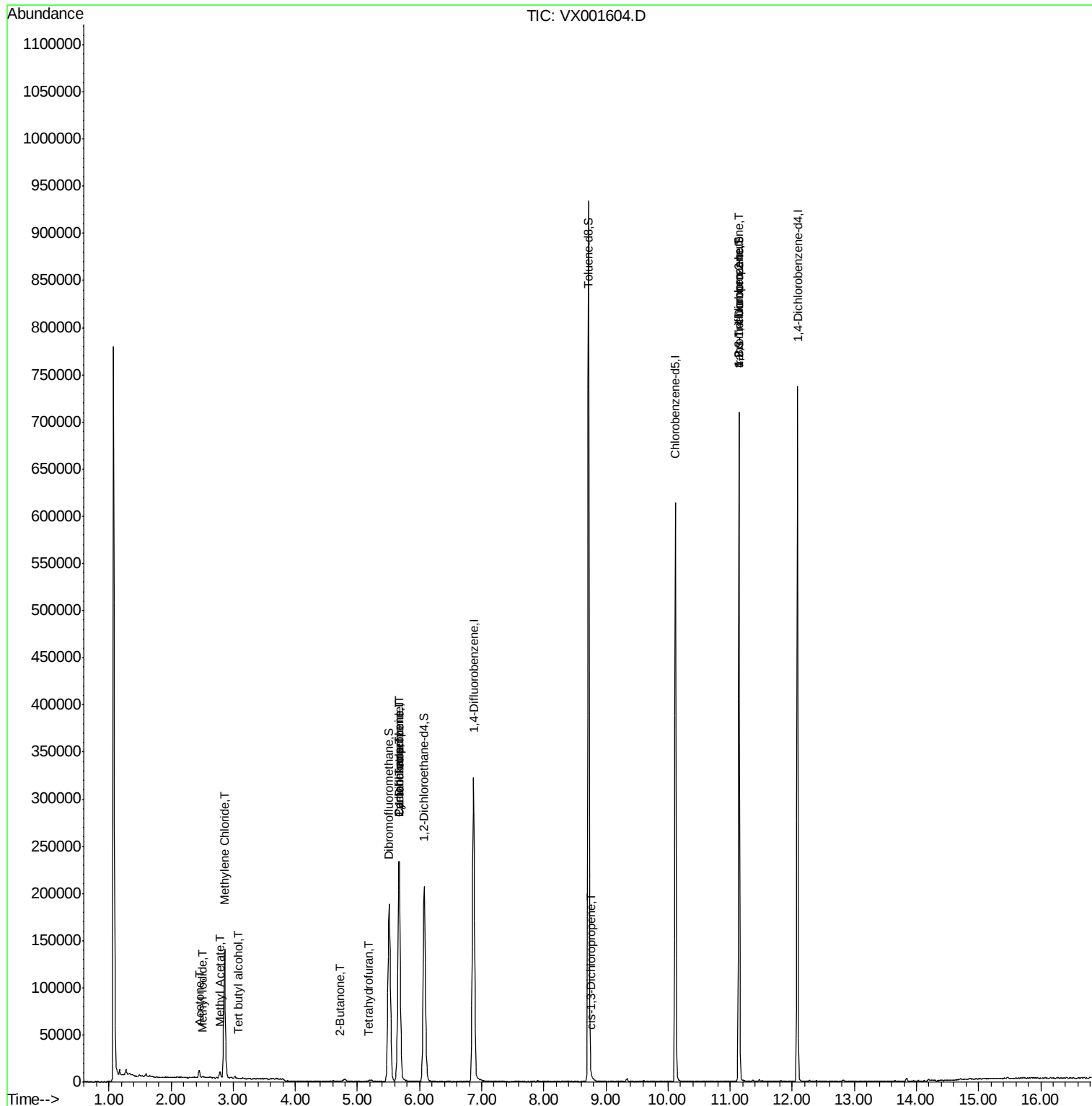
						Qvalue
5) Bromomethane	1.65	94	1076	Below Cal		81
10) Methyl Iodide	2.51	142	1281	0.30 ug/l		93
11) Tert butyl alcohol	3.09	59	217	0.29 ug/l		98
13) Acrolein	2.29	56	119	Below Cal	#	16
16) Acetone	2.45	43	8489	5.30 ug/l		91
18) Methyl Acetate	2.78	43	7560	1.80 ug/l		94
20) Methylene Chloride	2.86	84	63716	20.08 ug/l		100
25) 2-Butanone	4.71	43	1499	0.65 ug/l		99
29) Tetrahydrofuran	5.18	42	451	0.30 ug/l	#	77
31) Cyclohexane	5.67	56	4279	0.94 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	15235	3.62 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21214	4.73 ug/l	#	17
54) cis-1,3-Dichloropropene	8.77	75	21	2.27 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	88418	27.82 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	88418	85.38 ug/l	#	7

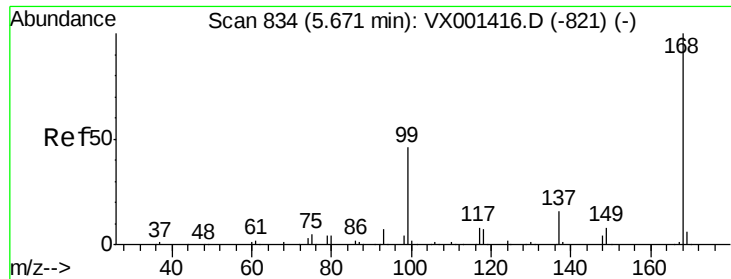
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

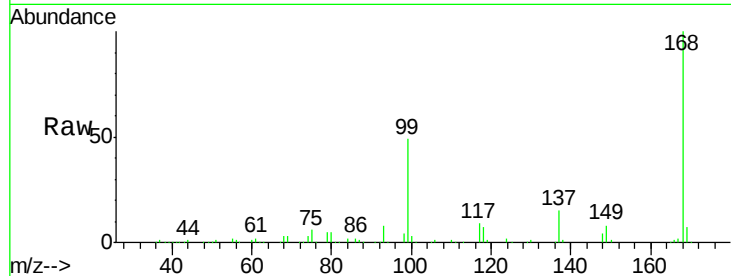
CB-TCLP-VAR1-0518

Tgt Ion:168 Resp: 245579

Ion Ratio Lower Upper

168 100

99 48.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

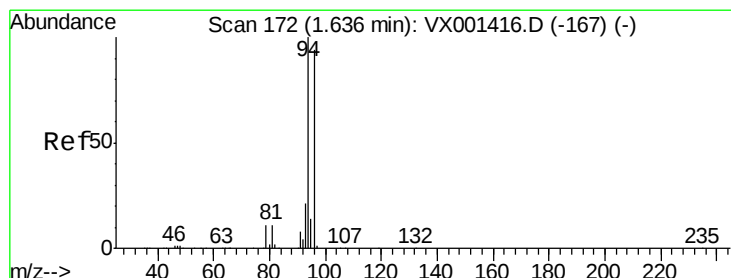
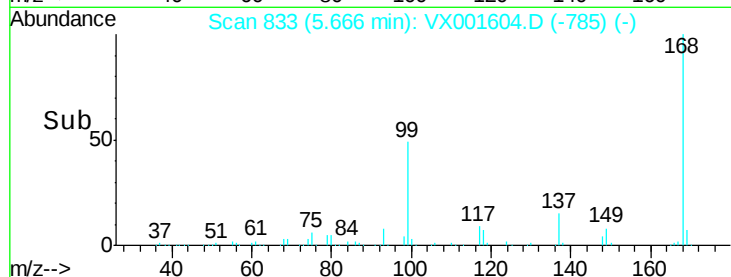
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001604.D

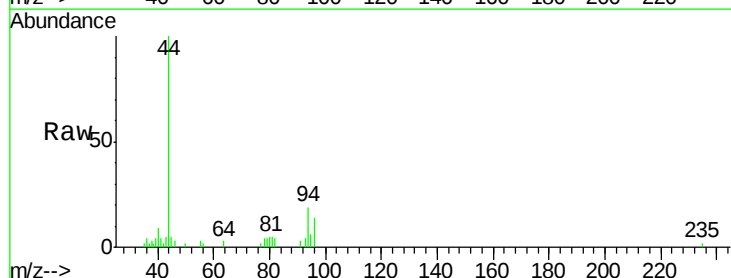
Acq: 10 May 2018 16:20

Tgt Ion: 94 Resp: 1076

Ion Ratio Lower Upper

94 100

96 75.5 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

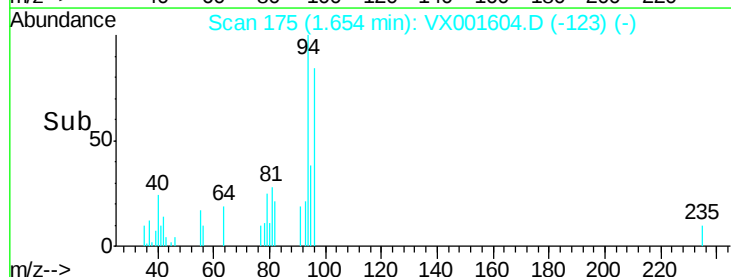
600

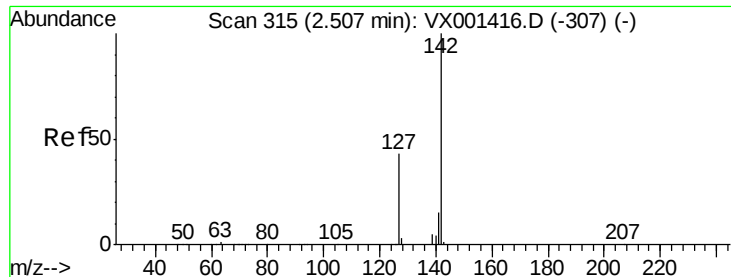
400

200

0

Time--> 1.60 1.65 1.70

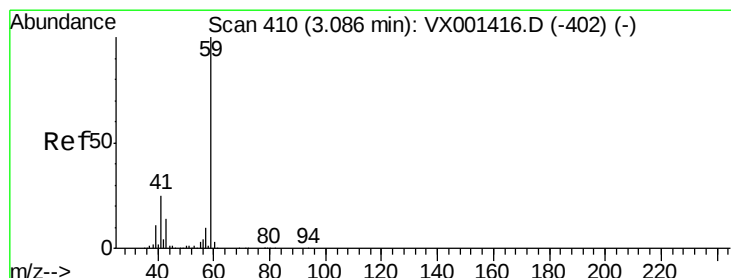
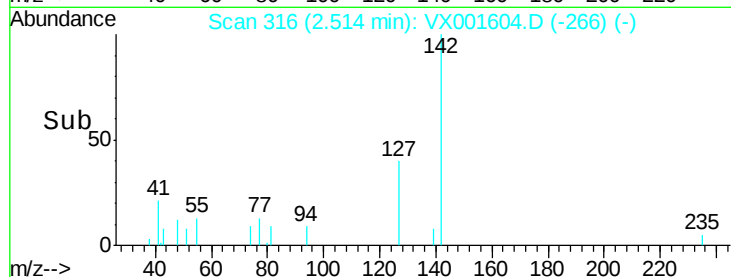
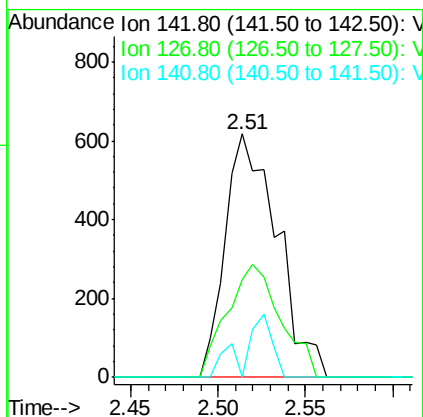
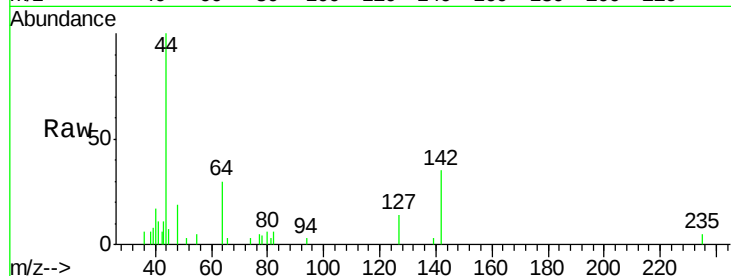




#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

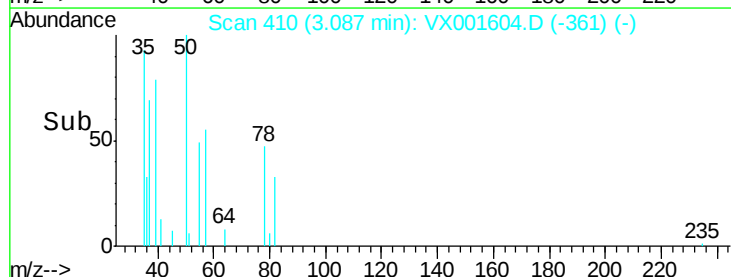
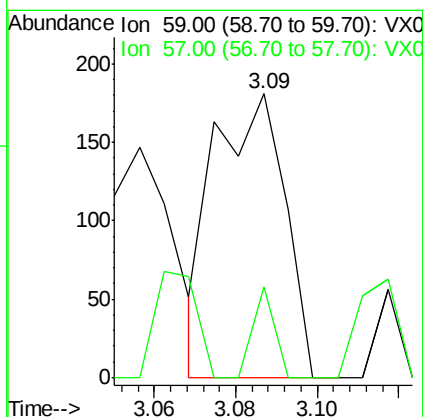
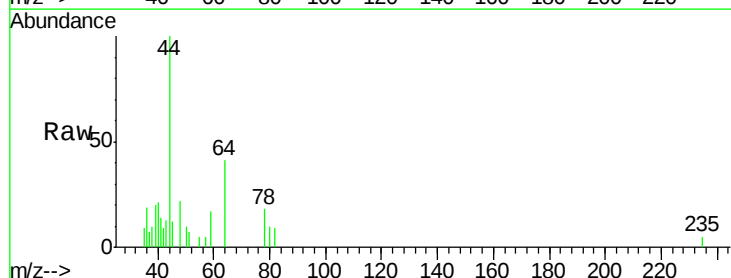
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

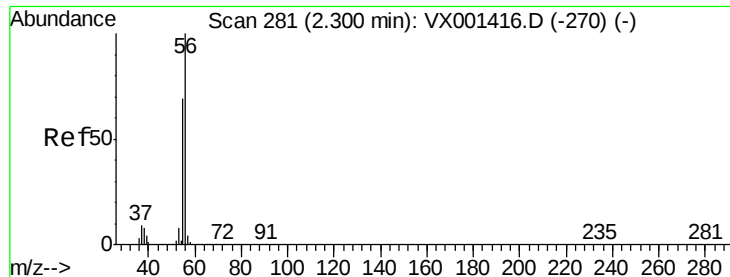
Tgt Ion: 142 Resp: 1281
Ion Ratio Lower Upper
142 100
127 47.5 33.6 50.4
141 14.3 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

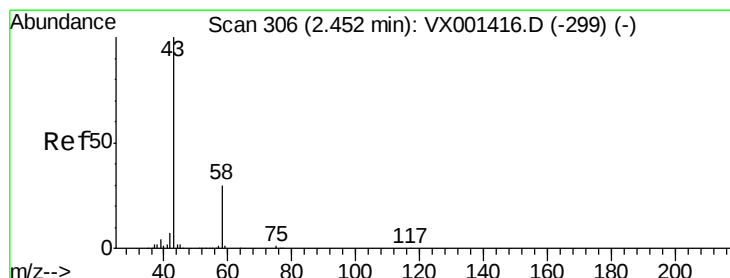
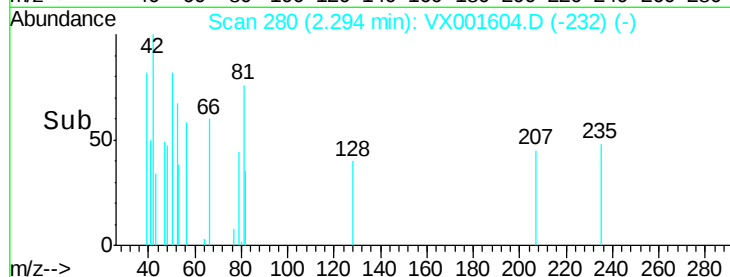
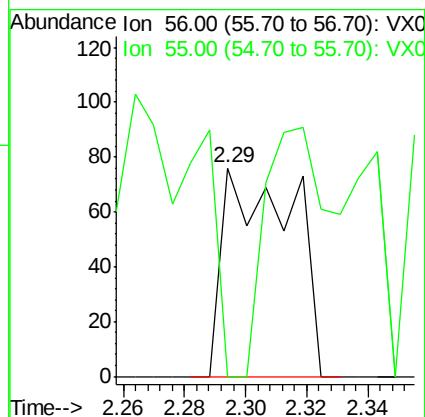
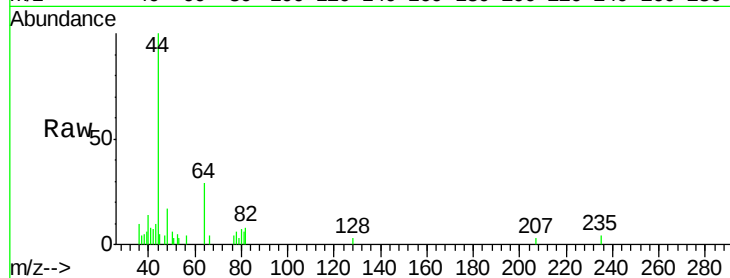
CB-TCLP-VAR1-0518

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#16

Acetone

Concen: 5.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001604.D

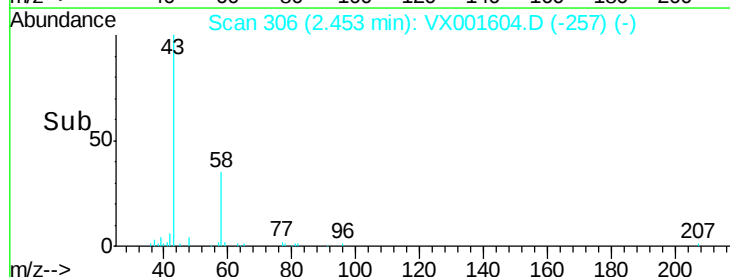
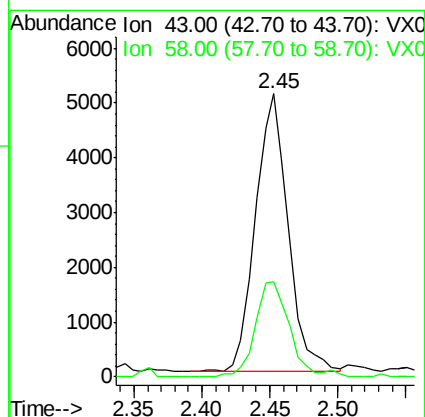
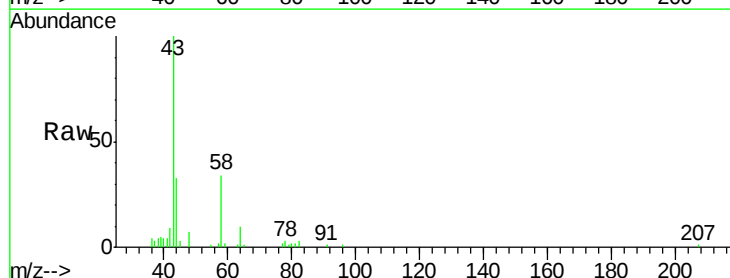
Acq: 10 May 2018 16:20

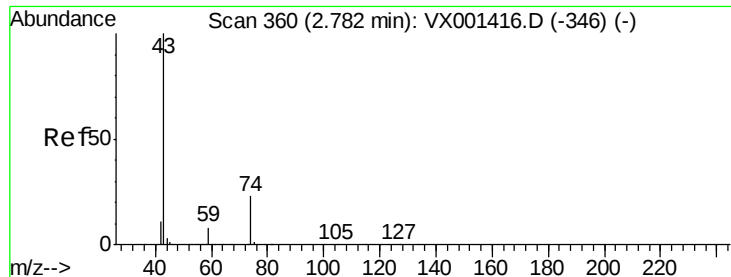
Tgt Ion: 43 Resp: 8489

Ion Ratio Lower Upper

43 100

58 34.5 23.8 35.8

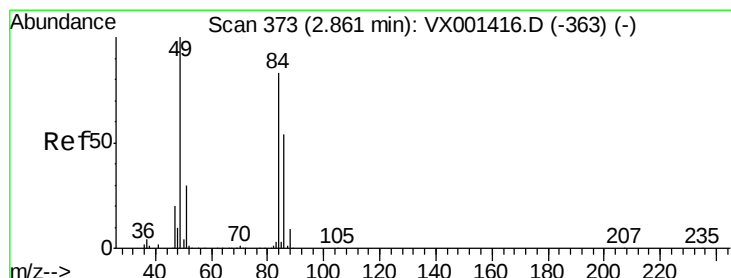
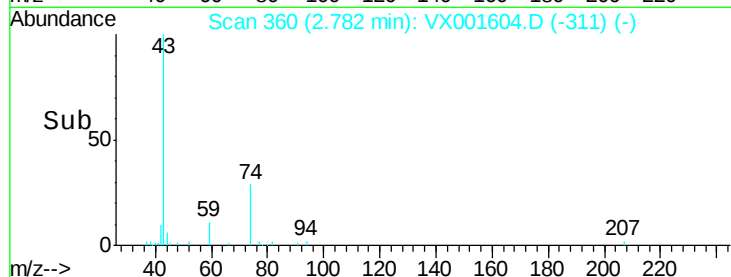
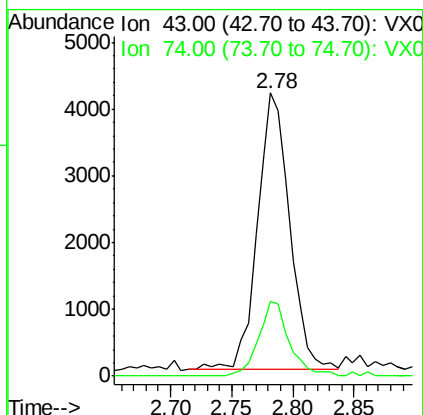
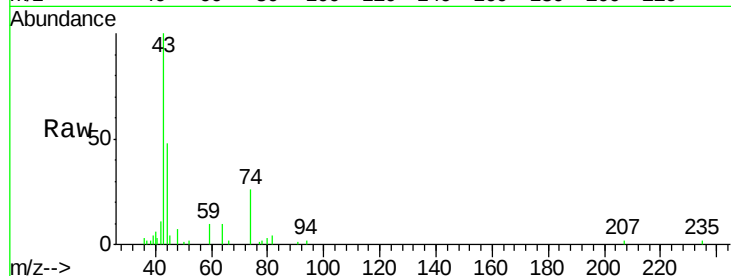




#18
Methyl Acetate
Concen: 1.80 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

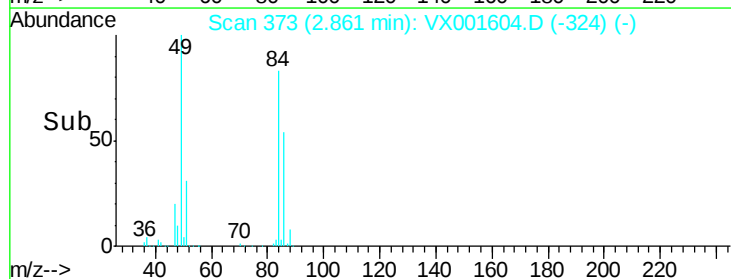
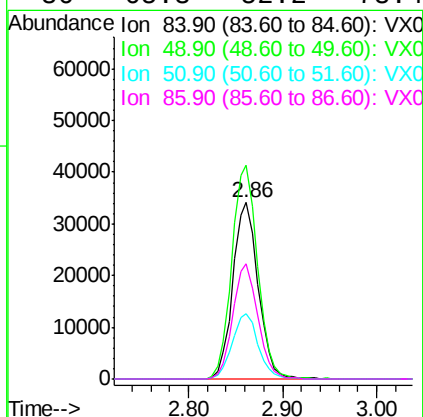
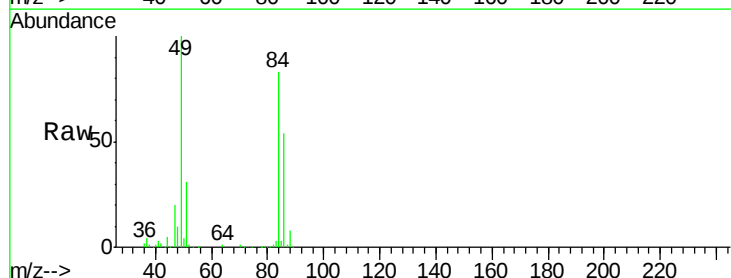
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

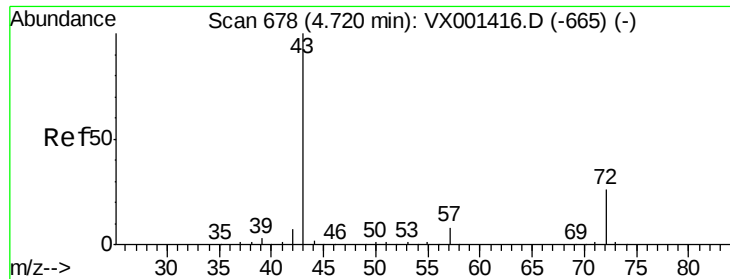
Tgt Ion: 43 Resp: 7560
Ion Ratio Lower Upper
43 100
74 26.0 18.6 27.8



#20
Methylene Chloride
Concen: 20.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Tgt Ion: 84 Resp: 63716
Ion Ratio Lower Upper
84 100
49 121.0 96.6 144.8
51 37.2 29.0 43.4
86 65.3 52.2 78.4





#25

2-Butanone

Concen: 0.65 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

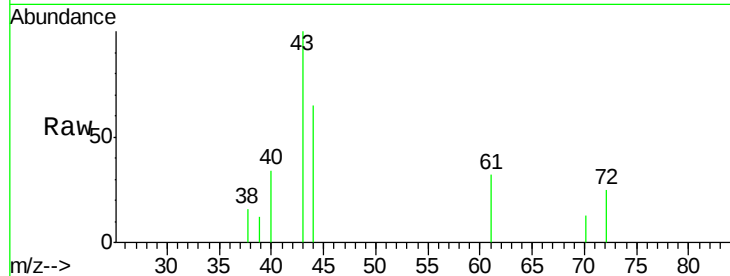
CB-TCLP-VAR1-0518

Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

72 25.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

400

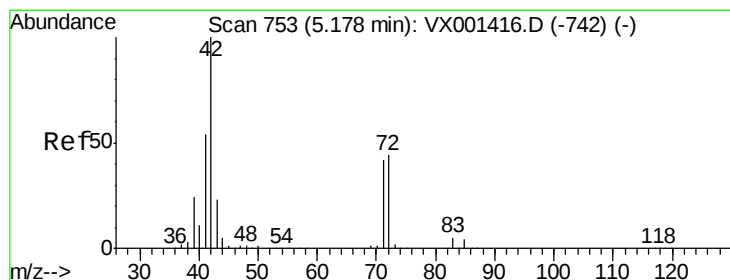
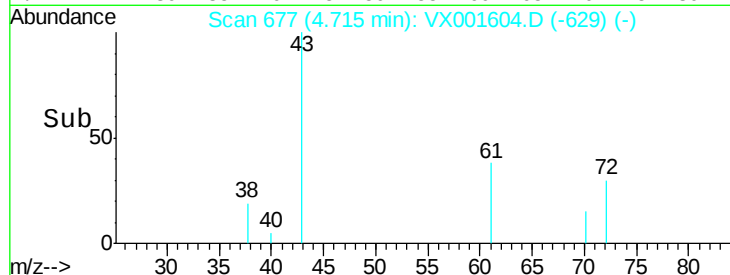
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

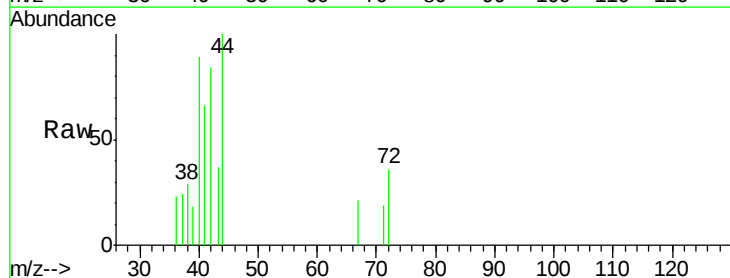
Tgt Ion: 42 Resp: 451

Ion Ratio Lower Upper

42 100

72 59.9 35.4 53.2#

71 54.3 33.0 49.4#



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

5.18

300

250

200

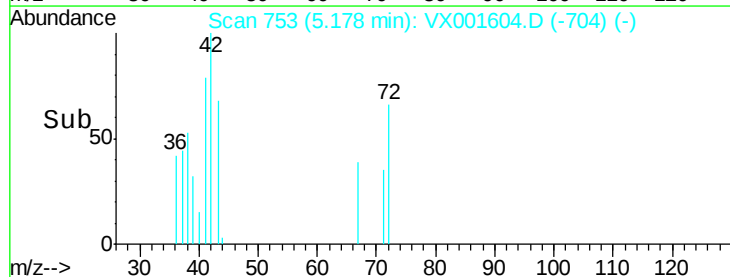
150

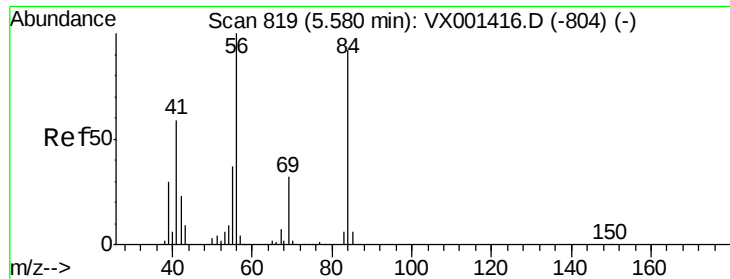
100

50

0

Time-->

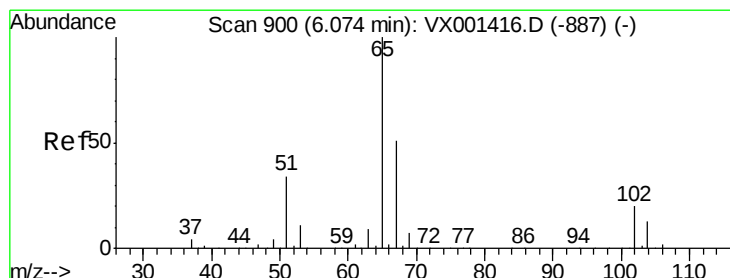
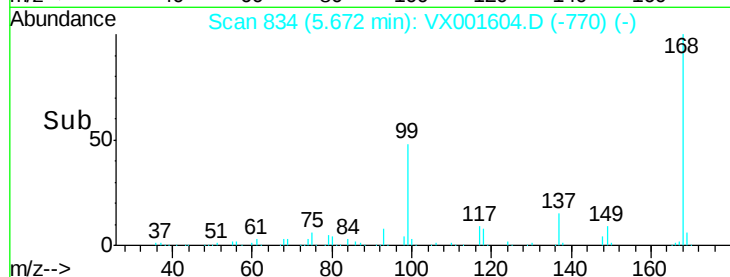
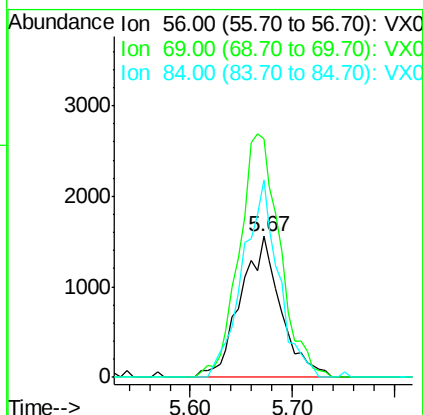
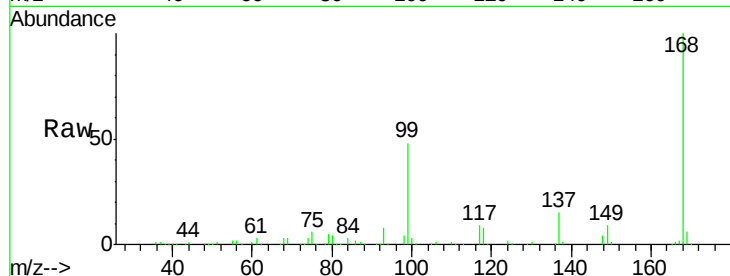




#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

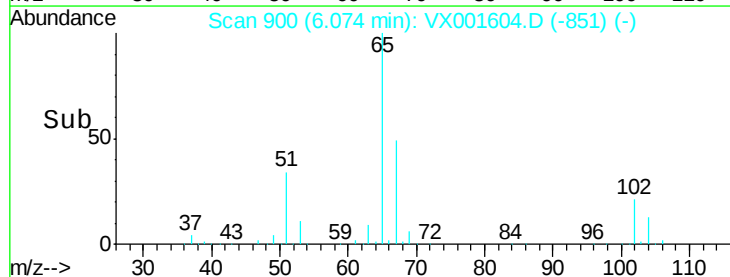
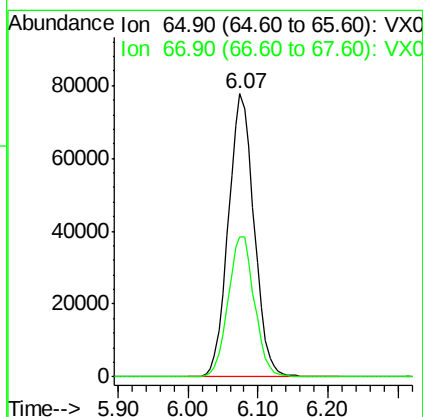
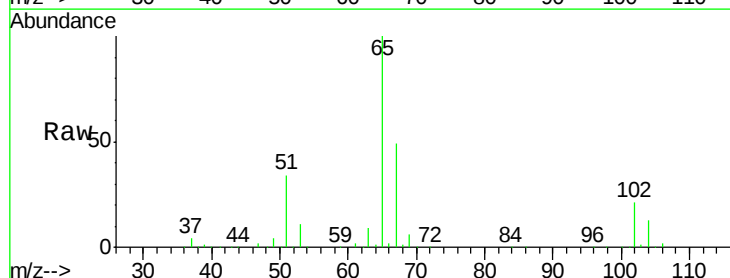
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

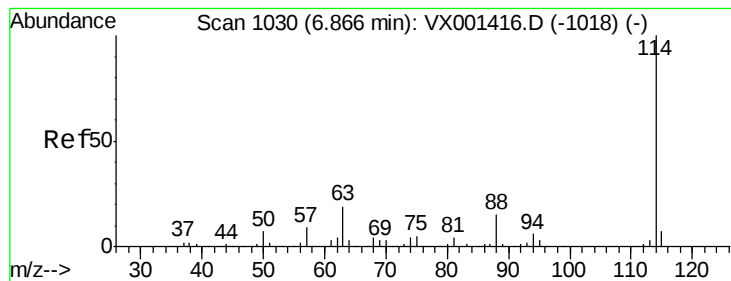
Tgt Ion: 56 Resp: 4279
Ion Ratio Lower Upper
56 100
69 169.0 25.4 38.0#
84 139.8 73.8 110.8#



#33
1,2-Dichloroethane-d4
Concen: 56.34 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Tgt Ion: 65 Resp: 198864
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR1-0518

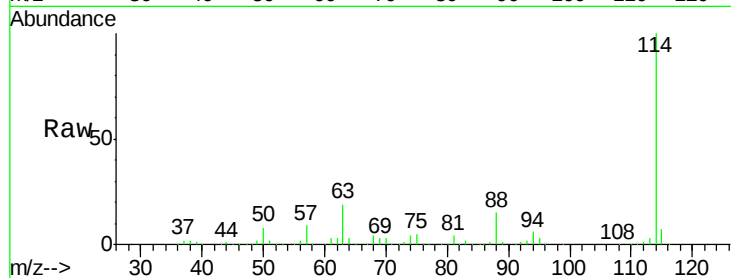
Tgt Ion:114 Resp: 330778

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

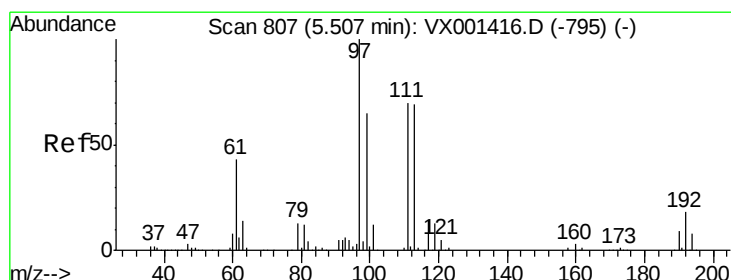
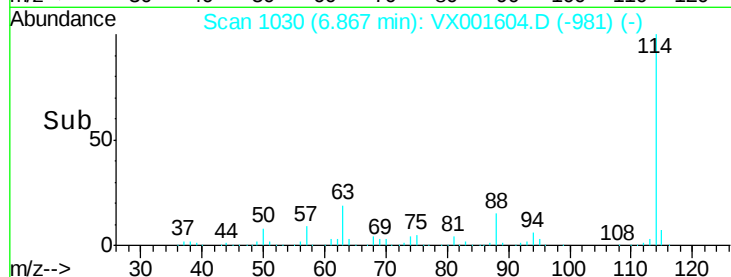
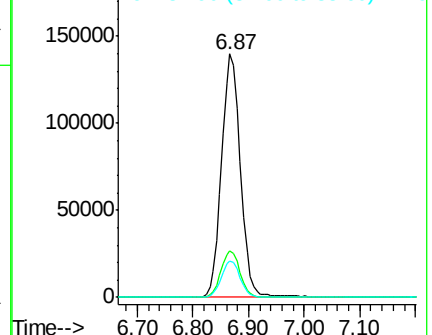
88 15.0 0.0 30.8



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: 52.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

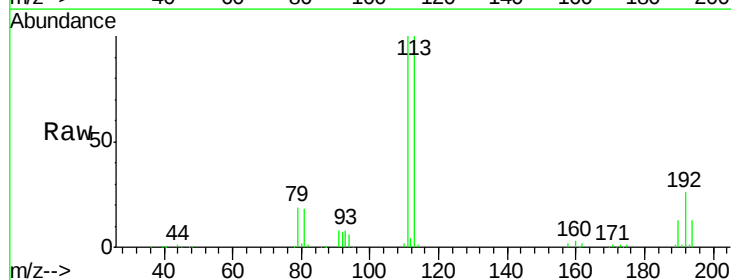
Tgt Ion:113 Resp: 154682

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

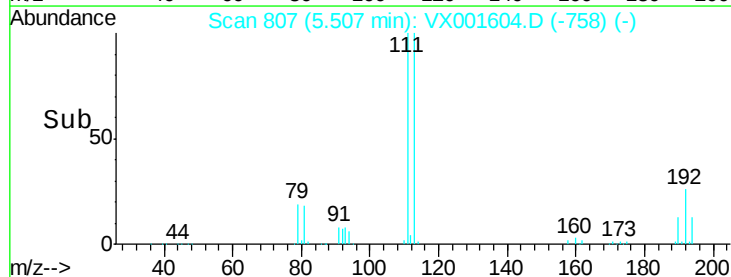
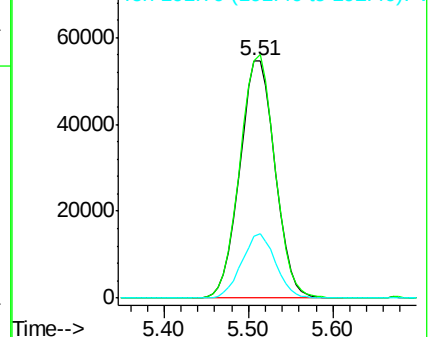
192 26.3 21.4 32.0

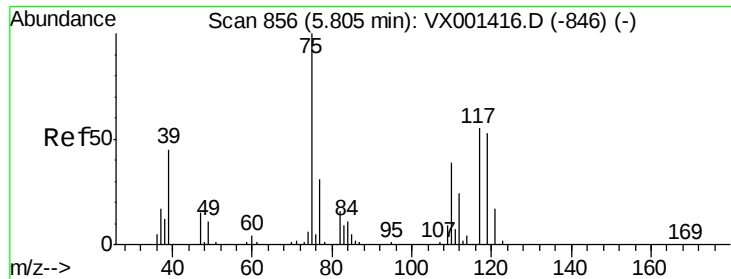


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

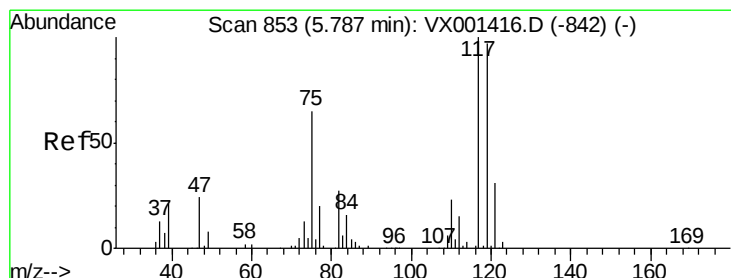
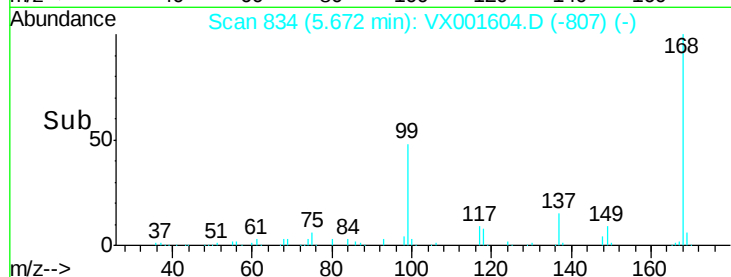
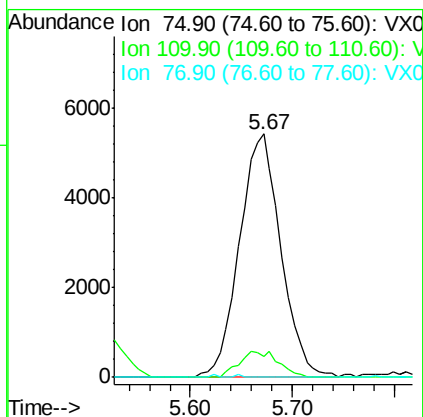
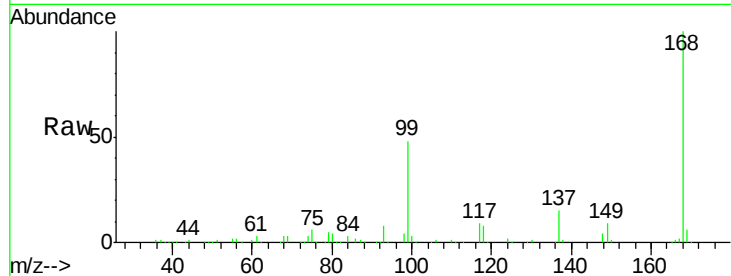




#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001604.D
 Acq: 10 May 2018 16:20

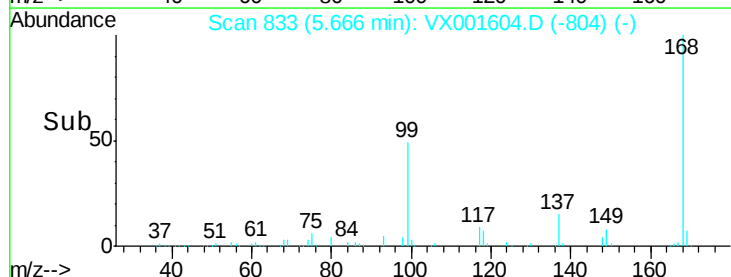
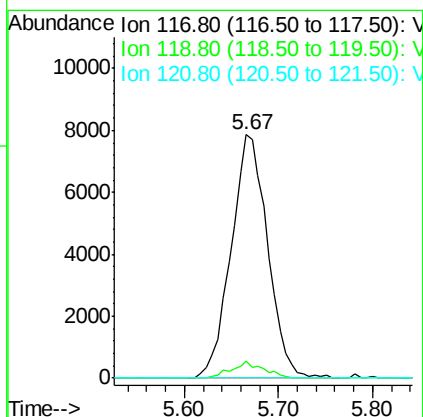
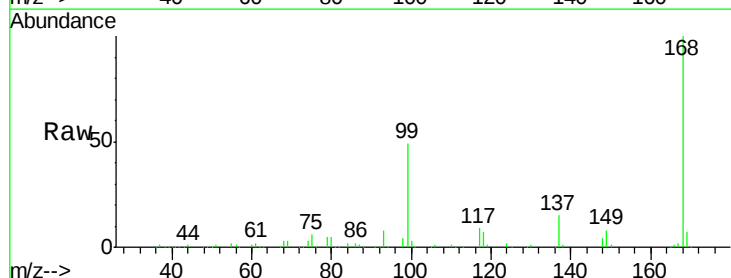
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR1-0518

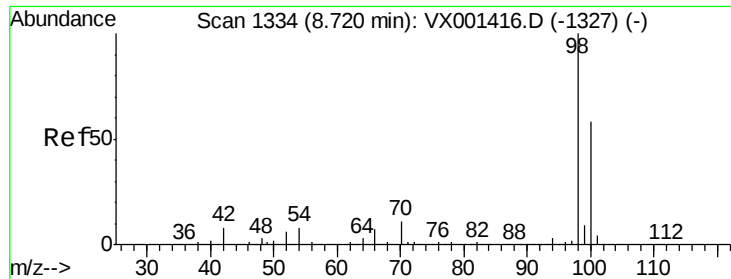
Tgt Ion: 75 Resp: 15235
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.9 56.7#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001604.D
 Acq: 10 May 2018 16:20

Tgt Ion: 117 Resp: 21214
 Ion Ratio Lower Upper
 117 100
 119 7.2 77.0 115.6#
 121 0.0 25.1 37.7#

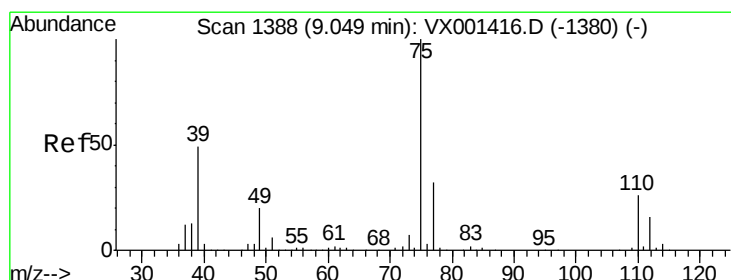
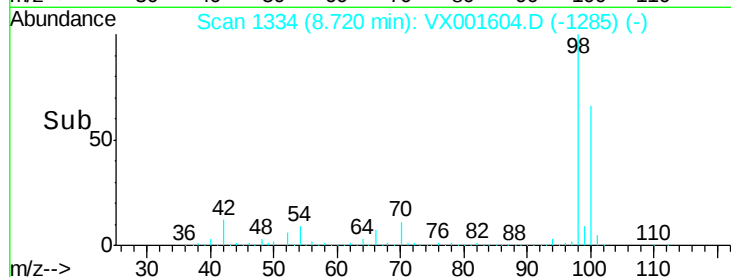
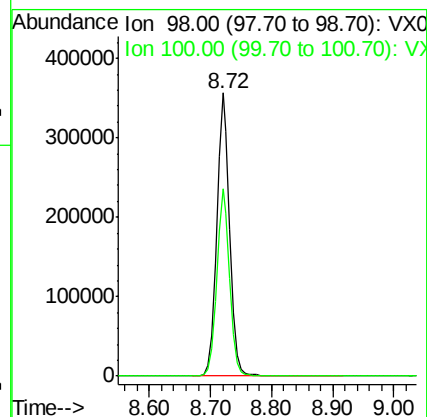
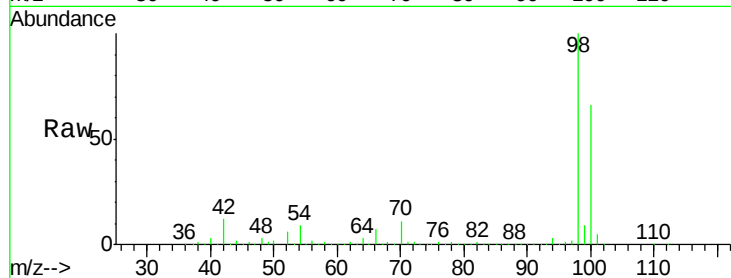




#50
Toluene-d8
Concen: 50.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

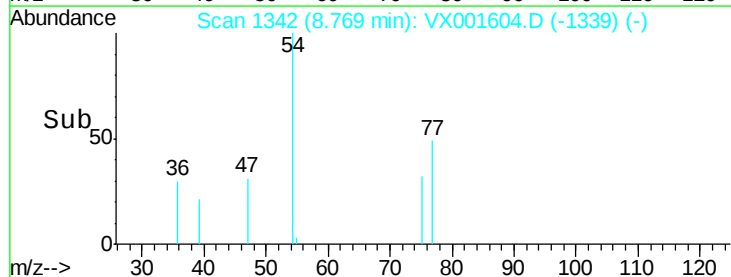
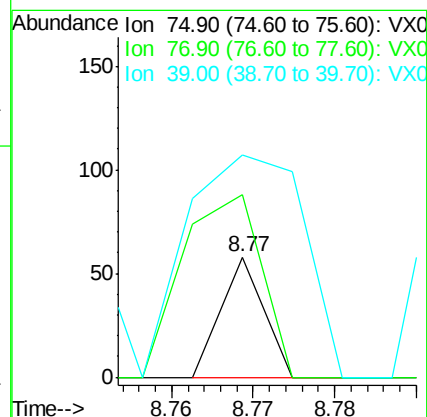
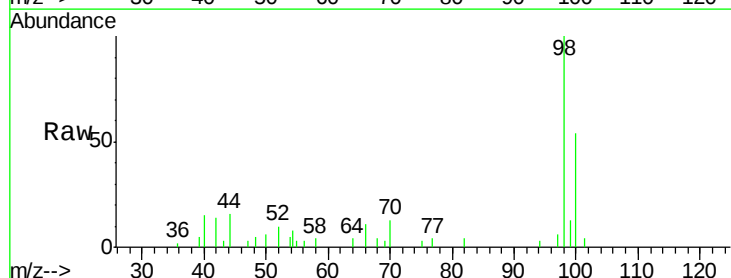
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

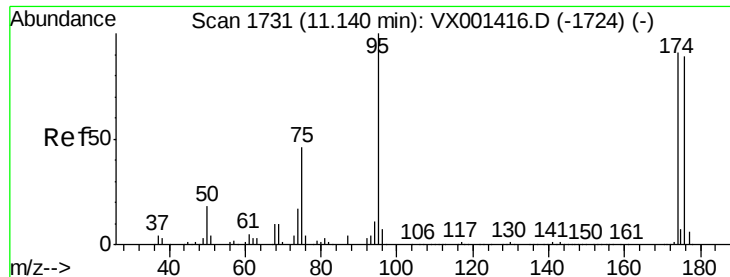
Tgt Ion: 98 Resp: 537505
Ion Ratio Lower Upper
98 100
100 66.2 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 8.77 min Scan# 1342
Delta R.T. -0.28 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 151.7 25.5 38.3#
39 184.5 38.9 58.3#

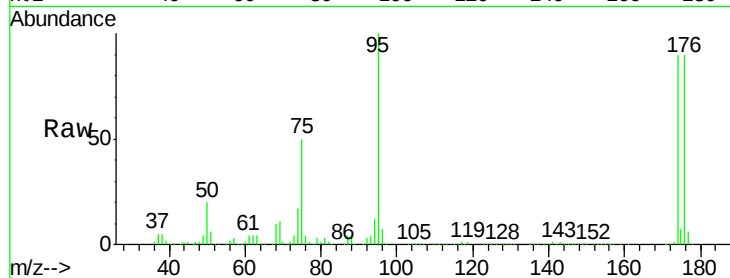




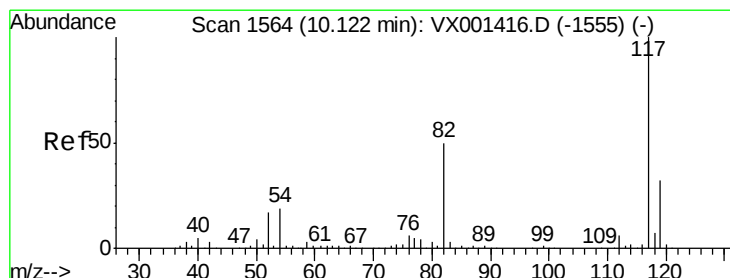
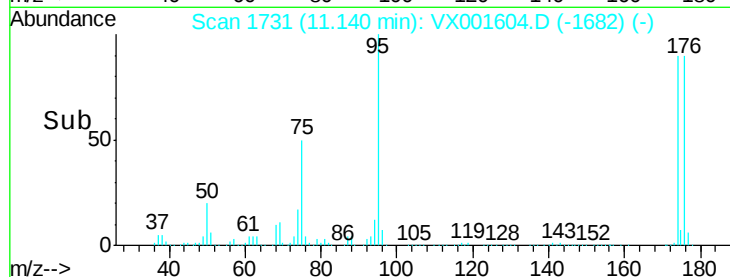
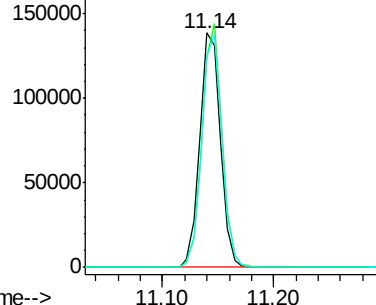
#62
4-Bromofluorobenzene
Concen: 43.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

Tgt Ion	Resp	Lower	Upper
95	177767		
174	99.9	0.0	202.0
176	96.9	0.0	197.4

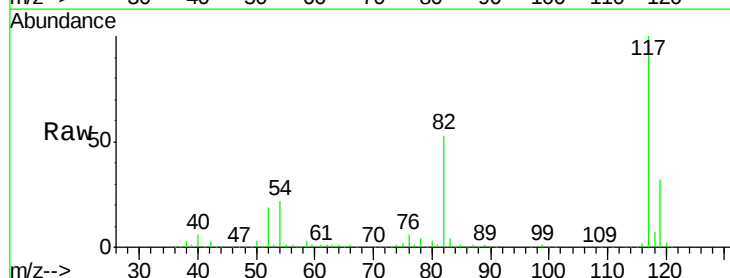


Abundance Ion 94.90 (94.60 to 95.60): VX001416.D (-1724) (-)
Ion 173.80 (173.50 to 174.50): VX001416.D (-1724) (-)
Ion 175.80 (175.50 to 176.50): VX001416.D (-1724) (-)

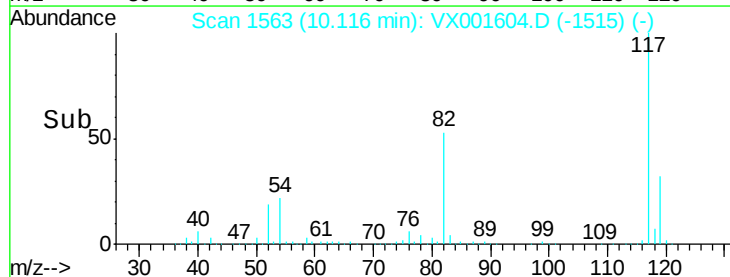
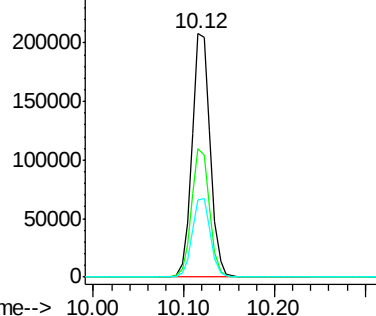


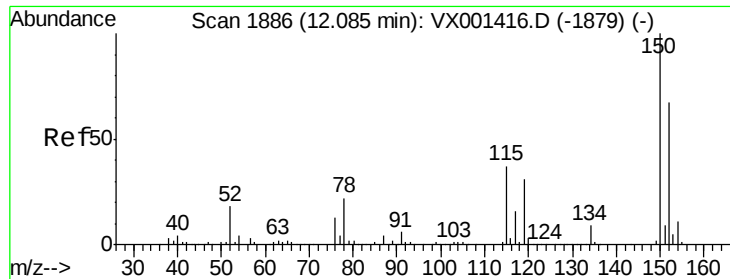
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001604.D
Acq: 10 May 2018 16:20

Tgt Ion	Resp	Lower	Upper
117	288446		
82	52.9	40.0	60.0
119	31.7	25.8	38.8



Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)
Ion 82.00 (81.70 to 82.70): VX001416.D (-1555) (-)
Ion 118.90 (118.60 to 119.60): VX001416.D (-1555) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR1-0518

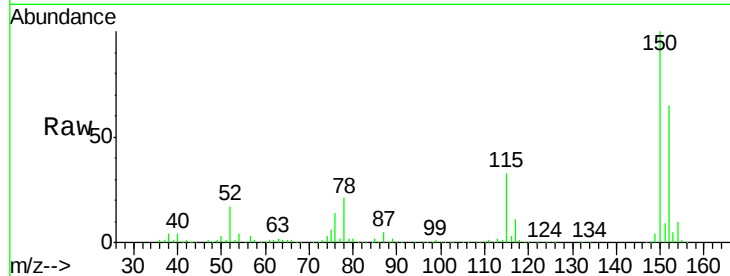
Tgt Ion:152 Resp: 156720

Ion Ratio Lower Upper

152 100

115 52.6 37.7 113.1

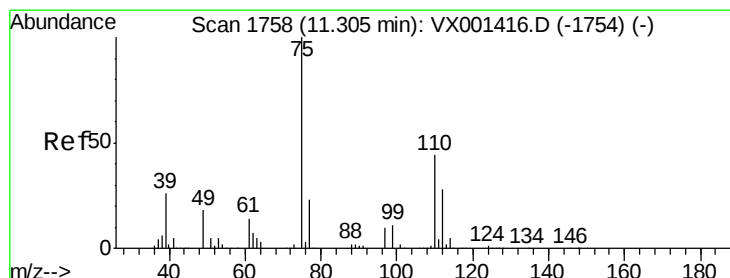
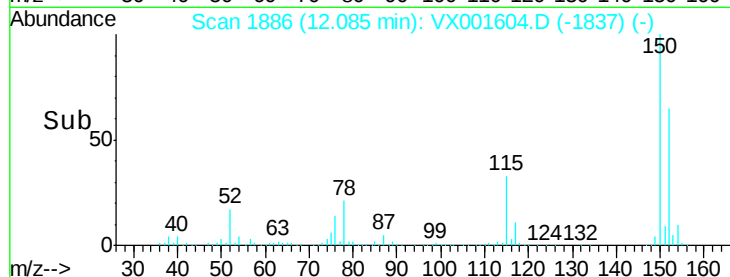
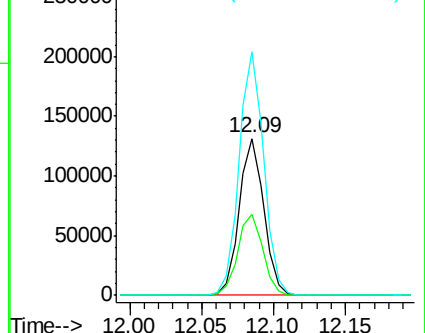
150 155.7 0.0 349.4



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: 27.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001604.D

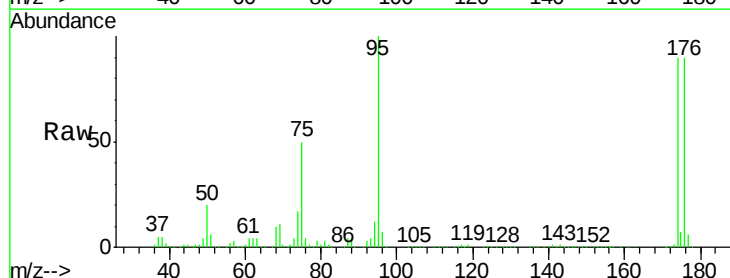
Acq: 10 May 2018 16:20

Tgt Ion: 75 Resp: 88418

Ion Ratio Lower Upper

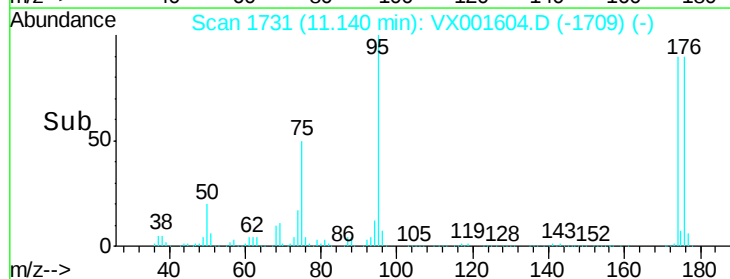
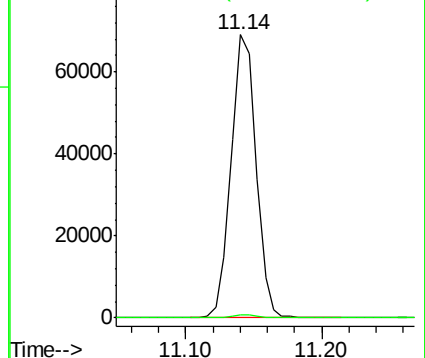
75 100

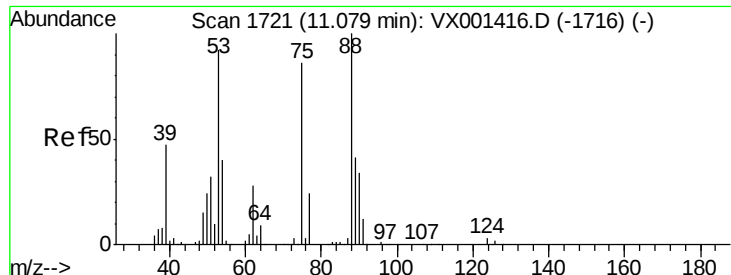
77 1.2 19.6 58.7#



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: 85.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001604.D

Acq: 10 May 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR1-0518

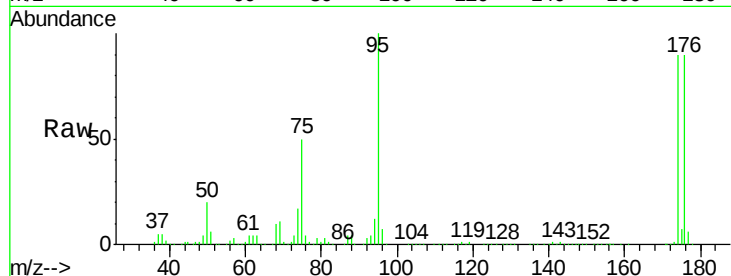
Tgt Ion: 75 Resp: 88418

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.1 39.5 59.3#



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

