

Data File : VX001606.D
Acq On : 10 May 2018 17:14
Operator : JC/MD
Sample : J2738-03 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR3-0518

Quant Time: May 11 06:57:09 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	234408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147874	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	196728	58.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.78%	
35) Dibromofluoromethane	5.51	113	154921	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
50) Toluene-d8	8.72	98	535196	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.15	95	175891	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	1279	Below Cal		90
10) Methyl Iodide	2.52	142	2231	0.55 ug/l #		95
11) Tert butyl alcohol	3.08	59	262	0.37 ug/l		99
13) Acrolein	2.29	56	83	Below Cal #		22
15) Acrylonitrile	3.15	53	523	0.33 ug/l #		67
16) Acetone	2.45	43	6285	4.11 ug/l		98
18) Methyl Acetate	2.78	43	6534	1.63 ug/l		95
20) Methylene Chloride	2.86	84	44772	14.78 ug/l		99
25) 2-Butanone	4.73	43	1831	0.83 ug/l #		85
29) Tetrahydrofuran	5.19	42	891	0.63 ug/l #		68
30) Chloroform	5.22	83	1941	0.37 ug/l #		78
31) Cyclohexane	5.67	56	4254	0.98 ug/l #		14
36) 1,1-Dichloropropene	5.67	75	15199	3.73 ug/l #		49
38) Carbon Tetrachloride	5.67	117	20731	4.77 ug/l #		17
54) cis-1,3-Dichloropropene	9.05	75	194	2.30 ug/l #		34
64) Tetrachloroethene	9.34	164	1034	0.27 ug/l #		92
76) 1,2,3-Trichloropropane	11.14	75	87008	29.01 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	87008	88.86 ug/l #		7
84) 1,2,4-Trimethylbenzene	11.81	105	2115	0.24 ug/l		90
95) Naphthalene	13.84	128	74867	6.83 ug/l		99

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

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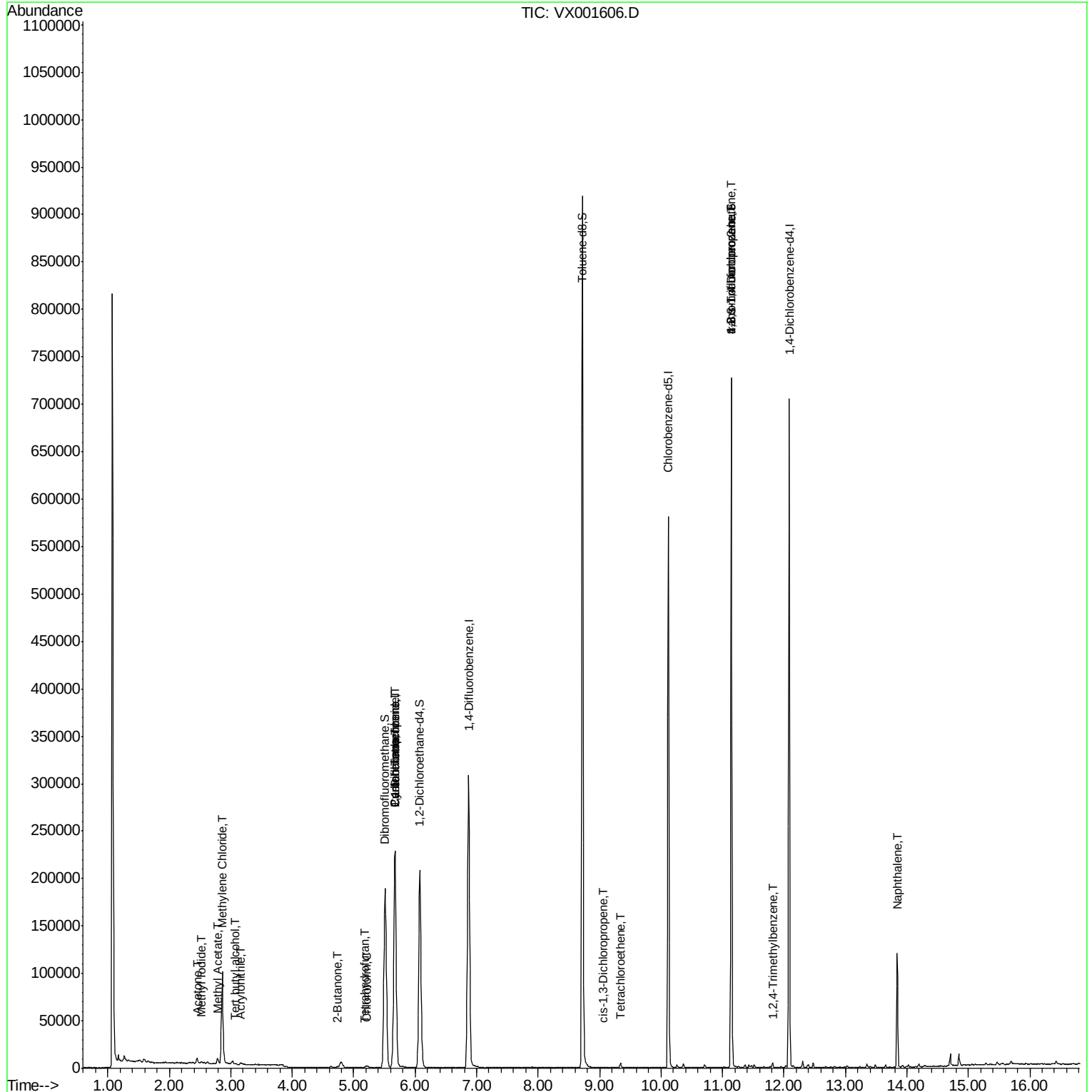
Quant Time: May 11 06:57:09 2018

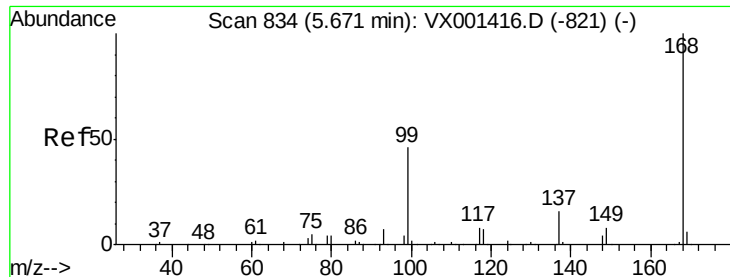
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

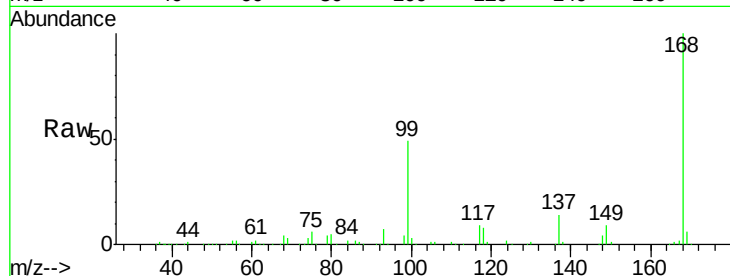
CB-TCLP-VAR3-0518

Tgt Ion:168 Resp: 234408

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

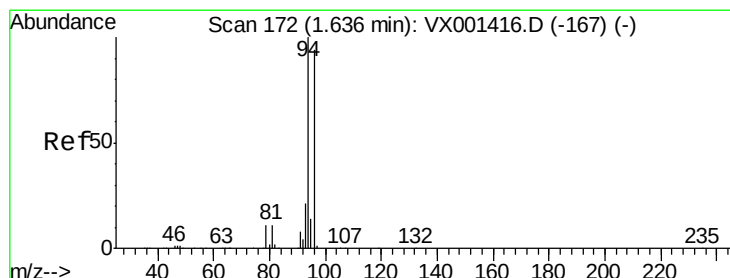
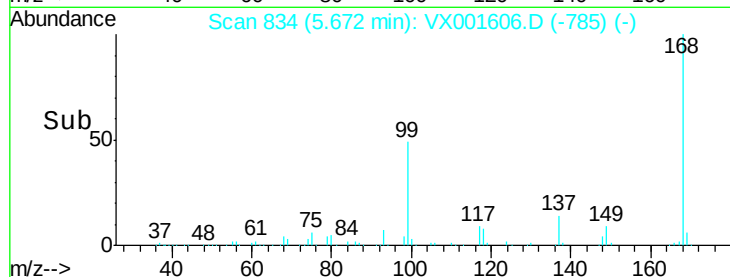
60000

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: VX001606.D

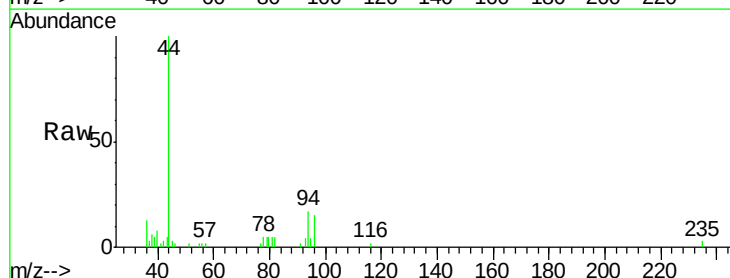
Acq: 10 May 2018 17:14

Tgt Ion: 94 Resp: 1279

Ion Ratio Lower Upper

94 100

96 83.9 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

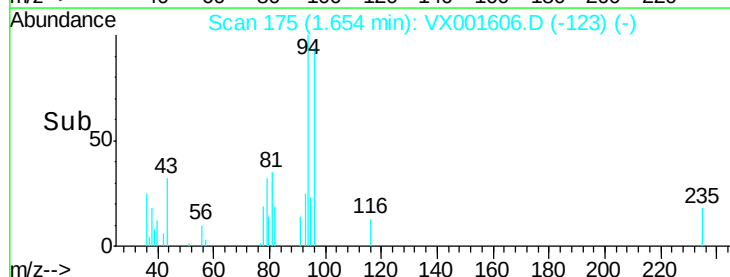
600

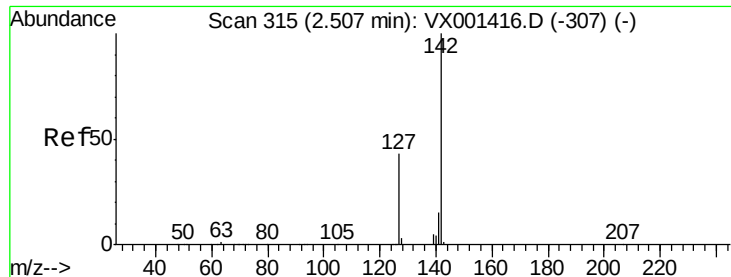
400

200

0

Time--> 1.60 1.65 1.70

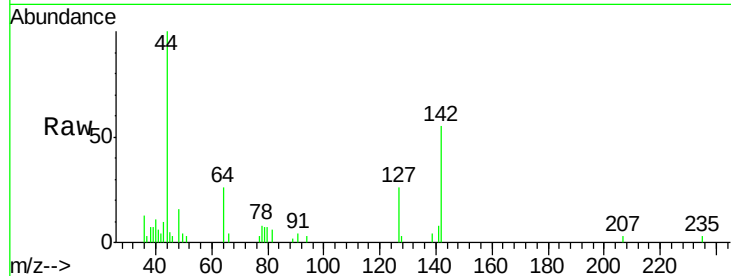




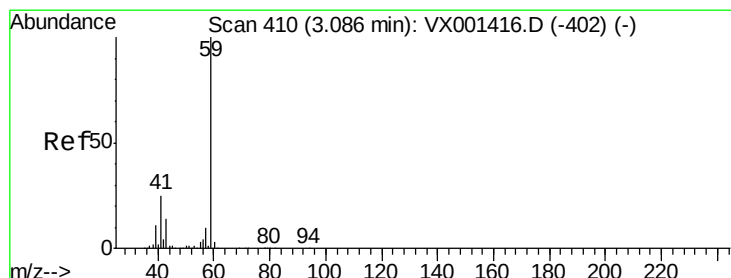
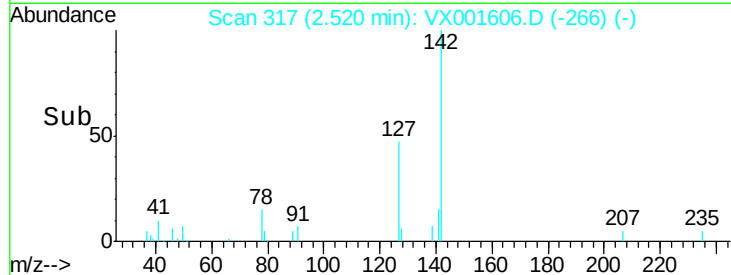
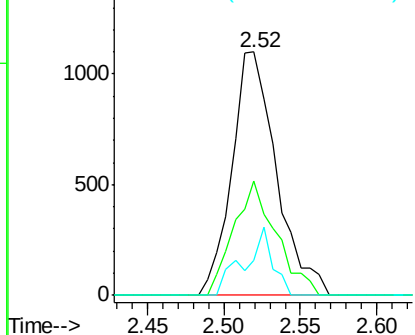
#10
Methyl Iodide
Concen: 0.55 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR3-0518

Tgt Ion: 142 Resp: 2231
Ion Ratio Lower Upper
142 100
127 44.6 33.6 50.4
141 17.5 11.4 17.2#

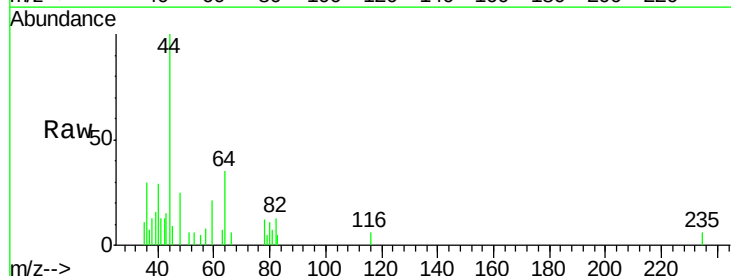


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

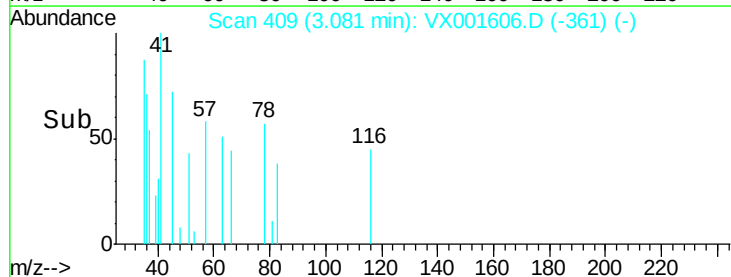
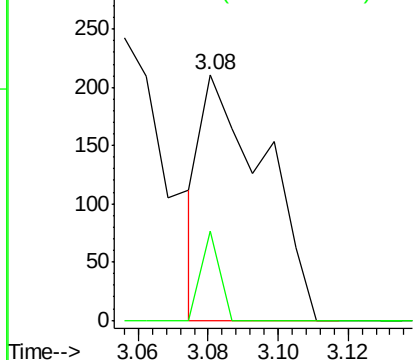


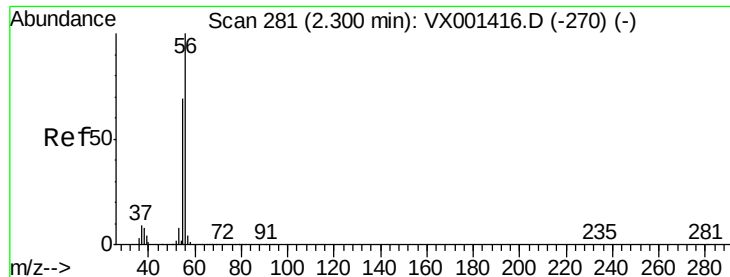
#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

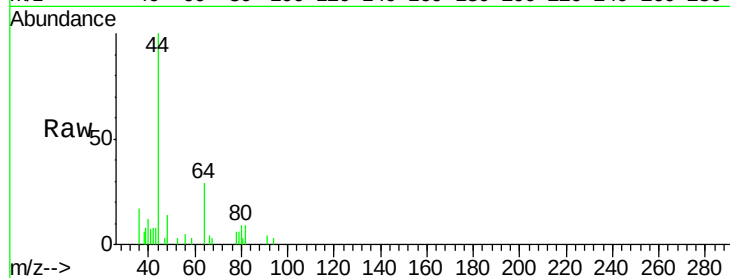
CB-TCLP-VAR3-0518

Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

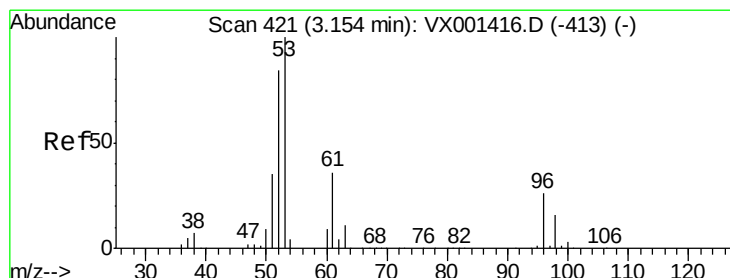
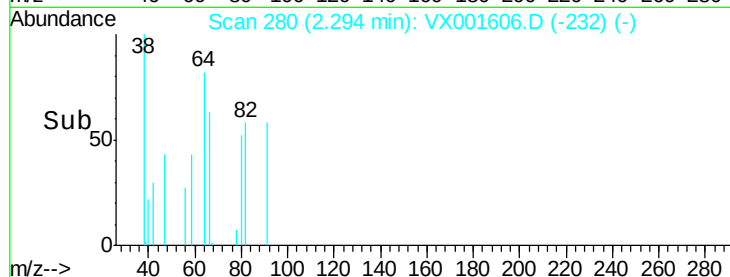
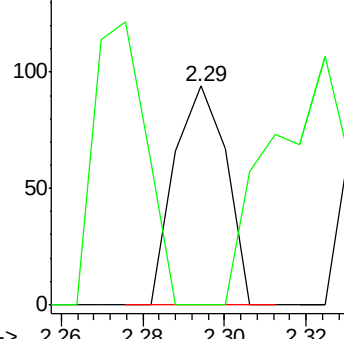
56 100

55 131.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

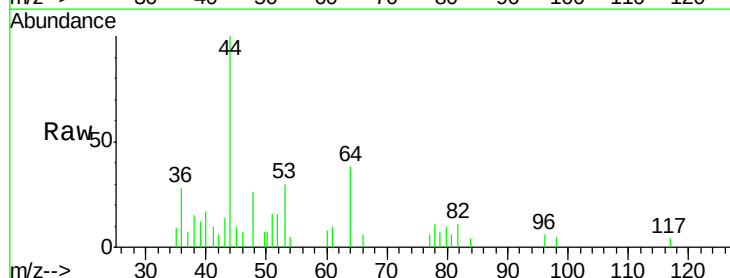
Tgt Ion: 53 Resp: 523

Ion Ratio Lower Upper

53 100

52 89.3 66.2 99.2

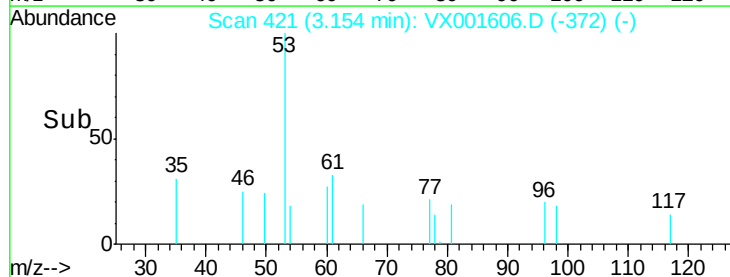
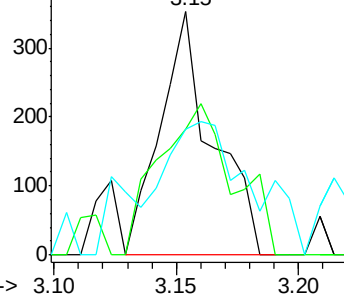
51 89.9 28.6 43.0#

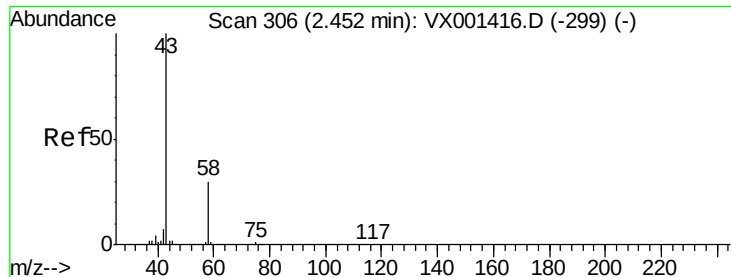


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 4.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

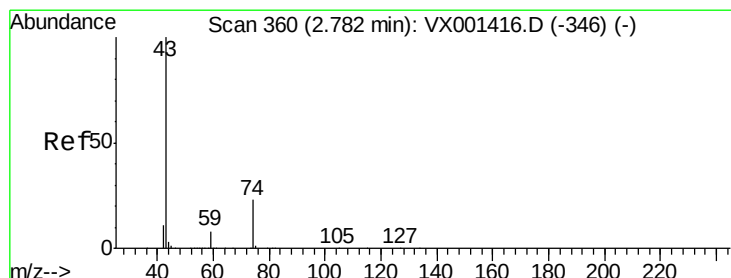
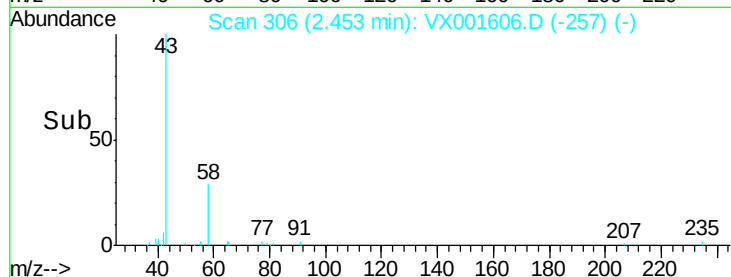
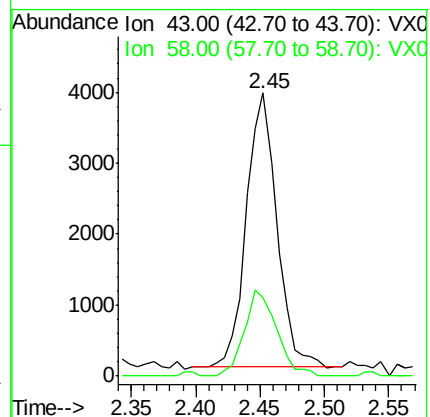
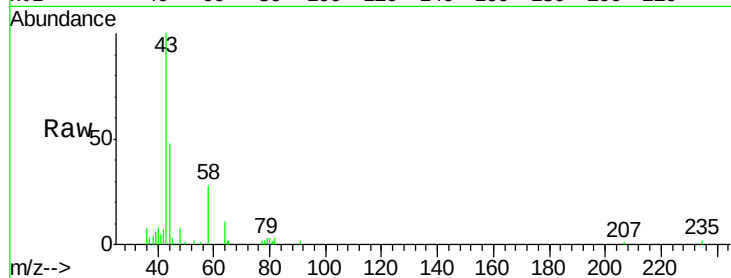
CB-TCLP-VAR3-0518

Tgt Ion: 43 Resp: 6285

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.8



#18

Methyl Acetate

Concen: 1.63 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001606.D

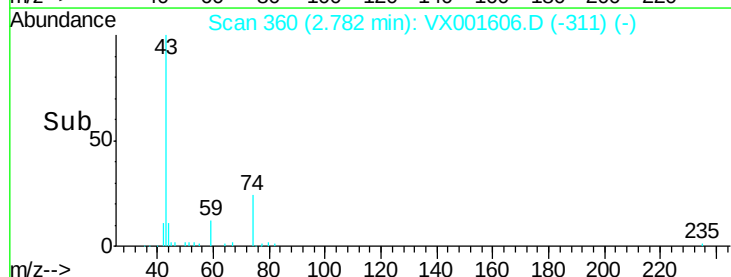
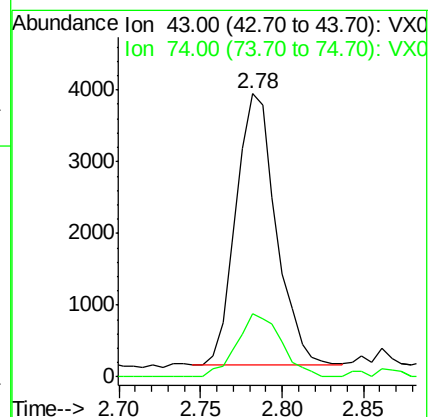
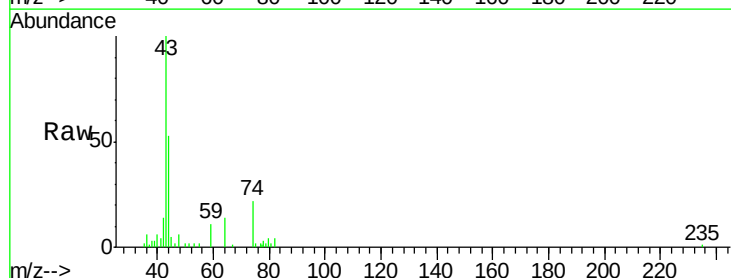
Acq: 10 May 2018 17:14

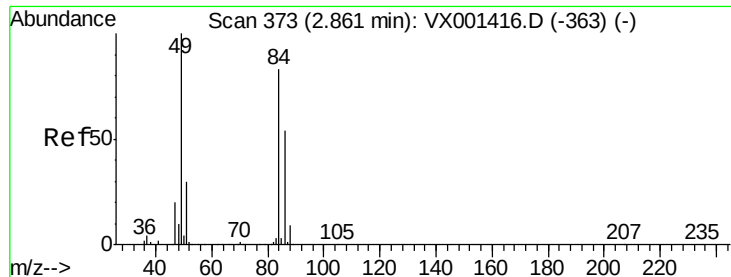
Tgt Ion: 43 Resp: 6534

Ion Ratio Lower Upper

43 100

74 25.5 18.6 27.8

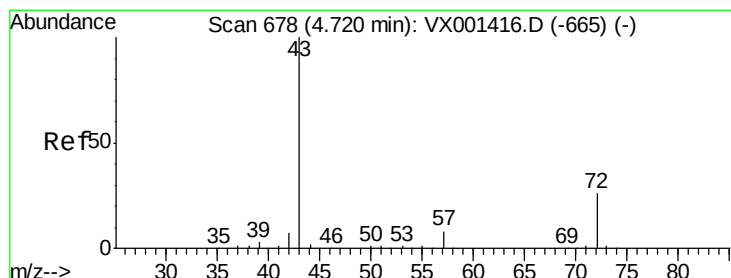
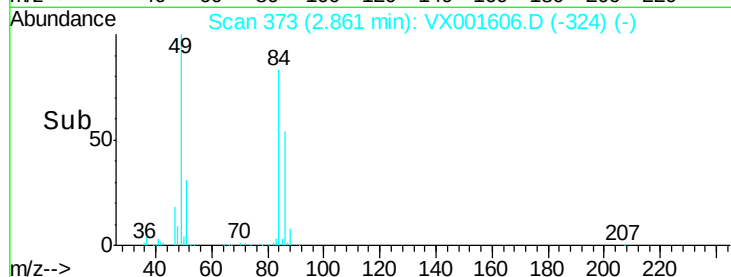
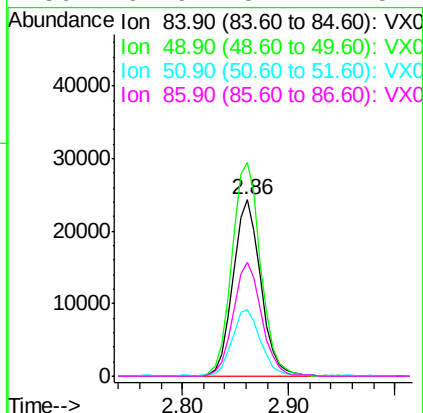
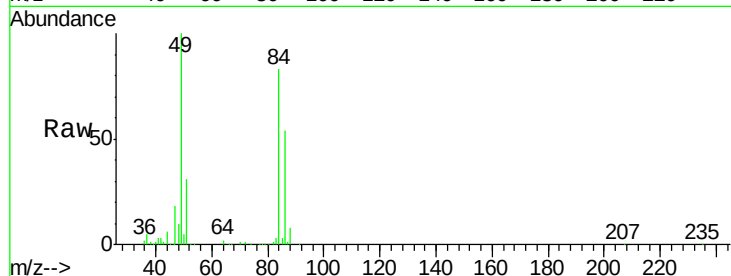




#20
Methylene Chloride
Concen: 14.78 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

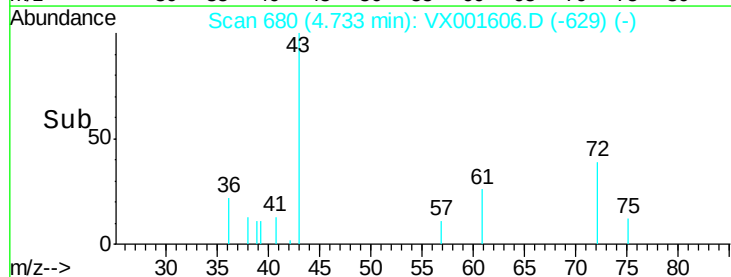
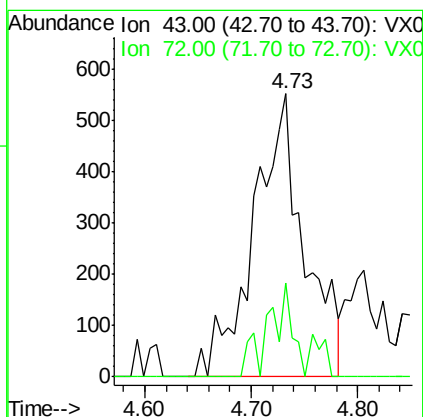
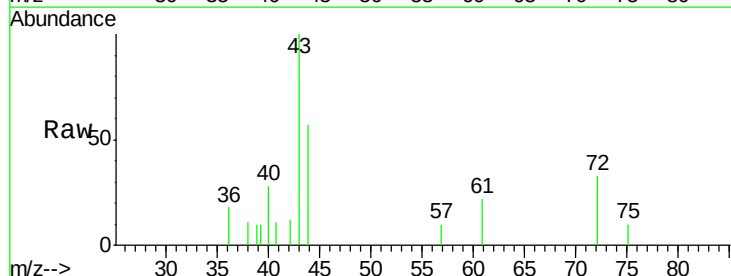
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR3-0518

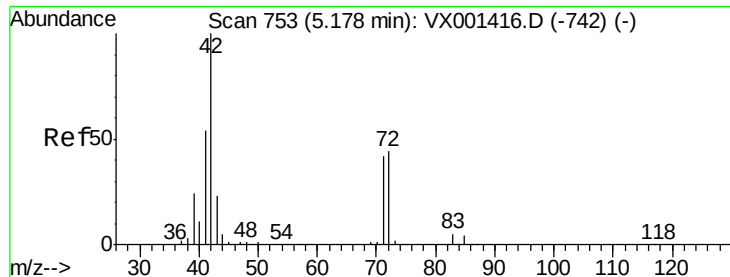
Tgt Ion:	84	Resp:	44772
Ion	Ratio	Lower	Upper
84	100		
49	121.1	96.6	144.8
51	37.5	29.0	43.4
86	64.9	52.2	78.4



#25
2-Butanone
Concen: 0.83 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

Tgt Ion:	43	Resp:	1831
Ion	Ratio	Lower	Upper
43	100		
72	33.3	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR3-0518

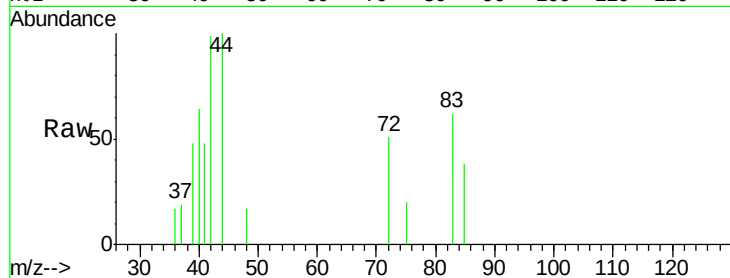
Tgt Ion: 42 Resp: 891

Ion Ratio Lower Upper

42 100

72 31.4 35.4 53.2#

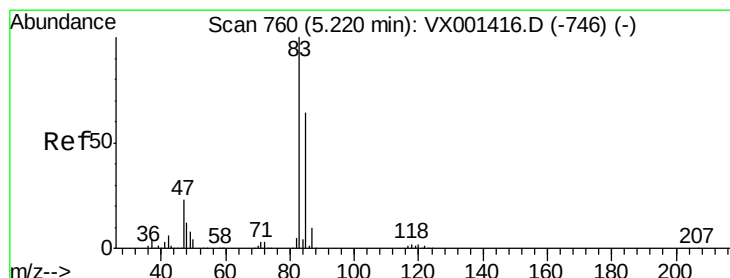
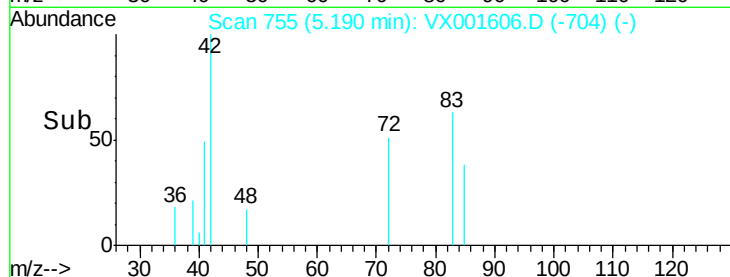
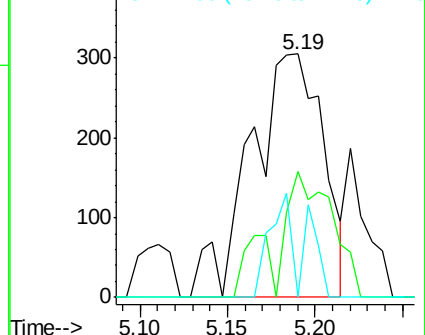
71 12.5 33.0 49.4#



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



#30

Chloroform

Concen: 0.37 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001606.D

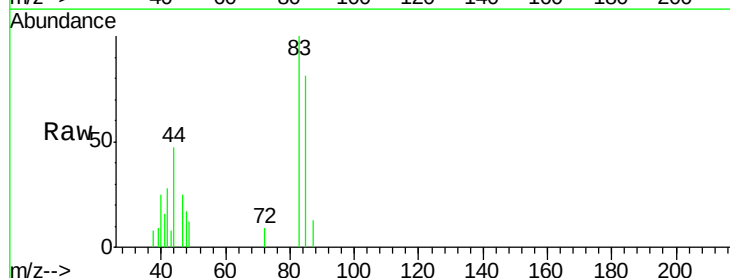
Acq: 10 May 2018 17:14

Tgt Ion: 83 Resp: 1941

Ion Ratio Lower Upper

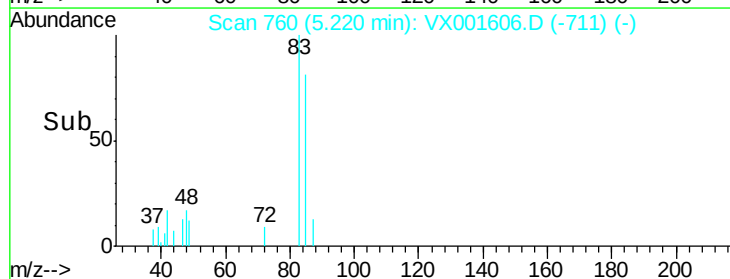
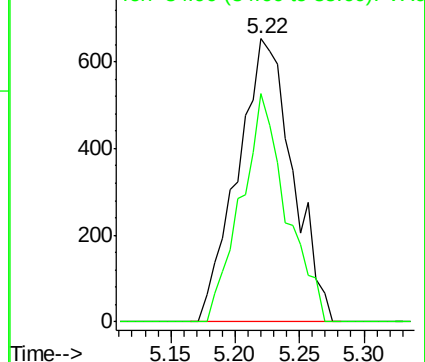
83 100

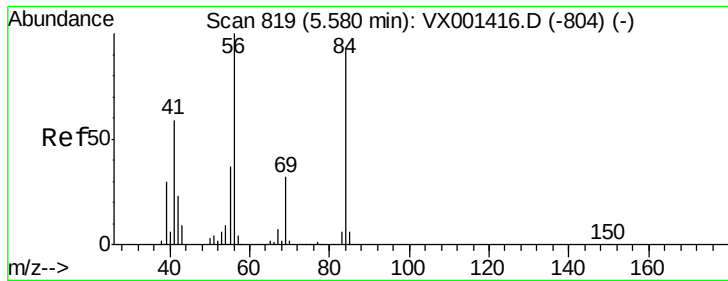
85 80.7 51.0 76.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR3-0518

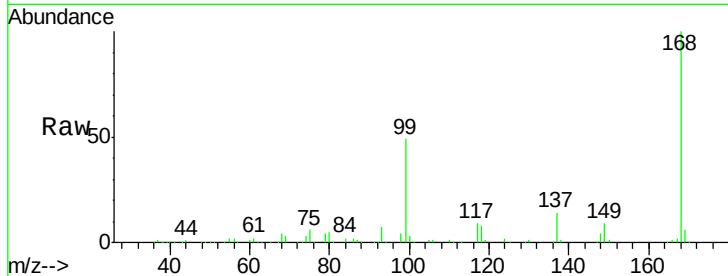
Tgt Ion: 56 Resp: 4254

Ion Ratio Lower Upper

56 100

69 161.6 25.4 38.0#

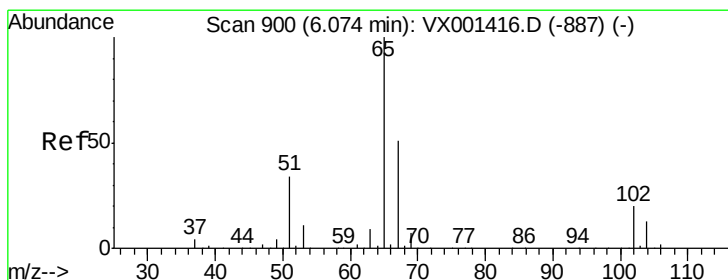
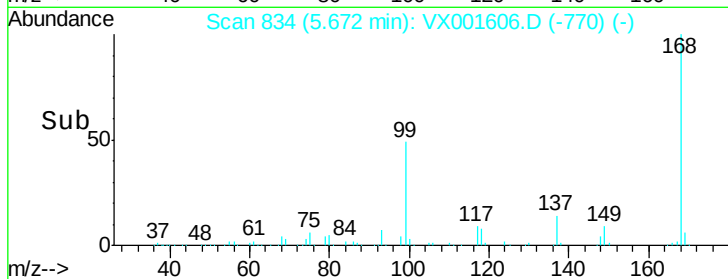
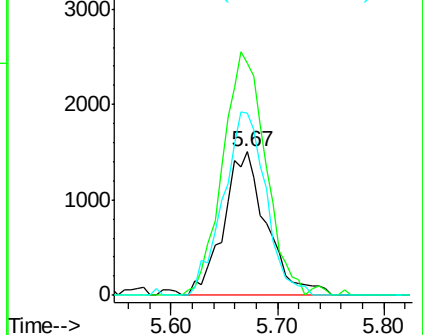
84 126.5 73.8 110.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 58.39 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001606.D

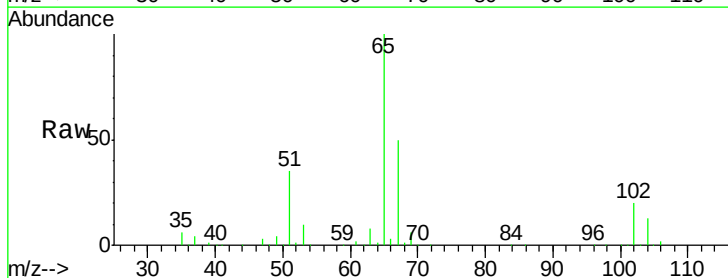
Acq: 10 May 2018 17:14

Tgt Ion: 65 Resp: 196728

Ion Ratio Lower Upper

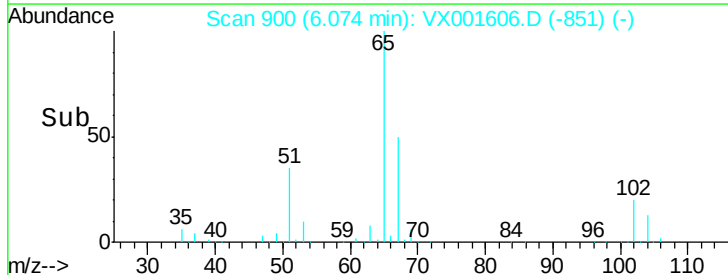
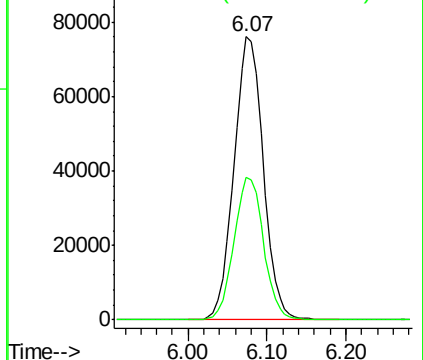
65 100

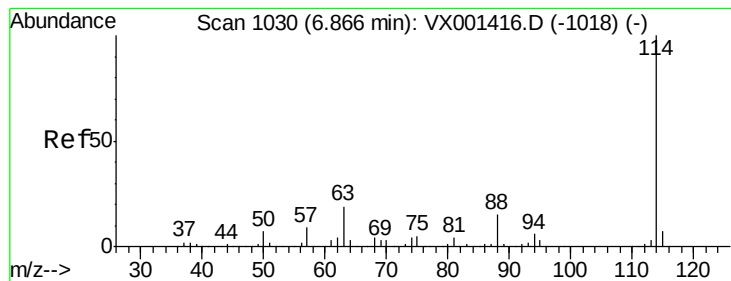
67 50.8 0.0 101.8



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: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR3-0518

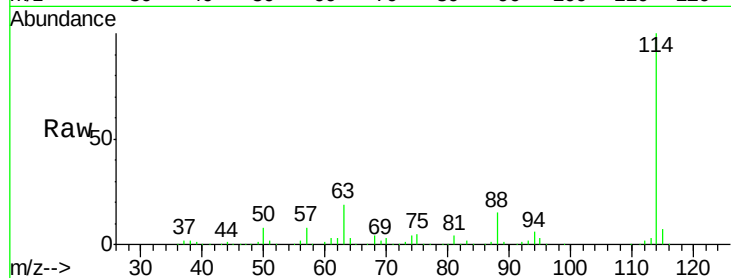
Tgt Ion:114 Resp: 320513

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

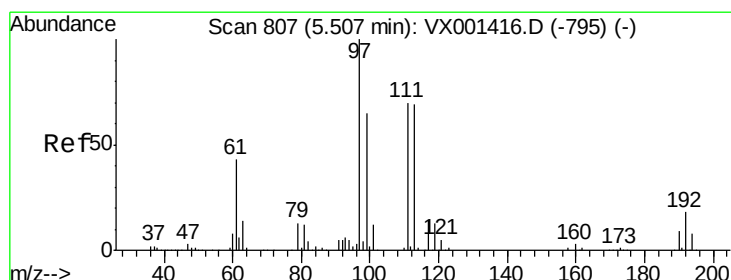
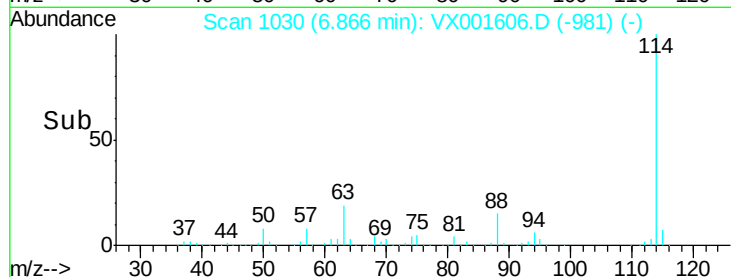
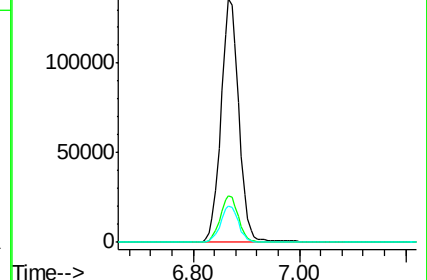
88 15.0 0.0 30.8



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: 54.34 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

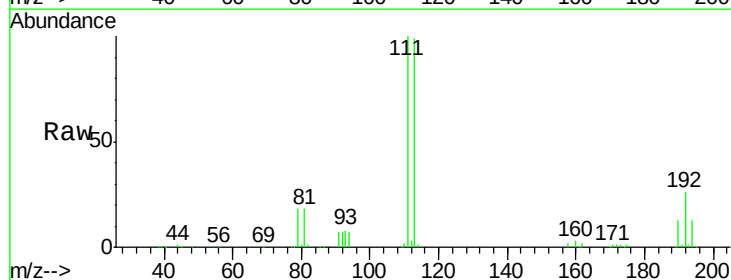
Tgt Ion:113 Resp: 154921

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

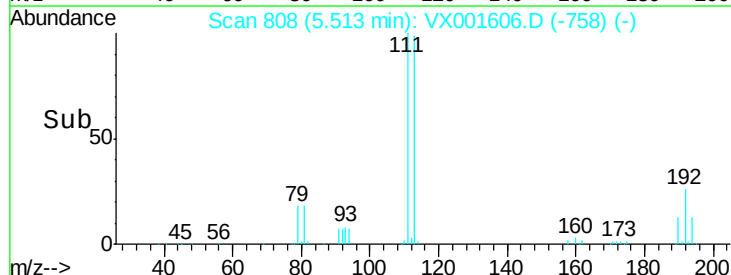
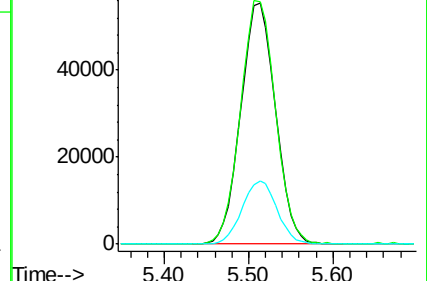
192 26.4 21.4 32.0

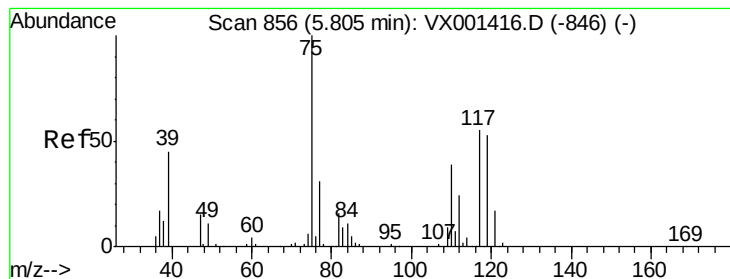


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.73 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR3-0518

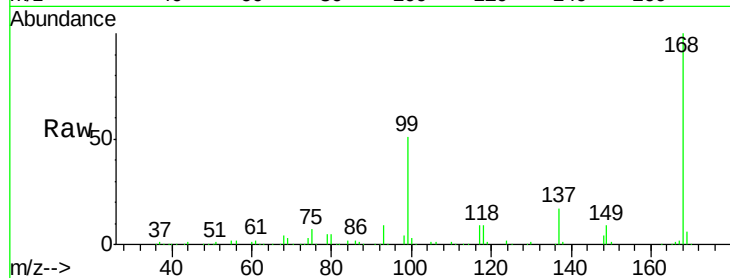
Tgt Ion: 75 Resp: 15199

Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.7#

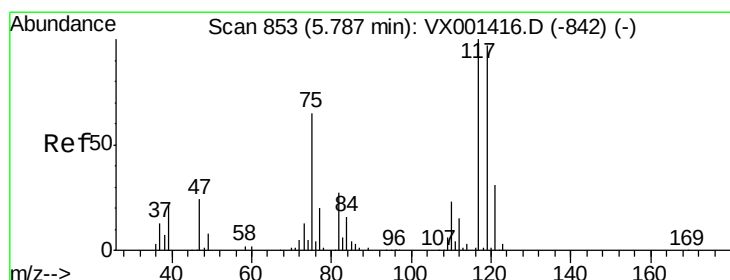
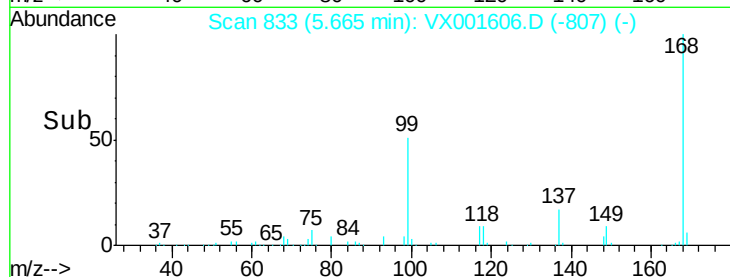
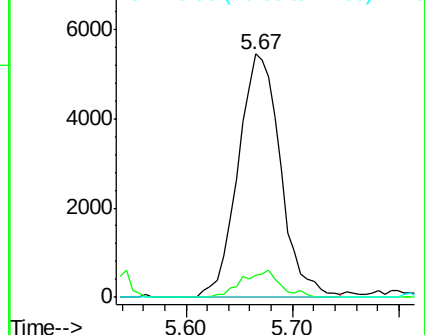
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

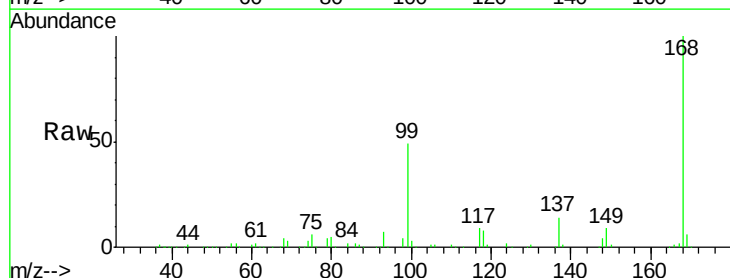
Tgt Ion: 117 Resp: 20731

Ion Ratio Lower Upper

117 100

119 6.1 77.0 115.6#

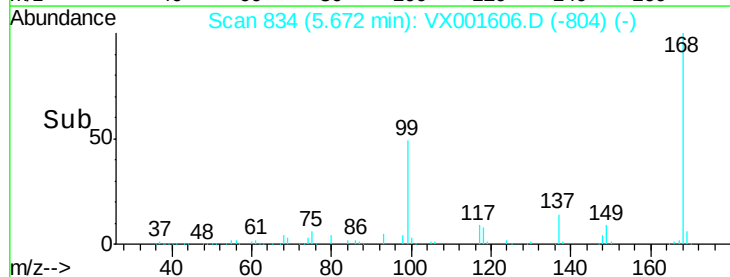
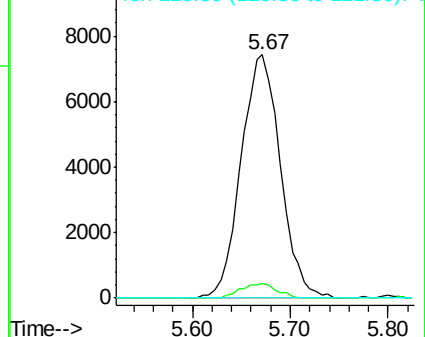
121 0.0 25.1 37.7#

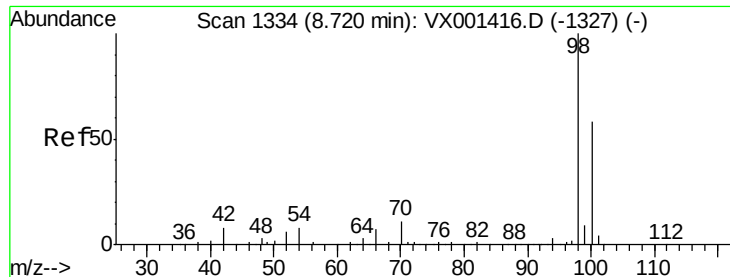


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.43 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

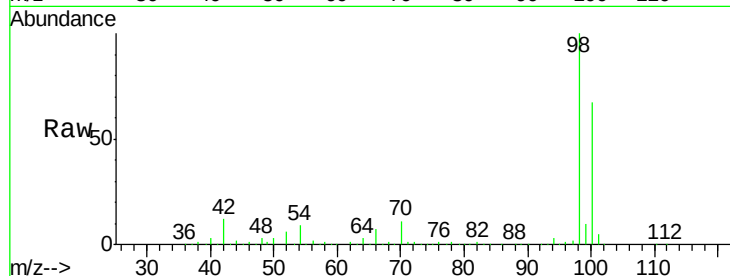
CB-TCLP-VAR3-0518

Tgt Ion: 98 Resp: 535196

Ion Ratio Lower Upper

98 100

100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

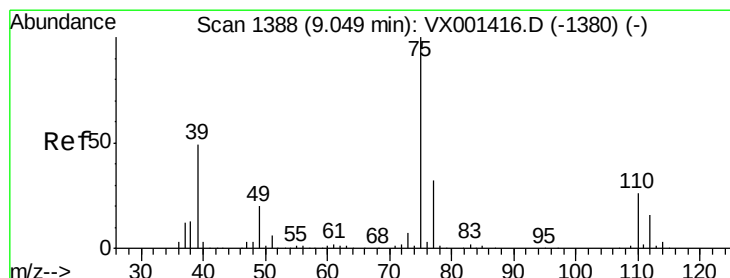
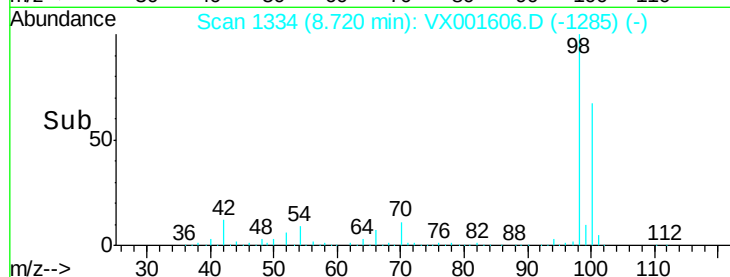
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#54

cis-1,3-Dichloropropene

Concen: 2.30 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

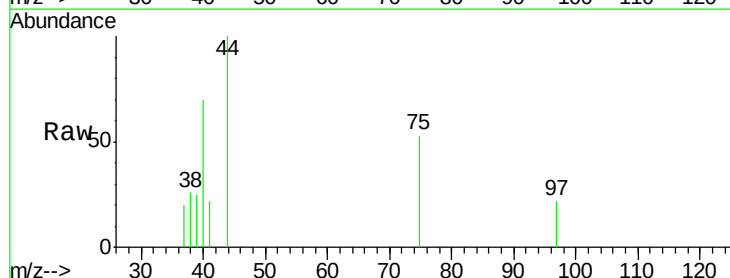
Tgt Ion: 75 Resp: 194

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200

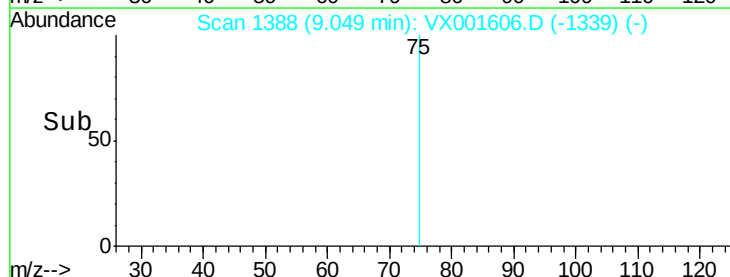
150

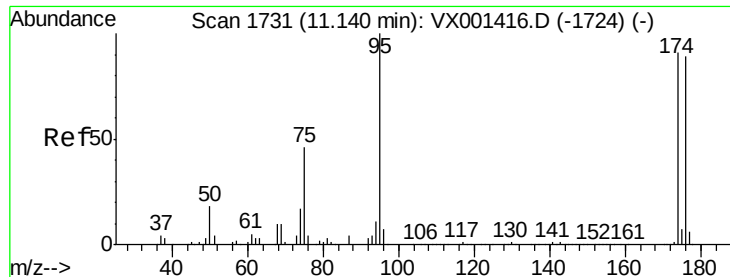
100

50

0

Time--> 9.00 9.05 9.10





#62

4-Bromofluorobenzene

Concen: 44.03 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR3-0518

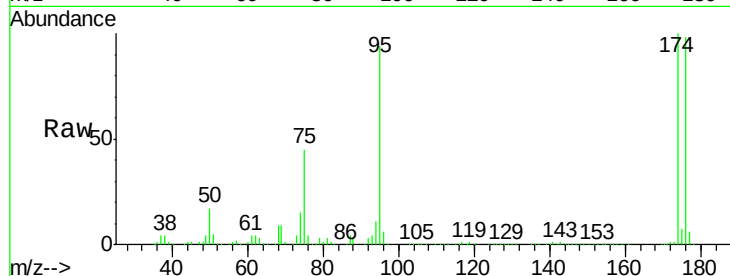
Tgt Ion: 95 Resp: 175891

Ion Ratio Lower Upper

95 100

174 100.7 0.0 202.0

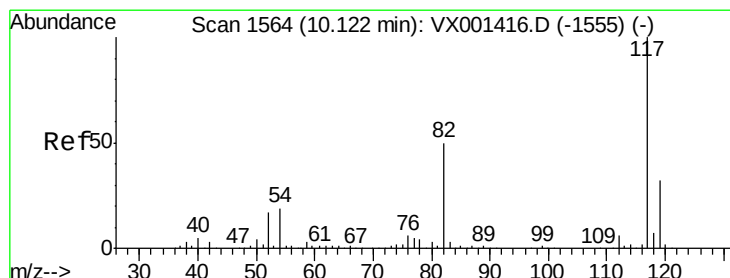
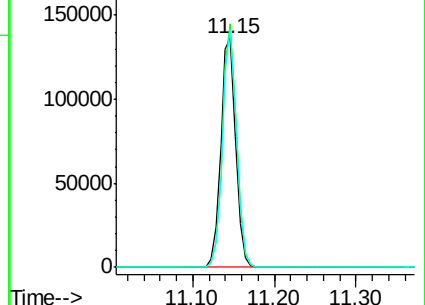
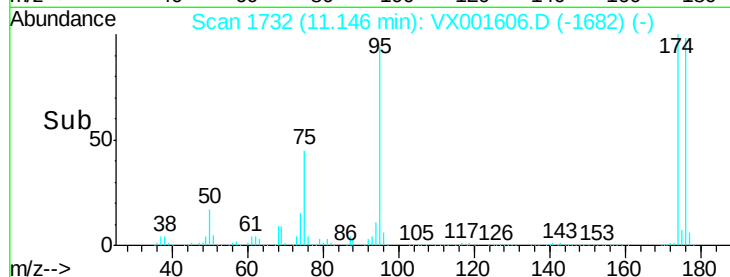
176 98.1 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX001606.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001606.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001606.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001606.D

Acq: 10 May 2018 17:14

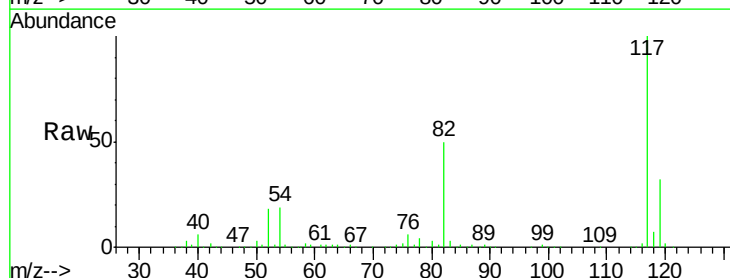
Tgt Ion: 117 Resp: 276733

Ion Ratio Lower Upper

117 100

82 49.7 40.0 60.0

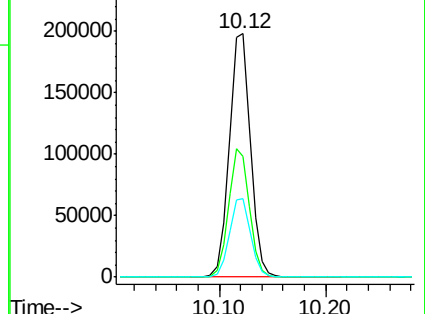
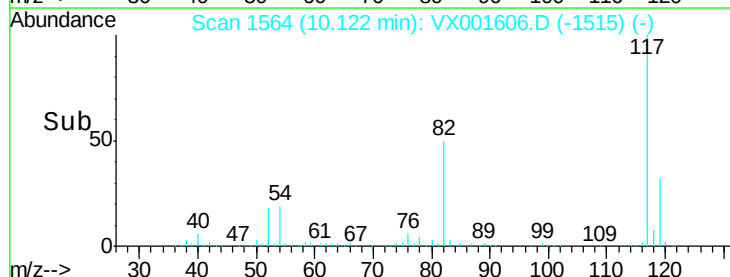
119 32.0 25.8 38.8

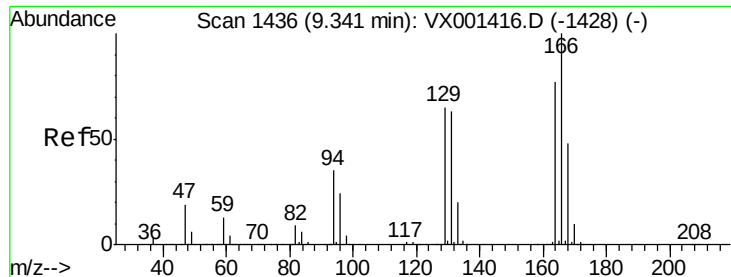


Abundance Ion 116.90 (116.60 to 117.60): VX001606.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001606.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001606.D (-1515) (-)

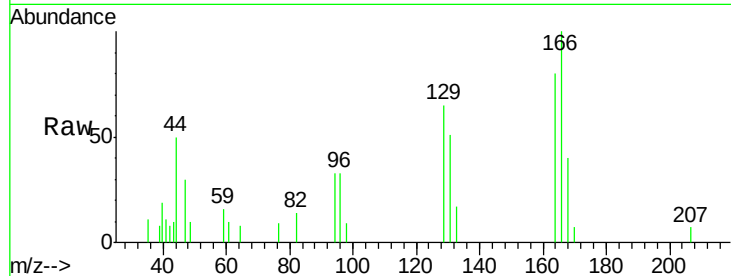




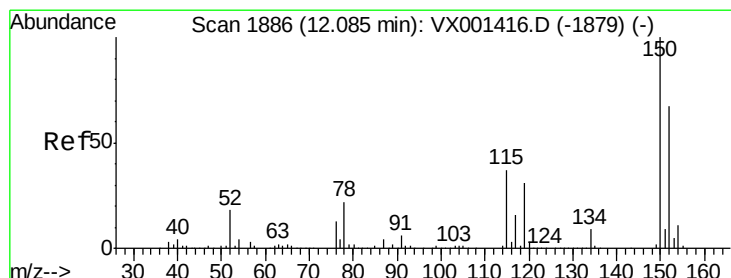
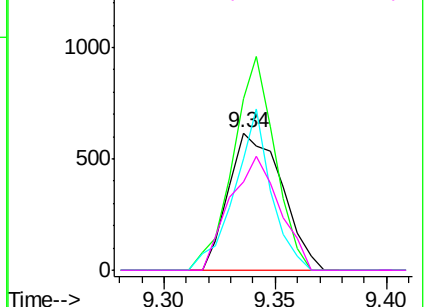
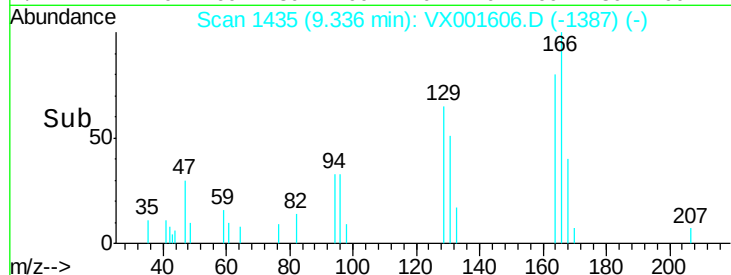
#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR3-0518

Tgt Ion:164 Resp: 1034
Ion Ratio Lower Upper
164 100
166 125.0 103.5 155.3
129 81.4 66.7 100.1
131 64.2 64.9 97.3#

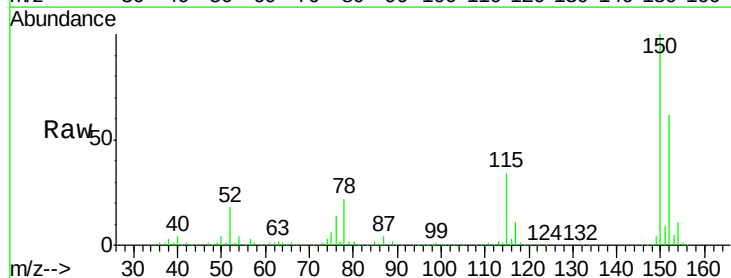


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

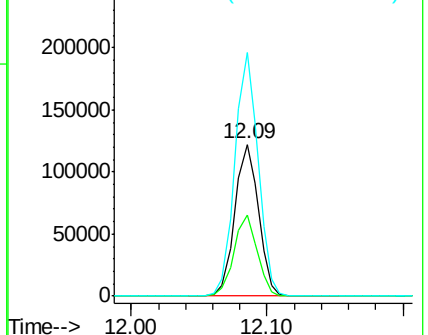
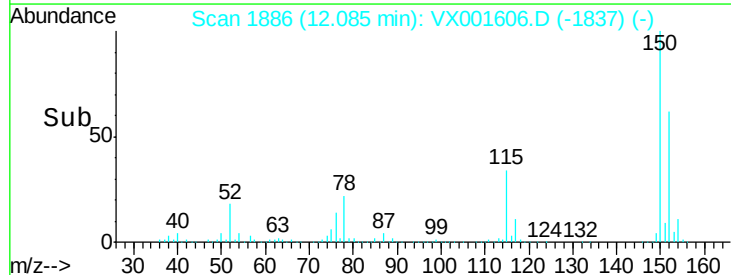


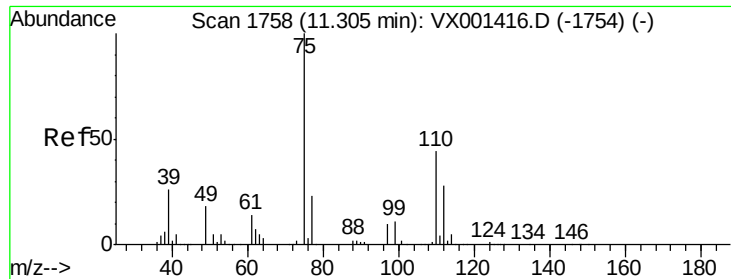
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001606.D
Acq: 10 May 2018 17:14

Tgt Ion:152 Resp: 147874
Ion Ratio Lower Upper
152 100
115 52.9 37.7 113.1
150 158.2 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

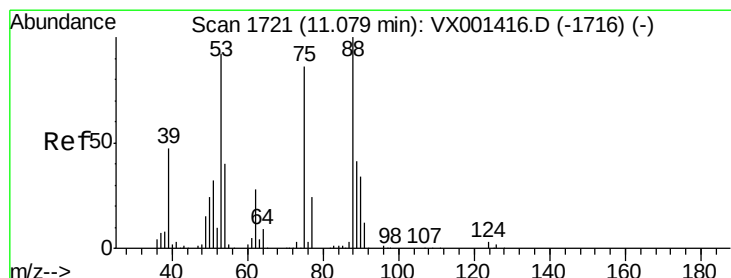
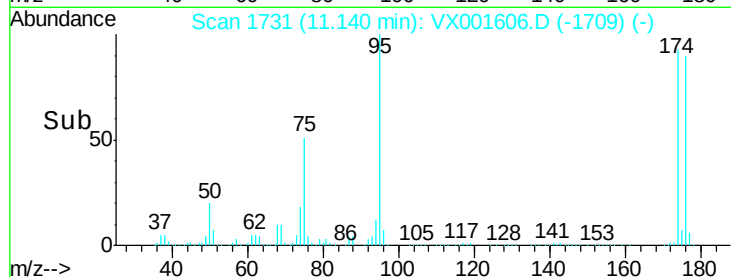
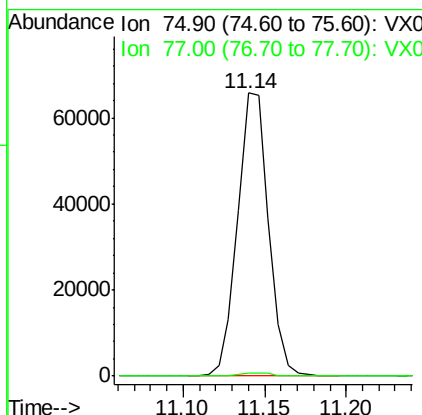
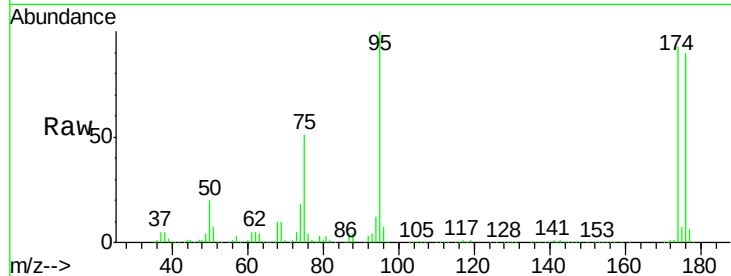




#76
 1,2,3-Trichloropropane
 Concen: 29.01 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001606.D
 Acq: 10 May 2018 17:14

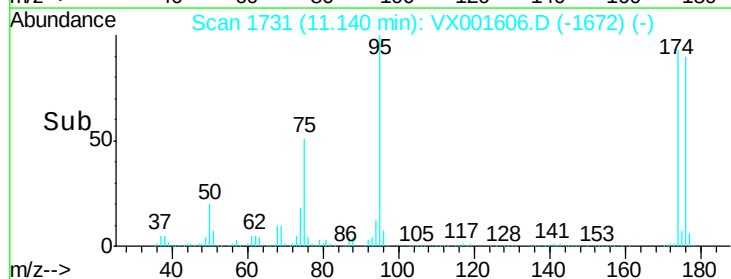
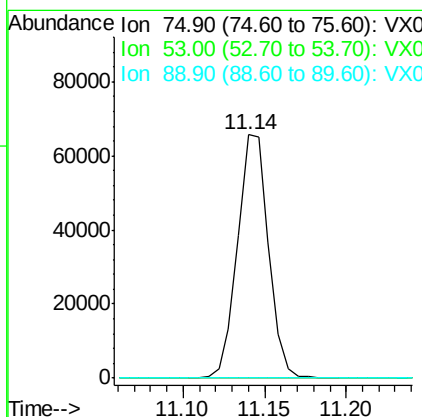
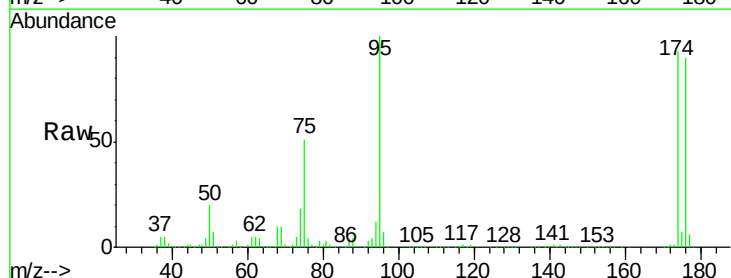
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR3-0518

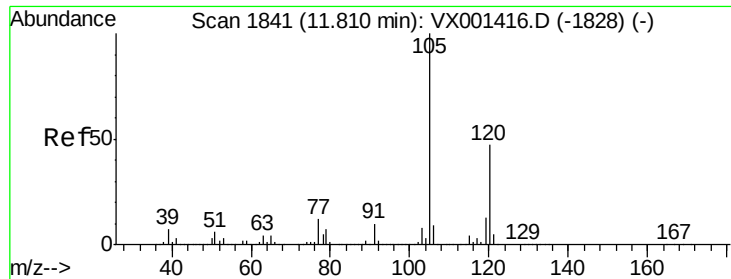
Tgt Ion: 75 Resp: 87008
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.86 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001606.D
 Acq: 10 May 2018 17:14

Tgt Ion: 75 Resp: 87008
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.1 39.5 59.3#

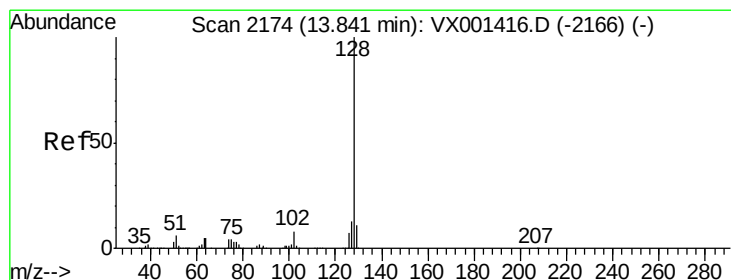
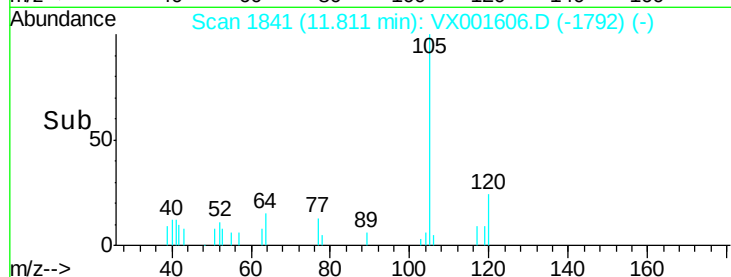
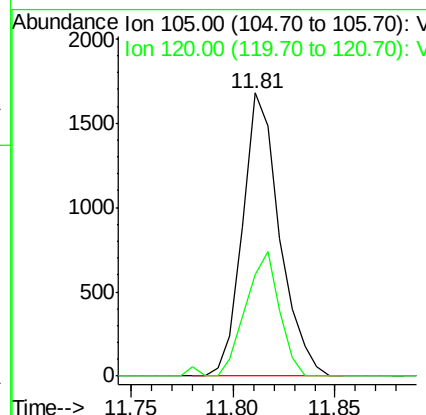
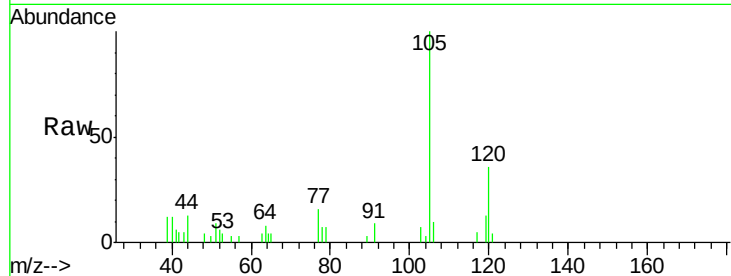




#84
 1,2,4-Trimethylbenzene
 Concen: 0.24 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001606.D
 Acq: 10 May 2018 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR3-0518

Tgt Ion:105 Resp: 2115
 Ion Ratio Lower Upper
 105 100
 120 40.0 23.4 70.2



#95
 Naphthalene
 Concen: 6.83 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001606.D
 Acq: 10 May 2018 17:14

Tgt Ion:128 Resp: 74867
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.4 15.6
 129 11.1 8.7 13.1

