

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001496.D
 Acq On : 08 May 2018 05:33
 Operator : JC/MD
 Sample : J2738-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: May 08 06:17:41 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	283531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	196847	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	187070	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
35) Dibromofluoromethane	5.51	113	145150	42.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.30%	
50) Toluene-d8	8.72	98	535665	43.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	11.14	95	181212	38.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.00%	

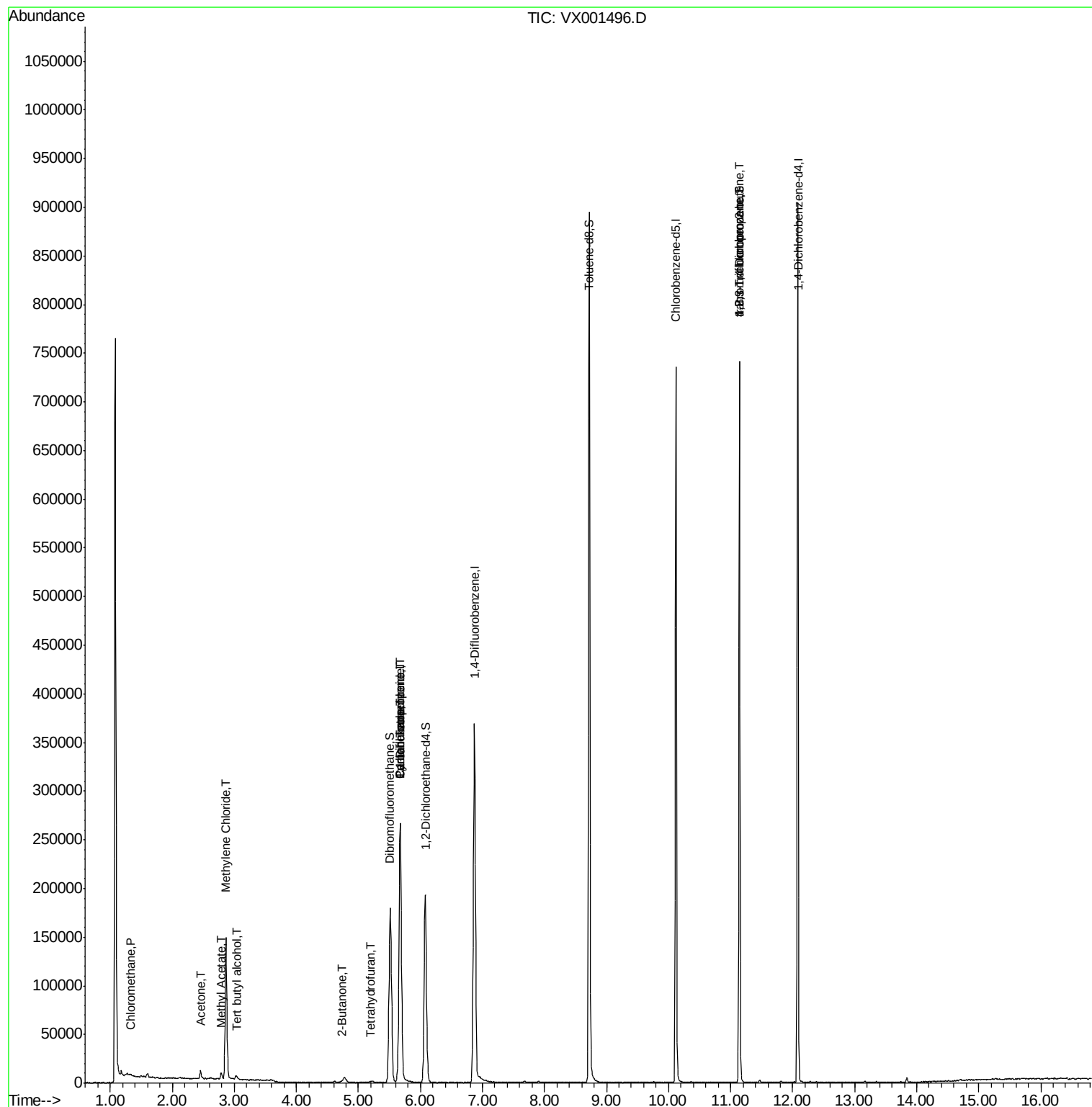
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1311	0.35	ug/l	97
5) Bromomethane	1.60	94	70	Below Cal	#	3
11) Tert butyl alcohol	3.03	59	2970	3.46	ug/l	77
13) Acrolein	2.33	56	26	Below Cal	#	1
16) Acetone	2.45	43	9000	4.86	ug/l	99
18) Methyl Acetate	2.79	43	7523	1.55	ug/l	96
20) Methylene Chloride	2.87	84	68038	18.57	ug/l	95
25) 2-Butanone	4.73	43	1626	0.61	ug/l	90
29) Tetrahydrofuran	5.18	42	880	0.51	ug/l	61
31) Cyclohexane	5.67	56	4936	0.94	ug/l	1
36) 1,1-Dichloropropene	5.67	75	17597	3.62	ug/l	50
38) Carbon Tetrachloride	5.67	117	24647	4.75	ug/l	15
76) 1,2,3-Trichloropropane	11.14	75	90501	22.67	ug/l	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90501	70.37	ug/l	7

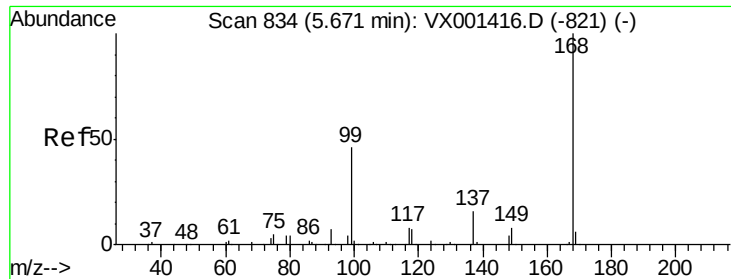
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

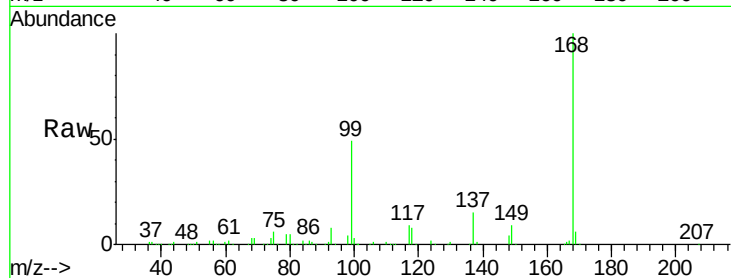
CB-TCLP-VAR1-0518

Tgt Ion:168 Resp: 283531

Ion Ratio Lower Upper

168 100

99 49.0 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

100000

80000

60000

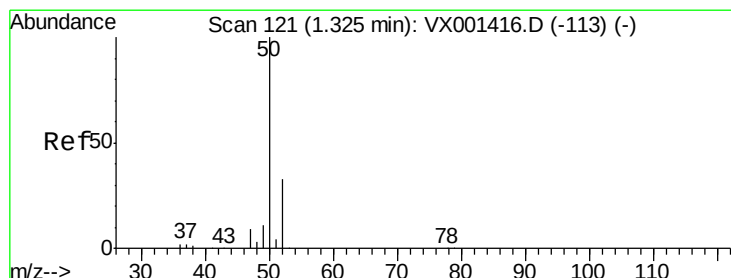
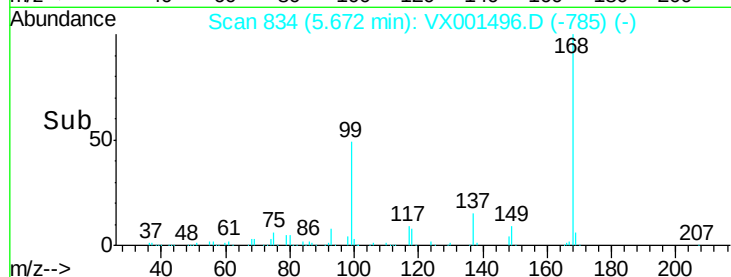
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001496.D

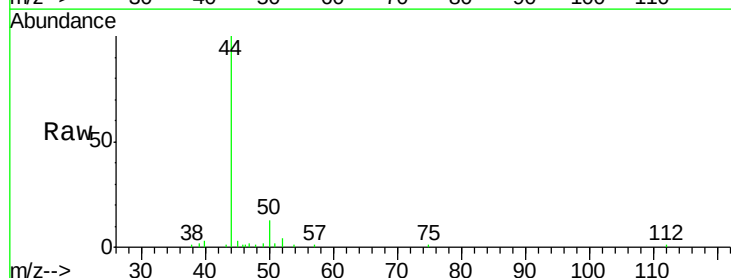
Acq: 08 May 2018 05:33

Tgt Ion: 50 Resp: 1311

Ion Ratio Lower Upper

50 100

52 30.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

600

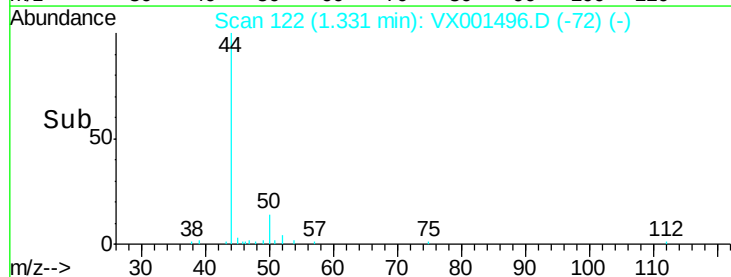
400

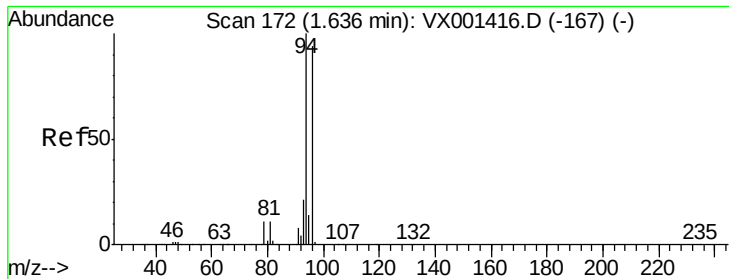
200

0

1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 166

Delta R.T. -0.04 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

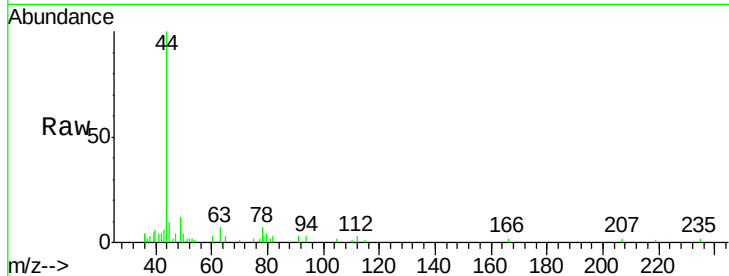
CB-TCLP-VAR1-0518

Tgt Ion: 94 Resp: 70

Ion Ratio Lower Upper

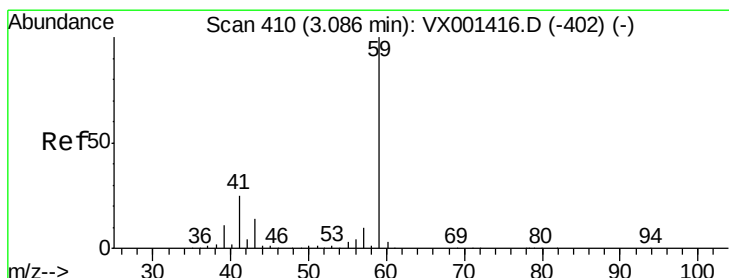
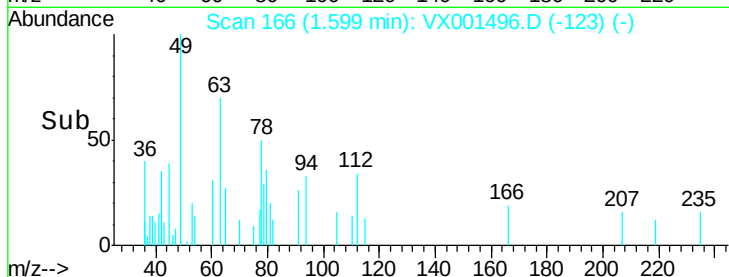
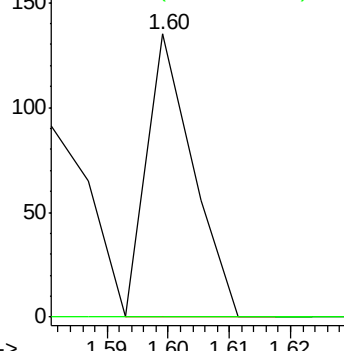
94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 3.46 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.05 min

Lab File: VX001496.D

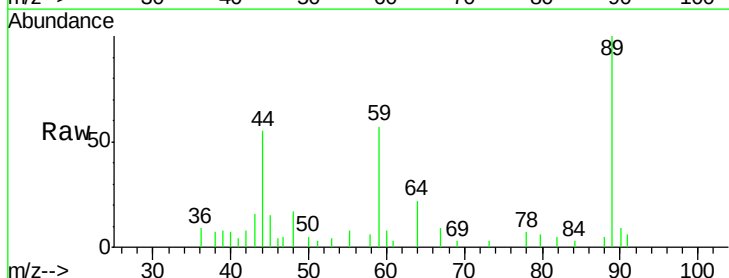
Acq: 08 May 2018 05:33

Tgt Ion: 59 Resp: 2970

Ion Ratio Lower Upper

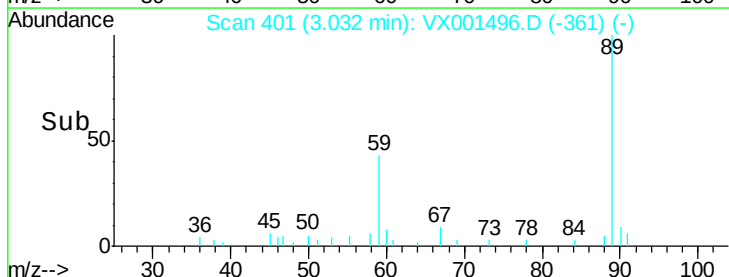
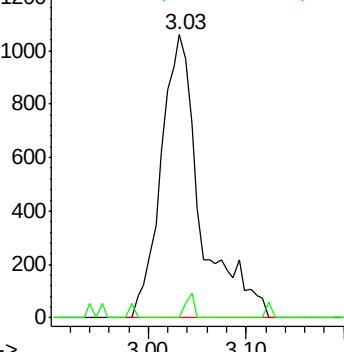
59 100

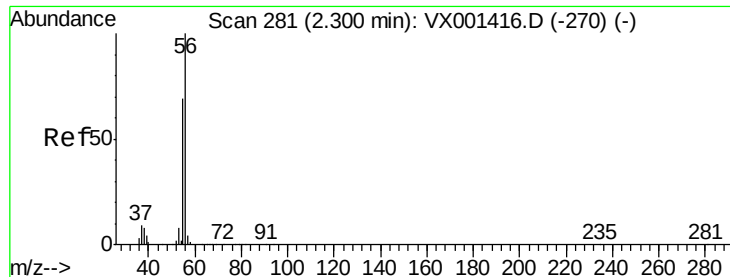
57 1.8 8.2 12.4#



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: 2.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

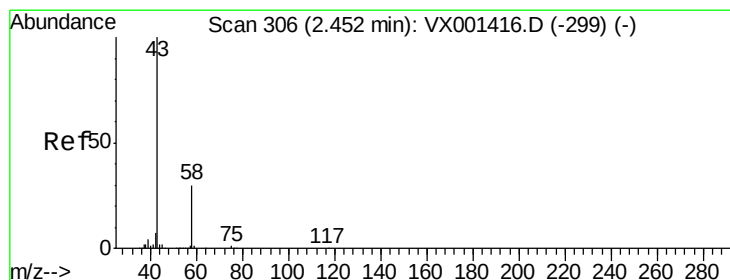
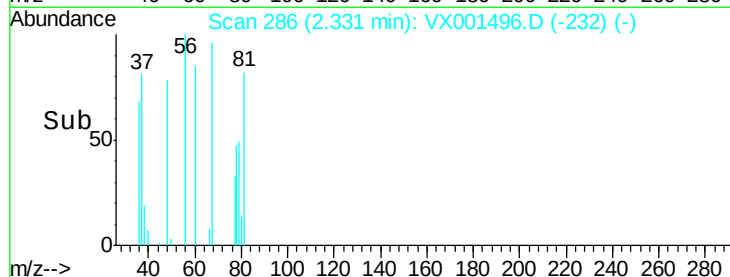
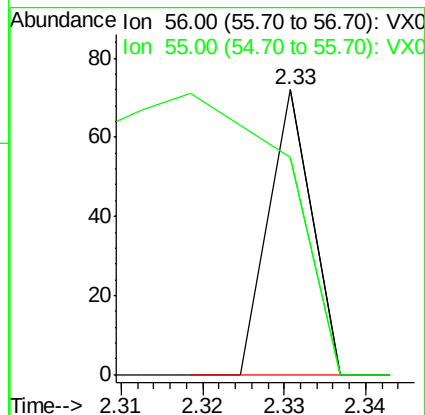
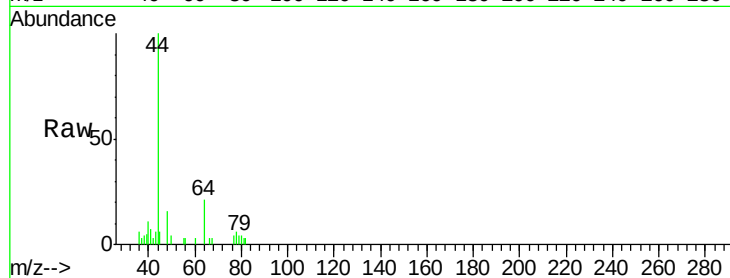
CB-TCLP-VAR1-0518

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 450.0 54.5 81.7#



#16

Acetone

Concen: 4.86 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001496.D

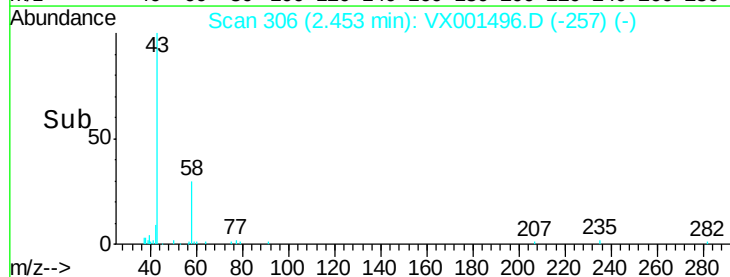
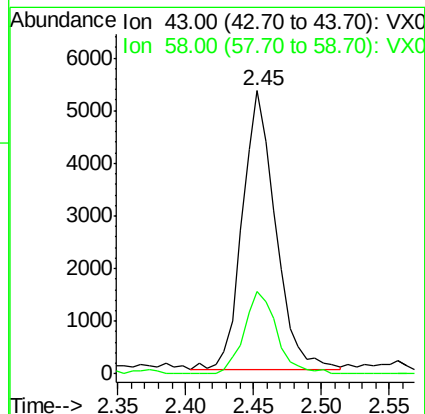
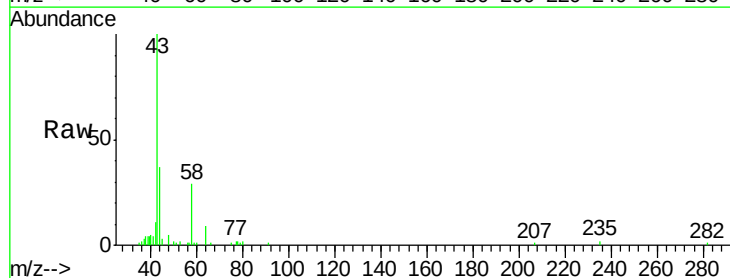
Acq: 08 May 2018 05:33

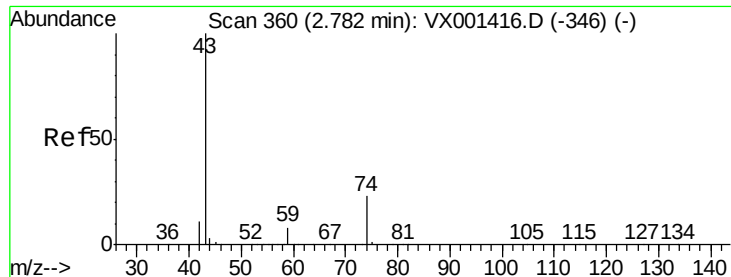
Tgt Ion: 43 Resp: 9000

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.8

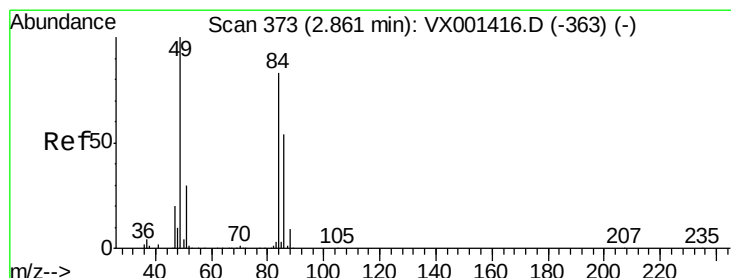
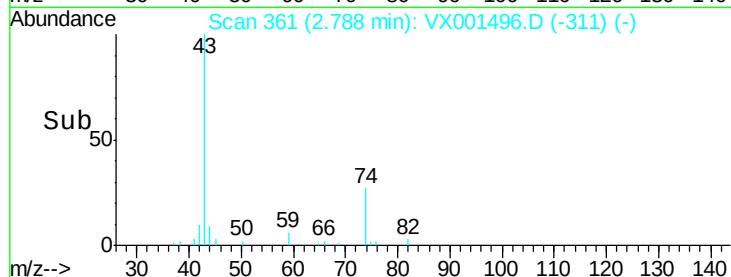
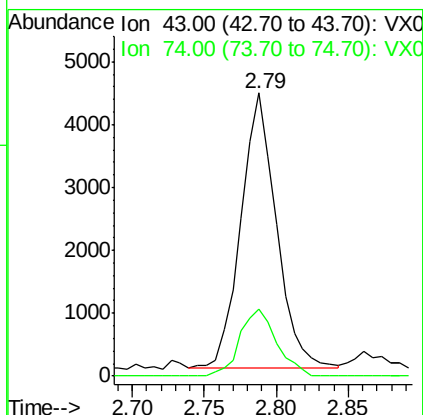
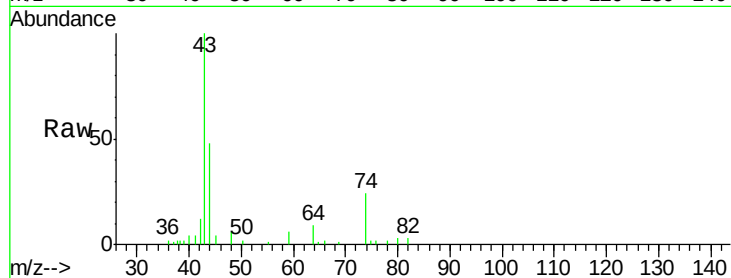




#18
Methyl Acetate
Concen: 1.55 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001496.D
Acq: 08 May 2018 05:33

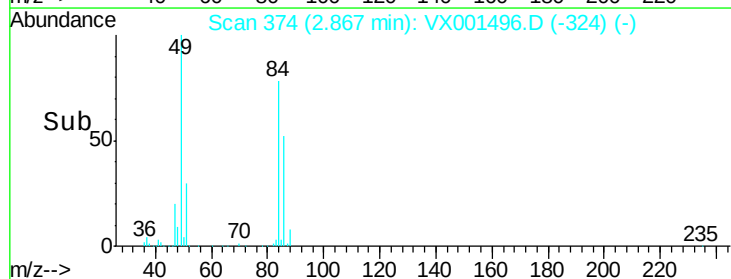
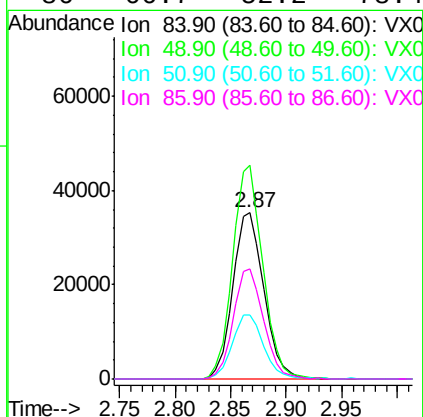
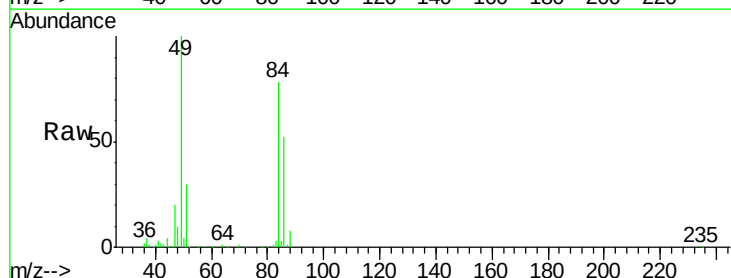
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

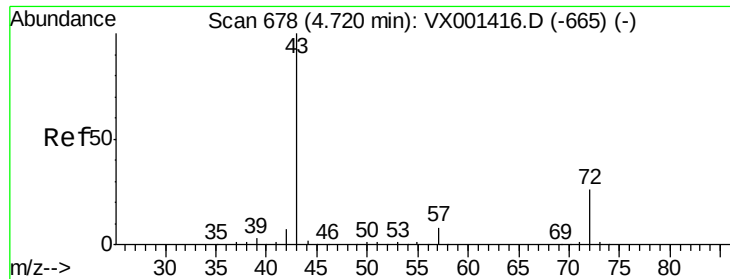
Tgt Ion: 43 Resp: 7523
Ion Ratio Lower Upper
43 100
74 25.0 18.6 27.8



#20
Methylene Chloride
Concen: 18.57 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001496.D
Acq: 08 May 2018 05:33

Tgt Ion: 84 Resp: 68038
Ion Ratio Lower Upper
84 100
49 128.6 96.6 144.8
51 38.4 29.0 43.4
86 66.7 52.2 78.4





#25

2-Butanone

Concen: 0.61 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

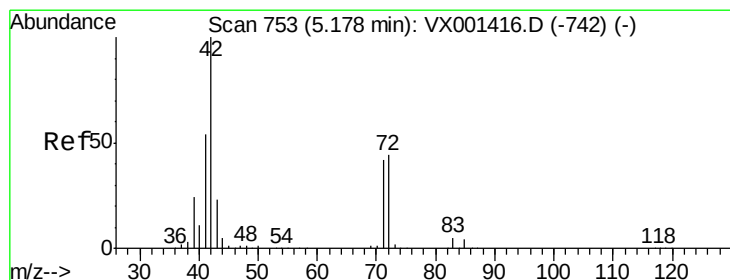
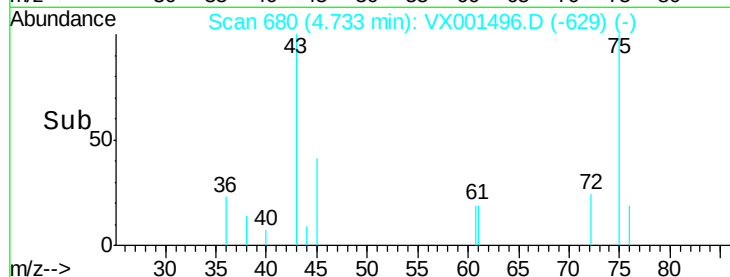
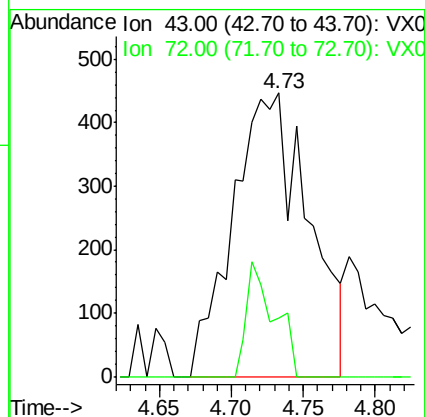
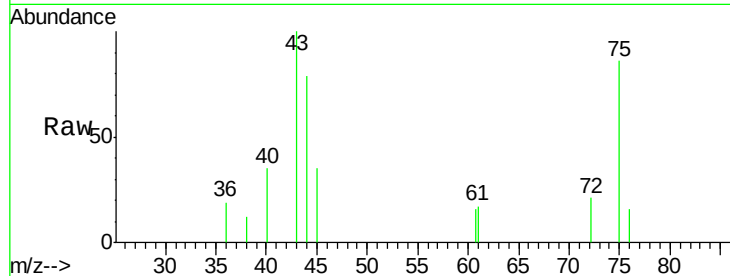
CB-TCLP-VAR1-0518

Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

72 20.6 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

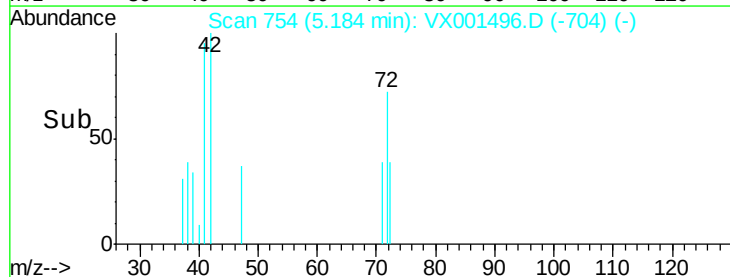
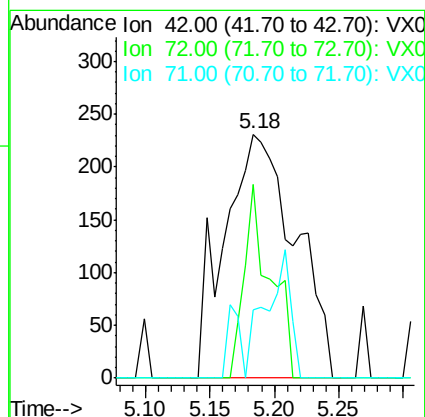
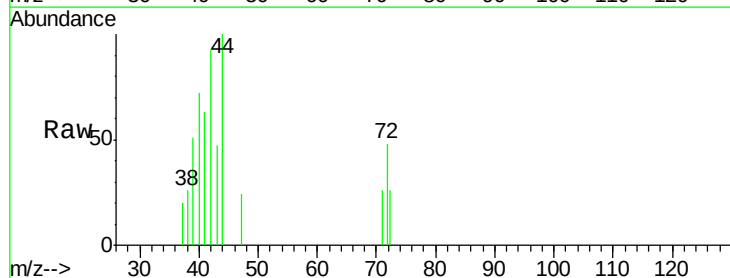
Tgt Ion: 42 Resp: 880

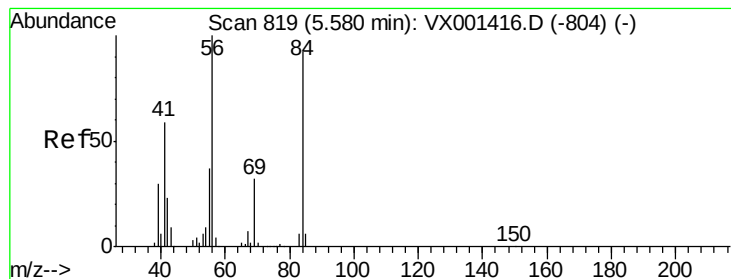
Ion Ratio Lower Upper

42 100

72 29.7 35.4 53.2#

71 5.3 33.0 49.4#





#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR1-0518

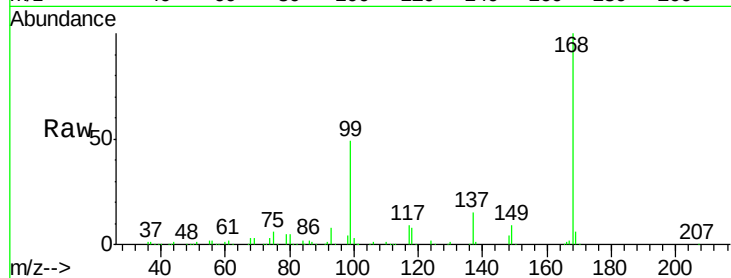
Tgt Ion: 56 Resp: 4936

Ion Ratio Lower Upper

56 100

69 169.0 25.4 38.0#

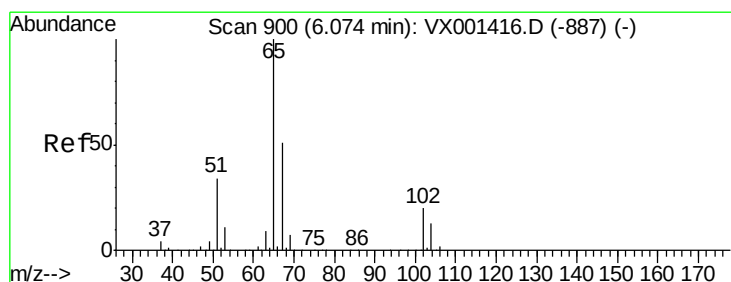
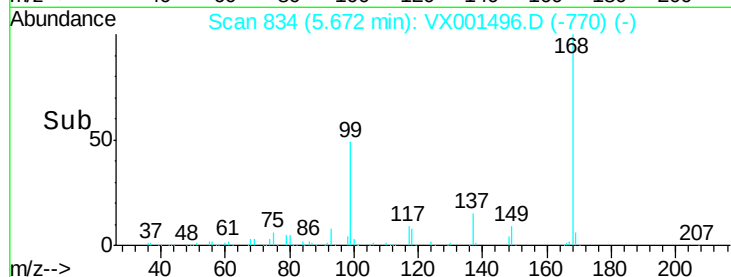
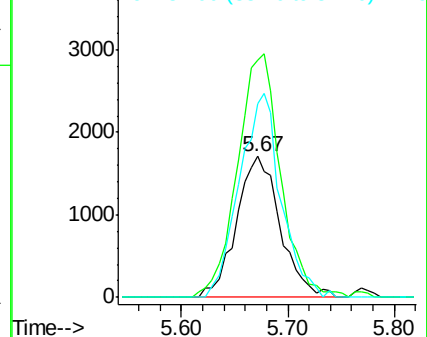
84 142.5 73.8 110.8#



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: 45.90 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001496.D

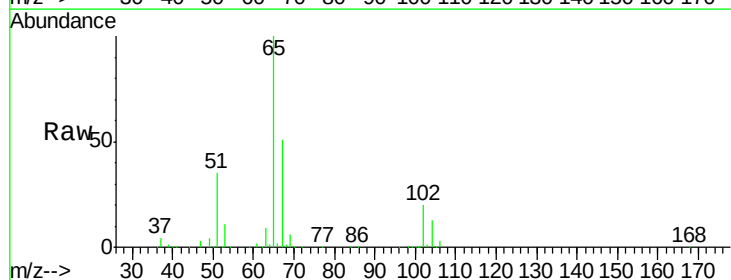
Acq: 08 May 2018 05:33

Tgt Ion: 65 Resp: 187070

Ion Ratio Lower Upper

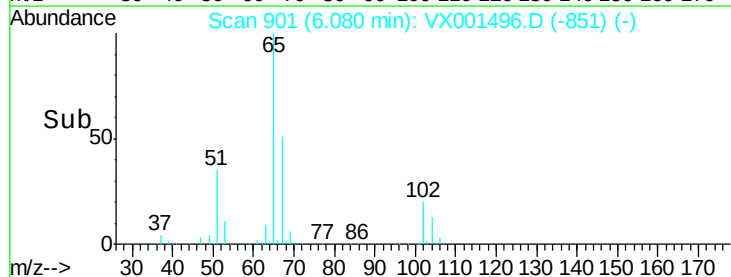
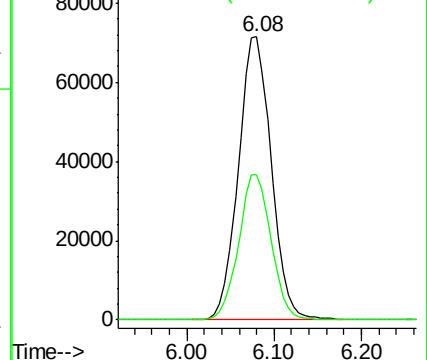
65 100

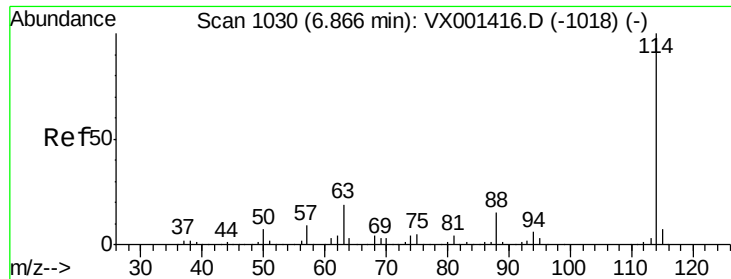
67 50.7 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

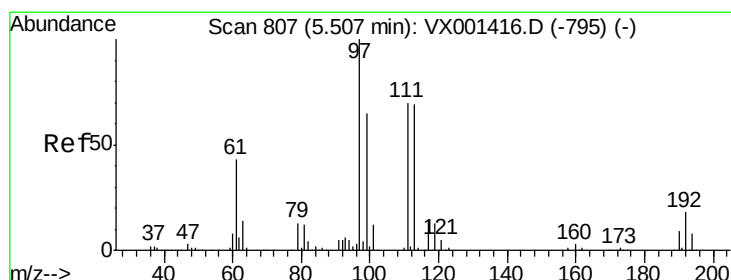
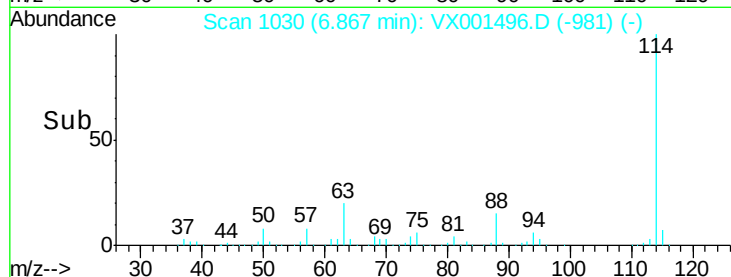
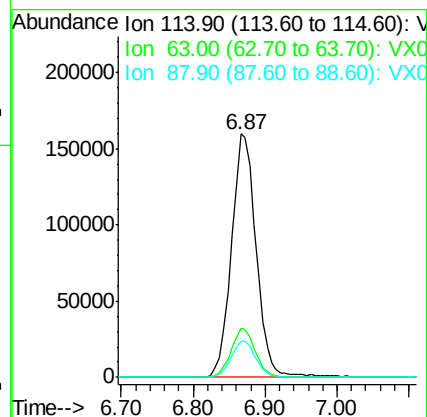
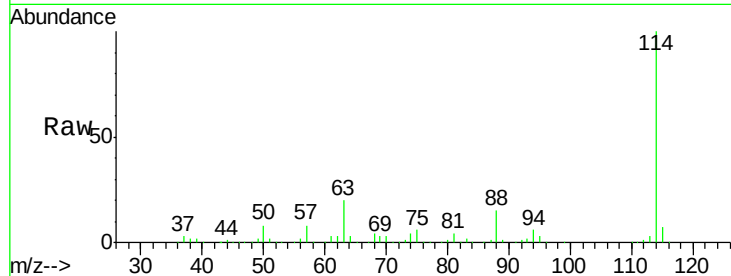




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001496.D
 Acq: 08 May 2018 05:33

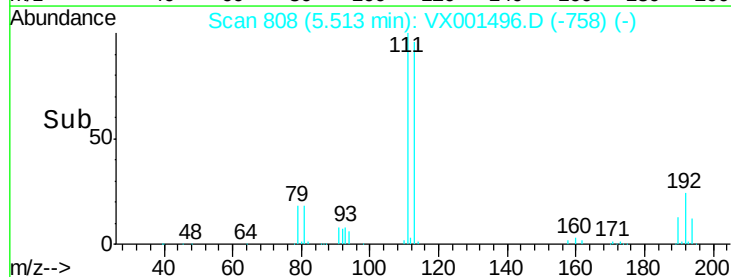
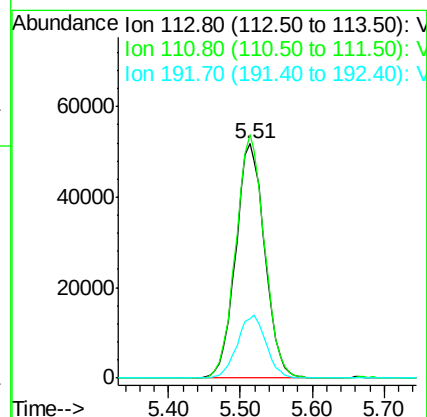
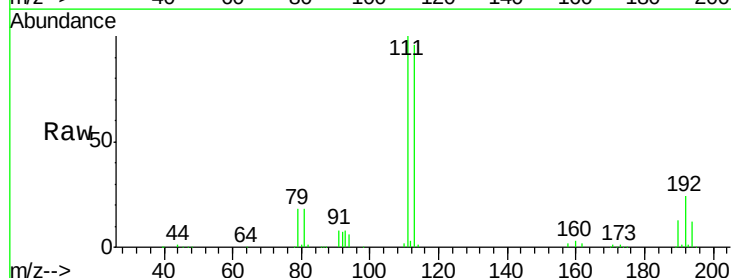
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 CB-TCLP-VAR1-0518

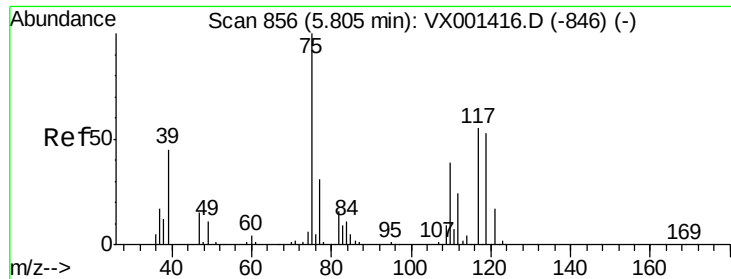
Tgt Ion:114 Resp: 382590
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 15.1 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 42.65 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001496.D
 Acq: 08 May 2018 05:33

Tgt Ion:113 Resp: 145150
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 26.6 21.4 32.0

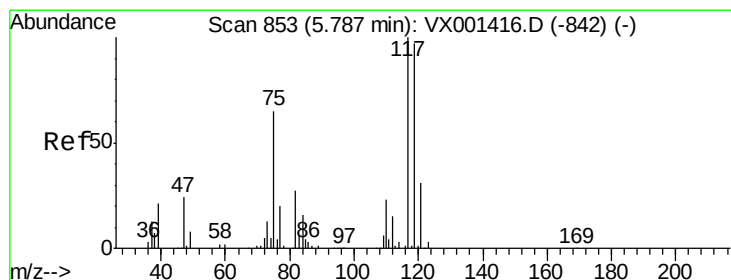
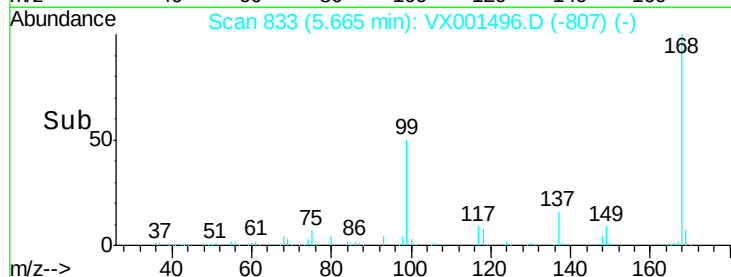
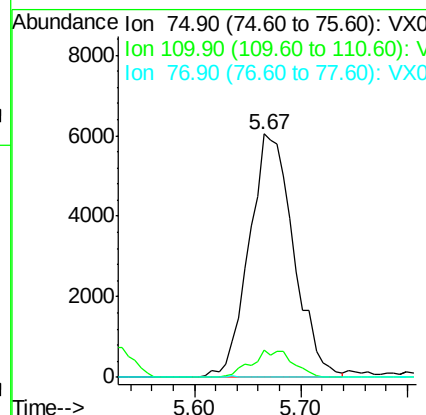
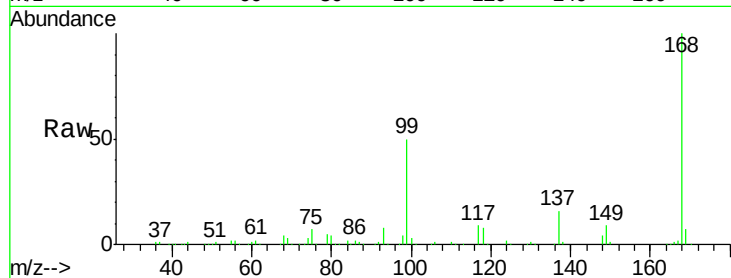




#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001496.D
 Acq: 08 May 2018 05:33

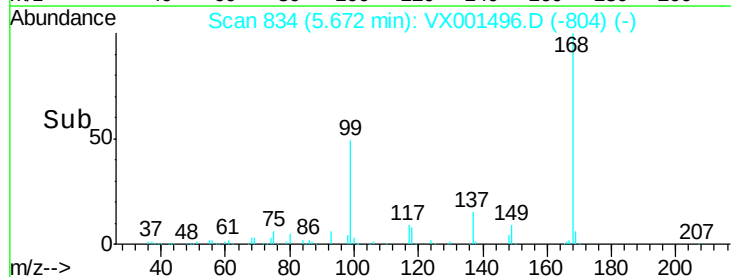
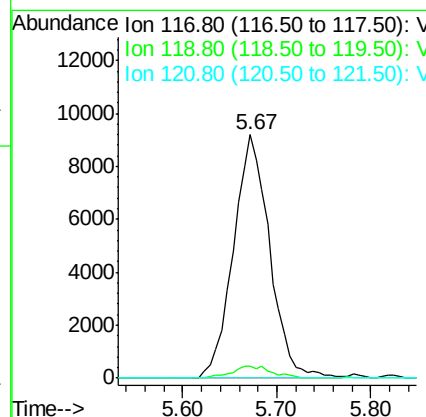
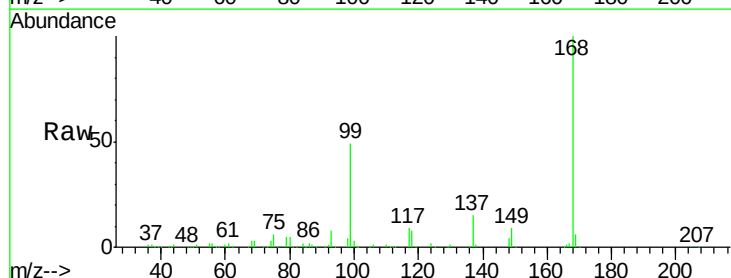
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR1-0518

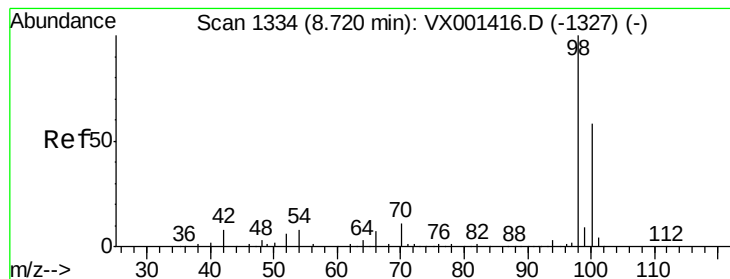
Tgt Ion: 75 Resp: 17597
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.9 56.7#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001496.D
 Acq: 08 May 2018 05:33

Tgt Ion: 117 Resp: 24647
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.0 115.6#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 43.12 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

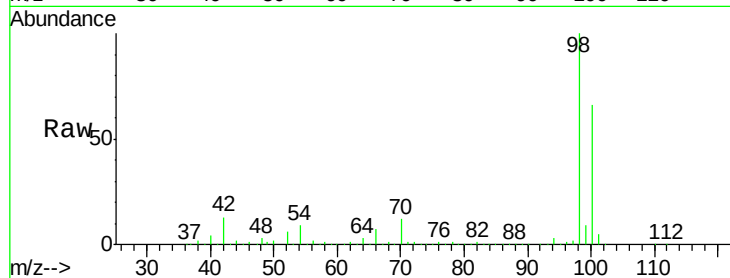
CB-TCLP-VAR1-0518

Tgt Ion: 98 Resp: 535665

Ion Ratio Lower Upper

98 100

100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

300000

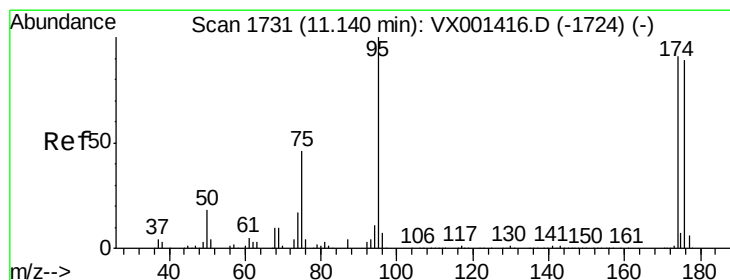
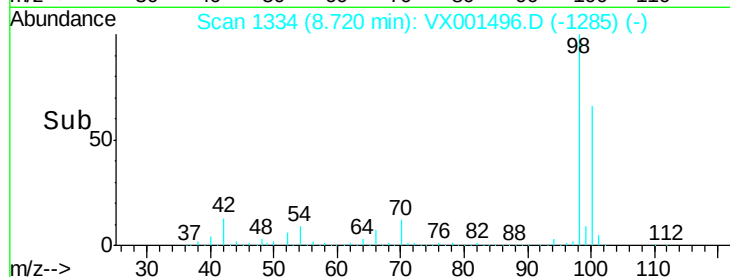
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 38.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

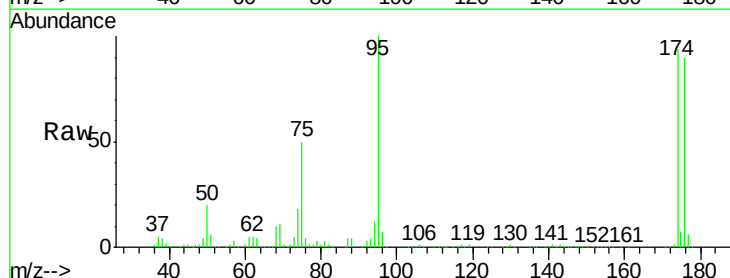
Tgt Ion: 95 Resp: 181212

Ion Ratio Lower Upper

95 100

174 100.8 0.0 202.0

176 96.6 0.0 197.4



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

11.14

150000

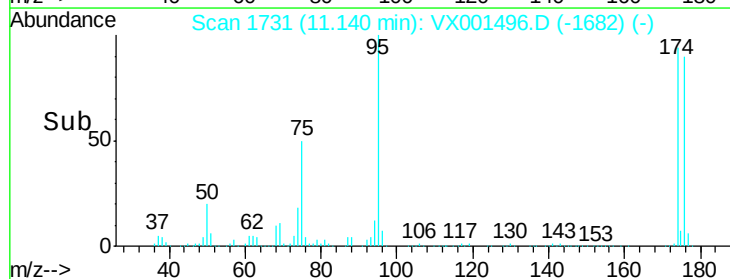
100000

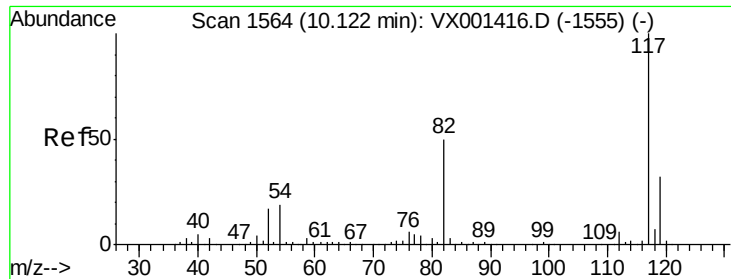
50000

0

Time-->

11.10 11.20

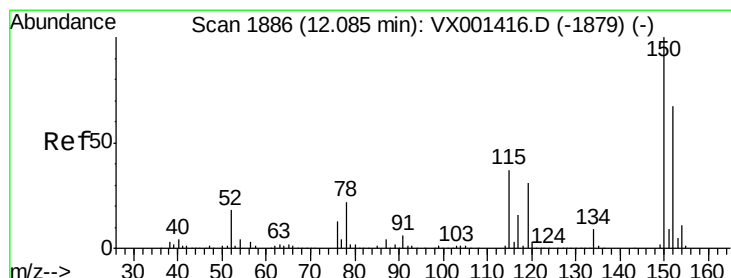
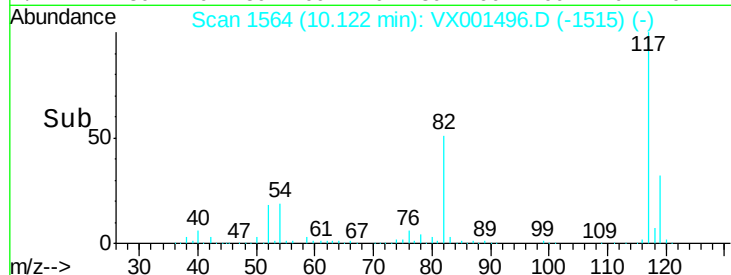
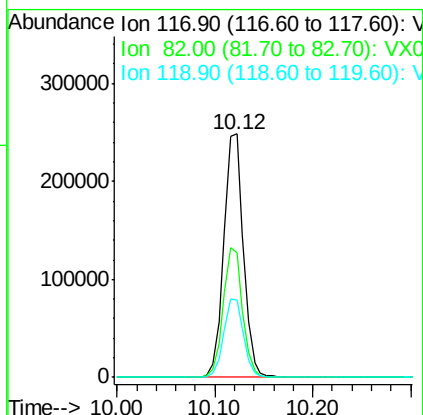
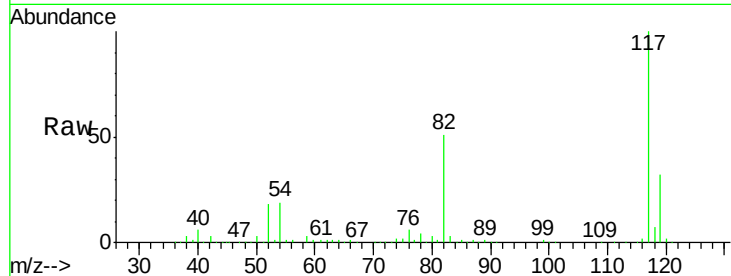




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001496.D
Acq: 08 May 2018 05:33

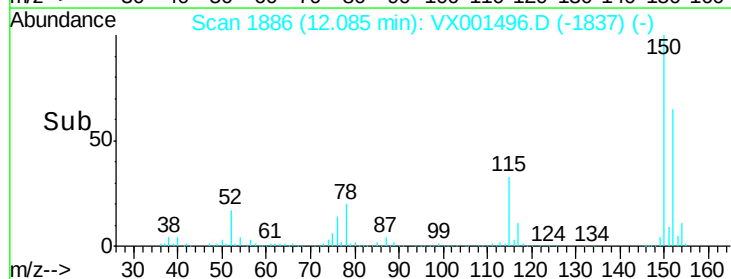
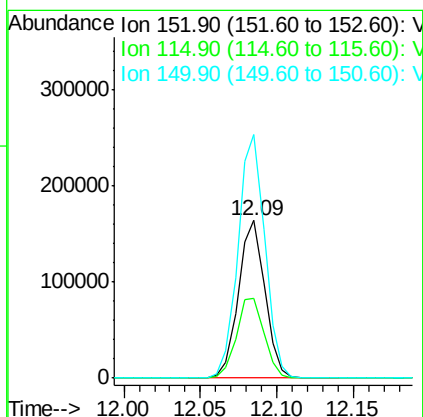
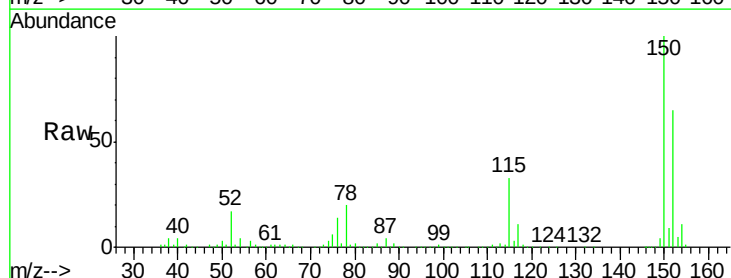
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR1-0518

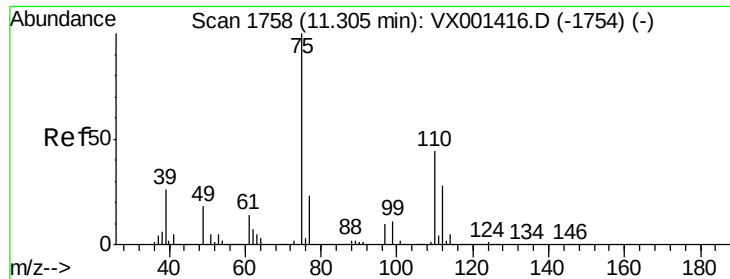
Tgt Ion:117 Resp: 345676
Ion Ratio Lower Upper
117 100
82 51.0 40.0 60.0
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001496.D
Acq: 08 May 2018 05:33

Tgt Ion:152 Resp: 196847
Ion Ratio Lower Upper
152 100
115 53.2 37.7 113.1
150 156.8 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 22.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

Instrument :

MSVOA_X

ClientSampleId :

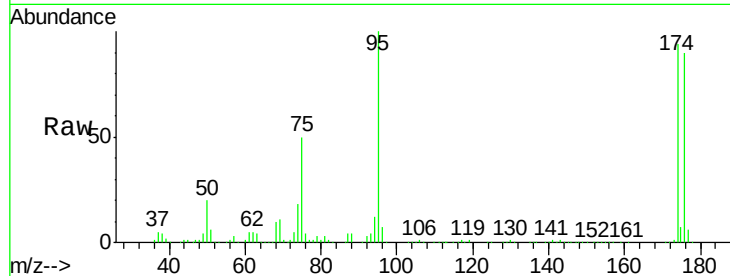
CB-TCLP-VAR1-0518

Tgt Ion: 75 Resp: 90501

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

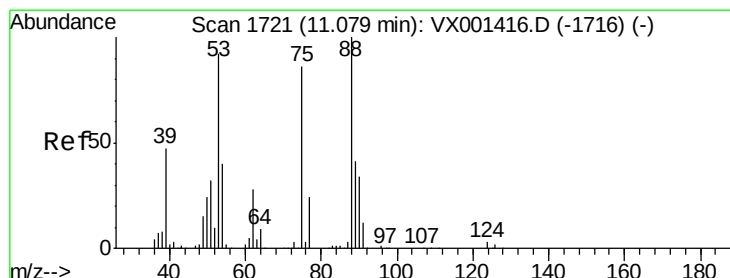
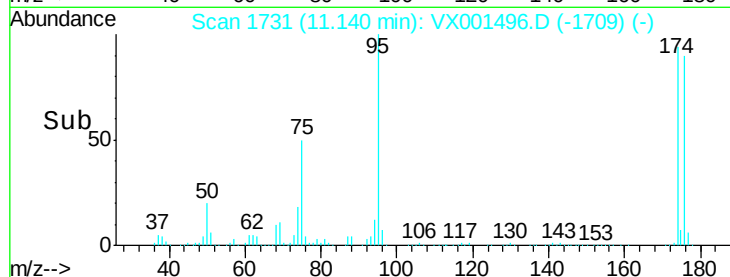
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 70.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001496.D

Acq: 08 May 2018 05:33

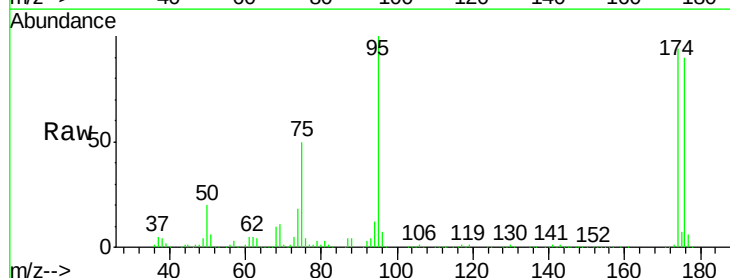
Tgt Ion: 75 Resp: 90501

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 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

100000

80000

60000

40000

20000

0

Time-->

11.10 11.20

