

Data Path : W:\HPCHEM1\MSVOA_X\DATA\WX050718\
 Data File : VX001500.D
 Acq On : 08 May 2018 07:19
 Operator : JC/MD
 Sample : J2738-05 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR5-0518

Quant Time: May 08 08:10:26 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	264434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179719	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	5.51	113	137596	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	
50) Toluene-d8	8.72	98	509371	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	
62) 4-Bromofluorobenzene	11.14	95	173025	38.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.02%	

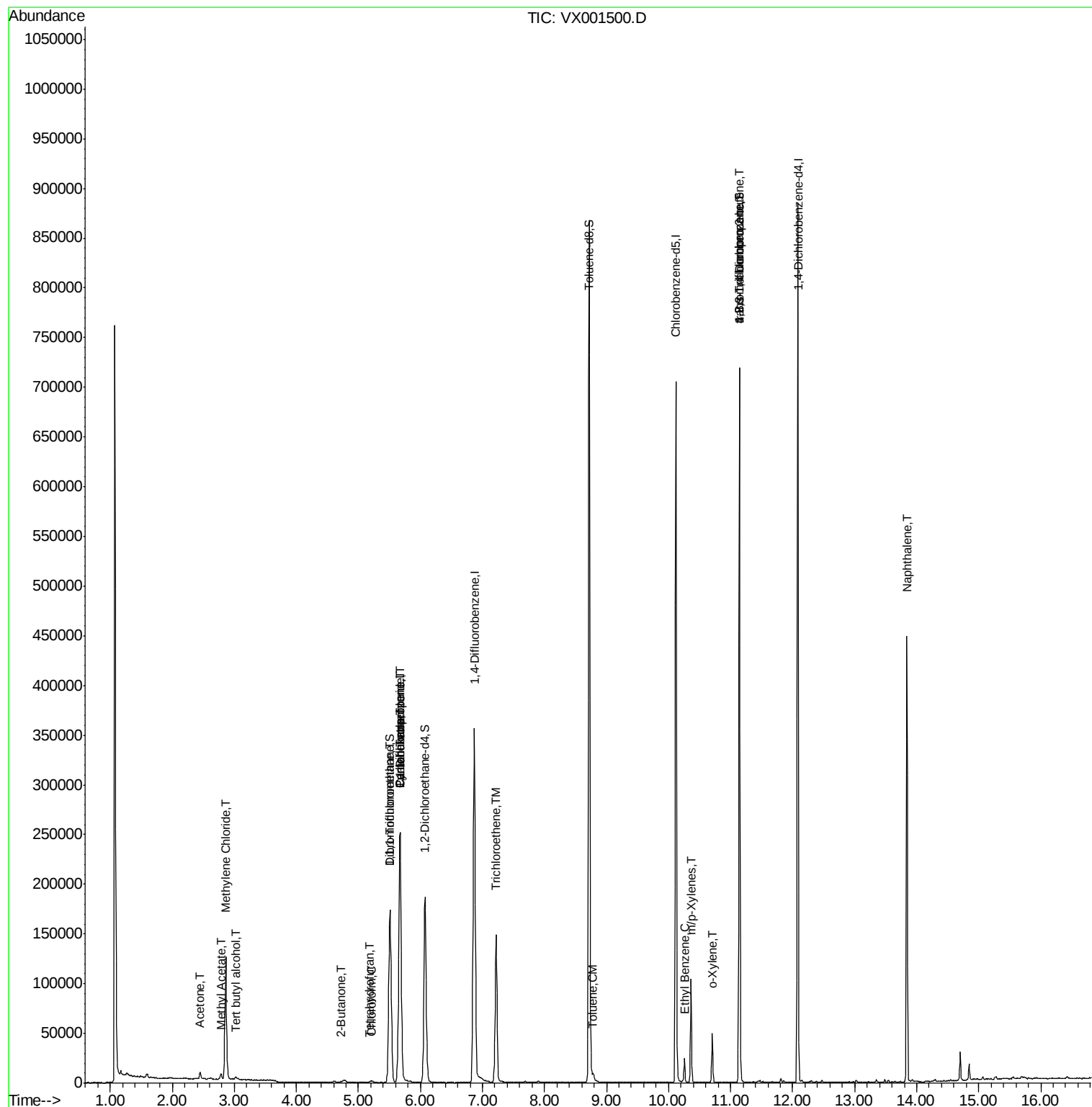
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	701	Below Cal		87
11) Tert butyl alcohol	3.03	59	1784	2.23	ug/l #	76
13) Acrolein	2.30	56	58	Below Cal	#	71
16) Acetone	2.45	43	7141	4.14	ug/l	98
18) Methyl Acetate	2.78	43	6434	1.42	ug/l	93
20) Methylene Chloride	2.86	84	56152	16.43	ug/l	97
25) 2-Butanone	4.71	43	1469	0.59	ug/l #	85
29) Tetrahydrofuran	5.17	42	938	0.59	ug/l #	43
30) Chloroform	5.21	83	1528	0.26	ug/l	98
31) Cyclohexane	5.67	56	4852	0.99	ug/l #	4
32) 1,1,1-Trichloroethane	5.50	97	3553	0.69	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	17020	3.66	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22995	4.64	ug/l #	16
44) Trichloroethene	7.22	130	59537	14.35	ug/l	98
52) Toluene	8.79	92	1919	0.22	ug/l	99
67) Ethyl Benzene	10.26	91	12721	0.81	ug/l	98
68) m/p-Xylenes	10.36	106	23541	3.80	ug/l	95
69) o-Xylene	10.70	106	10763	1.79	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	87259	22.92	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	87259	71.11	ug/l #	7
95) Naphthalene	13.84	128	269084	19.35	ug/l	100

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

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QLast Update : Sun May 06 07:59:25 2018
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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: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

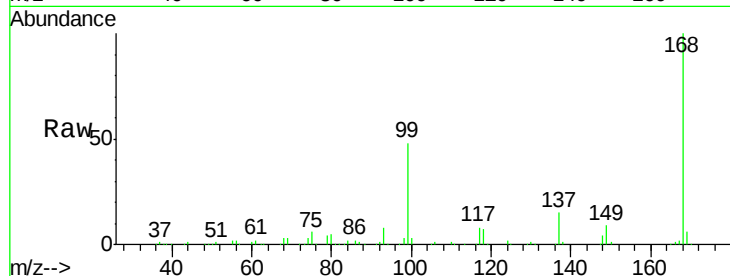
CB-TCLP-VAR5-0518

Tgt Ion:168 Resp: 264434

Ion Ratio Lower Upper

168 100

99 48.3 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

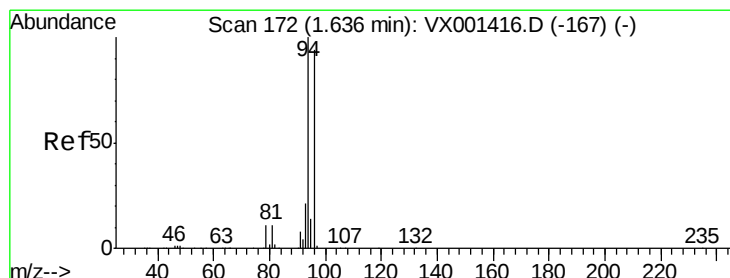
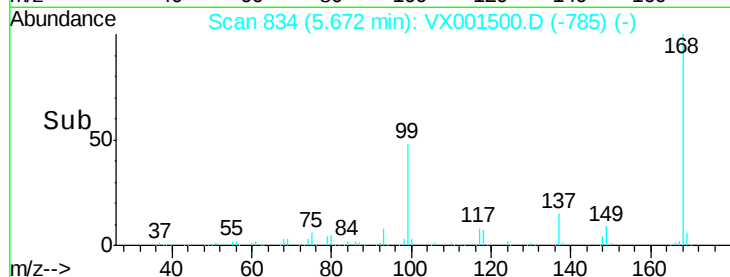
60000

40000

20000

0

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: VX001500.D

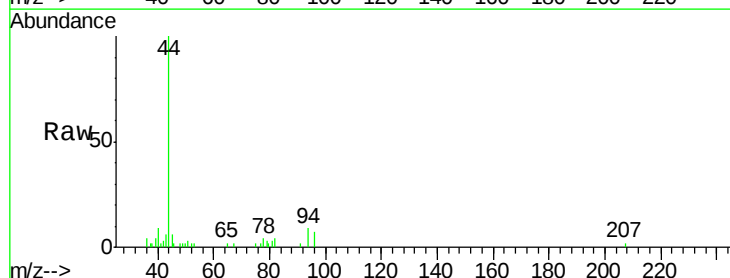
Acq: 08 May 2018 07:19

Tgt Ion: 94 Resp: 701

Ion Ratio Lower Upper

94 100

96 81.4 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

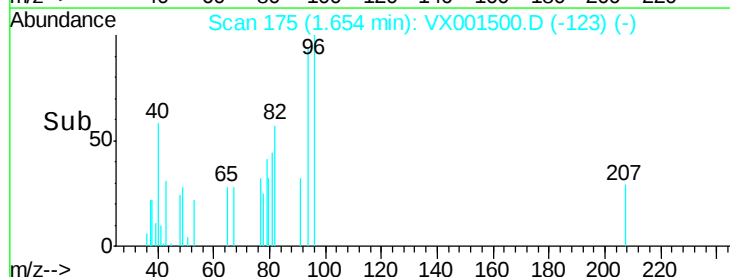
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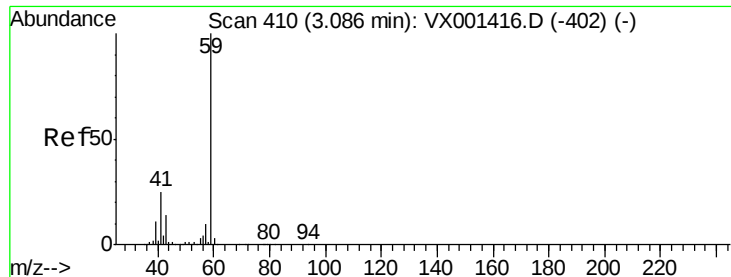
200

100

0

Time--> 1.60 1.65 1.70 1.75





#11

Tert butyl alcohol

Concen: 2.23 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

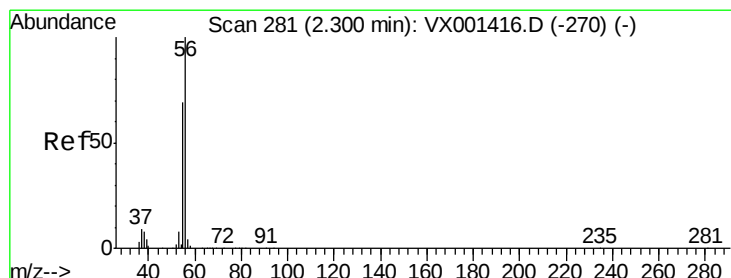
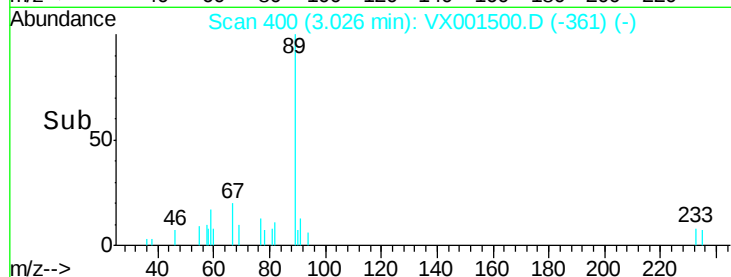
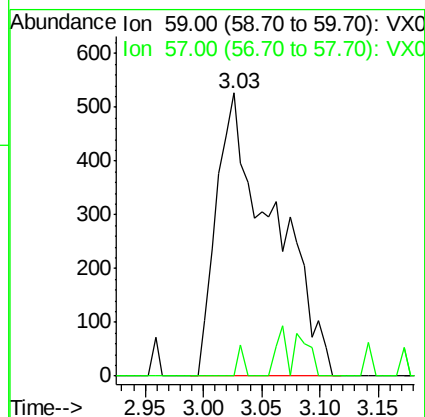
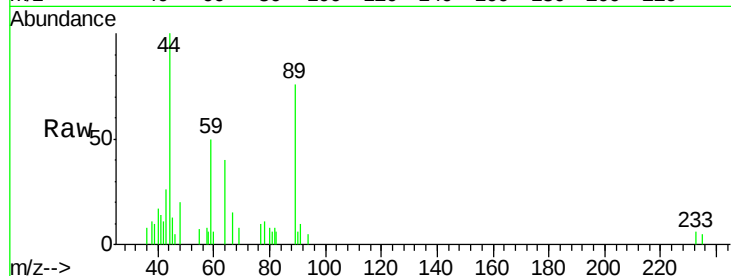
CB-TCLP-VAR5-0518

Tgt Ion: 59 Resp: 1784

Ion Ratio Lower Upper

59 100

57 1.2 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001500.D

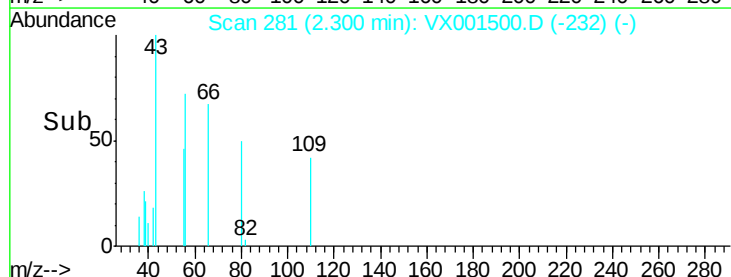
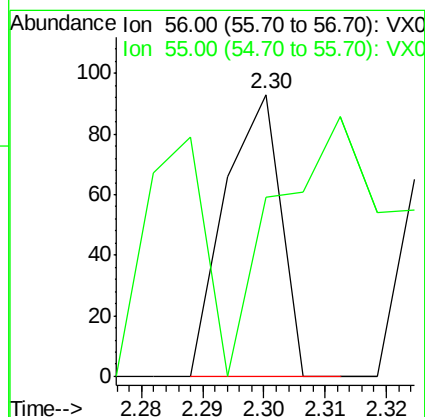
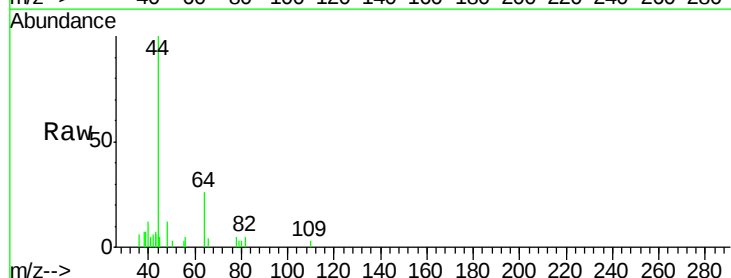
Acq: 08 May 2018 07:19

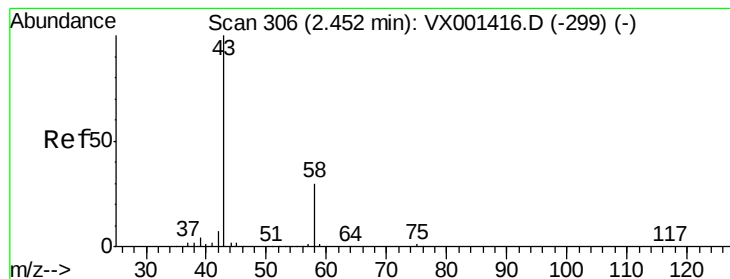
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 91.4 54.5 81.7#





#16

Acetone

Concen: 4.14 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

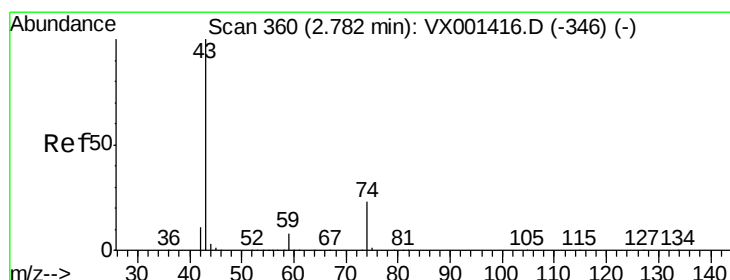
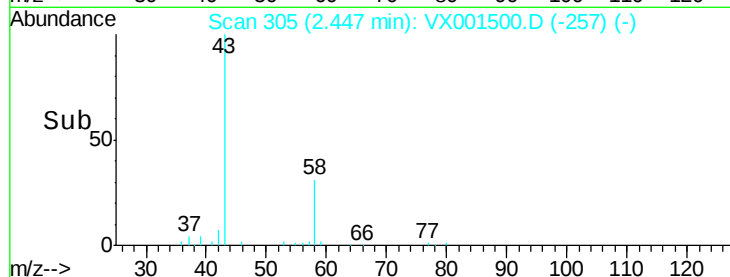
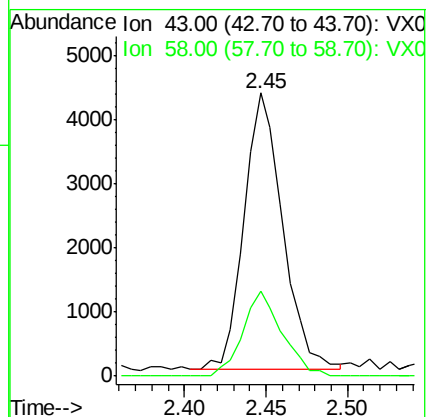
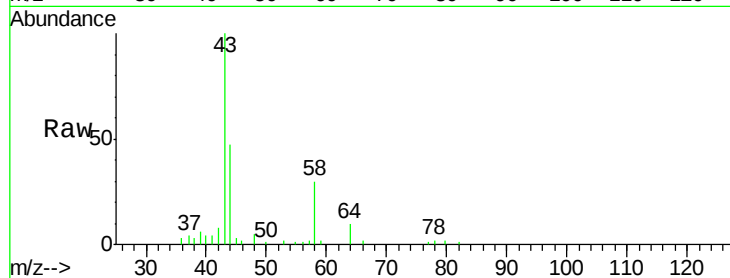
CB-TCLP-VAR5-0518

Tgt Ion: 43 Resp: 7141

Ion Ratio Lower Upper

43 100

58 30.6 23.8 35.8



#18

Methyl Acetate

Concen: 1.42 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001500.D

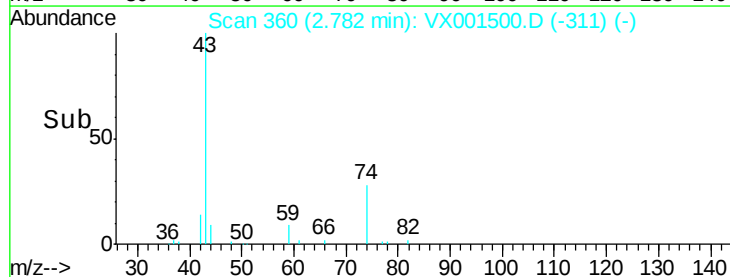
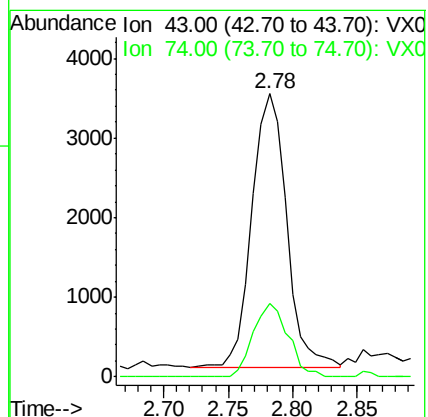
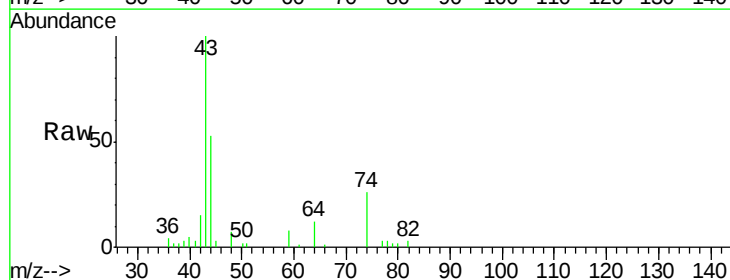
Acq: 08 May 2018 07:19

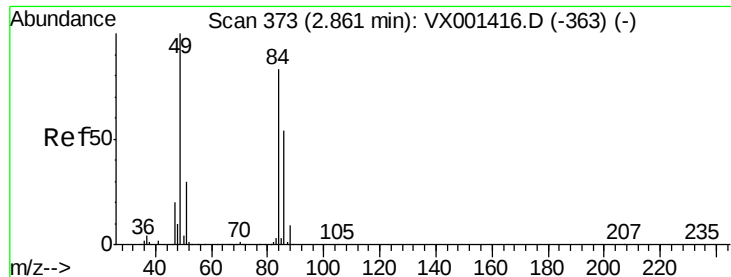
Tgt Ion: 43 Resp: 6434

Ion Ratio Lower Upper

43 100

74 26.7 18.6 27.8

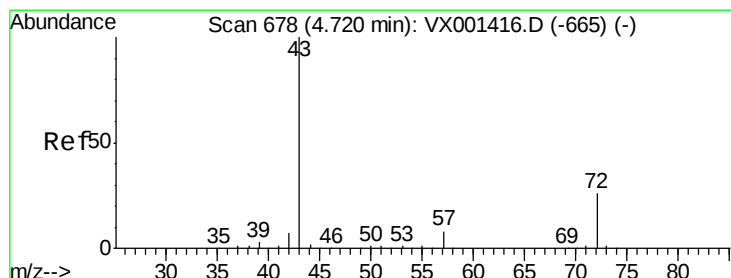
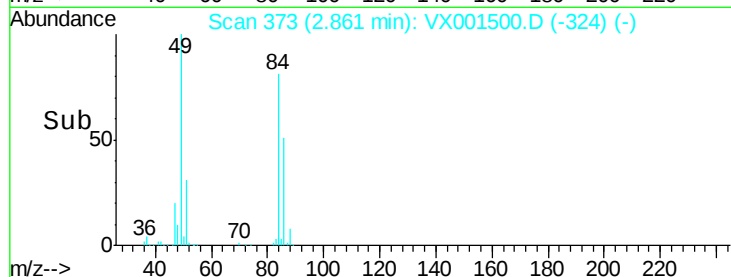
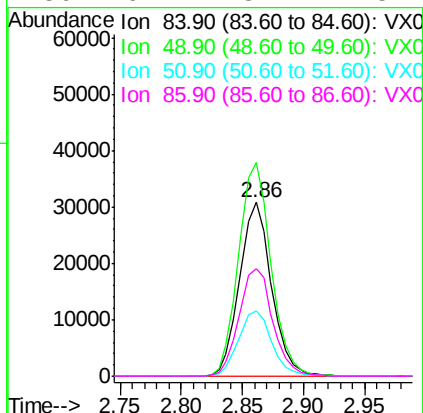
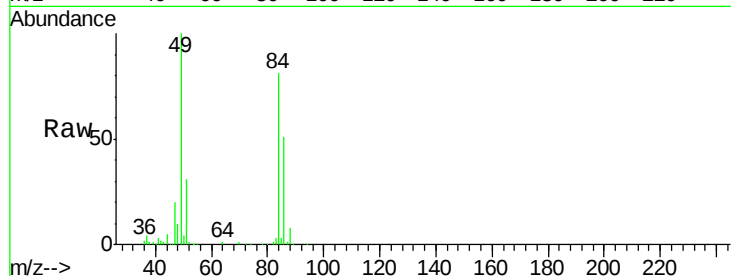




#20
Methylene Chloride
Concen: 16.43 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

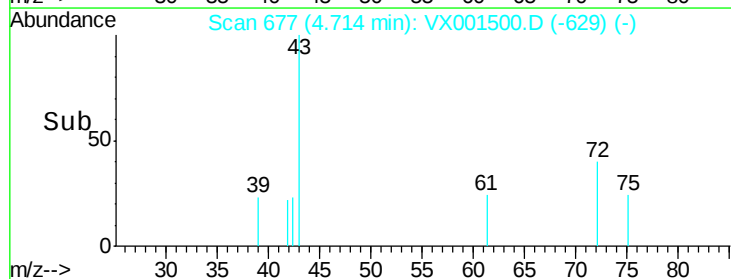
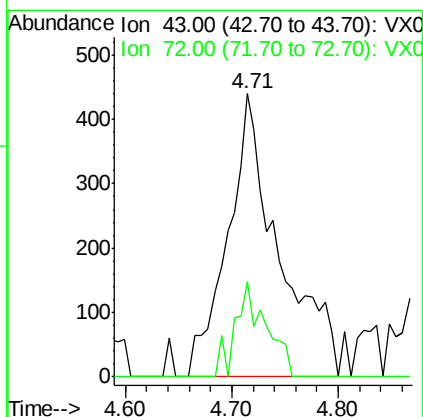
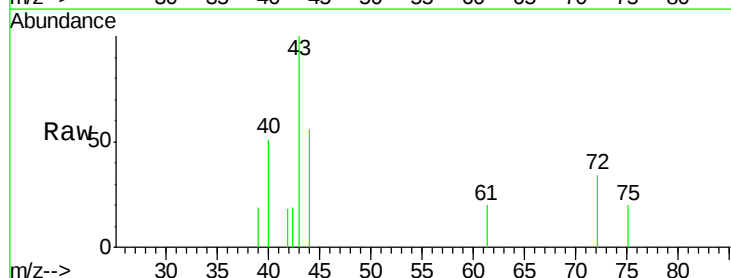
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR5-0518

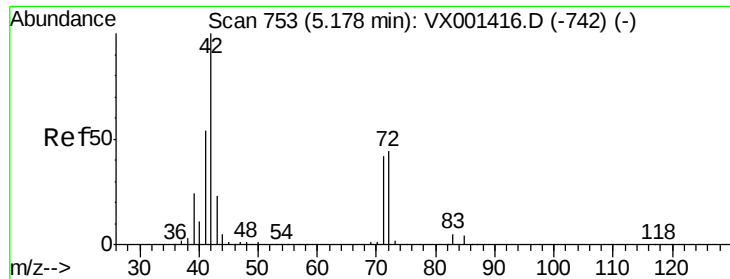
Tgt Ion:	84	Resp:	56152
Ion	Ratio	Lower	Upper
84	100		
49	122.9	96.6	144.8
51	37.8	29.0	43.4
86	62.2	52.2	78.4



#25
2-Butanone
Concen: 0.59 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

Tgt Ion:	43	Resp:	1469
Ion	Ratio	Lower	Upper
43	100		
72	33.7	20.7	31.1#

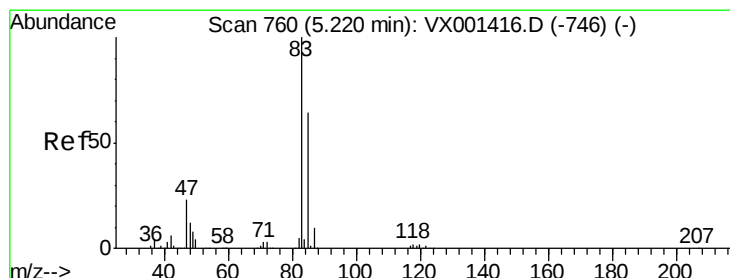
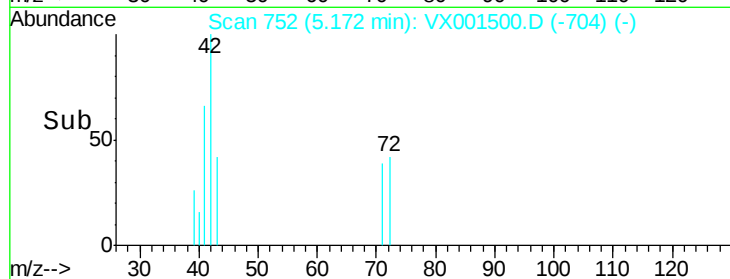
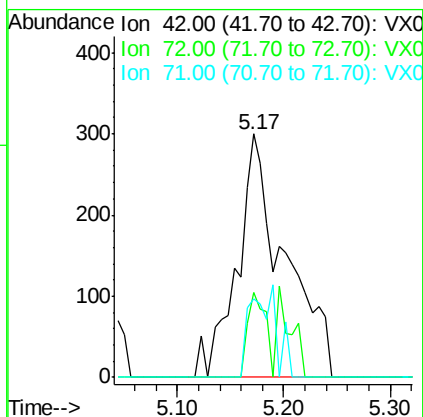
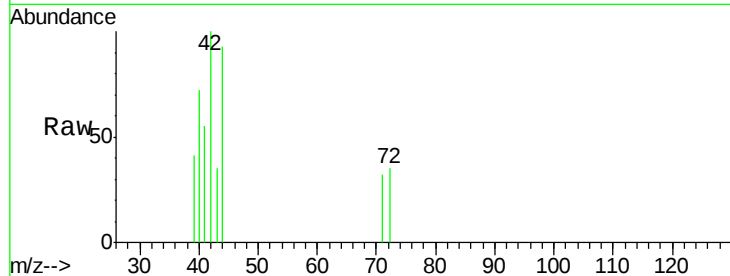




#29
Tetrahydrofuran
Concen: 0.59 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

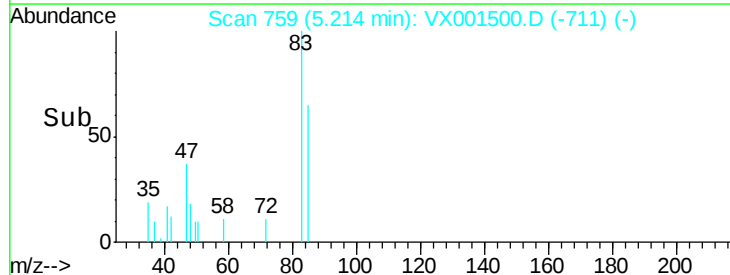
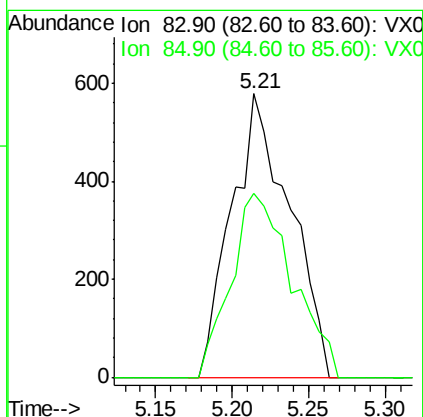
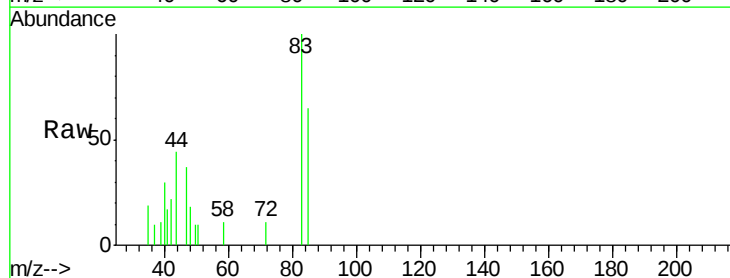
Instrument :
MSVOA_X
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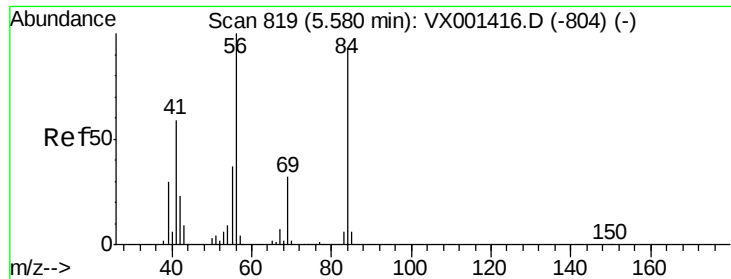
Tgt Ion: 42 Resp: 938
Ion Ratio Lower Upper
42 100
72 13.1 35.4 53.2#
71 0.0 33.0 49.4#



#30
Chloroform
Concen: 0.26 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

Tgt Ion: 83 Resp: 1528
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.4

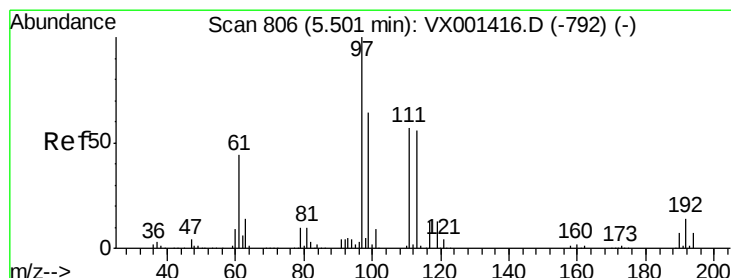
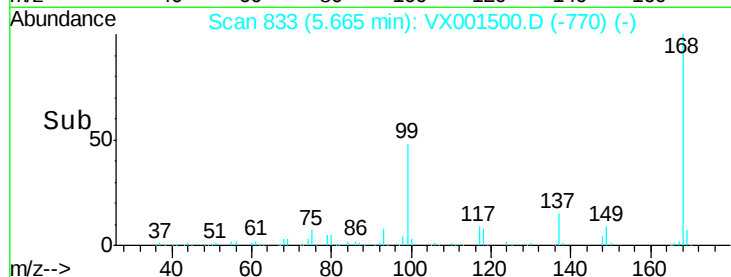
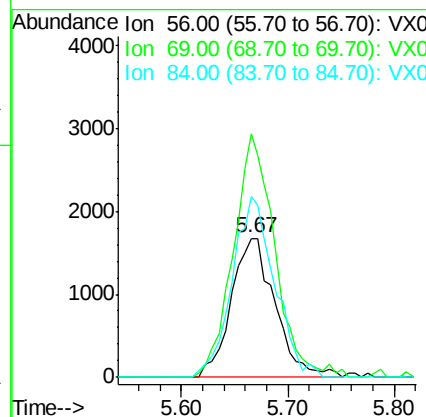
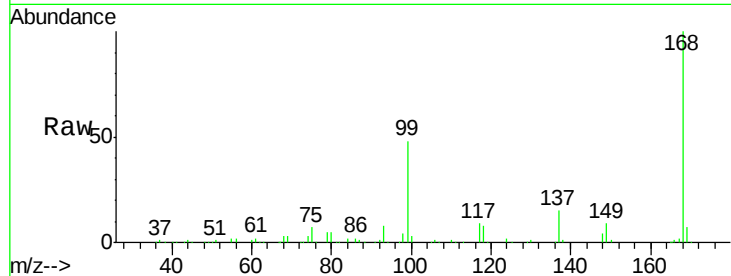




#31
Cyclohexane
Concen: 0.99 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

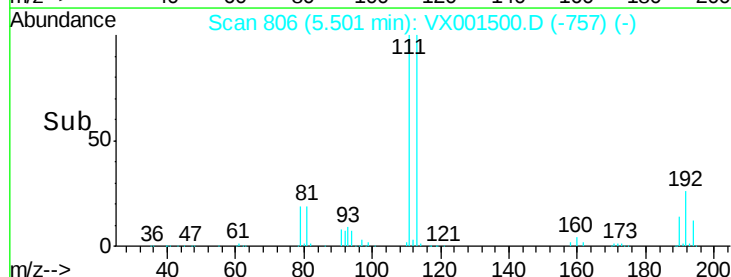
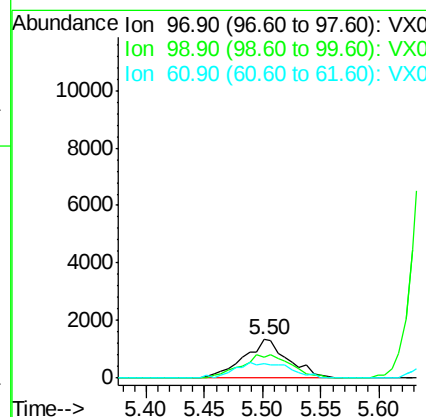
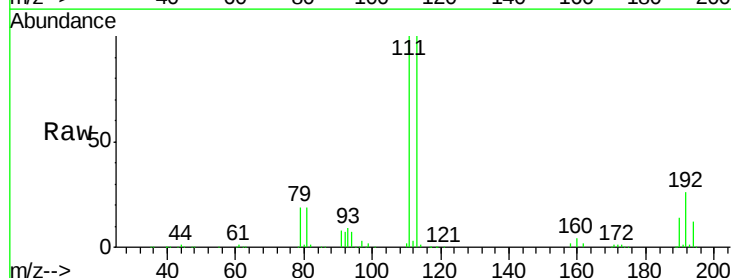
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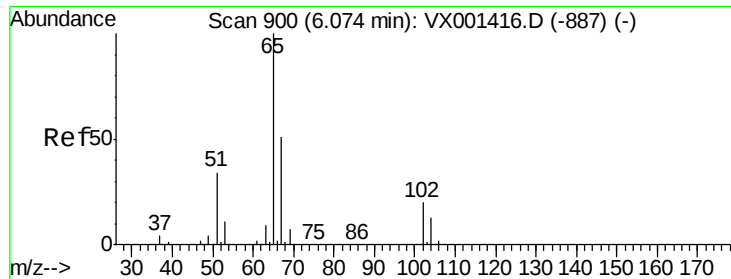
Tgt Ion: 56 Resp: 4852
Ion Ratio Lower Upper
56 100
69 175.5 25.4 38.0#
84 130.4 73.8 110.8#



#32
1,1,1-Trichloroethane
Concen: 0.69 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

Tgt Ion: 97 Resp: 3553
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 49.0 34.8 52.2

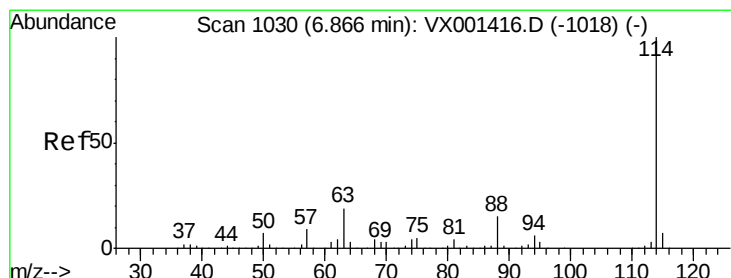
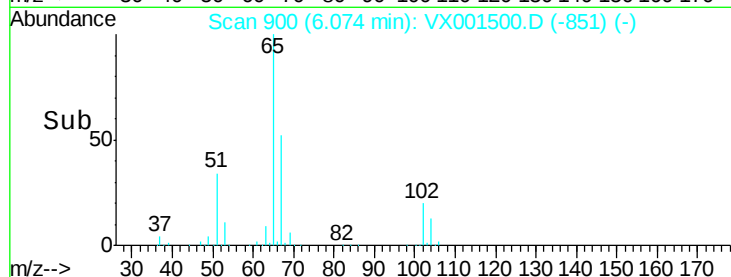
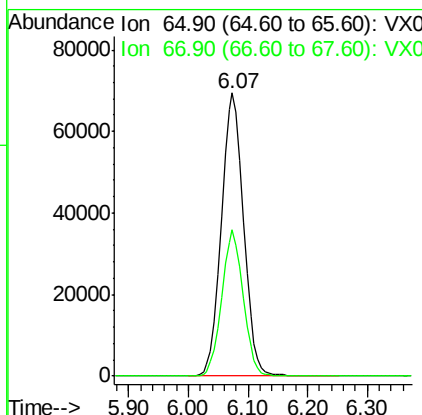
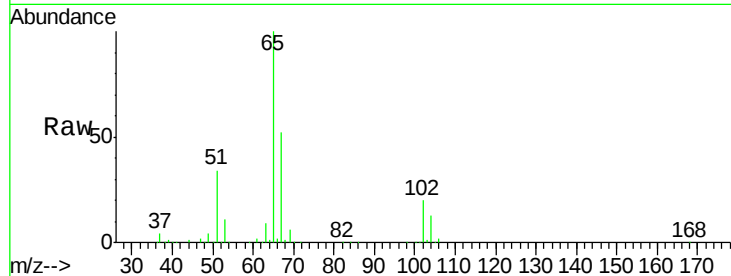




#33
 1,2-Dichloroethane-d4
 Concen: 47.29 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

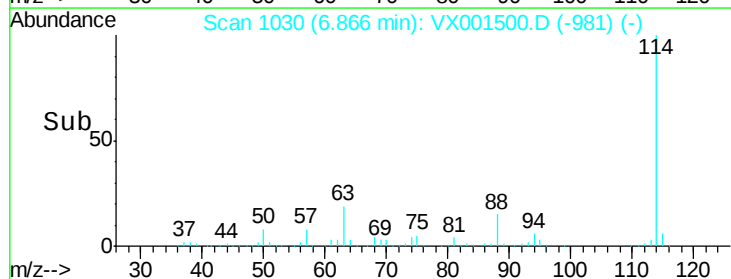
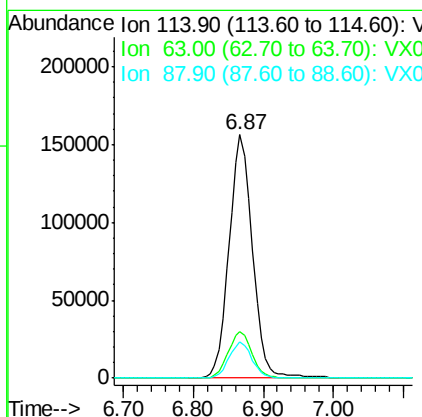
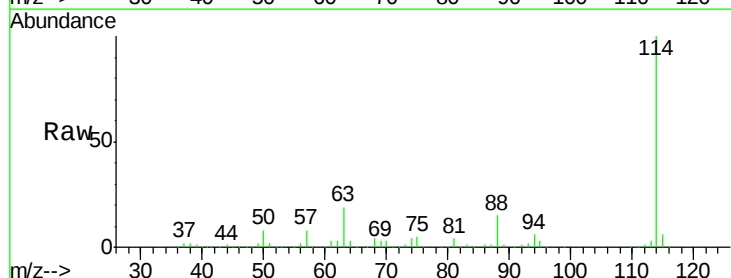
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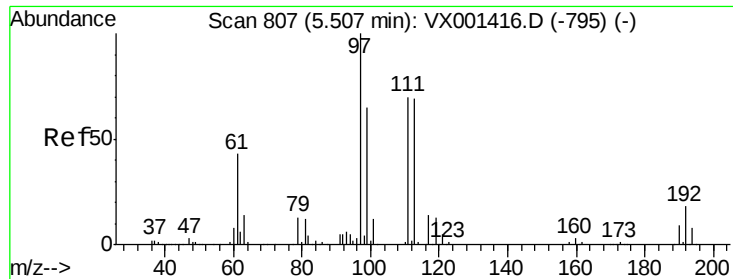
Tgt Ion: 65 Resp: 179719
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

Tgt Ion: 114 Resp: 365240
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.0 0.0 30.8

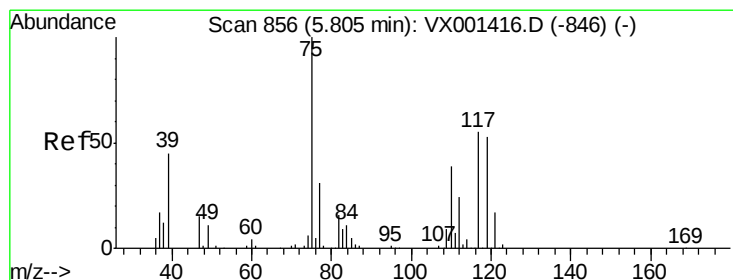
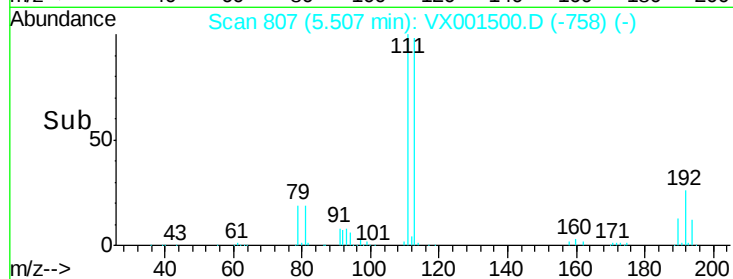
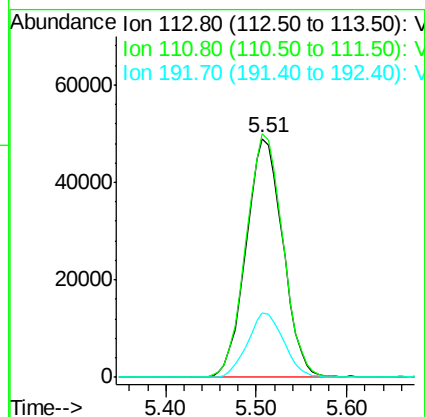
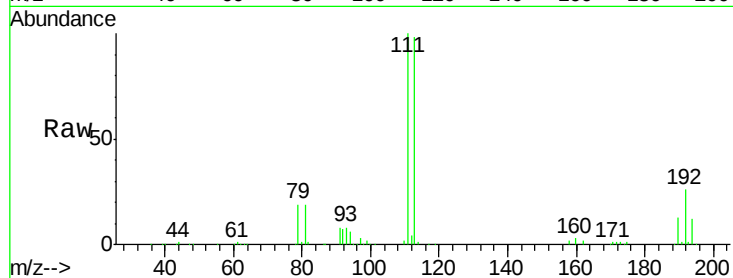




#35
 Dibromofluoromethane
 Concen: 42.35 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

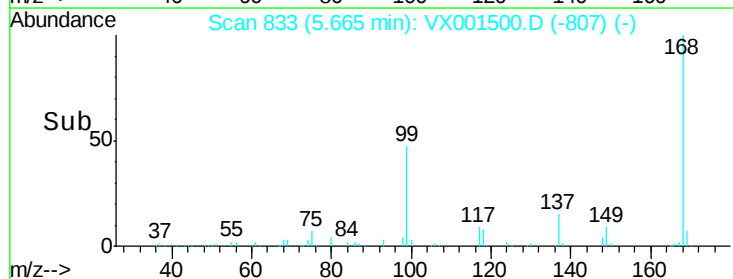
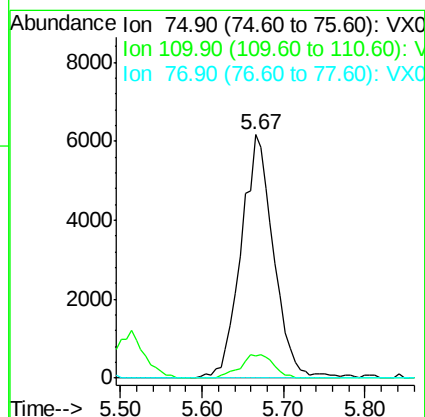
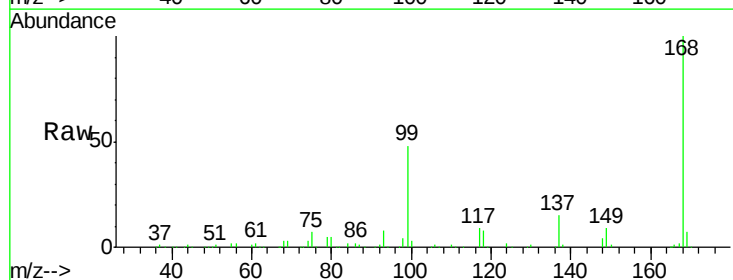
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR5-0518

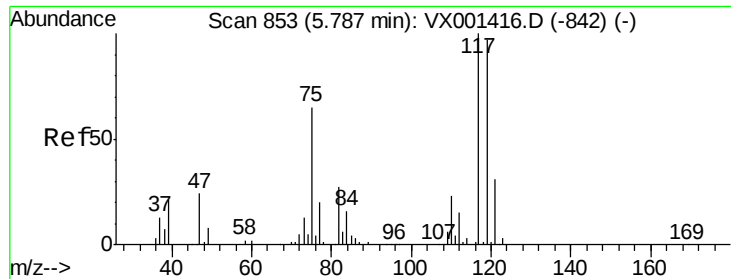
Tgt Ion:113 Resp: 137596
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 26.7 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

Tgt Ion: 75 Resp: 17020
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR5-0518

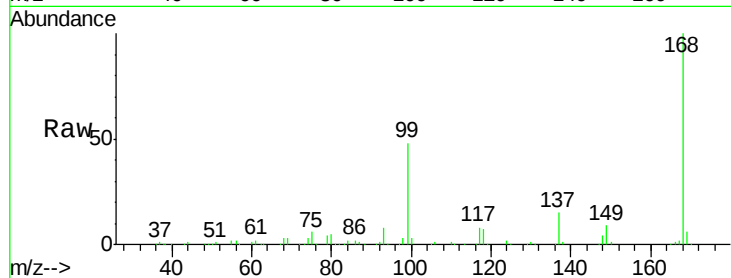
Tgt Ion:117 Resp: 22995

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.6#

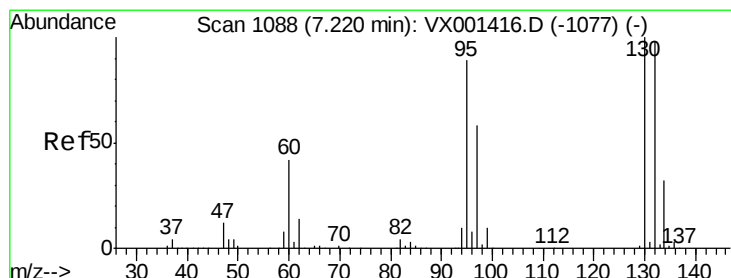
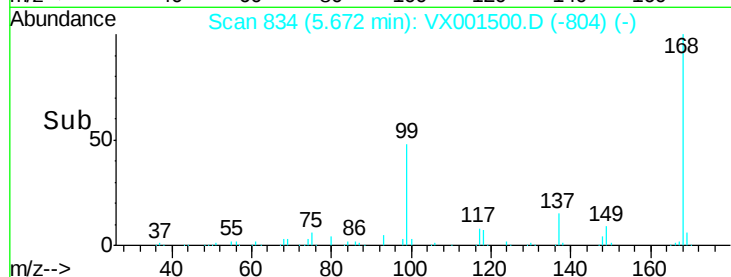
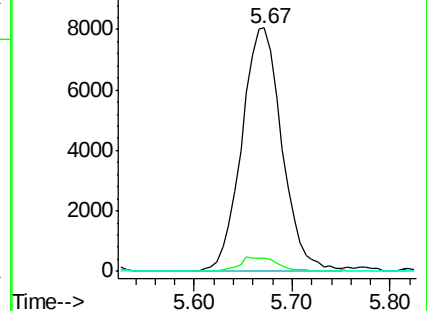
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 14.35 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001500.D

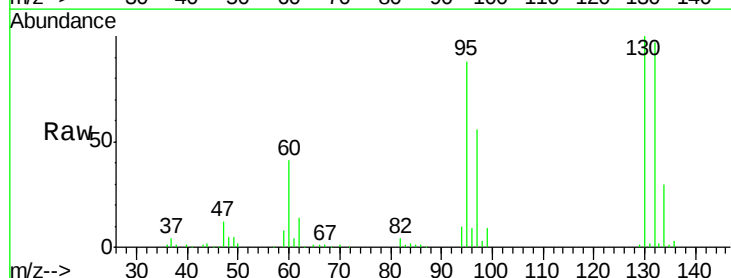
Acq: 08 May 2018 07:19

Tgt Ion:130 Resp: 59537

Ion Ratio Lower Upper

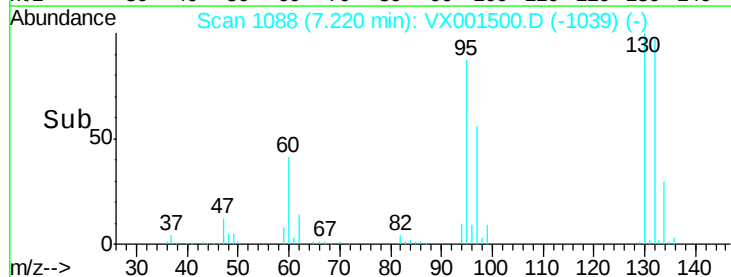
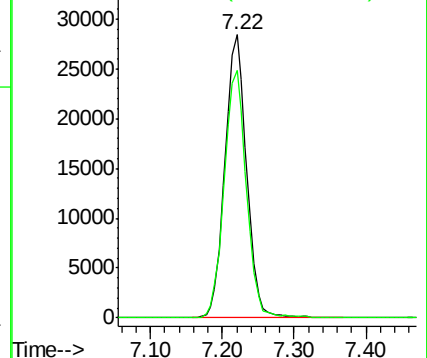
130 100

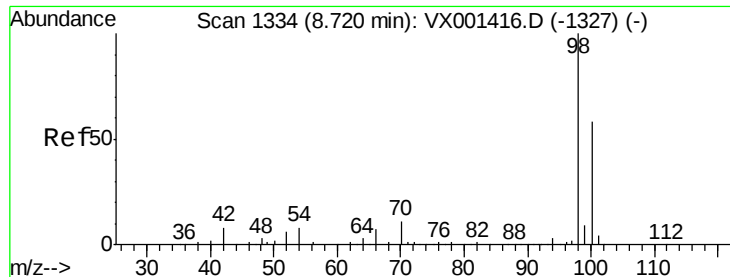
95 87.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 42.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

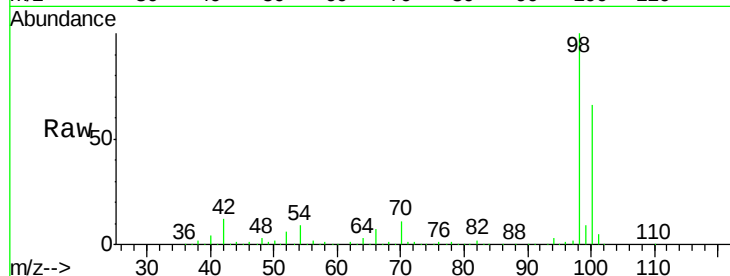
CB-TCLP-VAR5-0518

Tgt Ion: 98 Resp: 509371

Ion Ratio Lower Upper

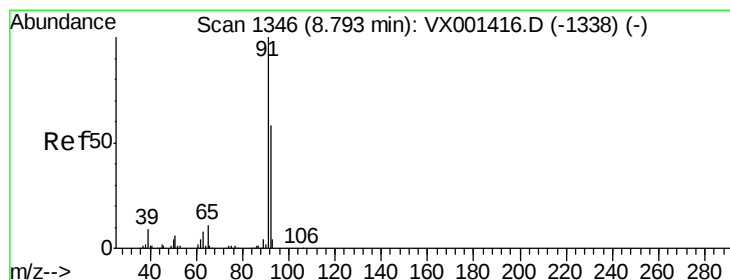
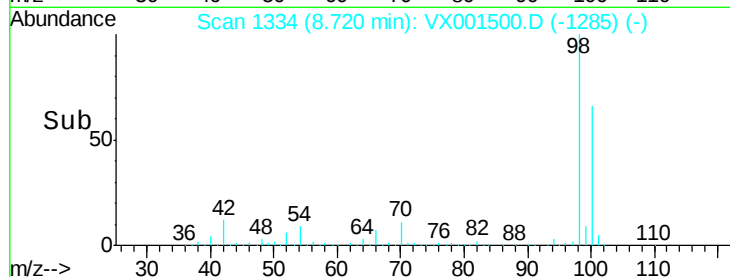
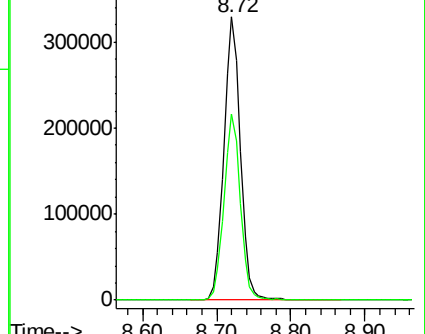
98 100

100 65.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.22 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001500.D

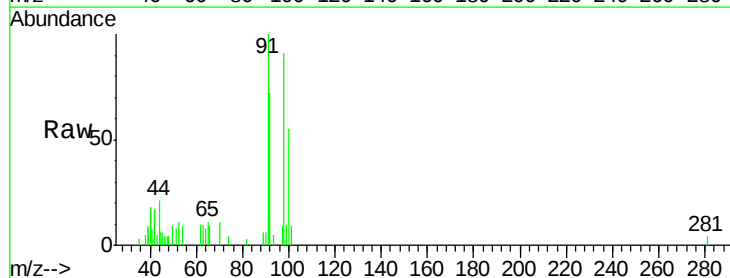
Acq: 08 May 2018 07:19

Tgt Ion: 92 Resp: 1919

Ion Ratio Lower Upper

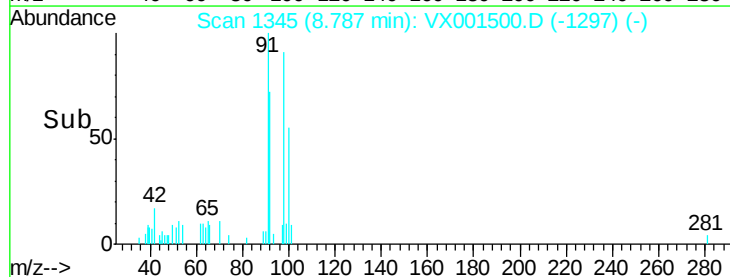
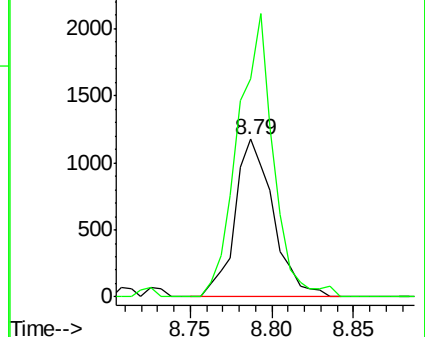
92 100

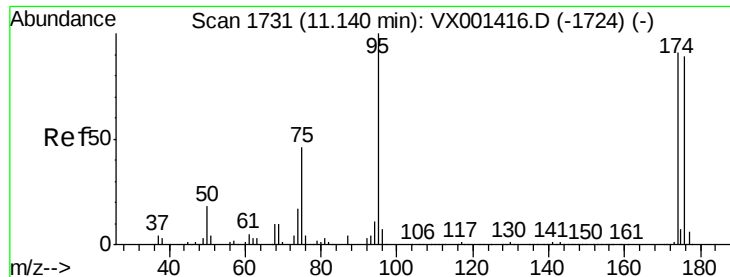
91 167.3 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

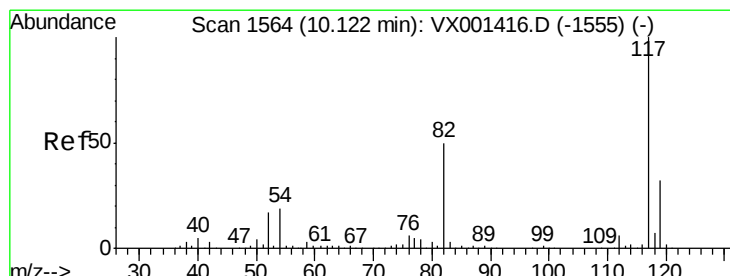
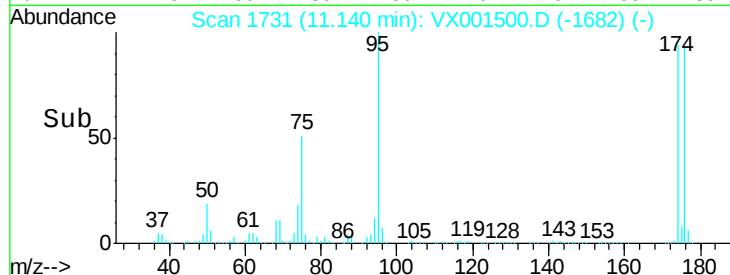
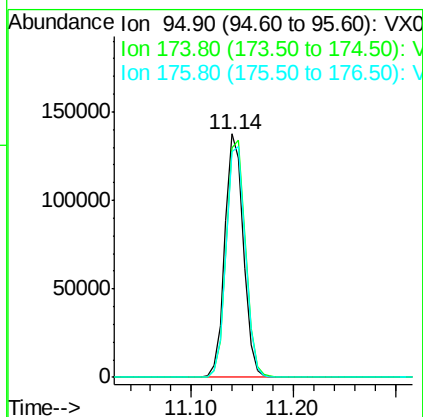
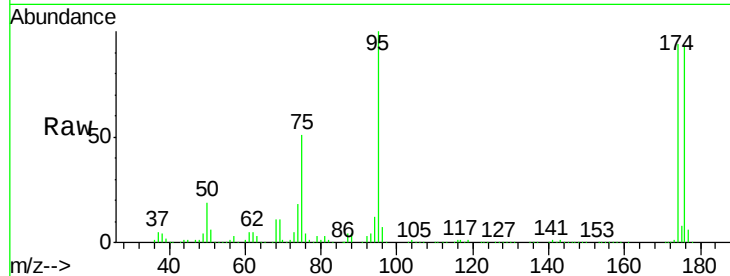




#62
4-Bromofluorobenzene
Concen: 38.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

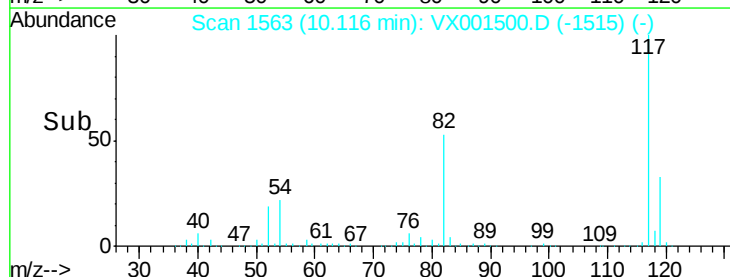
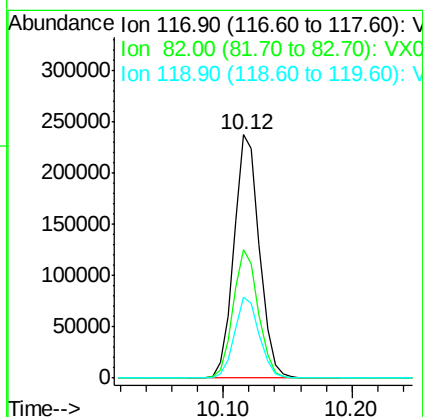
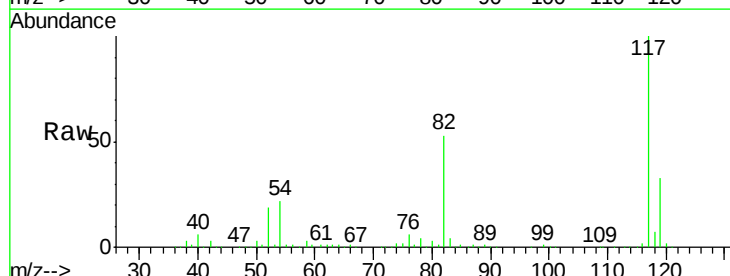
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR5-0518

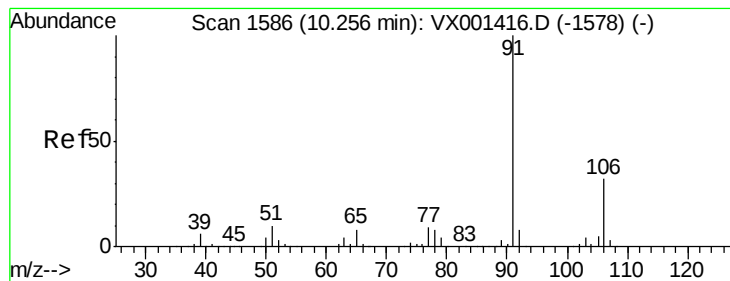
Tgt Ion: 95 Resp: 173025
Ion Ratio Lower Upper
95 100
174 100.4 0.0 202.0
176 98.5 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

Tgt Ion: 117 Resp: 326417
Ion Ratio Lower Upper
117 100
82 53.0 40.0 60.0
119 33.2 25.8 38.8





#67

Ethyl Benzene

Concen: 0.81 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

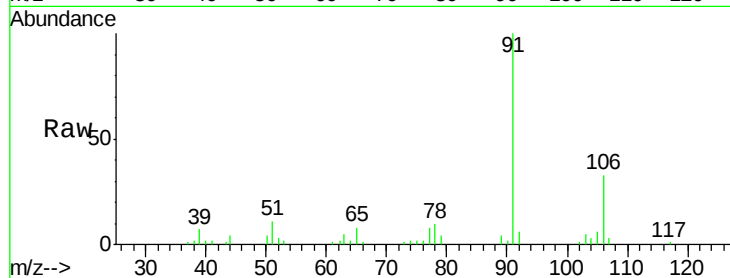
CB-TCLP-VAR5-0518

Tgt Ion: 91 Resp: 12721

Ion Ratio Lower Upper

91 100

106 33.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX001416.D (-1578) (-)

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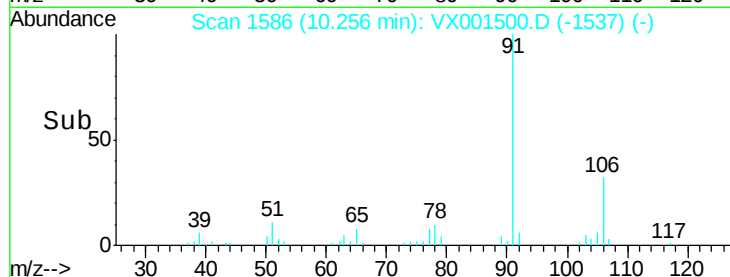
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Abundance Ion 91.00 (90.70 to 91.70): VX001500.D (-1537) (-)

Ion 106.00 (105.70 to 106.70): VX001500.D (-1537) (-)

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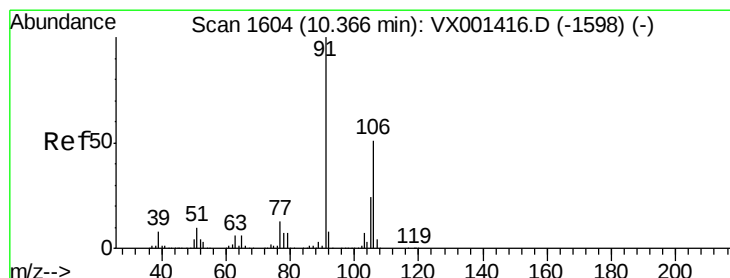
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#68

m/p-Xylenes

Concen: 3.80 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX001500.D

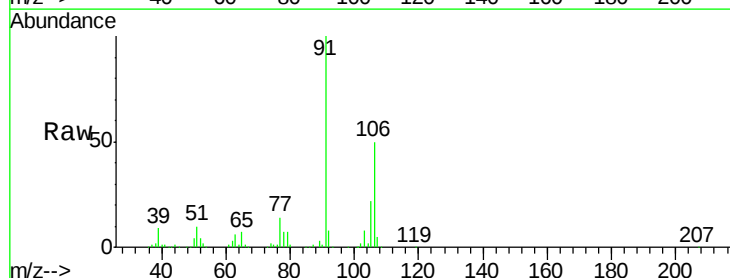
Acq: 08 May 2018 07:19

Tgt Ion: 106 Resp: 23541

Ion Ratio Lower Upper

106 100

91 204.0 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX001416.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX001416.D (-1598) (-)

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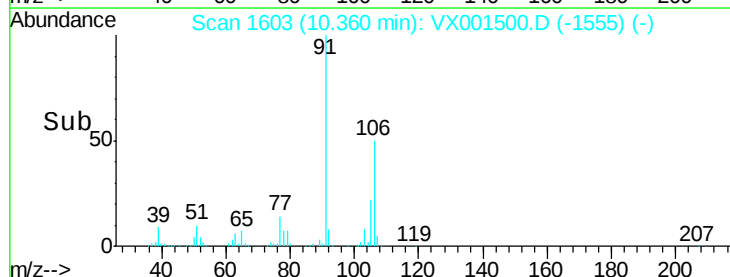
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Abundance Ion 106.00 (105.70 to 106.70): VX001500.D (-1555) (-)

Ion 91.00 (90.70 to 91.70): VX001500.D (-1555) (-)

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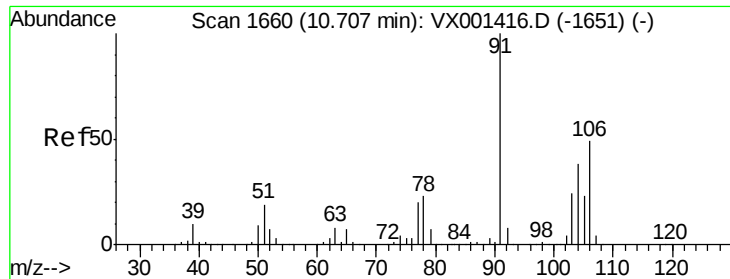
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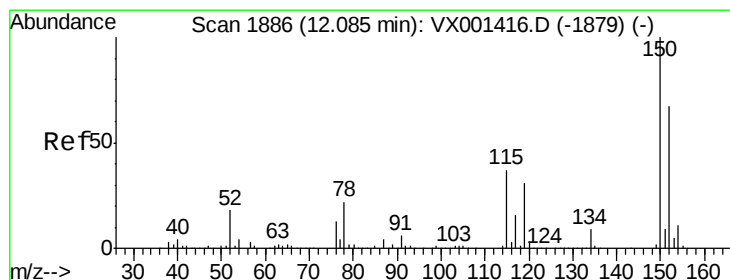
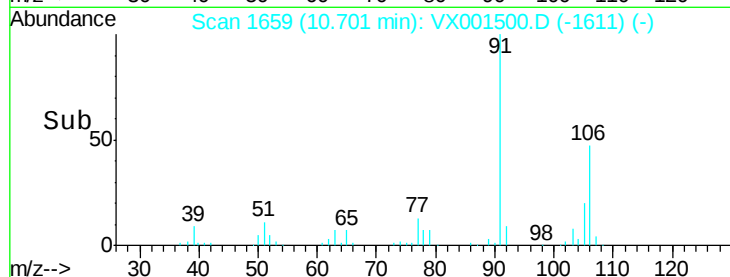
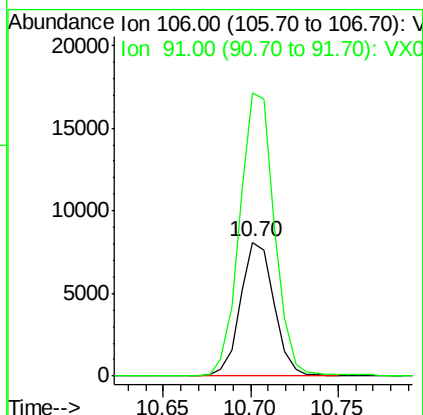
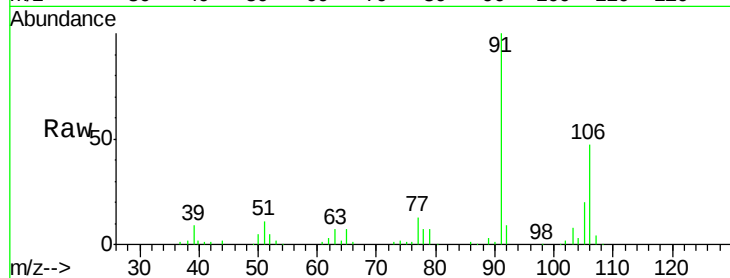
10.36



#69
o-Xylene
Concen: 1.79 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

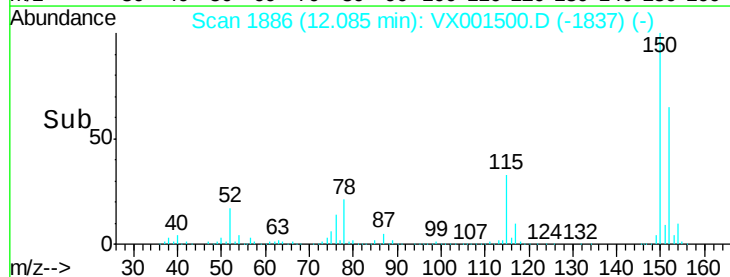
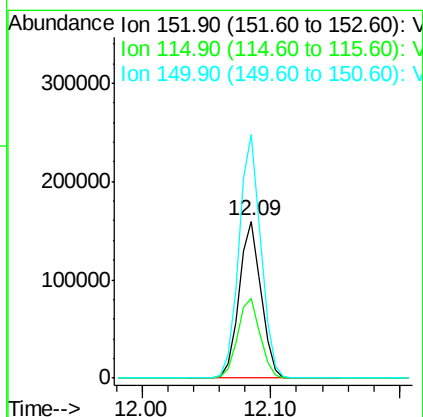
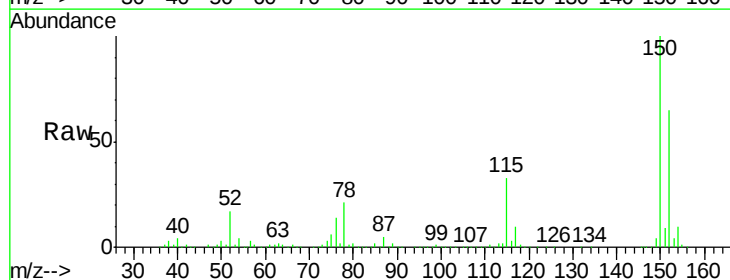
Instrument :
MSVOA_X
ClientSampleId :
CB-TCLP-VAR5-0518

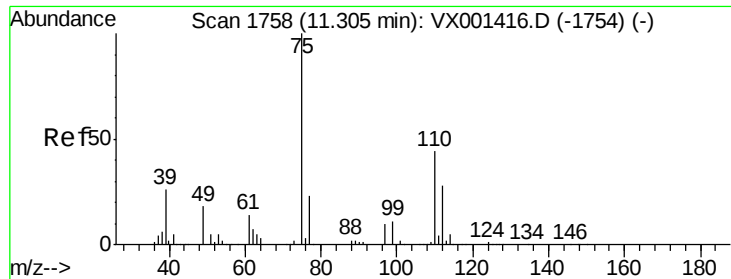
Tgt Ion:106 Resp: 10763
Ion Ratio Lower Upper
106 100
91 220.5 103.1 309.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001500.D
Acq: 08 May 2018 07:19

Tgt Ion:152 Resp: 187687
Ion Ratio Lower Upper
152 100
115 52.2 37.7 113.1
150 155.4 0.0 349.4

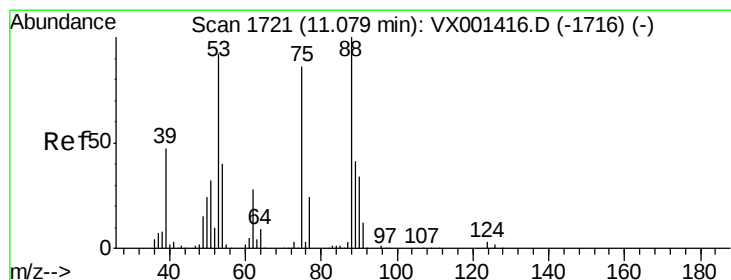
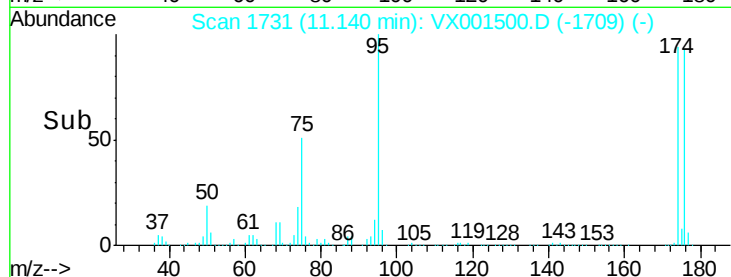
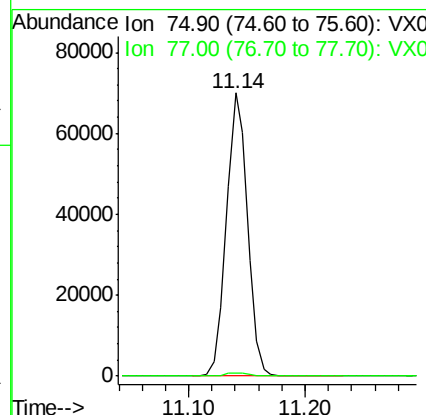
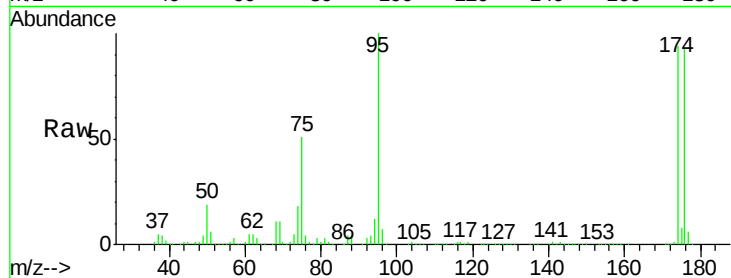




#76
 1,2,3-Trichloropropane
 Concen: 22.92 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

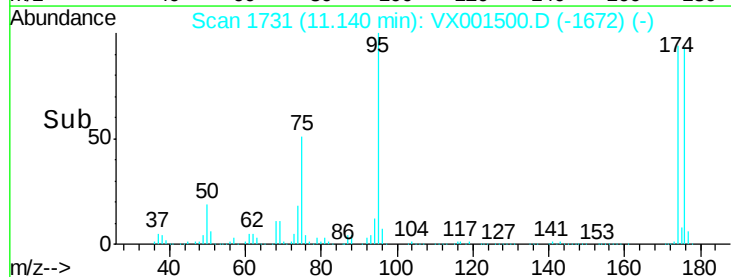
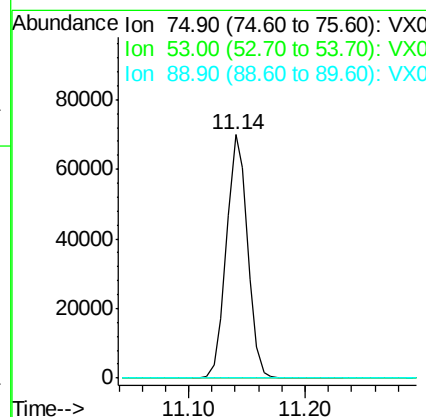
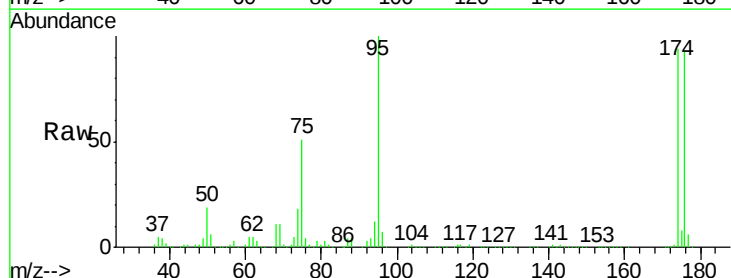
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-TCLP-VAR5-0518

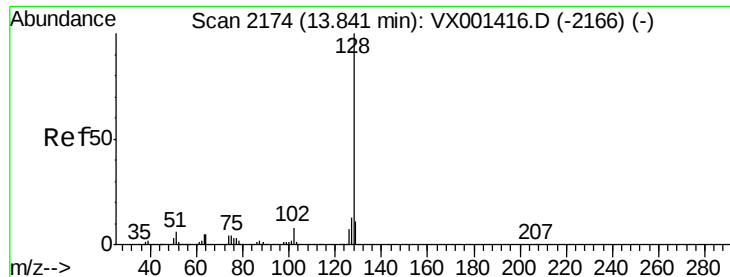
Tgt Ion: 75 Resp: 87259
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.11 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001500.D
 Acq: 08 May 2018 07:19

Tgt Ion: 75 Resp: 87259
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 19.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001500.D

Acq: 08 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

CB-TCLP-VAR5-0518

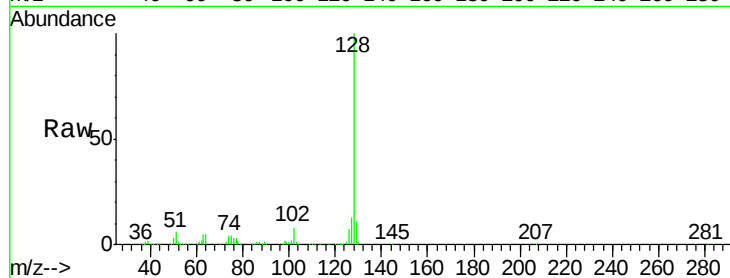
Tgt Ion:128 Resp: 269084

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.7 13.1



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

