

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001486.D
 Acq On : 08 May 2018 01:07
 Operator : JC/MD
 Sample : J2680-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-C

Quant Time: May 08 06:14:52 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	251350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171390	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170655	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	5.51	113	130619	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
50) Toluene-d8	8.72	98	475467	42.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.76%	
62) 4-Bromofluorobenzene	11.14	95	156902	36.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.86%	

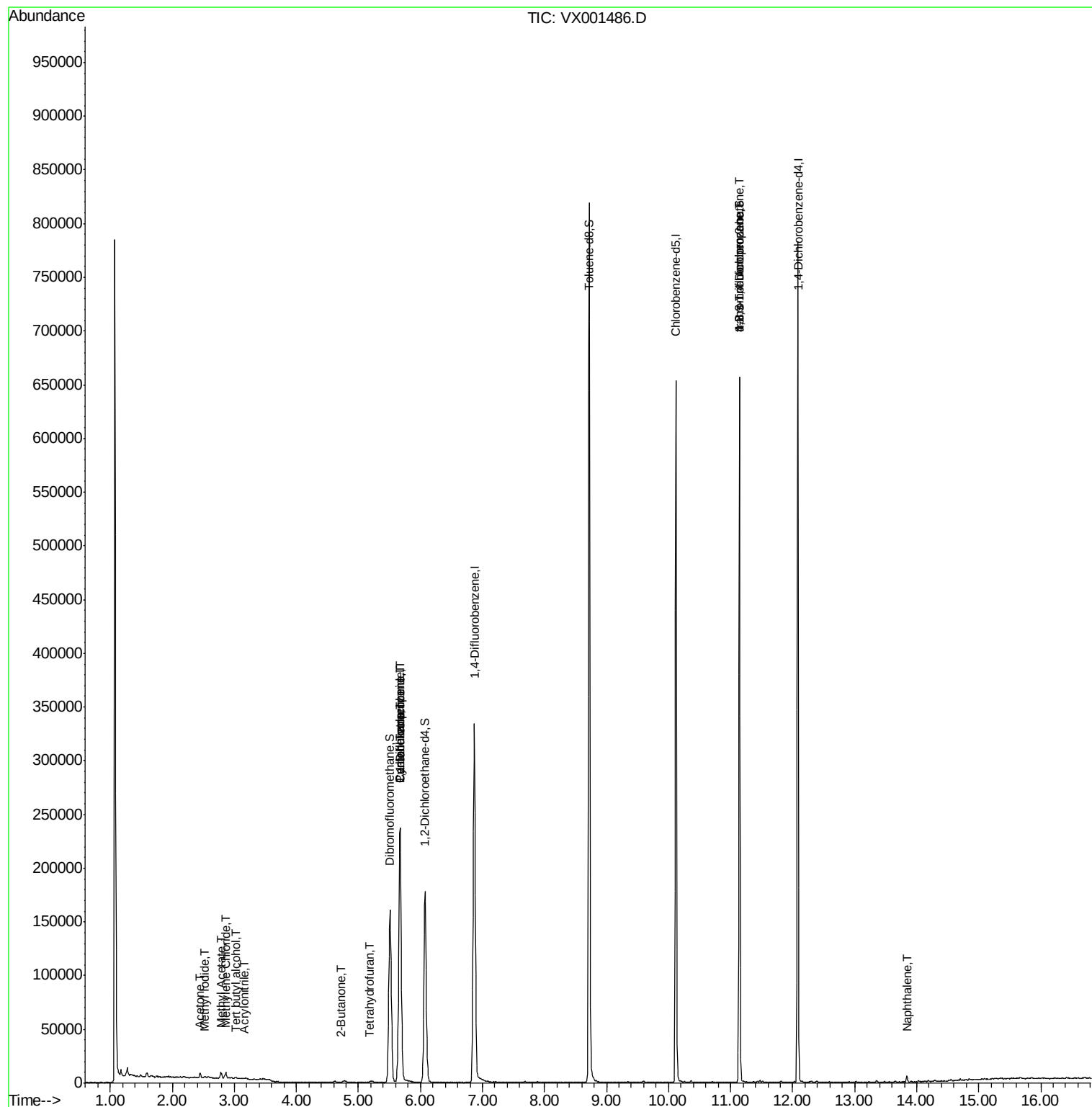
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1325	Below Cal		85
10) Methyl Iodide	2.52	142	1466	0.33	ug/l	95
11) Tert butyl alcohol	3.03	59	849	1.11	ug/l #	86
13) Acrolein	2.29	56	126	Below Cal	#	73
15) Acrylonitrile	3.15	53	448	0.26	ug/l #	70
16) Acetone	2.45	43	5105	3.11	ug/l	90
18) Methyl Acetate	2.78	43	5955	1.38	ug/l	97
20) Methylene Chloride	2.86	84	2256	0.69	ug/l #	92
25) 2-Butanone	4.72	43	1284	0.54	ug/l	99
29) Tetrahydrofuran	5.18	42	1023	0.67	ug/l #	63
31) Cyclohexane	5.67	56	4286	0.92	ug/l #	20
36) 1,1-Dichloropropene	5.67	75	15592	3.55	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21916	4.68	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	80320	23.11	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	80320	71.64	ug/l #	7
95) Naphthalene	13.84	128	3502	0.28	ug/l #	96

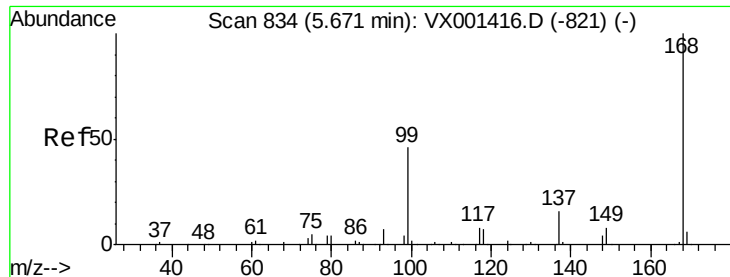
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

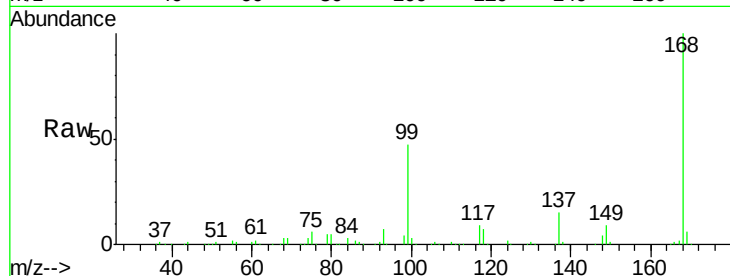
PL-02-050418-C

Tgt Ion:168 Resp: 251350

Ion Ratio Lower Upper

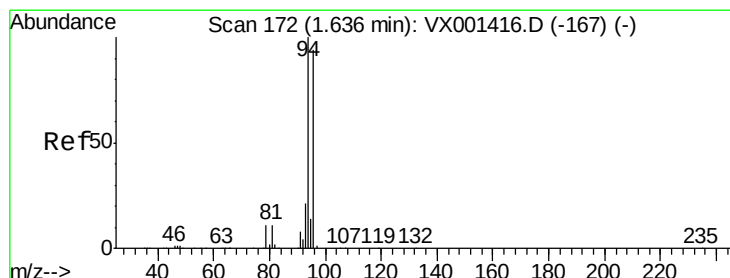
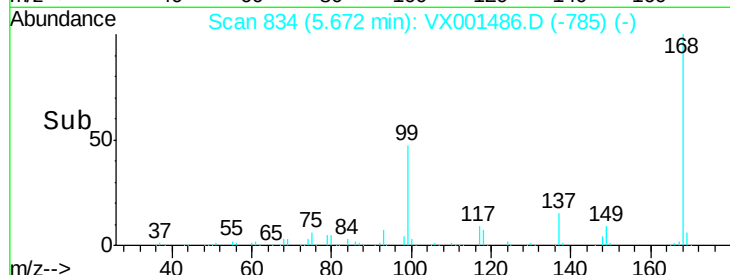
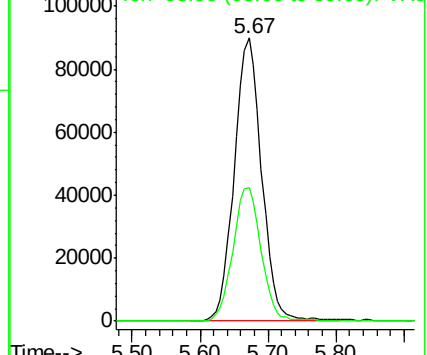
168 100

99 47.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001486.D

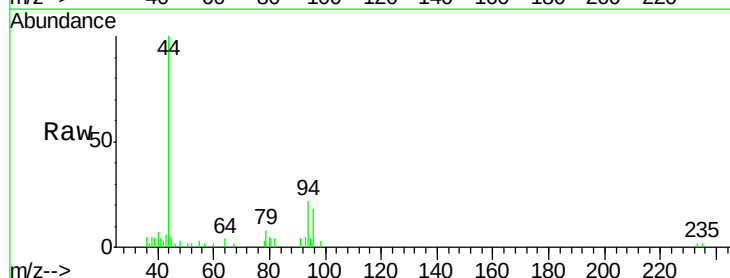
Acq: 08 May 2018 01:07

Tgt Ion: 94 Resp: 1325

Ion Ratio Lower Upper

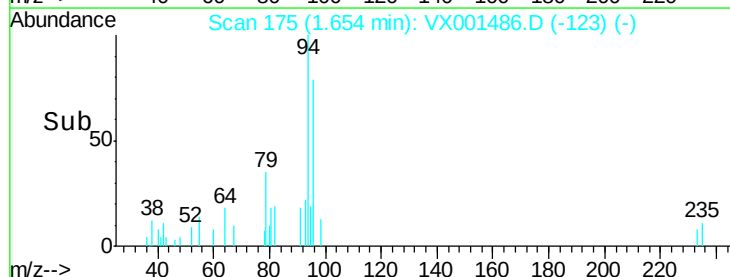
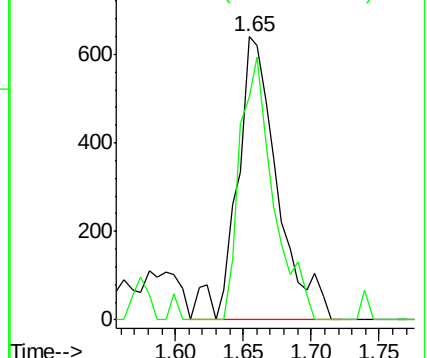
94 100

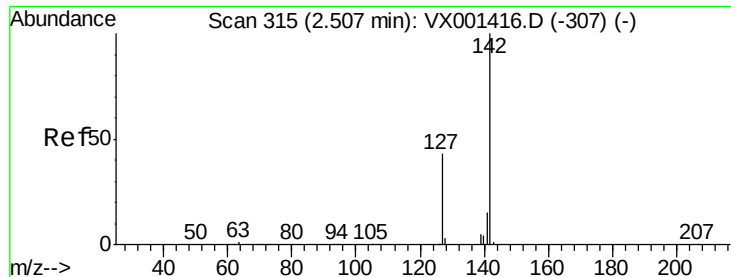
96 78.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

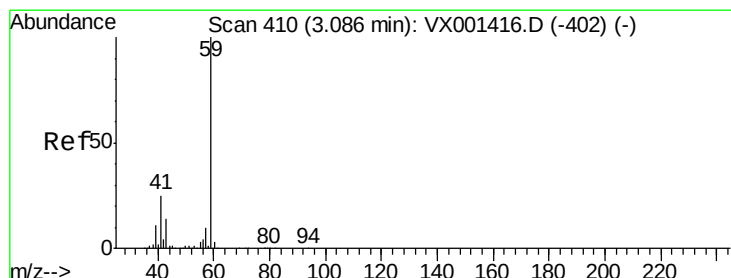
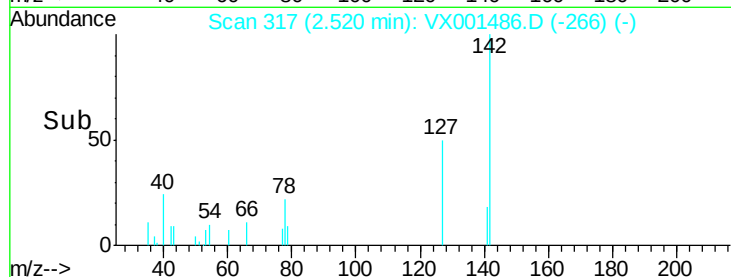
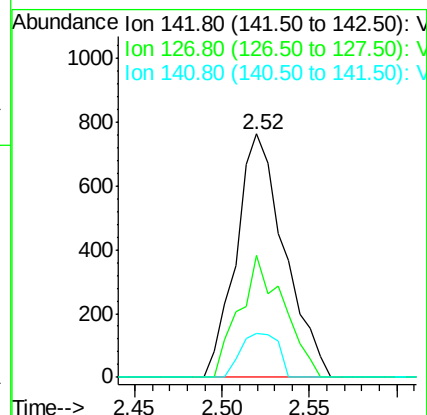
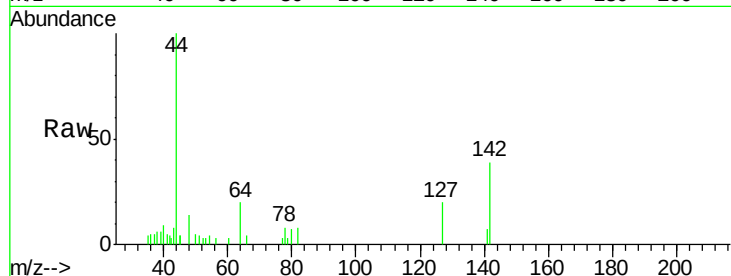




#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

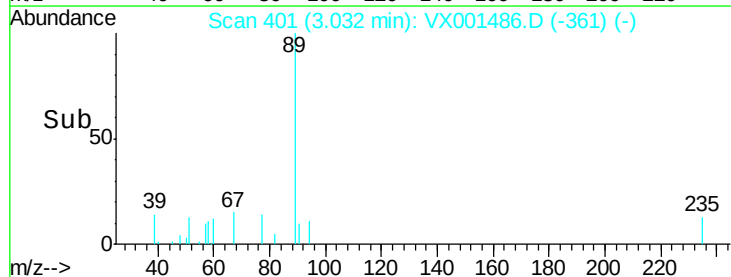
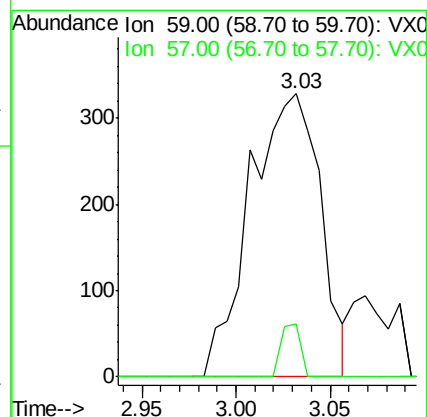
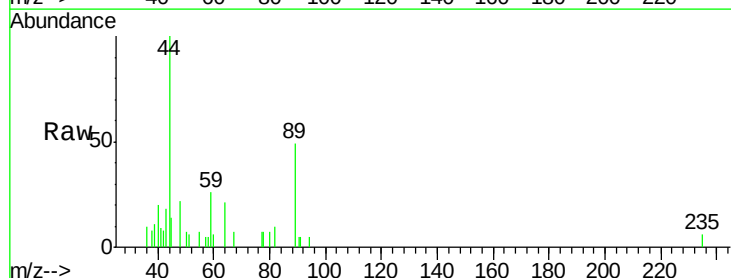
Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-C

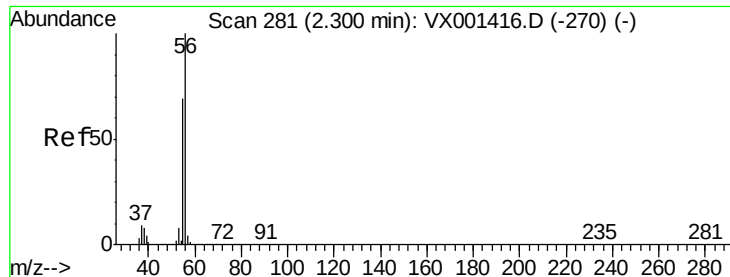
Tgt Ion: 142 Resp: 1466
Ion Ratio Lower Upper
142 100
127 46.0 33.6 50.4
141 14.1 11.4 17.2



#11
Tert butyl alcohol
Concen: 1.11 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

Tgt Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 5.2 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

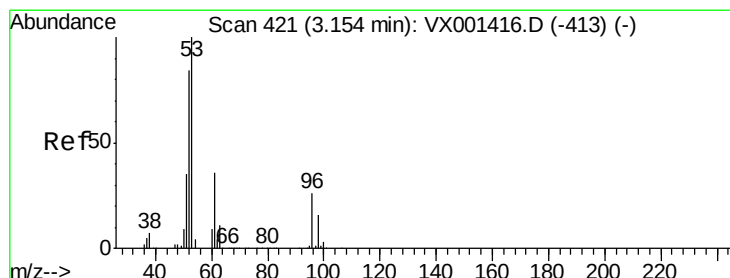
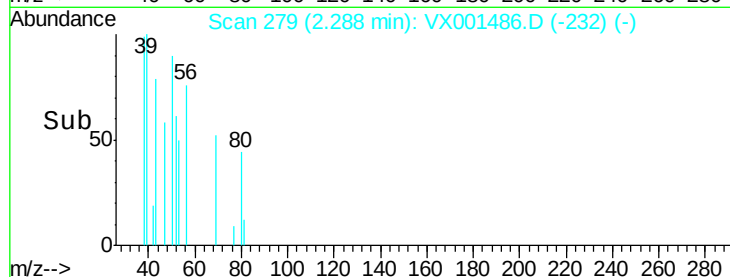
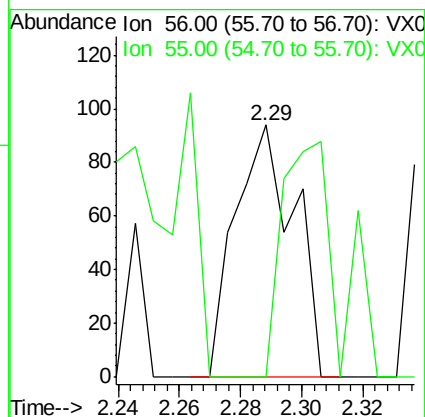
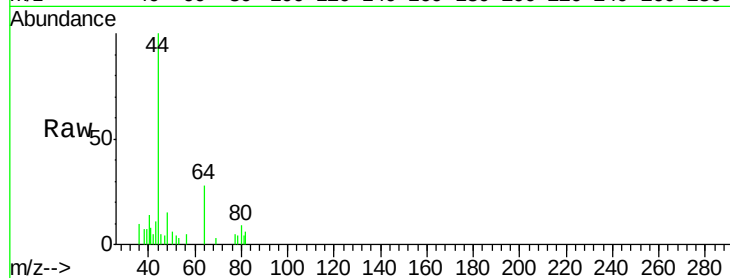
PL-02-050418-C

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 89.7 54.5 81.7#



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

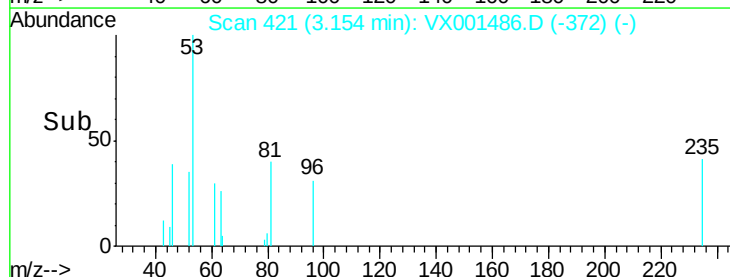
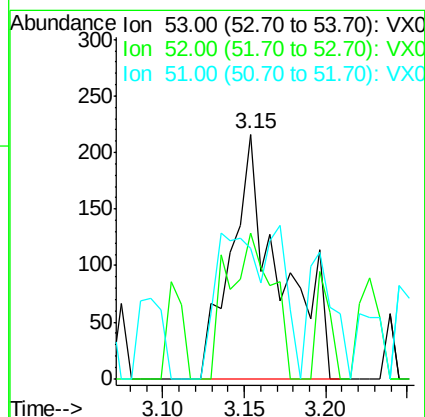
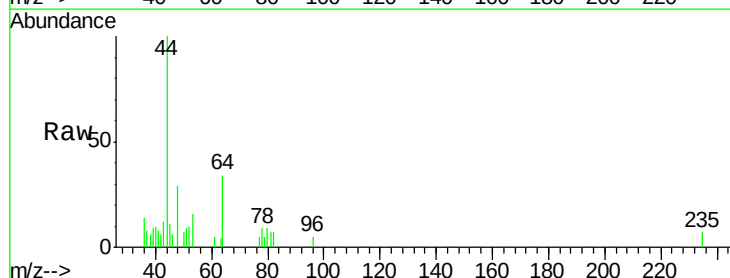
Tgt Ion: 53 Resp: 448

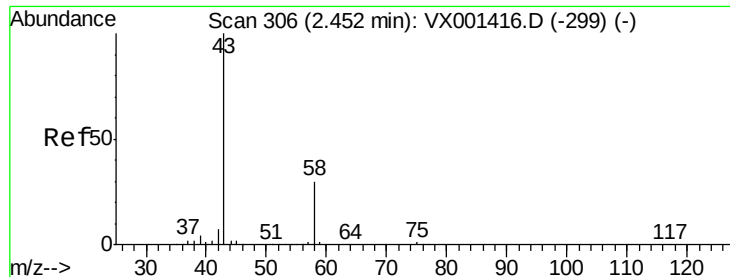
Ion Ratio Lower Upper

53 100

52 54.9 66.2 99.2#

51 51.6 28.6 43.0#





#16

Acetone

Concen: 3.11 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

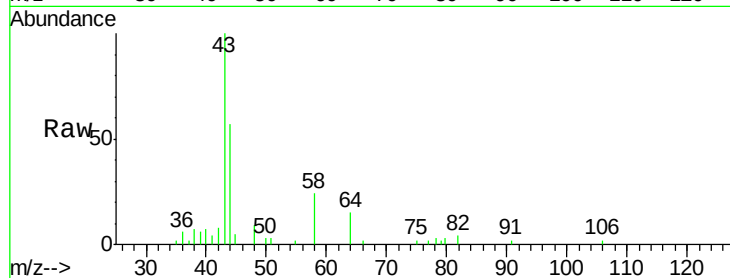
PL-02-050418-C

Tgt Ion: 43 Resp: 5105

Ion Ratio Lower Upper

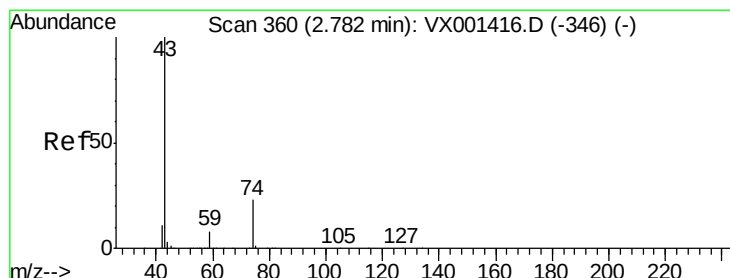
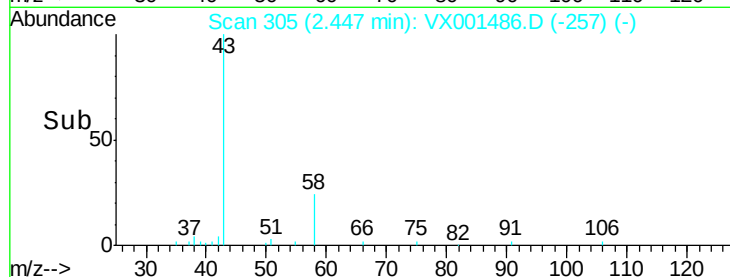
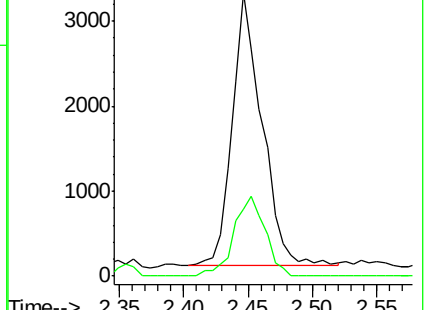
43 100

58 24.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.38 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001486.D

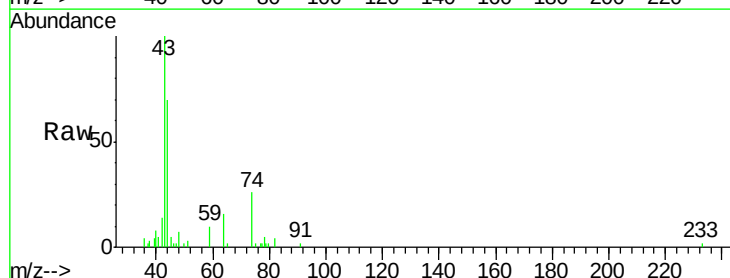
Acq: 08 May 2018 01:07

Tgt Ion: 43 Resp: 5955

Ion Ratio Lower Upper

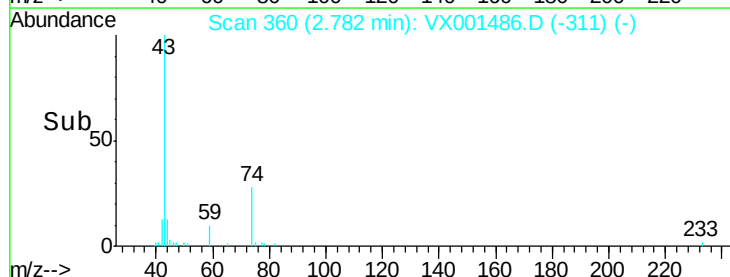
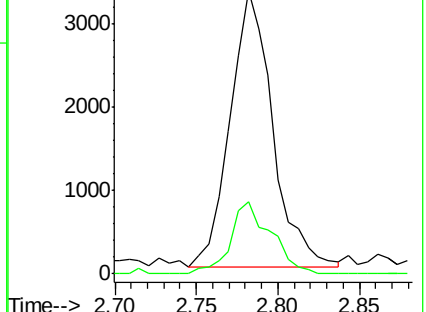
43 100

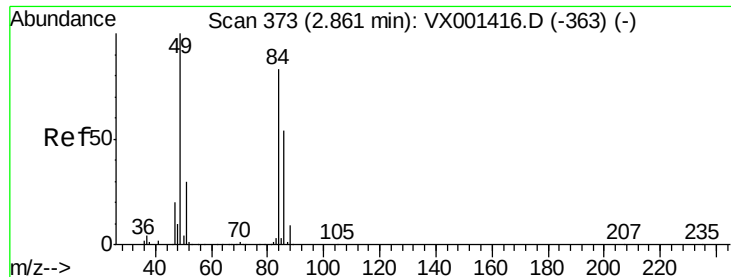
74 24.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

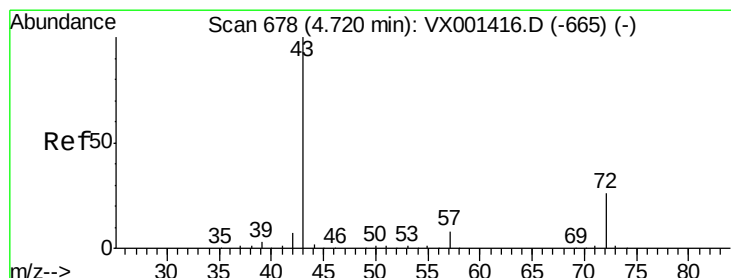
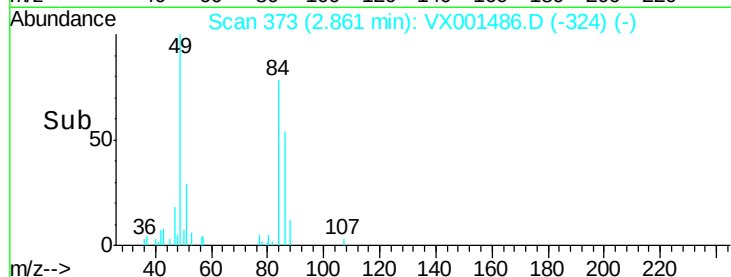
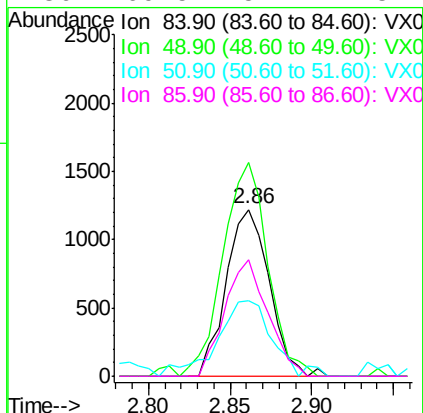
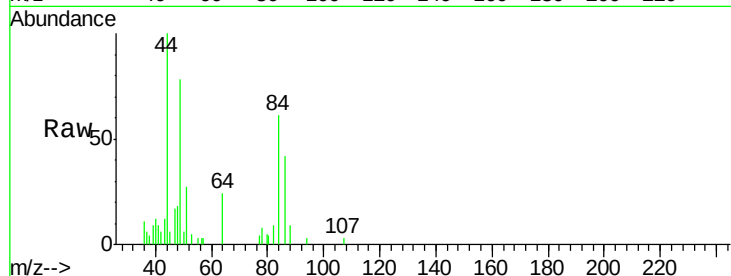




#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

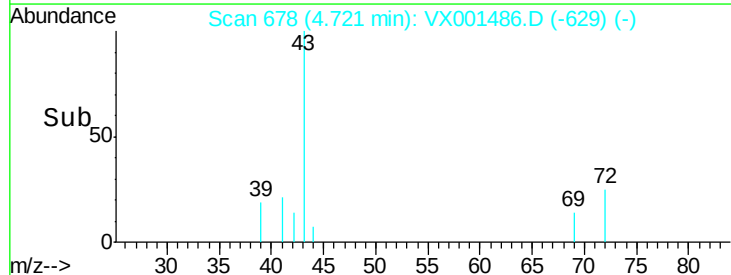
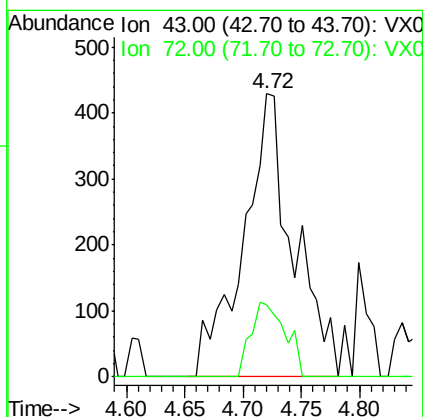
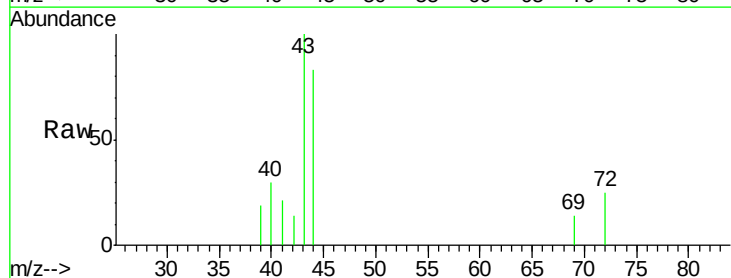
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PL-02-050418-C

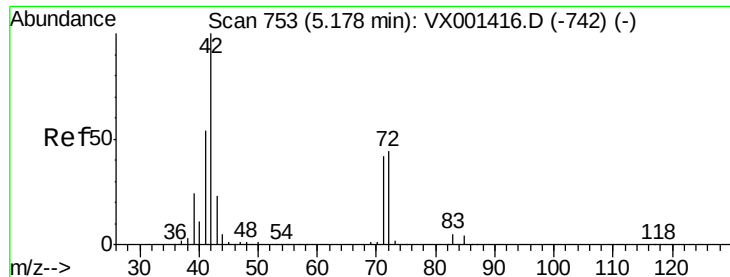
Tgt Ion: 84 Resp: 2256
Ion Ratio Lower Upper
84 100
49 128.0 96.6 144.8
51 45.0 29.0 43.4#
86 69.5 52.2 78.4



#25
2-Butanone
Concen: 0.54 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
72 25.4 20.7 31.1





#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-C

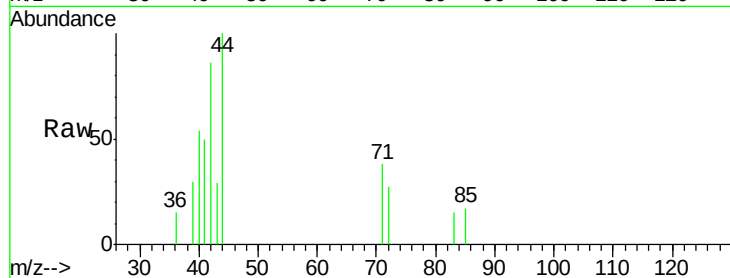
Tgt Ion: 42 Resp: 1023

Ion Ratio Lower Upper

42 100

72 16.0 35.4 53.2#

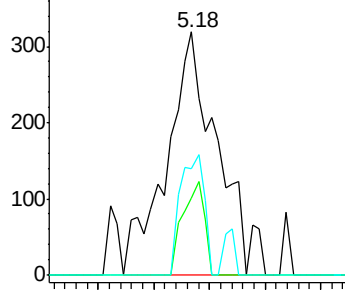
71 23.0 33.0 49.4#



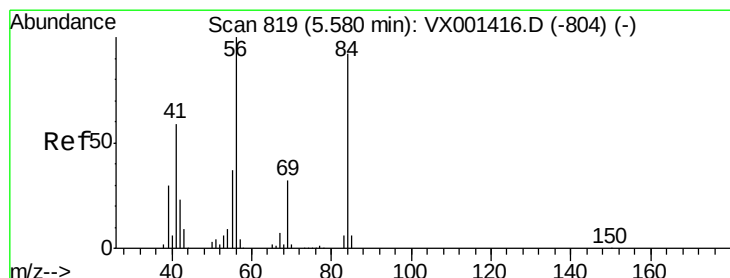
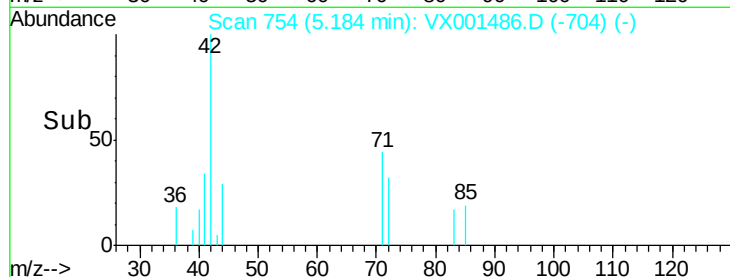
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

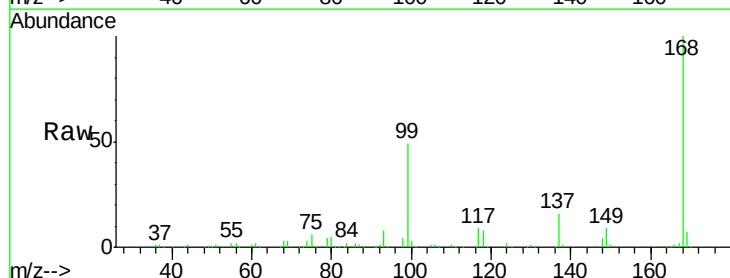
Tgt Ion: 56 Resp: 4286

Ion Ratio Lower Upper

56 100

69 181.6 25.4 38.0#

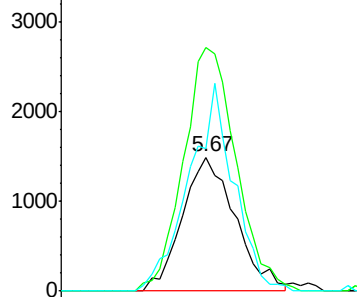
84 106.0 73.8 110.8



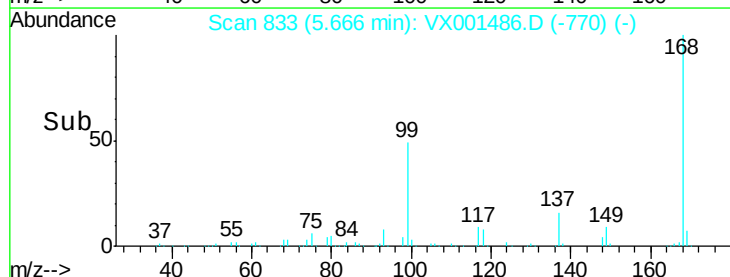
Abundance Ion 56.00 (55.70 to 56.70): VX0

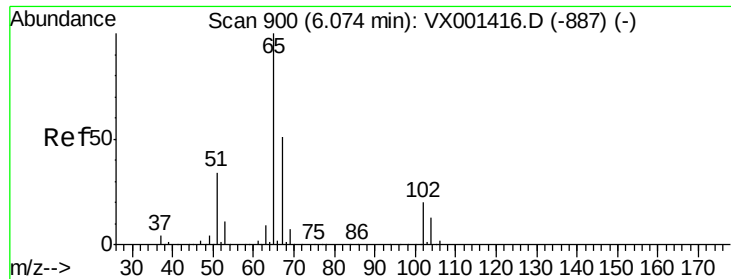
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

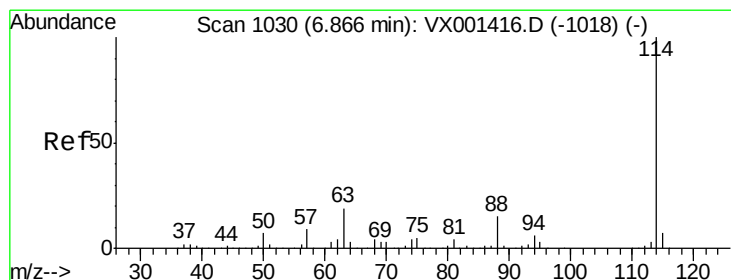
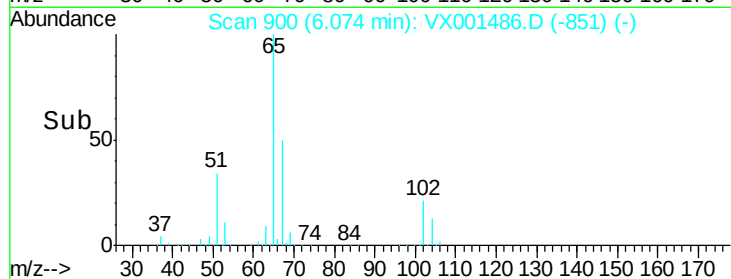
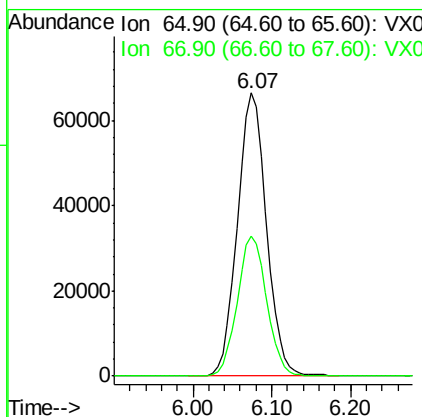
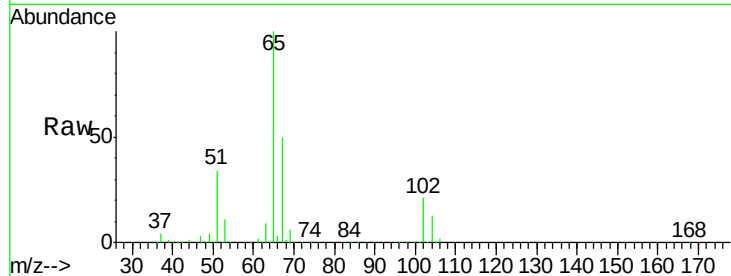




#33
 1,2-Dichloroethane-d4
 Concen: 47.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001486.D
 Acq: 08 May 2018 01:07

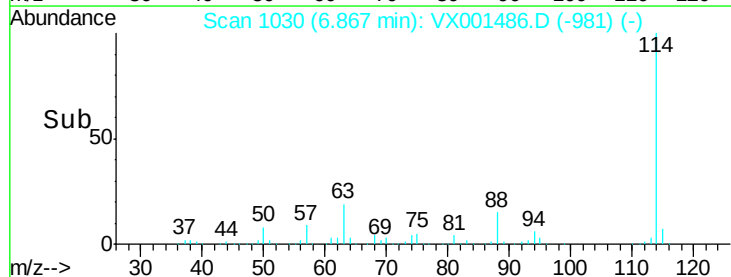
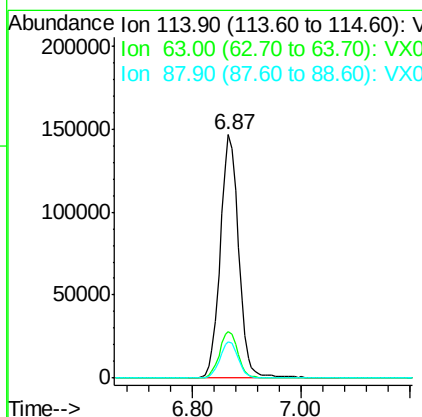
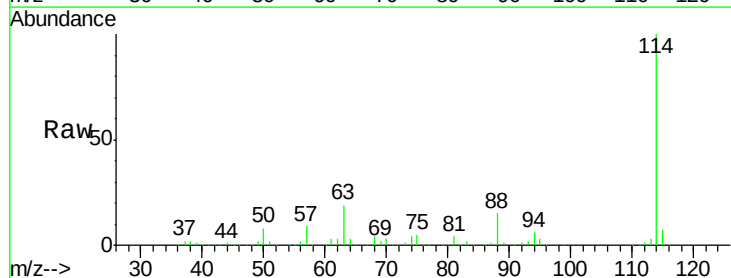
Instrument :
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 PL-02-050418-C

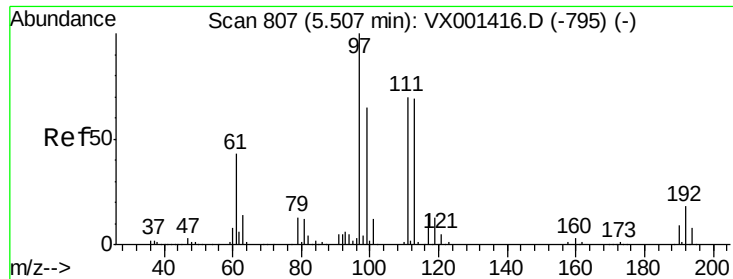
Tgt Ion: 65 Resp: 170655
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001486.D
 Acq: 08 May 2018 01:07

Tgt Ion: 114 Resp: 345513
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 14.8 0.0 30.8

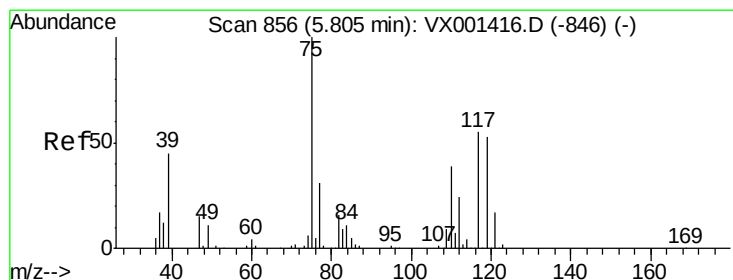
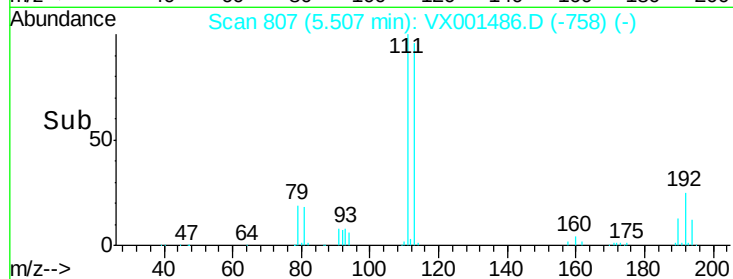
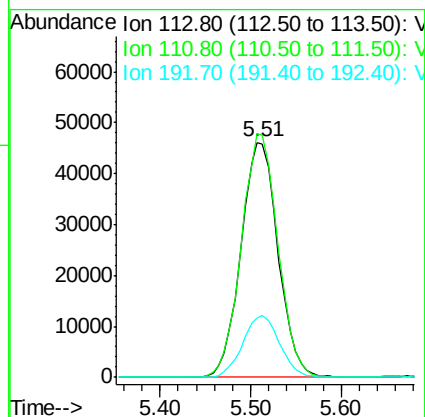
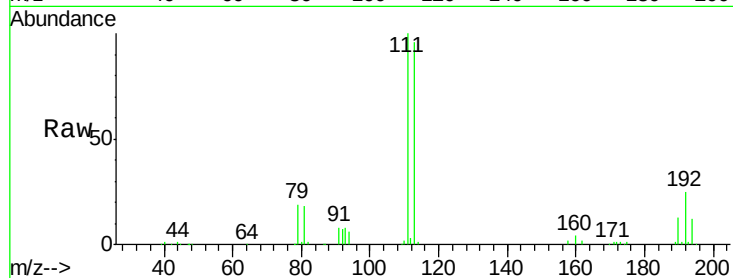




#35
 Dibromofluoromethane
 Concen: 42.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001486.D
 Acq: 08 May 2018 01:07

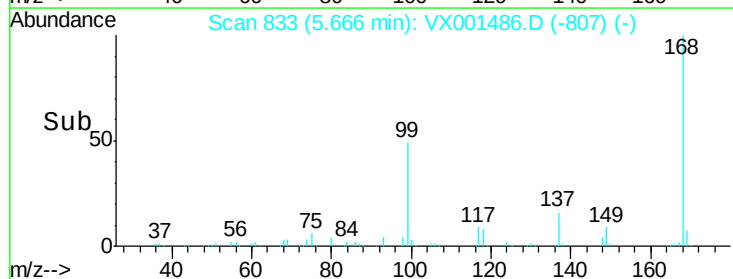
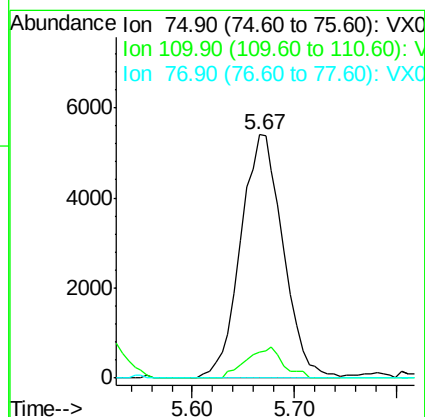
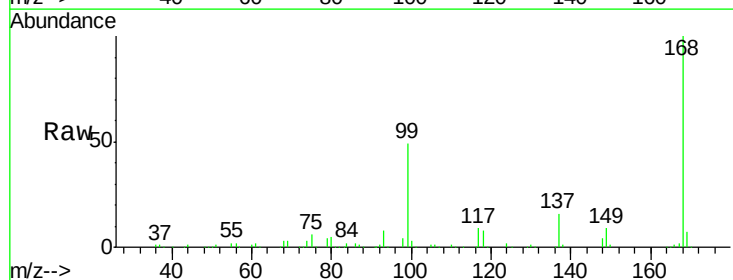
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-C

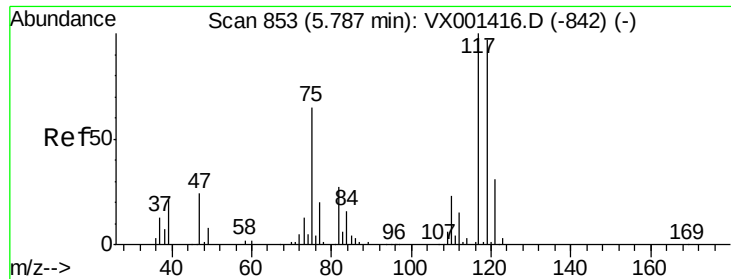
Tgt Ion:113 Resp: 130619
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 26.3 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.55 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001486.D
 Acq: 08 May 2018 01:07

Tgt Ion: 75 Resp: 15592
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-C

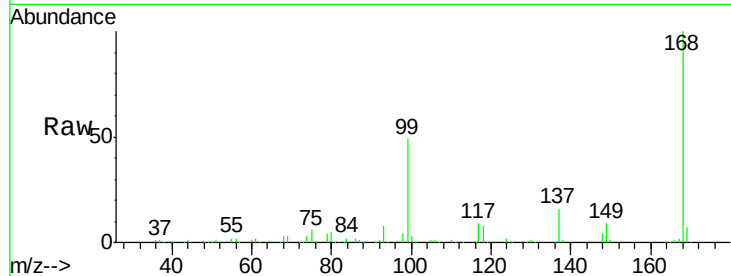
Tgt Ion:117 Resp: 21916

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.6#

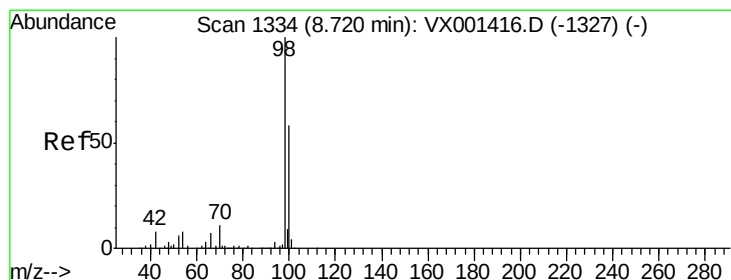
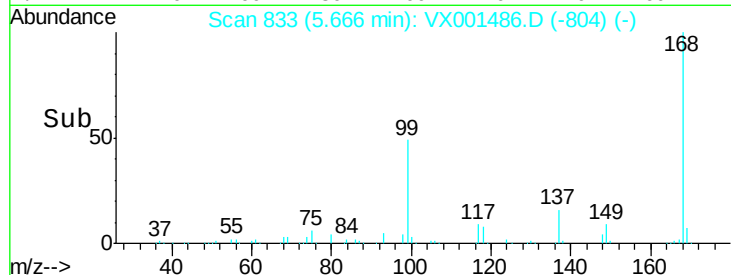
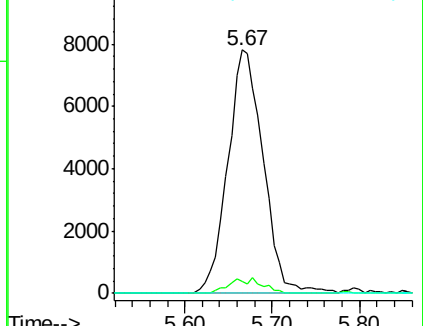
121 0.0 25.1 37.7#



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: 42.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001486.D

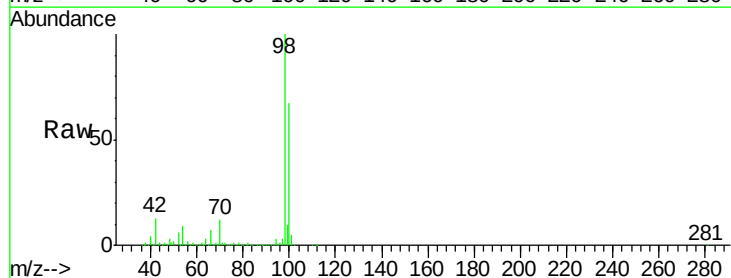
Acq: 08 May 2018 01:07

Tgt Ion: 98 Resp: 475467

Ion Ratio Lower Upper

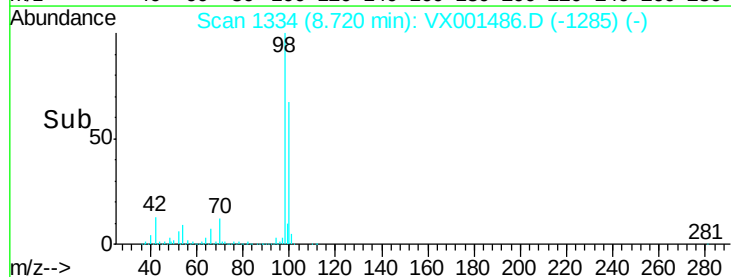
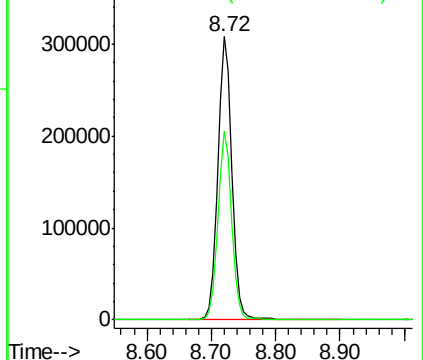
98 100

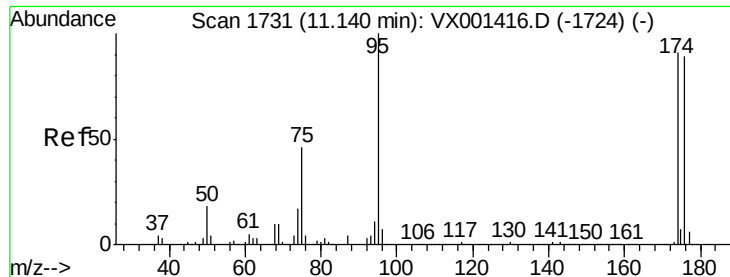
100 65.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 36.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-C

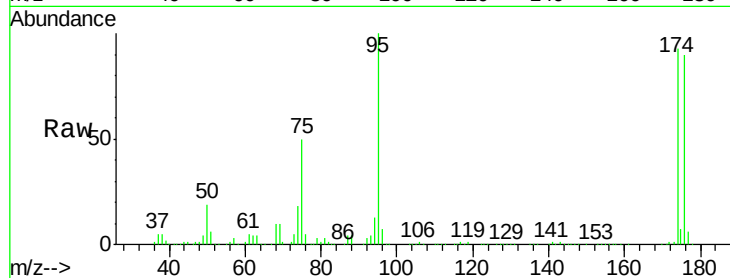
Tgt Ion: 95 Resp: 156902

Ion Ratio Lower Upper

95 100

174 101.0 0.0 202.0

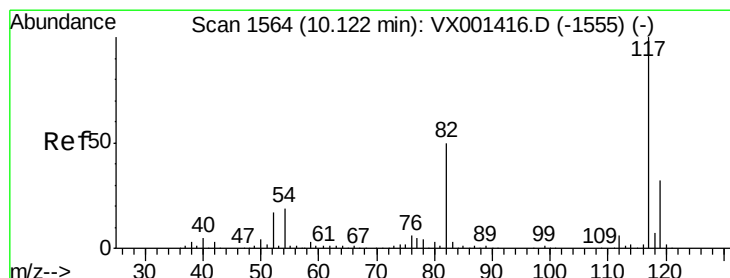
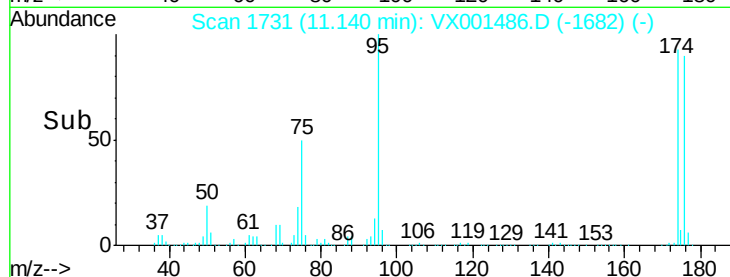
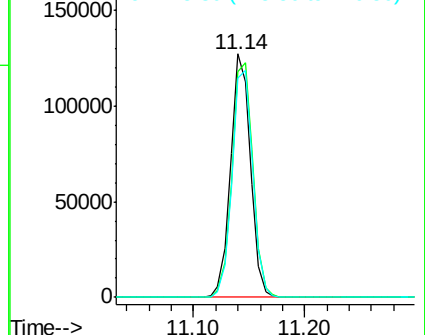
176 97.3 0.0 197.4



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: VX001486.D

Acq: 08 May 2018 01:07

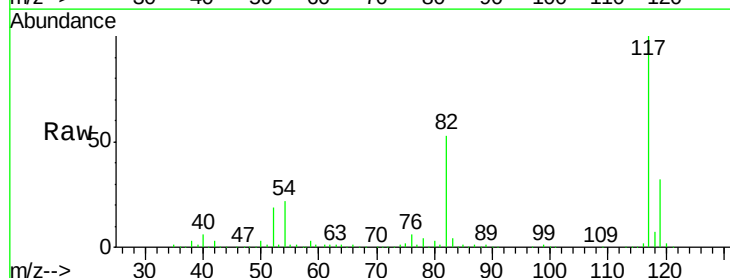
Tgt Ion: 117 Resp: 307150

Ion Ratio Lower Upper

117 100

82 52.8 40.0 60.0

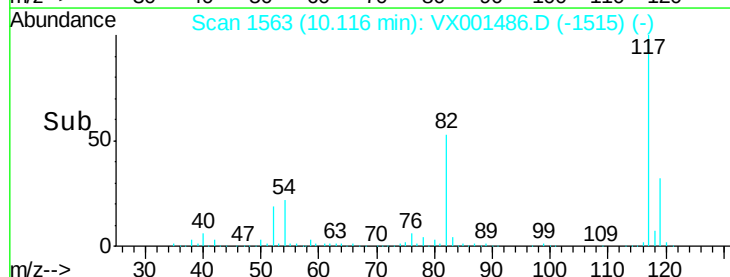
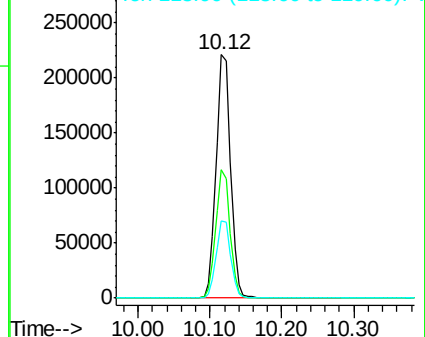
119 31.6 25.8 38.8

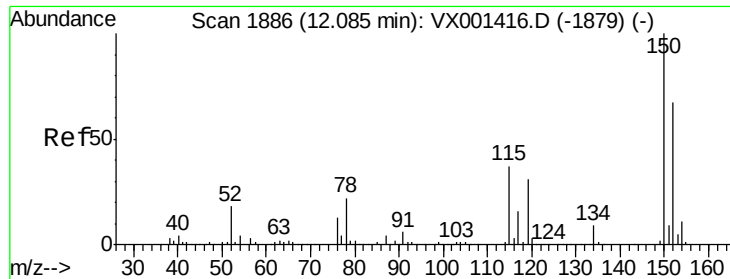


Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)

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: VX001486.D

Acq: 08 May 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-C

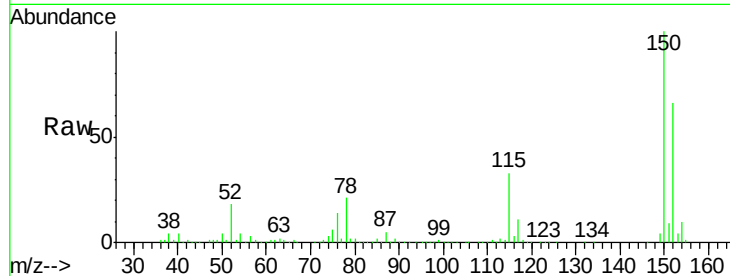
Tgt Ion:152 Resp: 171390

Ion Ratio Lower Upper

152 100

115 52.1 37.7 113.1

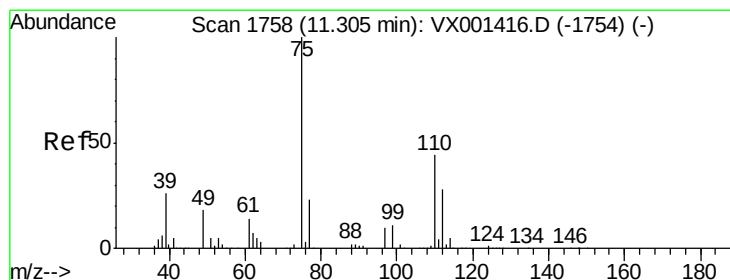
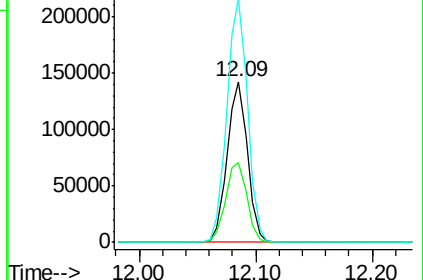
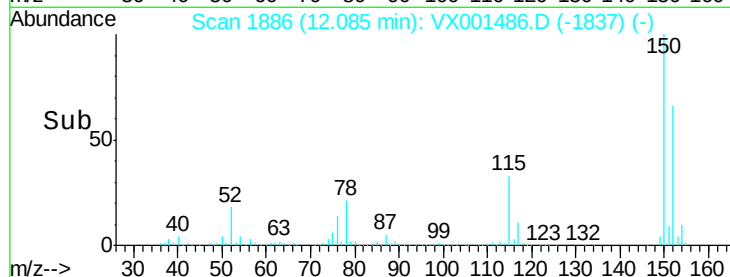
150 155.0 0.0 349.4



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: 23.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001486.D

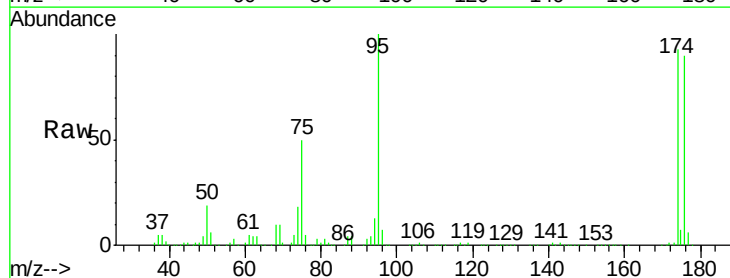
Acq: 08 May 2018 01:07

Tgt Ion: 75 Resp: 80320

Ion Ratio Lower Upper

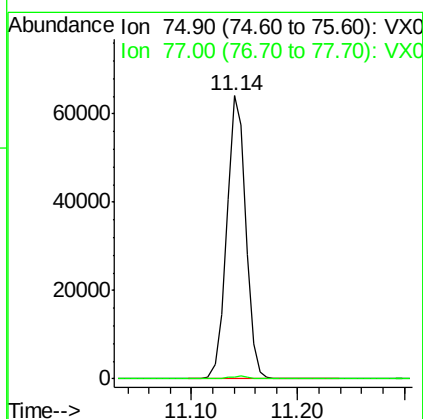
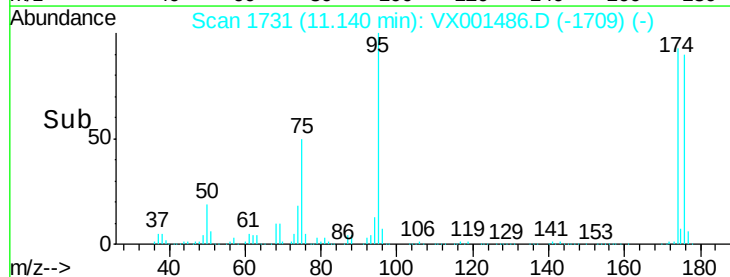
75 100

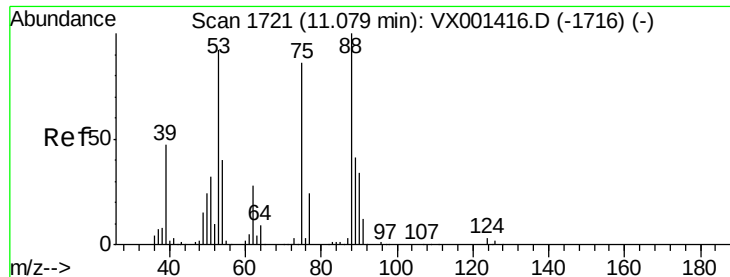
77 1.1 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

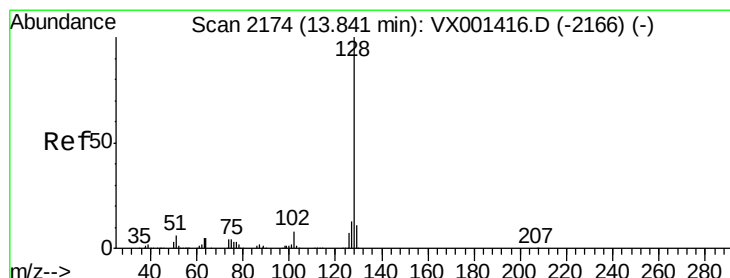
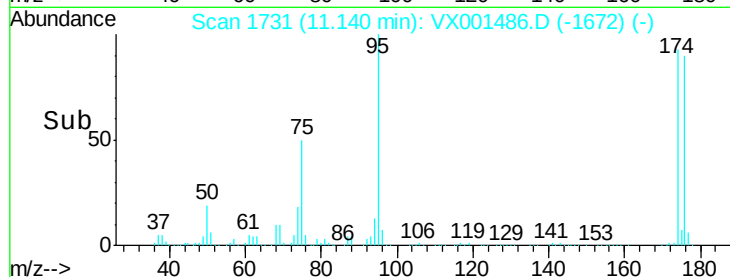
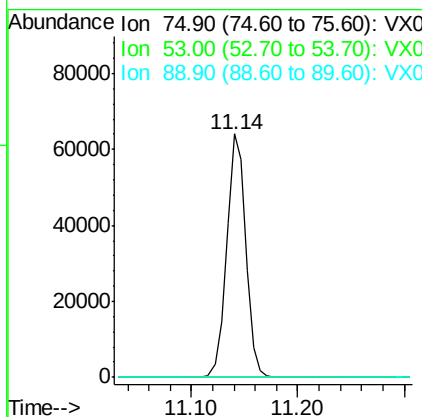
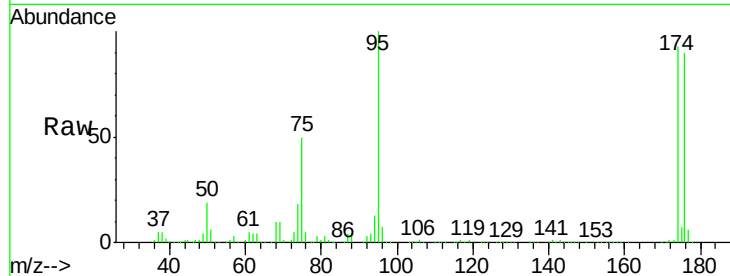




#81
trans-1,4-Dichloro-2-butene
Concen: 71.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-C

Tgt Ion: 75 Resp: 80320
Ion Ratio Lower Upper
75 100
53 0.1 84.5 126.7#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 0.28 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001486.D
Acq: 08 May 2018 01:07

Tgt Ion: 128 Resp: 3502
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 13.6 8.7 13.1#

