

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001464.D
 Acq On : 07 May 2018 14:26
 Operator : JC/MD
 Sample : J2659-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HR-06-050418

Quant Time: May 08 06:06:00 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	271852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174809	50.00	ug/l	0.00

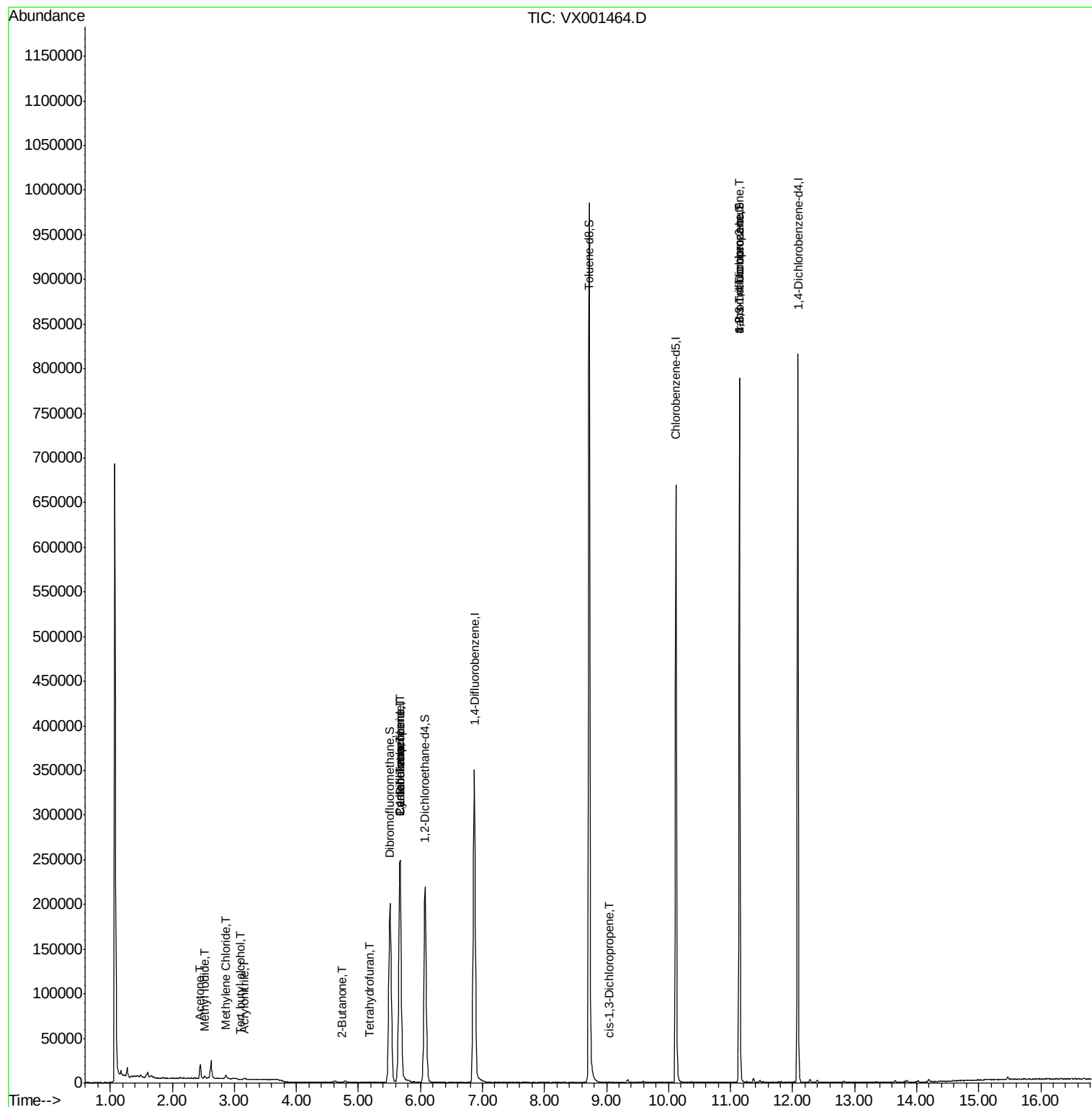
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	210144	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
35) Dibromofluoromethane	5.51	113	165167	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.72	98	590332	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.14	95	193571	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

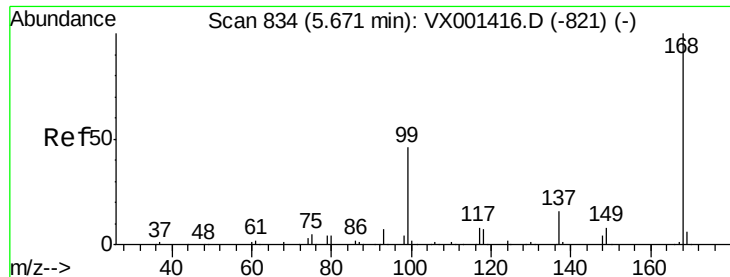
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1284	Below Cal		87
10) Methyl Iodide	2.52	142	2012	0.42	ug/l	96
11) Tert butyl alcohol	3.10	59	382	0.46	ug/l	98
13) Acrolein	2.31	56	210	Below Cal	#	61
15) Acrylonitrile	3.16	53	620	0.33	ug/l	73
16) Acetone	2.45	43	16323	9.20	ug/l	97
20) Methylene Chloride	2.86	84	1945	0.55	ug/l	91
25) 2-Butanone	4.73	43	822	0.32	ug/l	84
29) Tetrahydrofuran	5.18	42	492	0.30	ug/l	67
31) Cyclohexane	5.67	56	4812	0.96	ug/l	32
36) 1,1-Dichloropropene	5.67	75	16859	3.62	ug/l	50
38) Carbon Tetrachloride	5.67	117	23322	4.70	ug/l	16
54) cis-1,3-Dichloropropene	9.05	75	104	2.28	ug/l	2
76) 1,2,3-Trichloropropane	11.14	75	98026	27.65	ug/l	38
81) trans-1,4-Dichloro-2-buten	11.14	75	98026	84.88	ug/l	7

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

Instrument :
MSVOA_X
ClientSampleId :
HR-06-050418

Quant Time: May 08 06:06:00 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

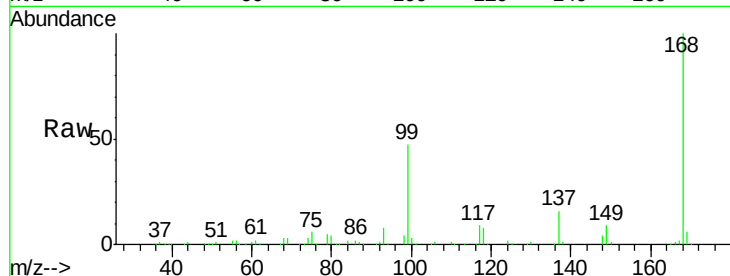
HR-06-050418

Tgt Ion:168 Resp: 271852

Ion Ratio Lower Upper

168 100

99 47.4 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

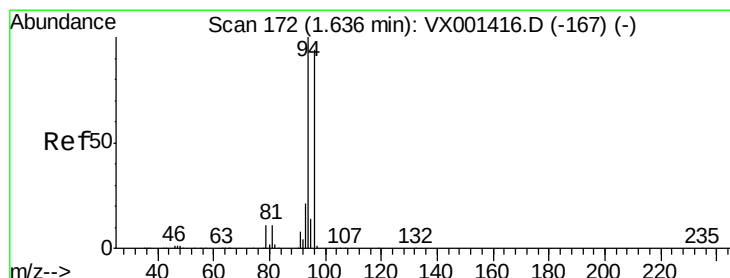
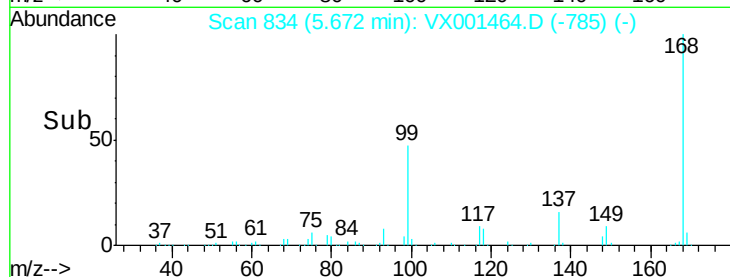
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001464.D

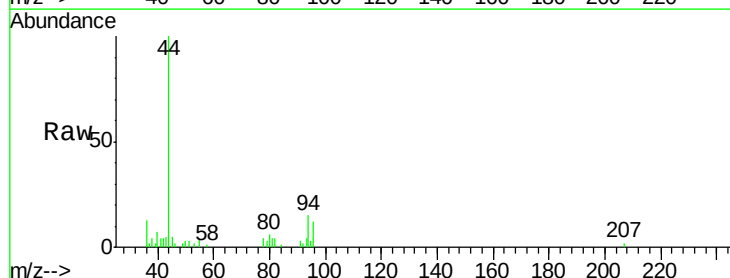
Acq: 07 May 2018 14:26

Tgt Ion: 94 Resp: 1284

Ion Ratio Lower Upper

94 100

96 81.1 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

500

400

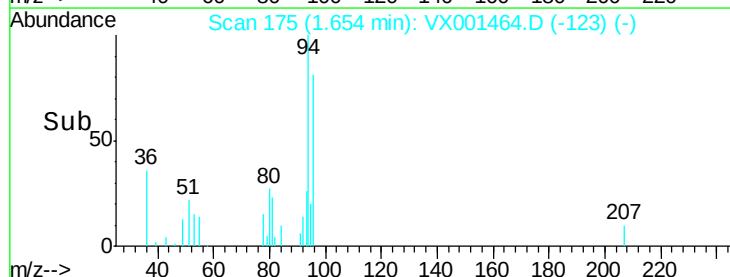
300

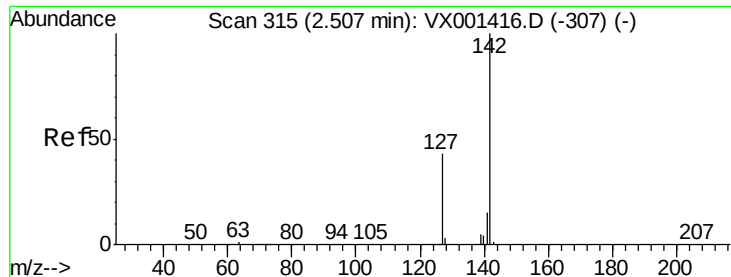
200

100

0

Time-->





#10

Methyl Iodide

Concen: 0.42 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampled :

HR-06-050418

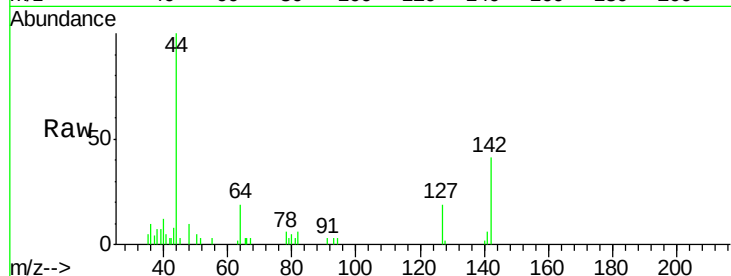
Tgt Ion: 142 Resp: 2012

Ion Ratio Lower Upper

142 100

127 44.8 33.6 50.4

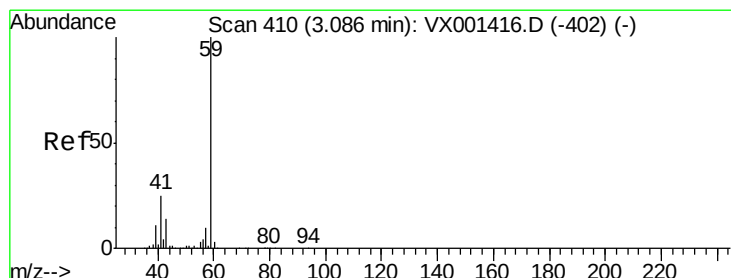
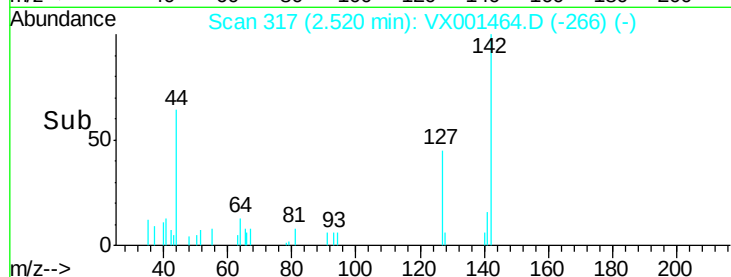
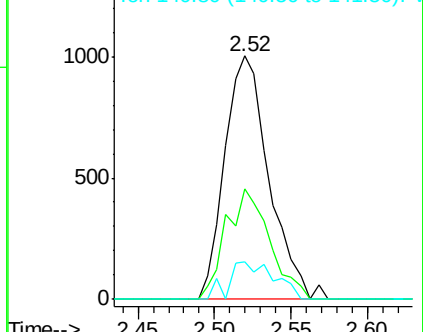
141 15.9 11.4 17.2



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: 0.46 ug/l

RT: 3.10 min Scan# 412

Delta R.T. 0.01 min

Lab File: VX001464.D

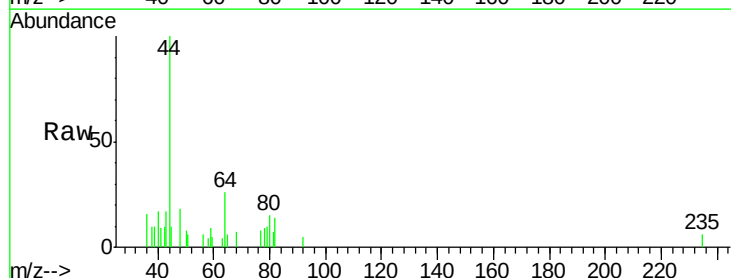
Acq: 07 May 2018 14:26

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

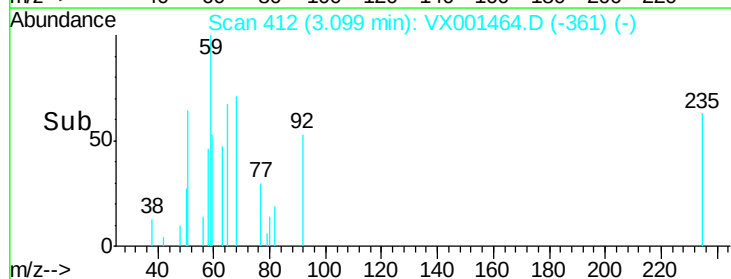
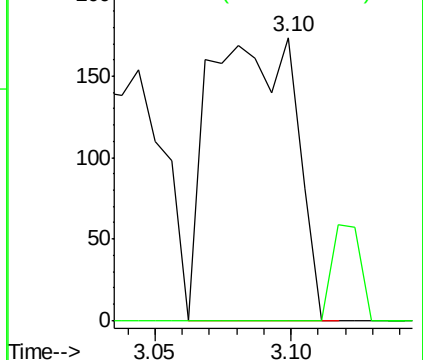
59 100

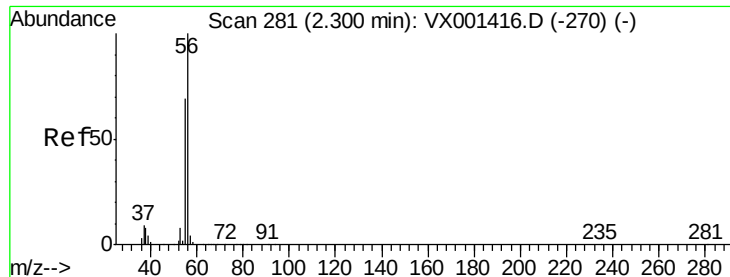
57 11.0 8.2 12.4



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: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

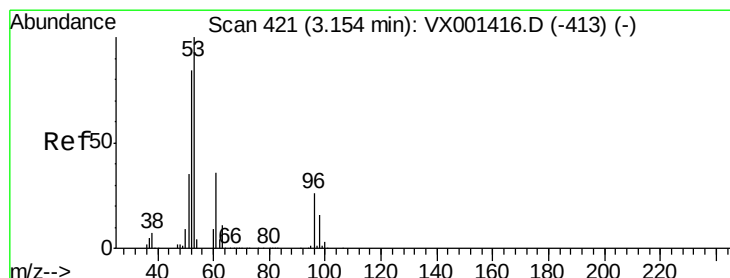
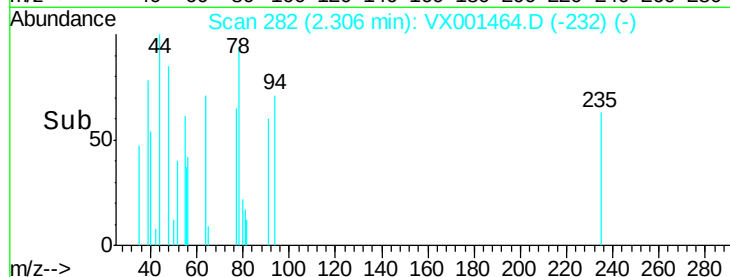
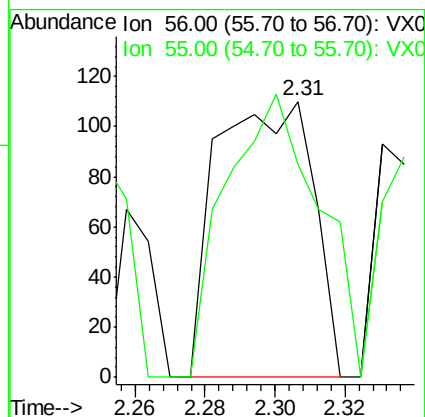
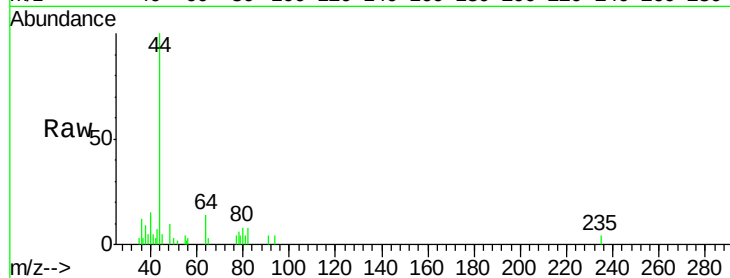
HR-06-050418

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 99.5 54.5 81.7#



#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

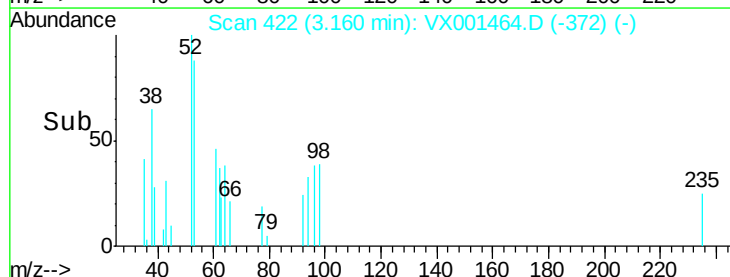
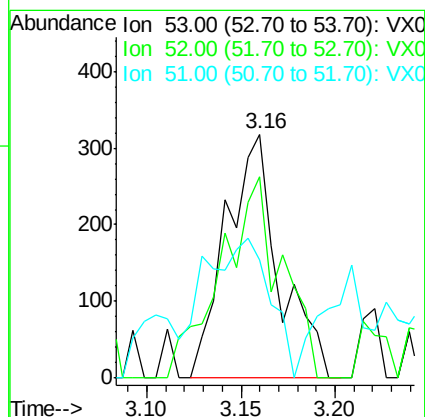
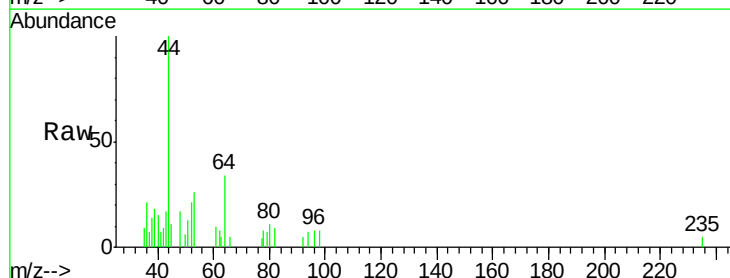
Tgt Ion: 53 Resp: 620

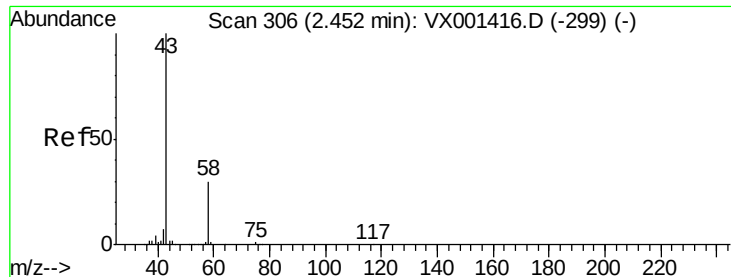
Ion Ratio Lower Upper

53 100

52 94.5 66.2 99.2

51 70.6 28.6 43.0#





#16

Acetone

Concen: 9.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

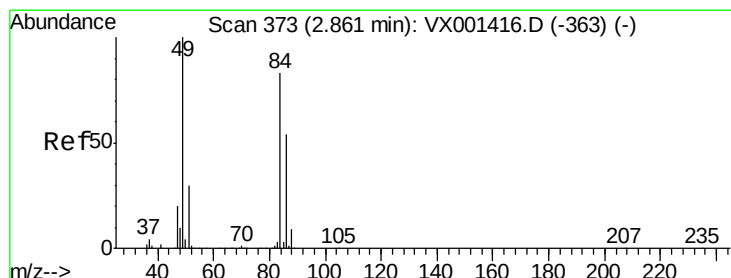
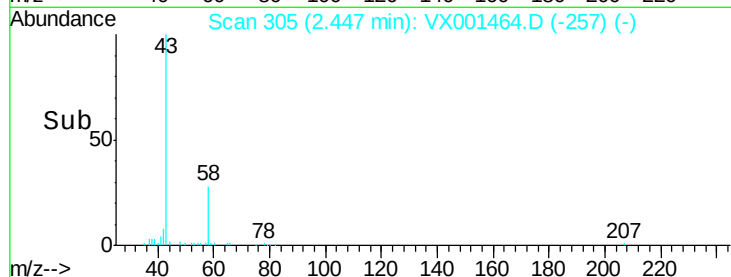
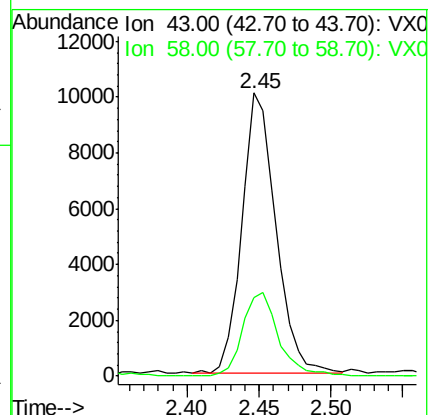
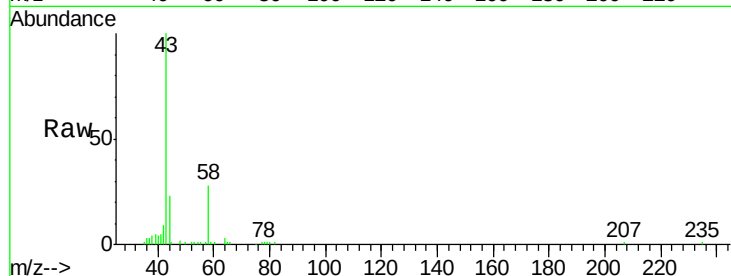
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Tgt Ion: 43 Resp: 16323

Ion Ratio Lower Upper

43 100

58 28.0 23.8 35.8



#20

Methylene Chloride

Concen: 0.55 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Tgt Ion: 84 Resp: 1945

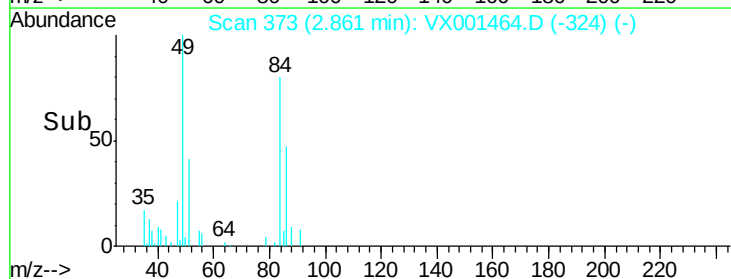
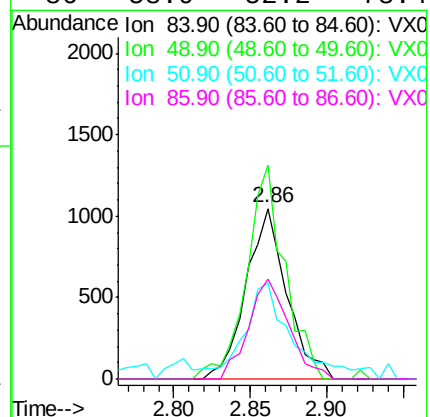
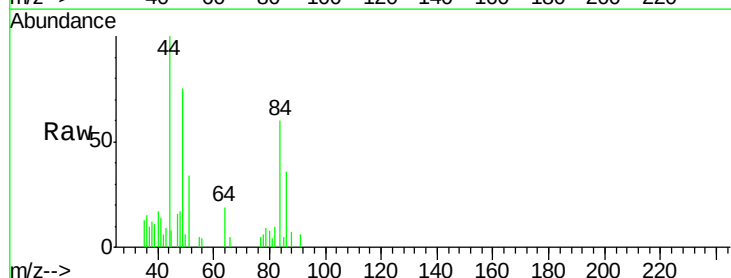
Ion Ratio Lower Upper

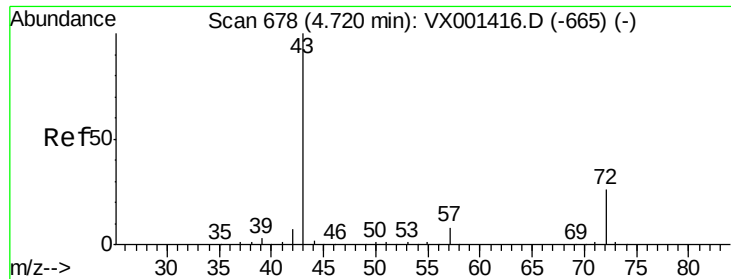
84 100

49 125.2 96.6 144.8

51 51.1 29.0 43.4#

86 58.9 52.2 78.4





#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

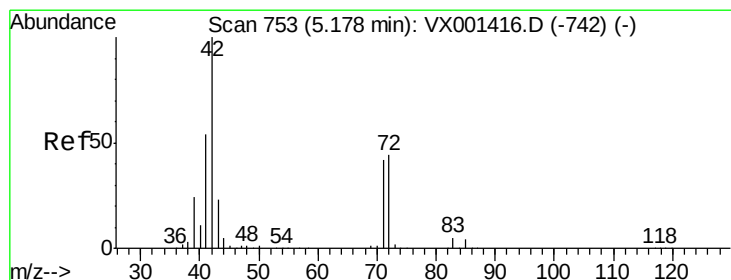
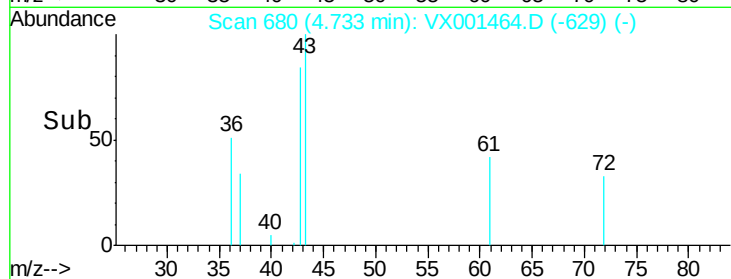
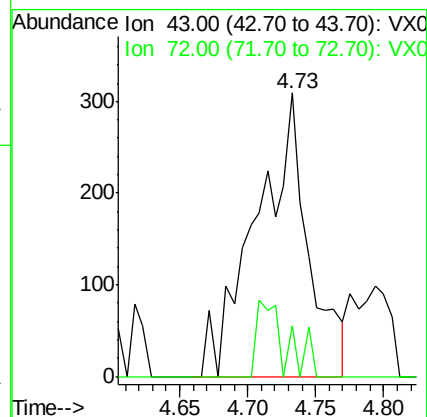
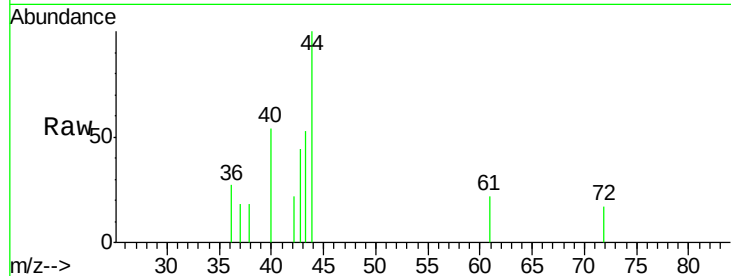
HR-06-050418

Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

72 17.8 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

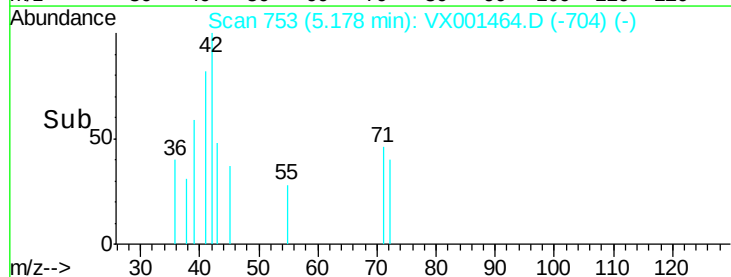
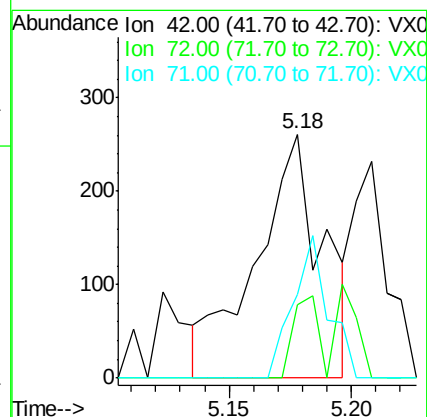
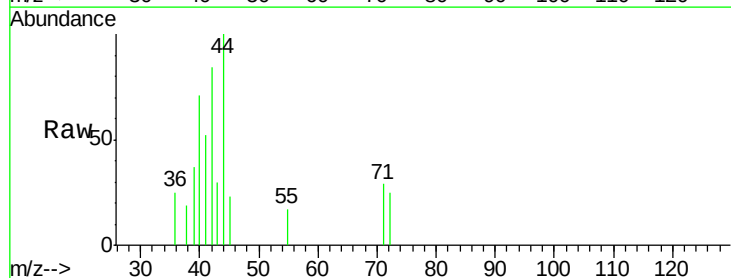
Tgt Ion: 42 Resp: 492

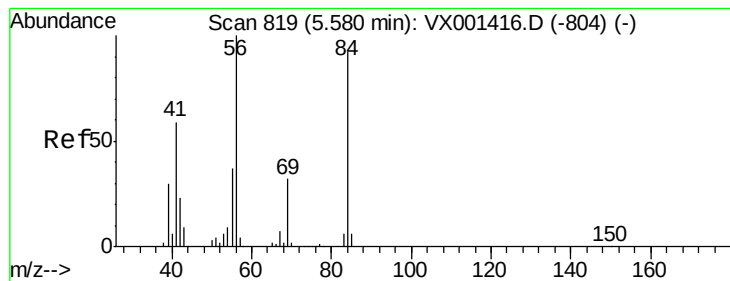
Ion Ratio Lower Upper

42 100

72 12.4 35.4 53.2#

71 31.1 33.0 49.4#





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

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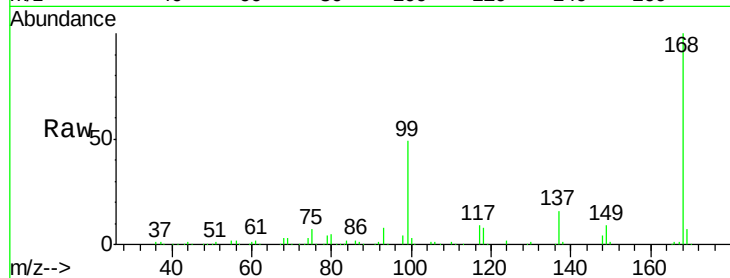
Tgt Ion: 56 Resp: 4812

Ion Ratio Lower Upper

56 100

69 143.0 25.4 38.0#

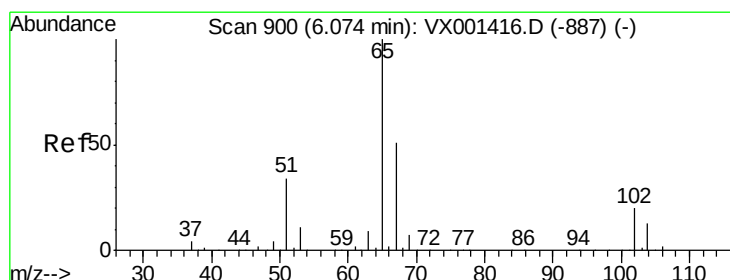
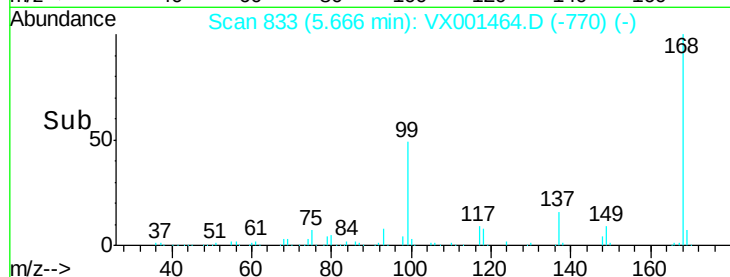
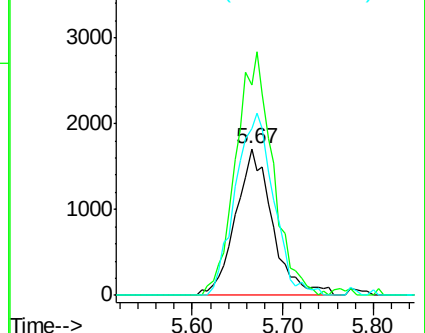
84 113.7 73.8 110.8#



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: 53.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001464.D

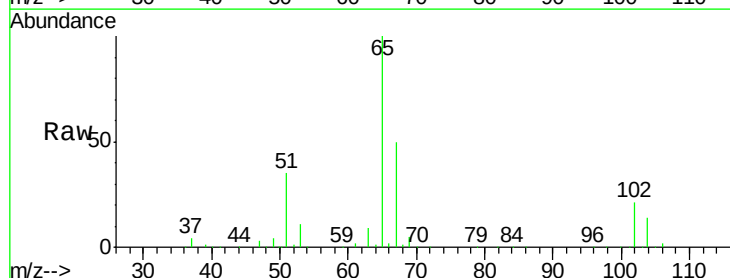
Acq: 07 May 2018 14:26

Tgt Ion: 65 Resp: 210144

Ion Ratio Lower Upper

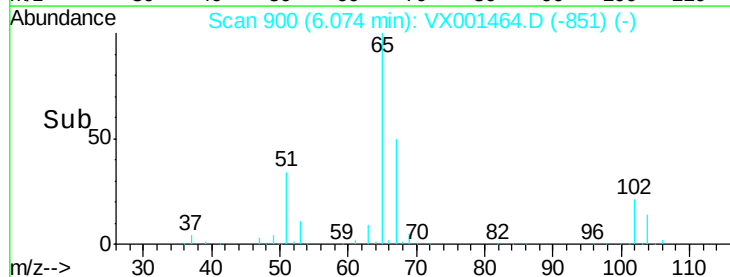
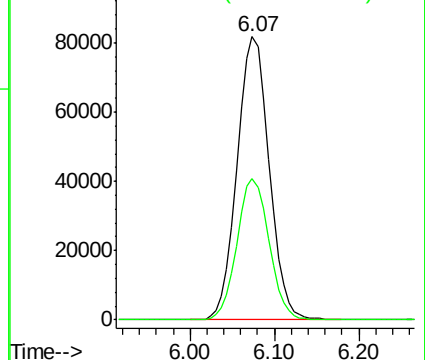
65 100

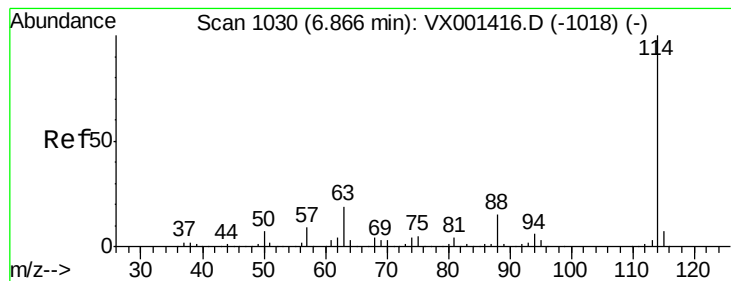
67 50.4 0.0 101.8



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: VX001464.D

Acq: 07 May 2018 14:26

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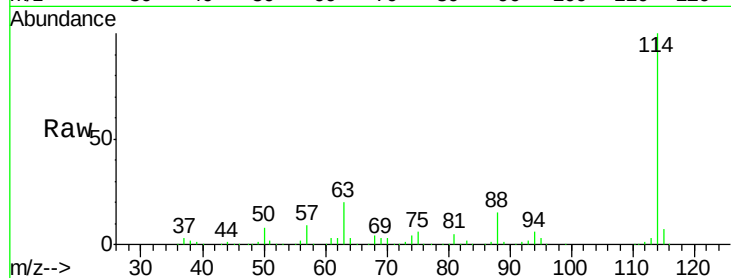
Tgt Ion:114 Resp: 365886

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

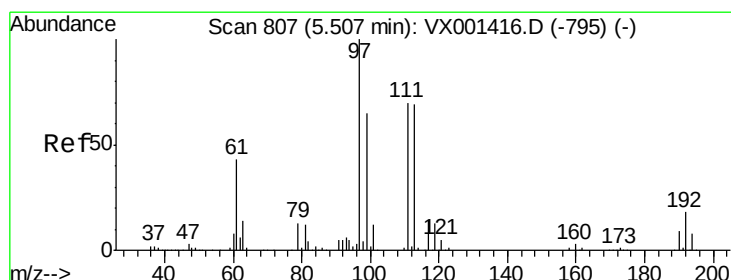
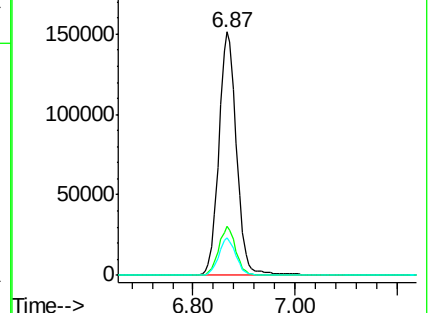
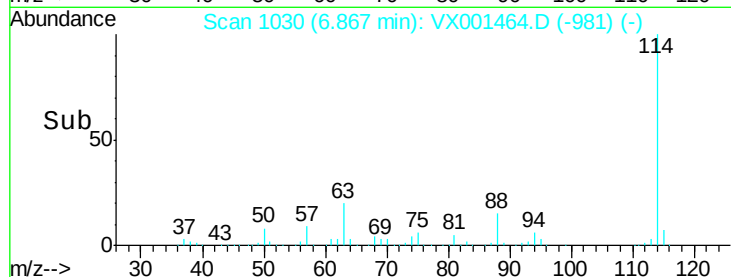
88 15.4 0.0 30.8



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: 50.75 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

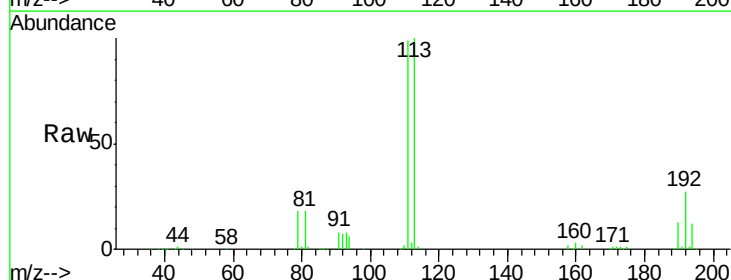
Tgt Ion:113 Resp: 165167

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

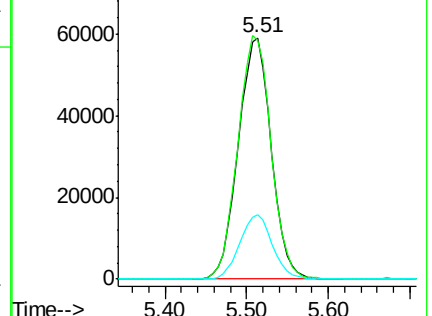
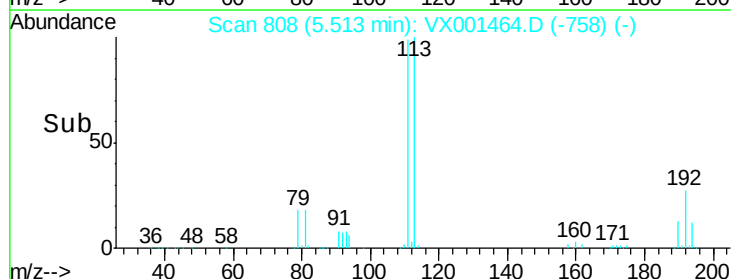
192 26.5 21.4 32.0

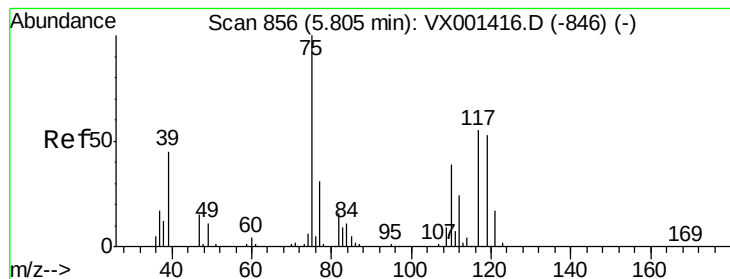


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.62 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

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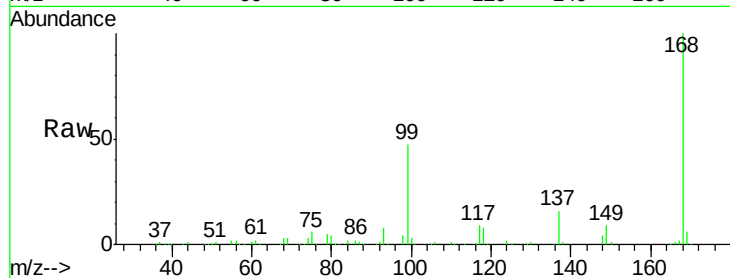
Tgt Ion: 75 Resp: 16859

Ion Ratio Lower Upper

75 100

110 10.5 18.9 56.7#

77 0.0 24.9 37.3#

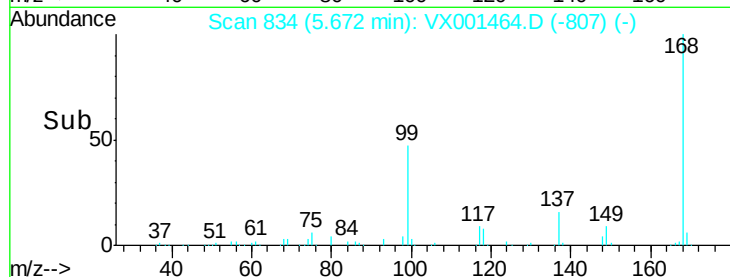


Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX001416.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX001416.D (-846) (-)

Time-->

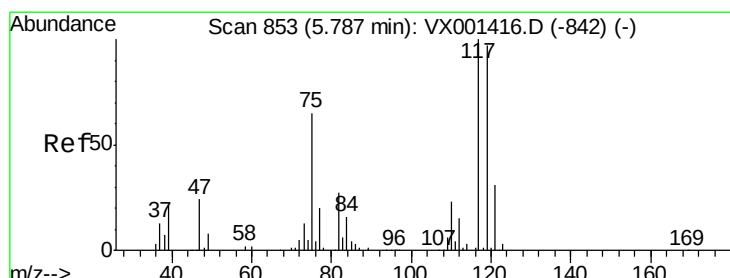


Abundance Ion 74.90 (74.60 to 75.60): VX001464.D (-807) (-)

Ion 109.90 (109.60 to 110.60): VX001464.D (-807) (-)

Ion 76.90 (76.60 to 77.60): VX001464.D (-807) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.70 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001464.D

Acq: 07 May 2018 14:26

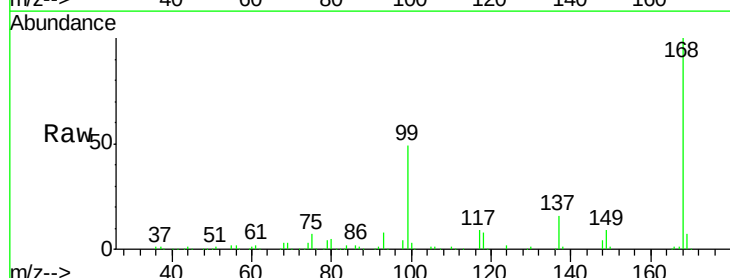
Tgt Ion: 117 Resp: 23322

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.6#

121 0.0 25.1 37.7#

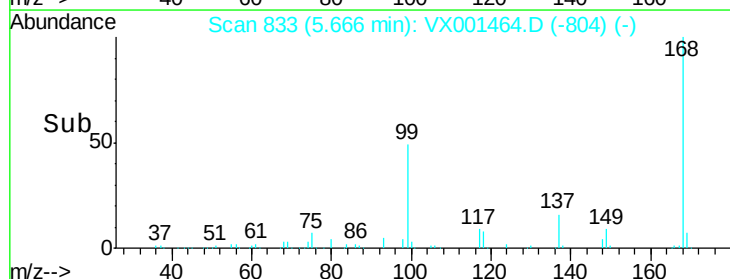


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)

Time-->

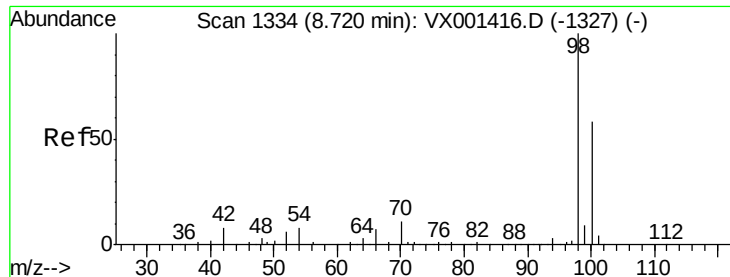


Abundance Ion 116.80 (116.50 to 117.50): VX001464.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX001464.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX001464.D (-804) (-)

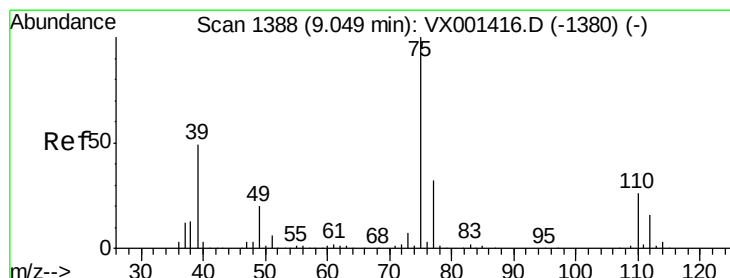
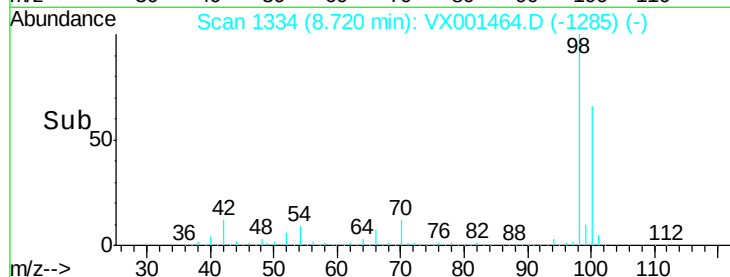
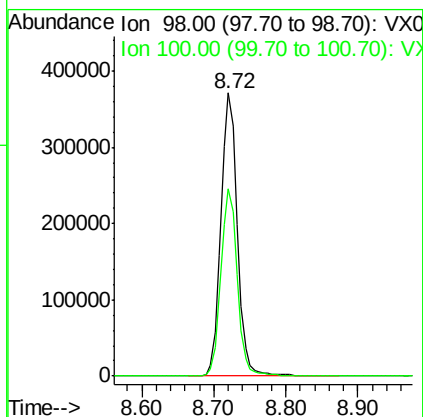
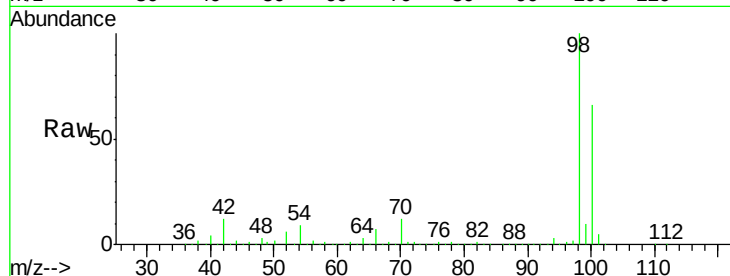
Time-->



#50
Toluene-d8
Concen: 49.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001464.D
Acq: 07 May 2018 14:26

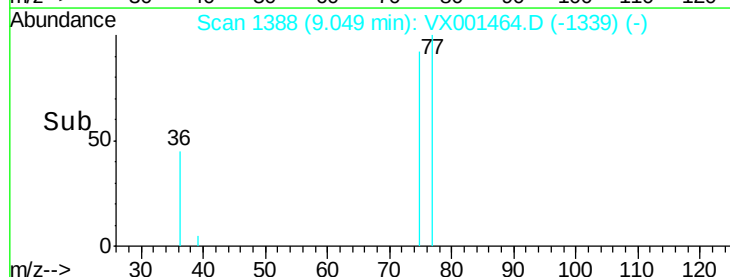
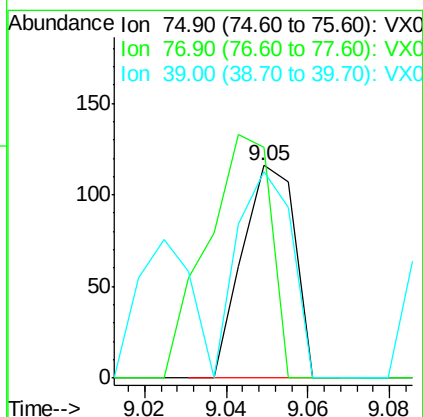
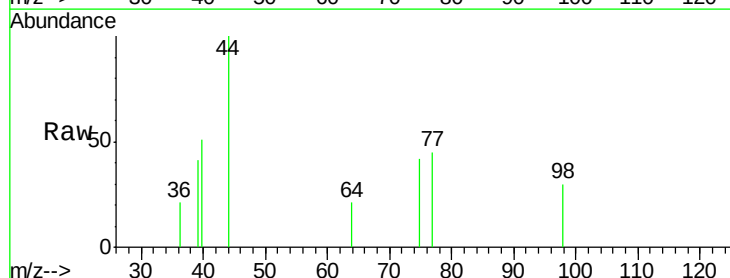
Instrument :
MSVOA_X
ClientSampleId :
HR-06-050418

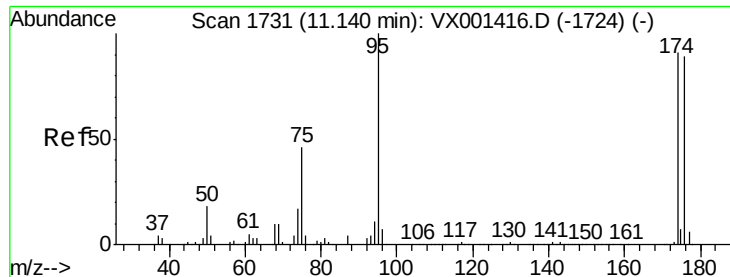
Tgt Ion: 98 Resp: 590332
Ion Ratio Lower Upper
98 100
100 66.2 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.28 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001464.D
Acq: 07 May 2018 14:26

Tgt Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
77 108.6 25.5 38.3#
39 97.4 38.9 58.3#

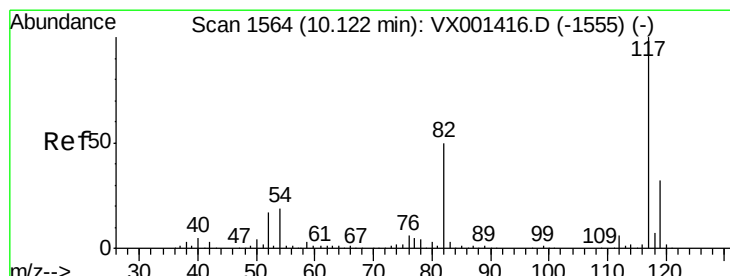
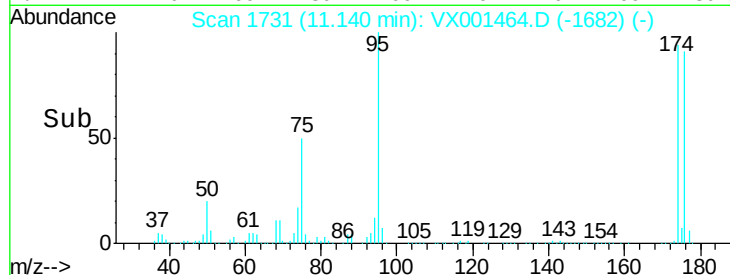
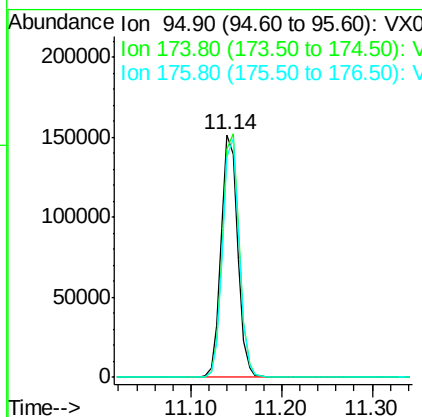
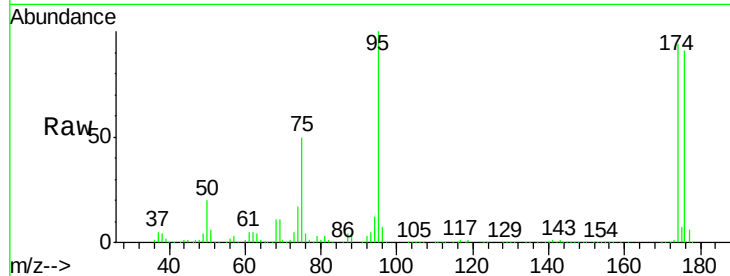




#62
4-Bromofluorobenzene
Concen: 42.45 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001464.D
Acq: 07 May 2018 14:26

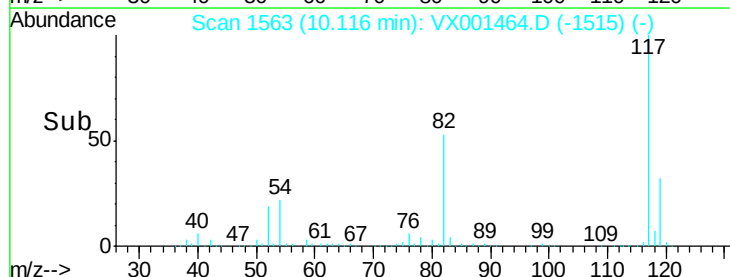
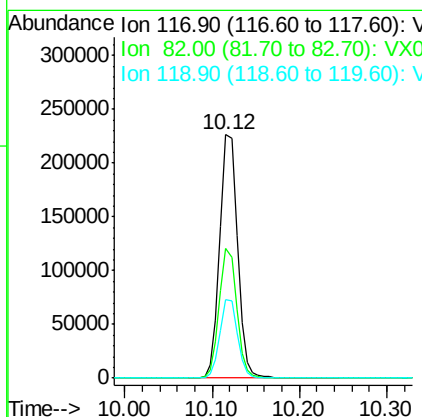
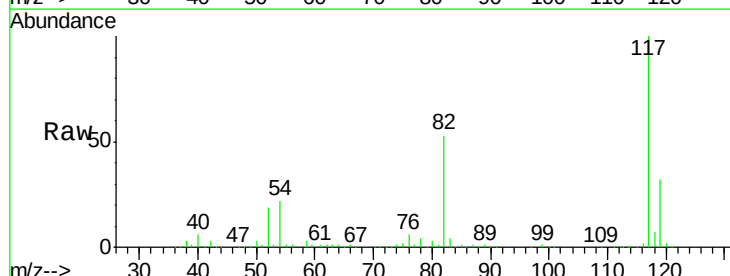
Instrument :
MSVOA_X
ClientSampleId :
HR-06-050418

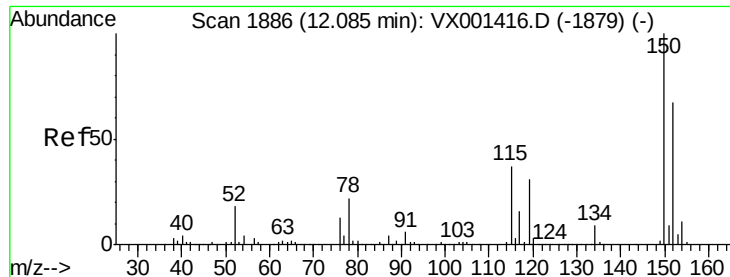
Tgt Ion: 95 Resp: 193571
Ion Ratio Lower Upper
95 100
174 101.6 0.0 202.0
176 98.2 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001464.D
Acq: 07 May 2018 14:26

Tgt Ion: 117 Resp: 319507
Ion Ratio Lower Upper
117 100
82 53.0 40.0 60.0
119 32.2 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: VX001464.D

Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

HR-06-050418

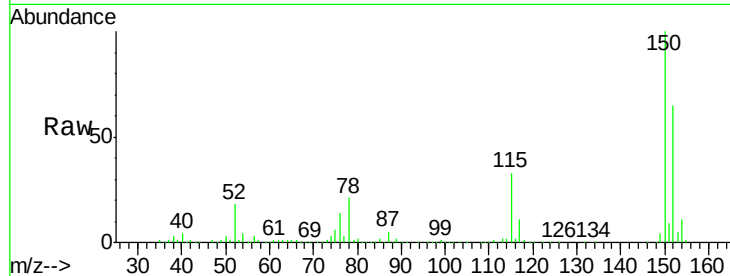
Tgt Ion:152 Resp: 174809

Ion Ratio Lower Upper

152 100

115 53.1 37.7 113.1

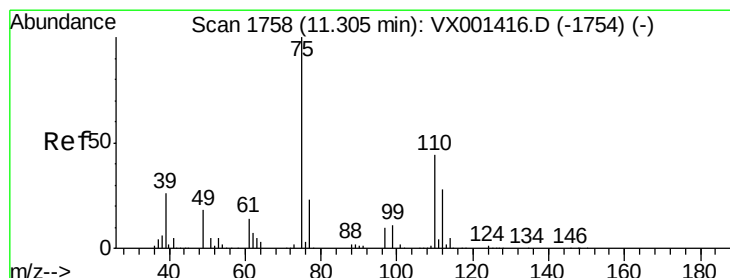
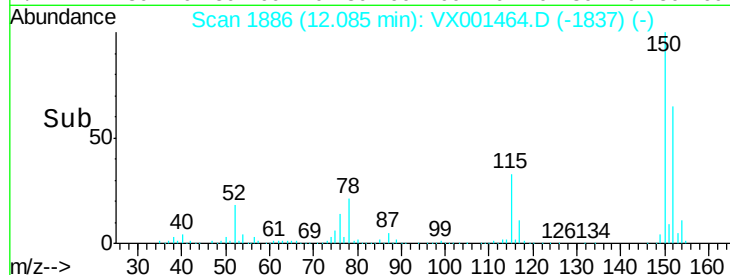
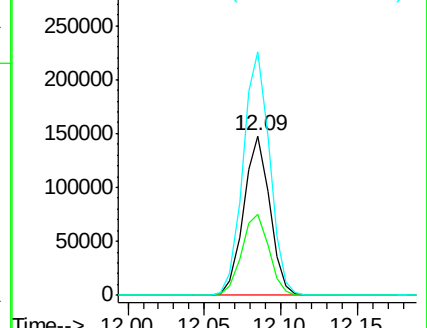
150 155.6 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001464.D

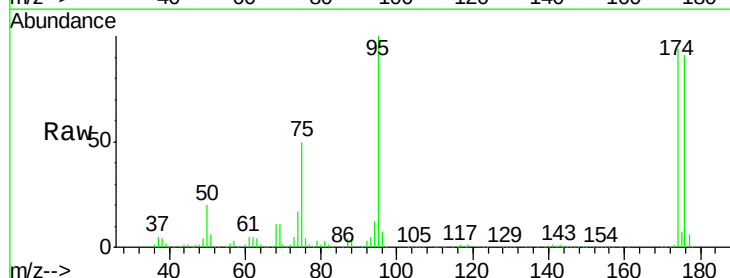
Acq: 07 May 2018 14:26

Tgt Ion: 75 Resp: 98026

Ion Ratio Lower Upper

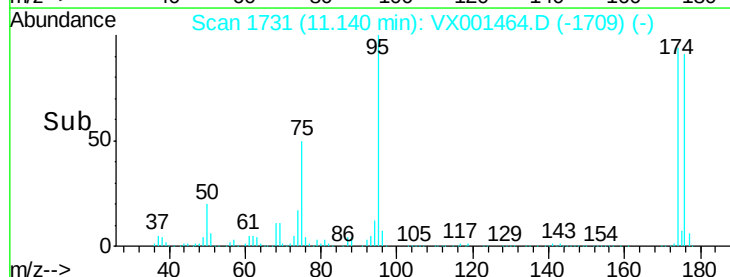
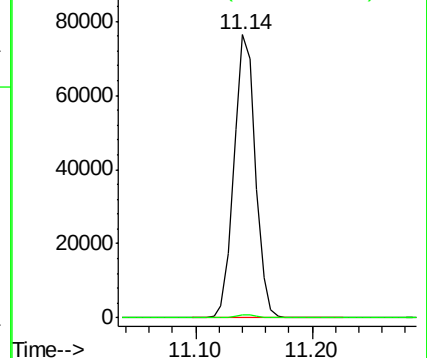
75 100

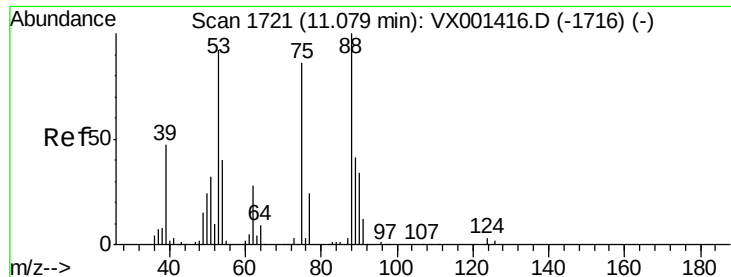
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001464.D

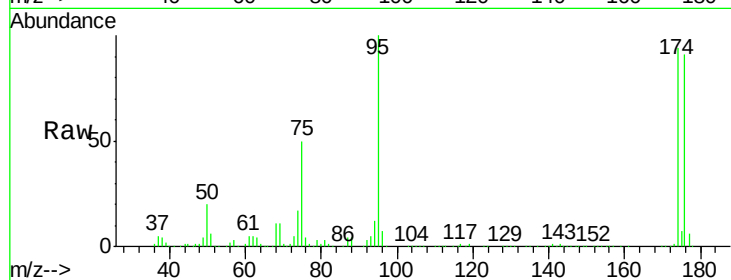
Acq: 07 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

HR-06-050418



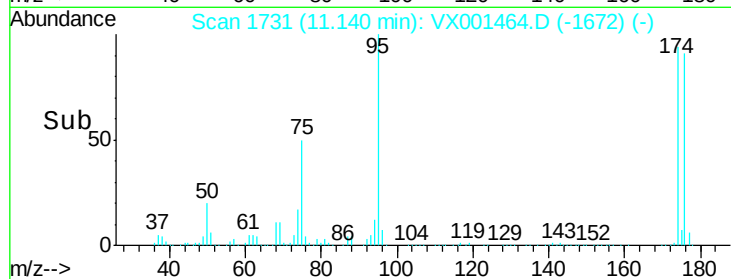
Tgt Ion: 75 Resp: 98026

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

