

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001427.D
 Acq On : 05 May 2018 19:14
 Operator : JC/MD
 Sample : J2733-07 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3AB-COMP

Quant Time: May 06 08:06:56 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	249485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163492	45.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.18%	
35) Dibromofluoromethane	5.51	113	127496	42.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.20%	
50) Toluene-d8	8.72	98	461974	42.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.58%	
62) 4-Bromofluorobenzene	11.14	95	155214	37.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.02%	

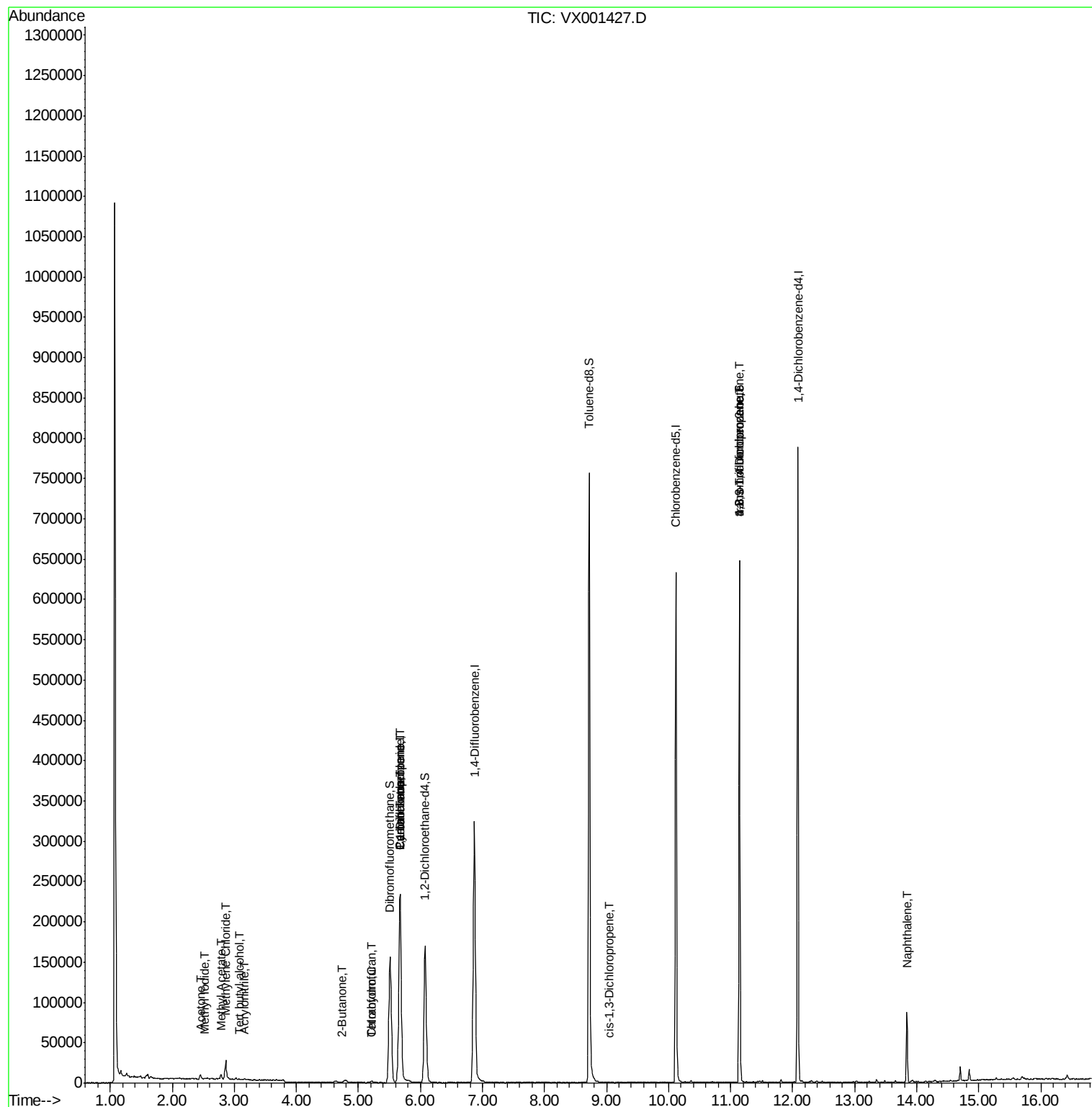
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1291	Below Cal	#	76
10) Methyl Iodide	2.51	142	1205	0.28	ug/l #	89
11) Tert butyl alcohol	3.09	59	430	0.57	ug/l #	72
13) Acrolein	2.29	56	128	Below Cal	#	1
15) Acrylonitrile	3.15	53	442	0.26	ug/l #	44
16) Acetone	2.45	43	6725	4.13	ug/l #	88
18) Methyl Acetate	2.78	43	6340	1.48	ug/l	97
20) Methylene Chloride	2.86	84	10641	3.30	ug/l #	85
25) 2-Butanone	4.73	43	1169	0.50	ug/l #	49
29) Tetrahydrofuran	5.20	42	911	0.60	ug/l #	62
30) Chloroform	5.22	83	1176	0.21	ug/l #	76
31) Cyclohexane	5.67	56	4539	0.98	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	15197	3.55	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21791	4.77	ug/l #	16
54) cis-1,3-Dichloropropene	9.04	75	41	2.27	ug/l #	34
76) 1,2,3-Trichloropropane	11.14	75	77739	22.89	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	77739	71.01	ug/l #	7
95) Naphthalene	13.84	128	53721	4.33	ug/l	99

(#) = 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: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

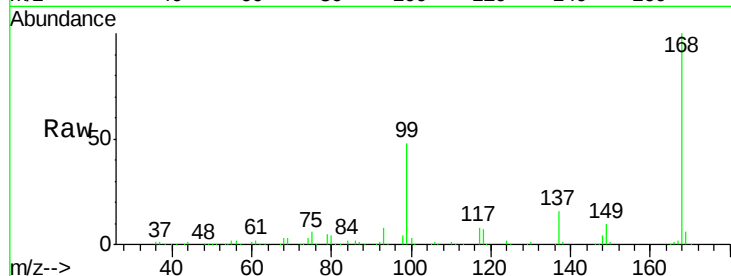
TP-3AB-COMP

Tgt Ion:168 Resp: 249485

Ion Ratio Lower Upper

168 100

99 47.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

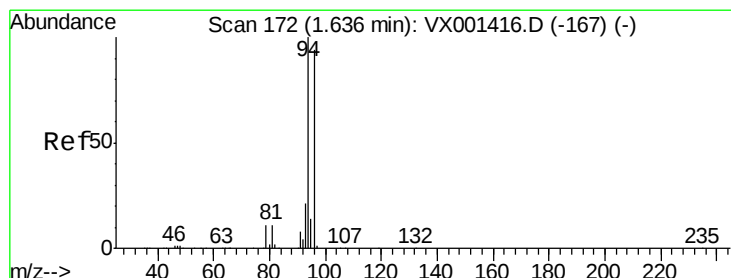
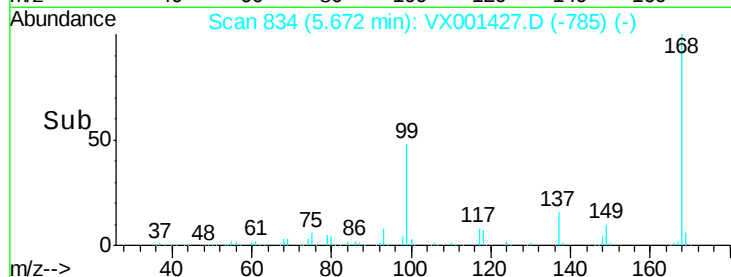
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001427.D

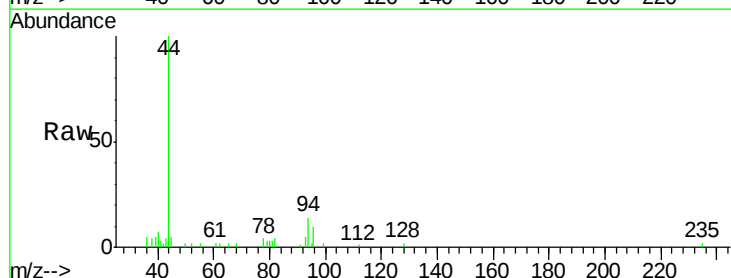
Acq: 05 May 2018 19:14

Tgt Ion: 94 Resp: 1291

Ion Ratio Lower Upper

94 100

96 71.0 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

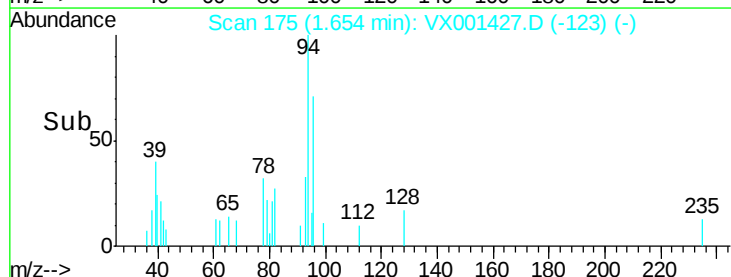
300

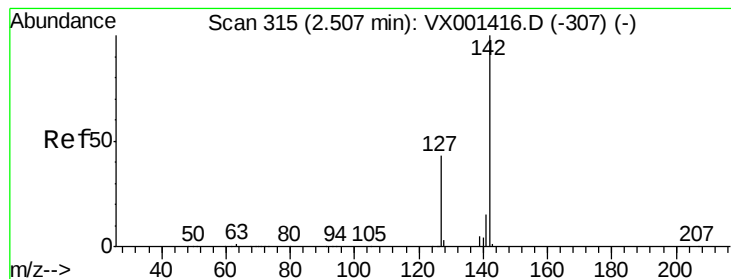
200

100

0

Time--> 1.60 1.65 1.70 1.75





#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

TP-3AB-COMP

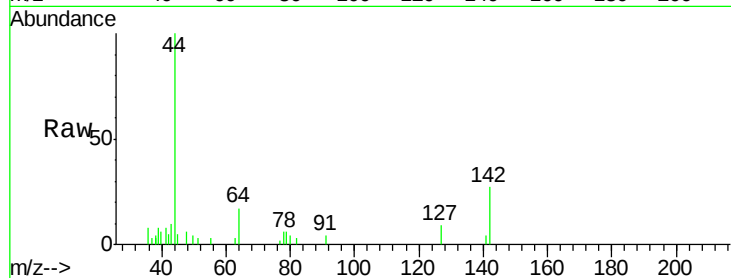
Tgt Ion: 142 Resp: 1205

Ion Ratio Lower Upper

142 100

127 47.1 33.6 50.4

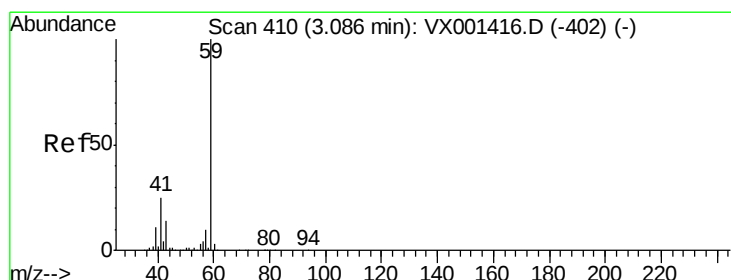
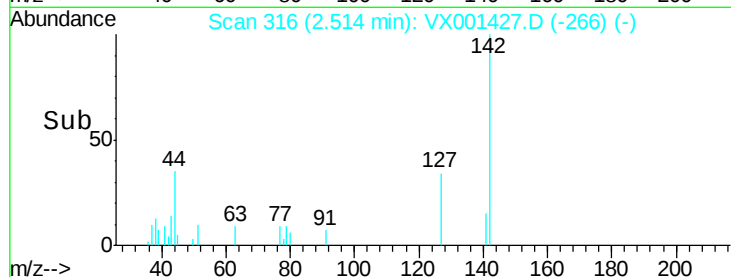
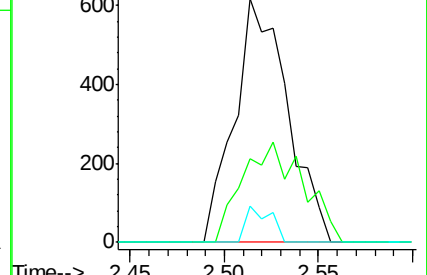
141 6.9 11.4 17.2#



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: 0.57 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.00 min

Lab File: VX001427.D

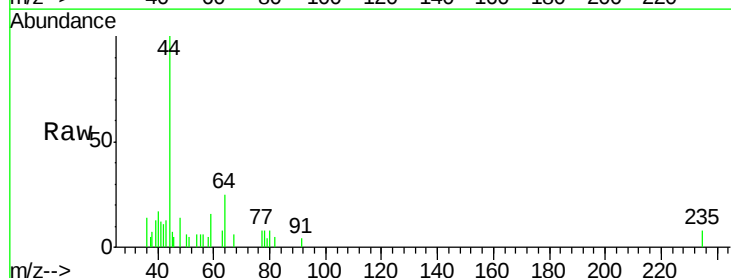
Acq: 05 May 2018 19:14

Tgt Ion: 59 Resp: 430

Ion Ratio Lower Upper

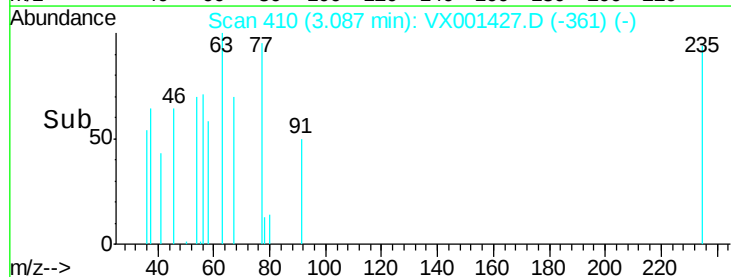
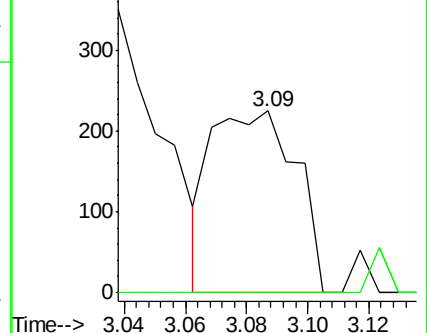
59 100

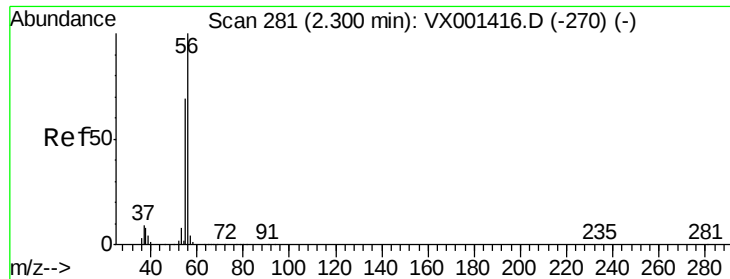
57 0.0 8.2 12.4#



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: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

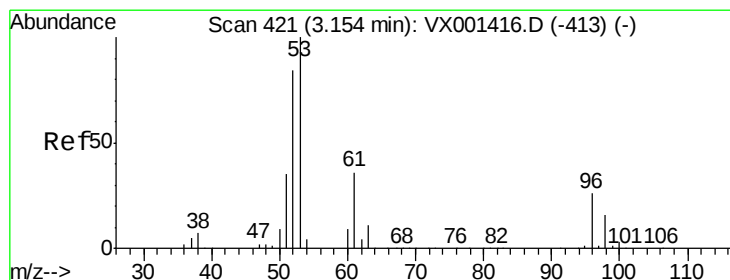
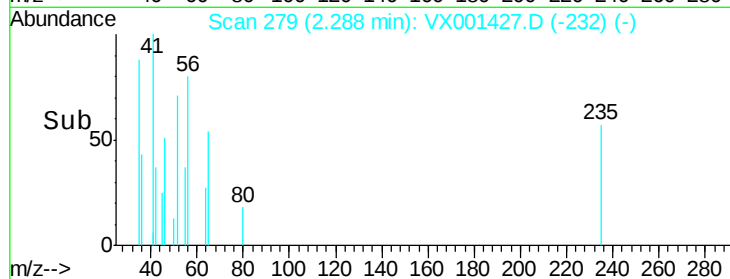
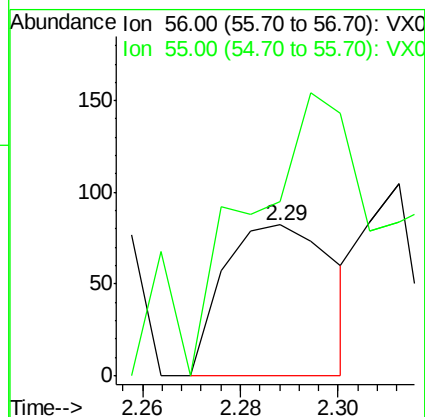
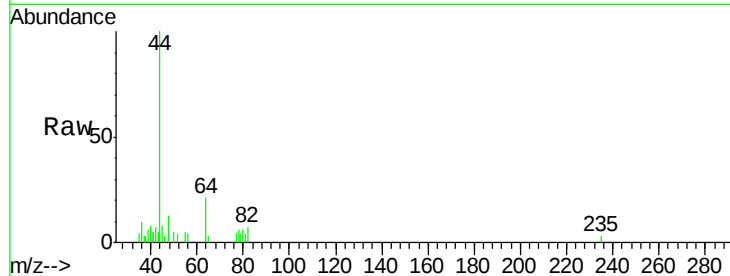
TP-3AB-COMP

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 251.6 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: VX001427.D

Acq: 05 May 2018 19:14

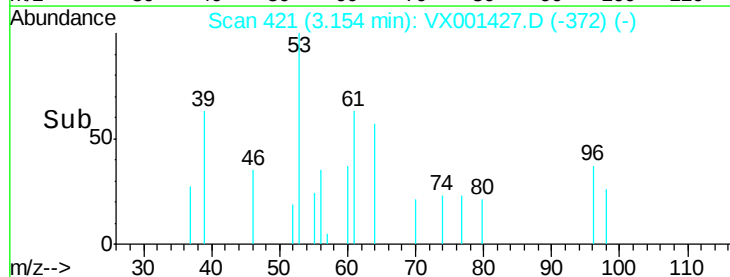
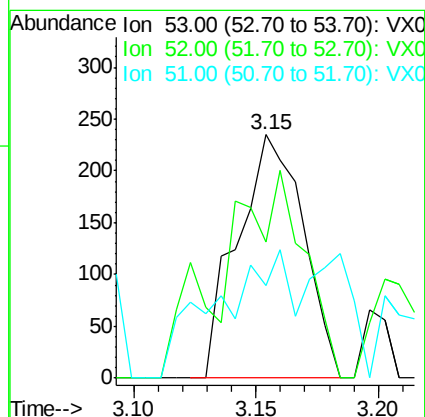
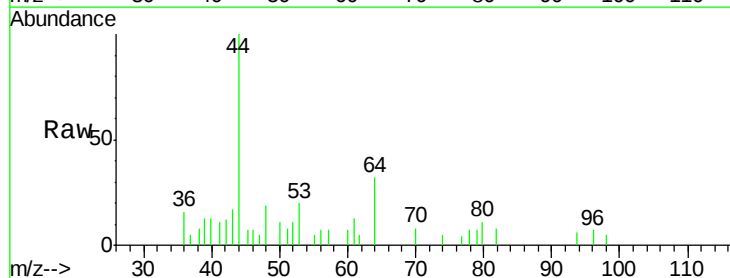
Tgt Ion: 53 Resp: 442

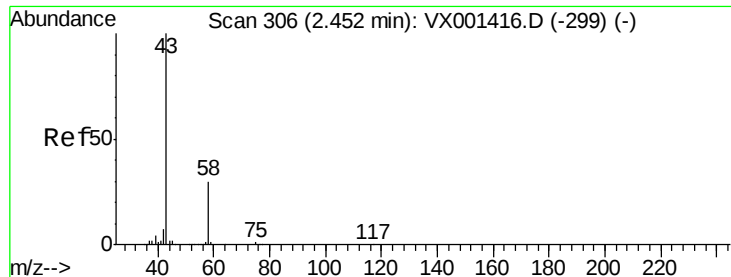
Ion Ratio Lower Upper

53 100

52 25.3 66.2 99.2#

51 58.8 28.6 43.0#





#16

Acetone

Concen: 4.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

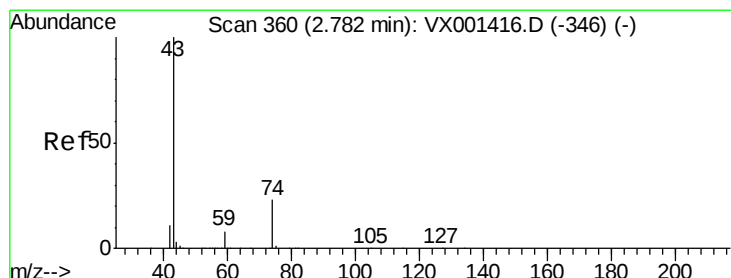
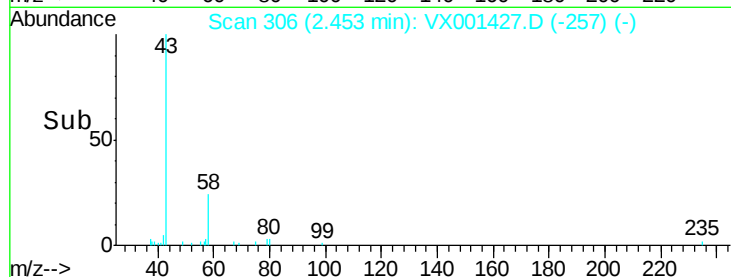
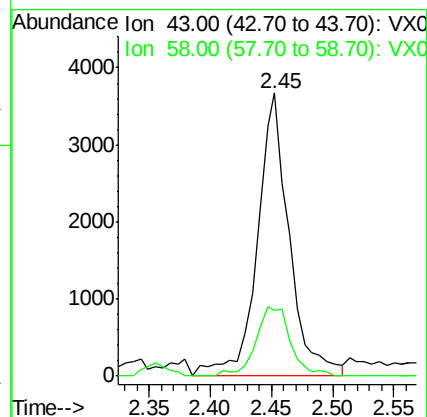
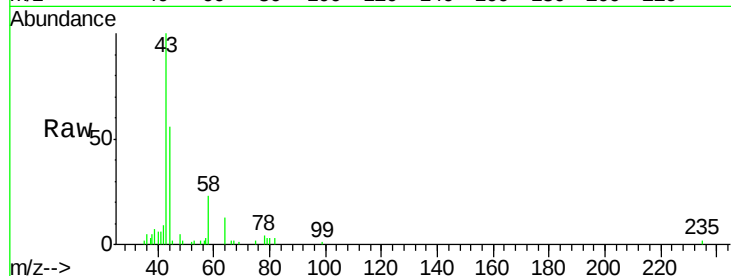
TP-3AB-COMP

Tgt Ion: 43 Resp: 6725

Ion Ratio Lower Upper

43 100

58 23.3 23.8 35.8#



#18

Methyl Acetate

Concen: 1.48 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001427.D

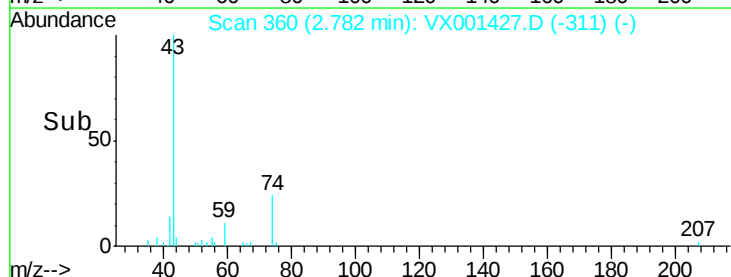
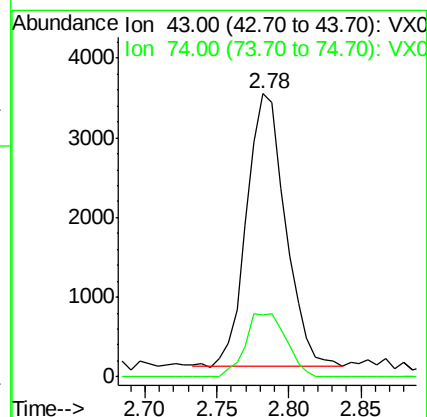
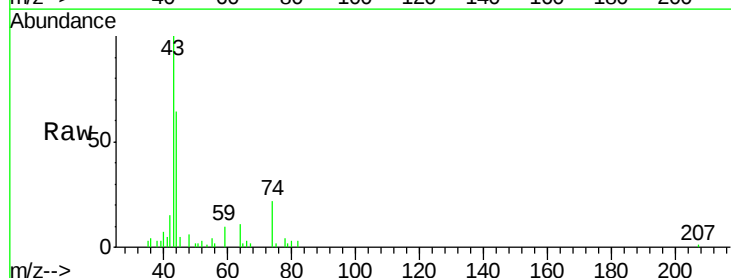
Acq: 05 May 2018 19:14

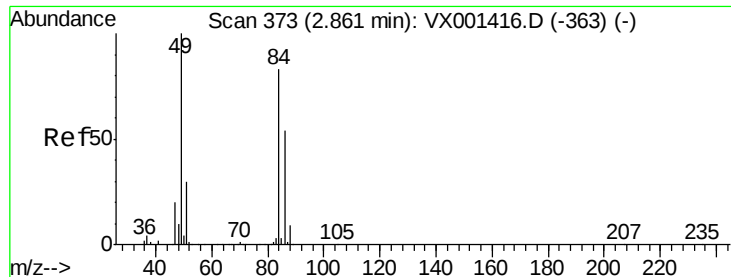
Tgt Ion: 43 Resp: 6340

Ion Ratio Lower Upper

43 100

74 24.6 18.6 27.8

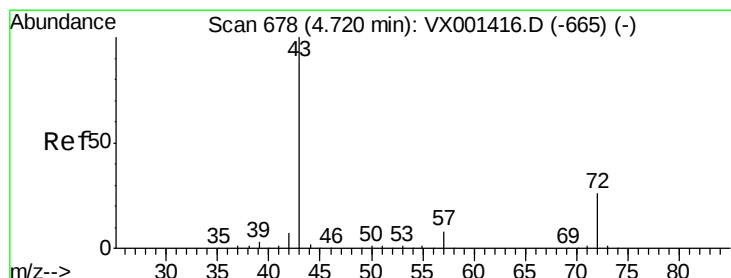
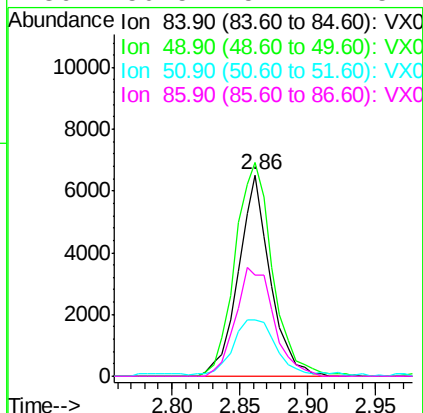
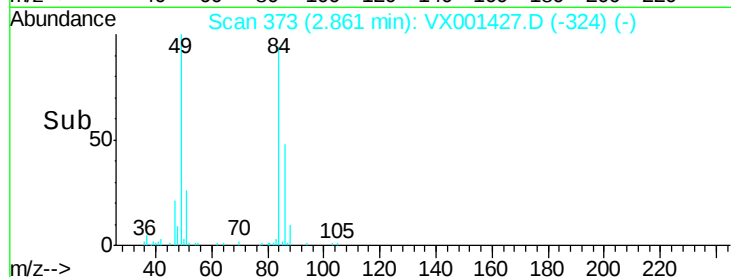
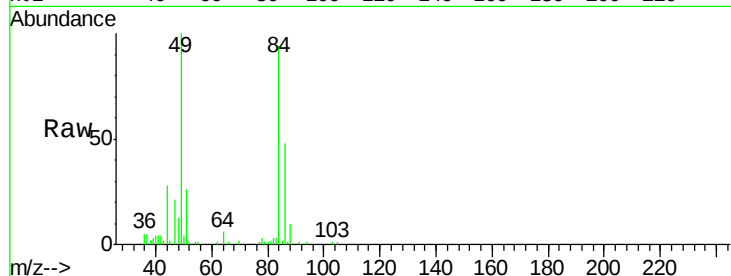




#20
Methylene Chloride
Concen: 3.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001427.D
Acq: 05 May 2018 19:14

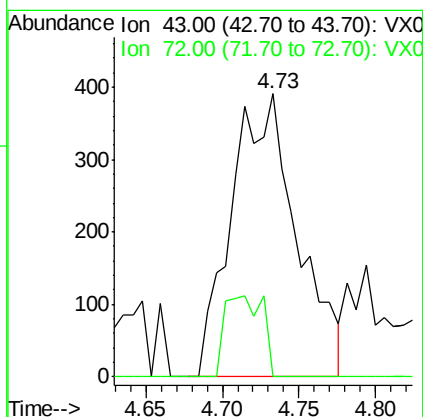
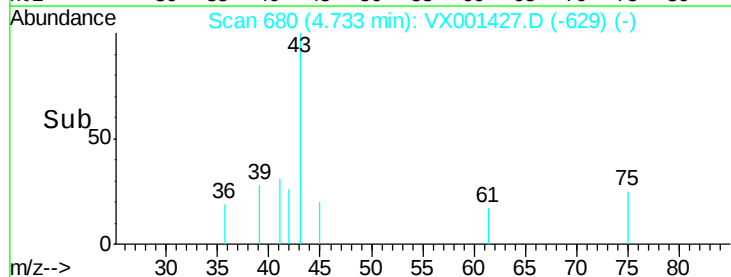
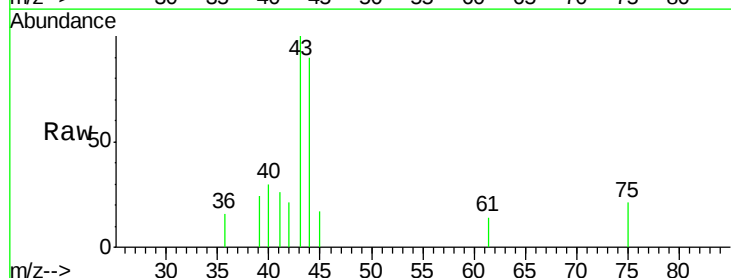
Instrument :
MSVOA_X
ClientSampleId :
TP-3AB-COMP

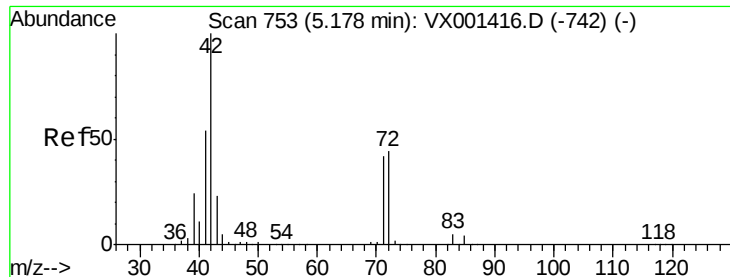
Tgt Ion: 84 Resp: 10641
Ion Ratio Lower Upper
84 100
49 106.1 96.6 144.8
51 26.8 29.0 43.4#
86 50.5 52.2 78.4#



#25
2-Butanone
Concen: 0.50 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX001427.D
Acq: 05 May 2018 19:14

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

TP-3AB-COMP

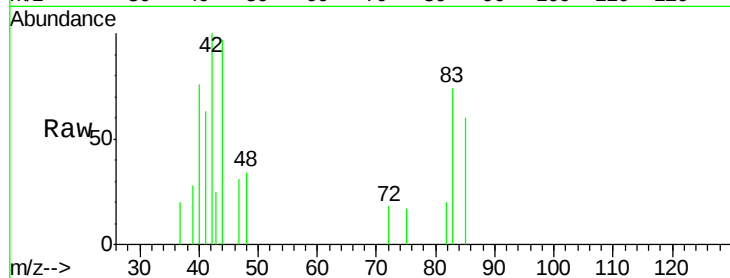
Tgt Ion: 42 Resp: 911

Ion Ratio Lower Upper

42 100

72 21.4 35.4 53.2#

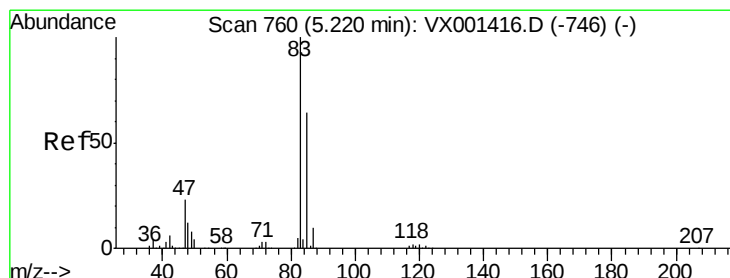
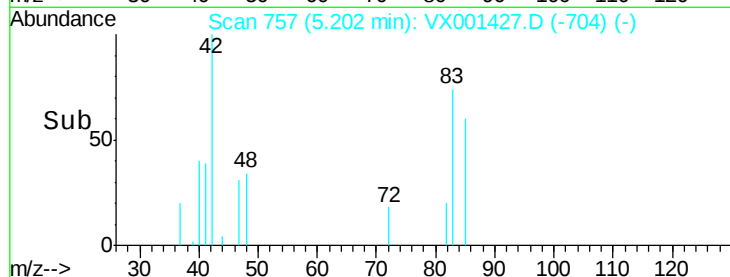
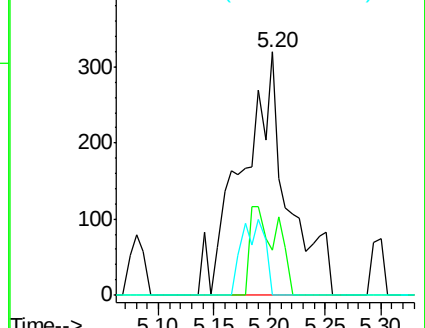
71 15.5 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.21 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001427.D

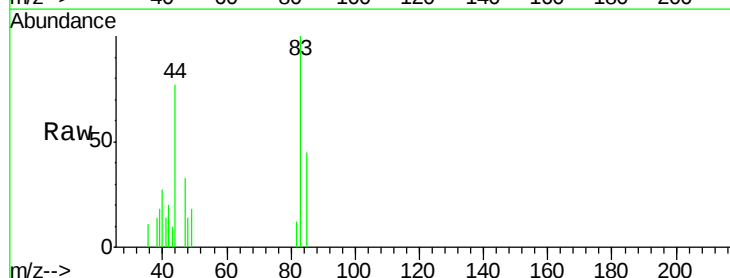
Acq: 05 May 2018 19:14

Tgt Ion: 83 Resp: 1176

Ion Ratio Lower Upper

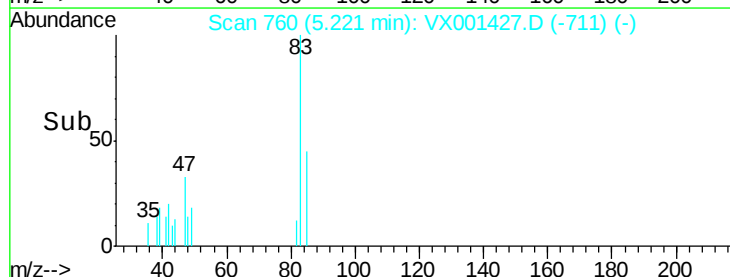
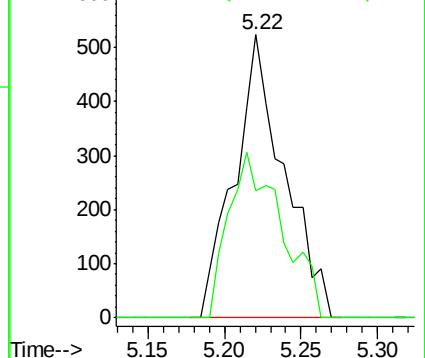
83 100

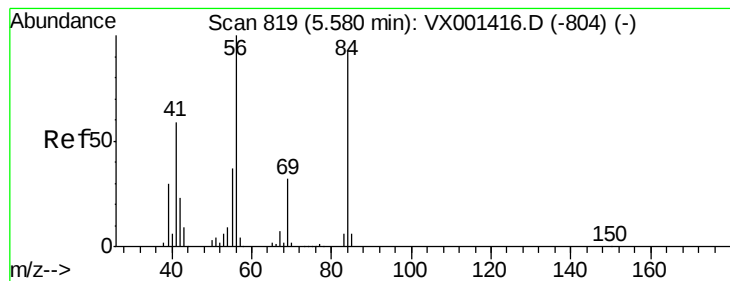
85 45.1 51.0 76.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

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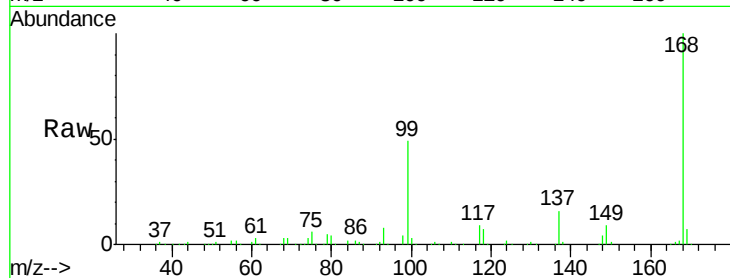
Tgt Ion: 56 Resp: 4539

Ion Ratio Lower Upper

56 100

69 173.3 25.4 38.0#

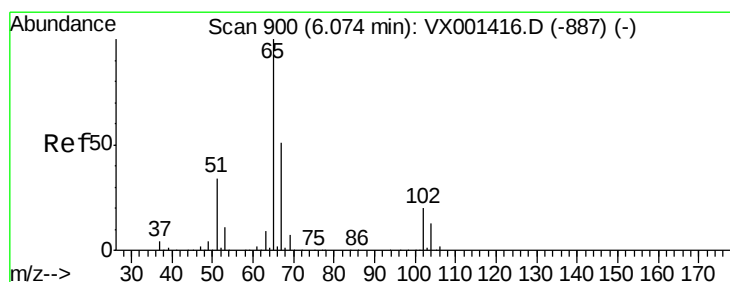
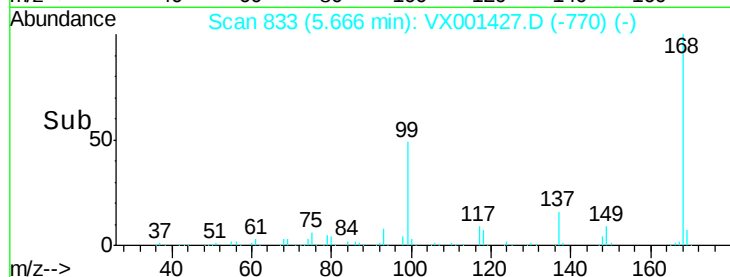
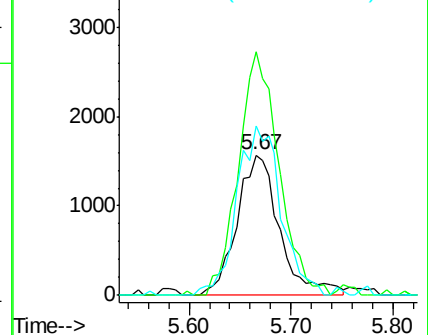
84 120.8 73.8 110.8#



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: 45.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001427.D

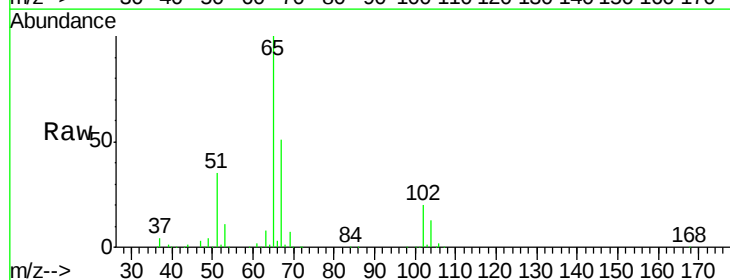
Acq: 05 May 2018 19:14

Tgt Ion: 65 Resp: 163492

Ion Ratio Lower Upper

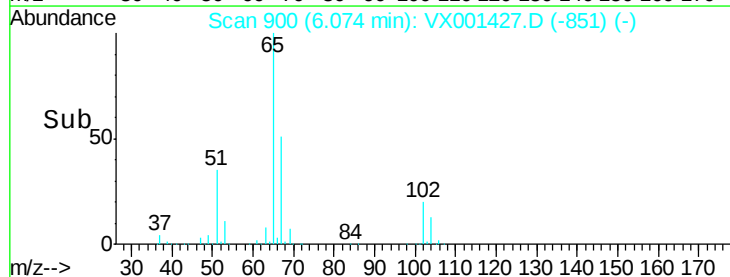
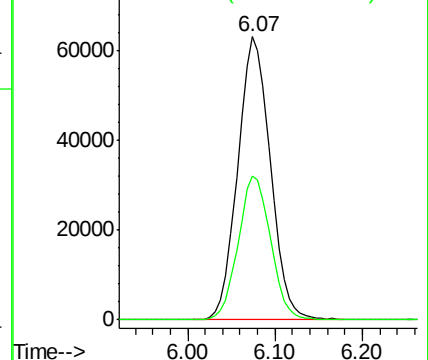
65 100

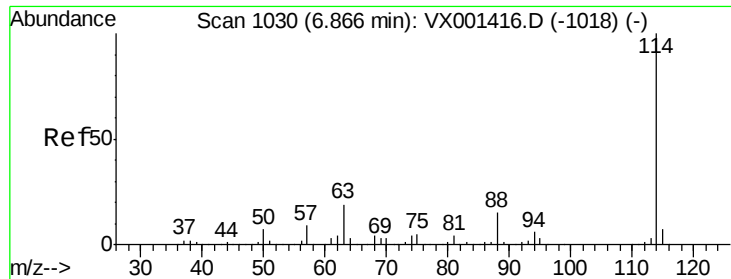
67 50.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

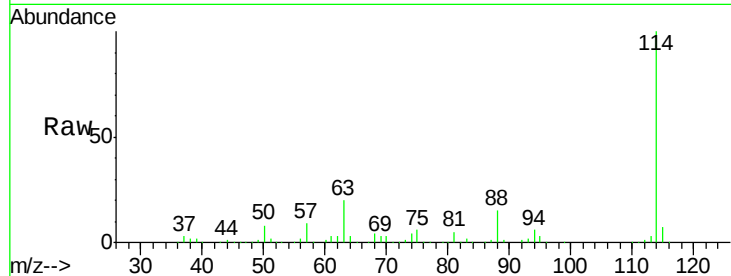




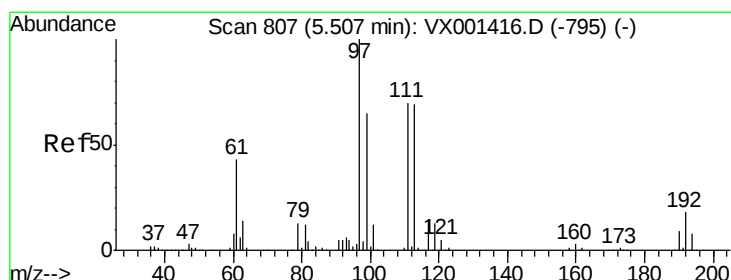
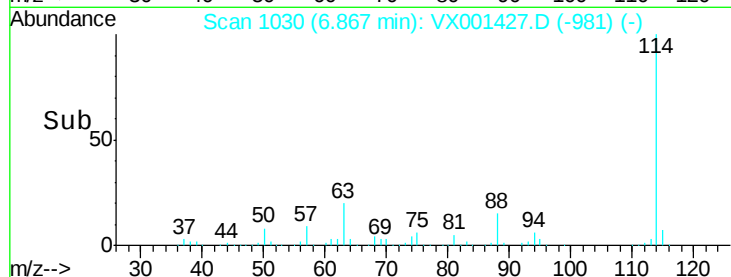
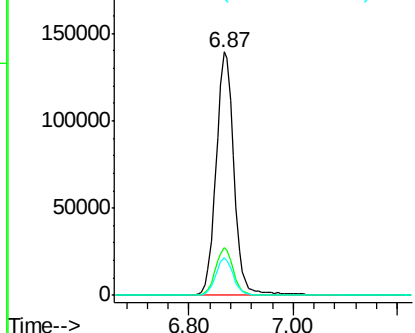
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001427.D
 Acq: 05 May 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3AB-COMP

Tgt Ion:114 Resp: 336443
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.2 0.0 30.8

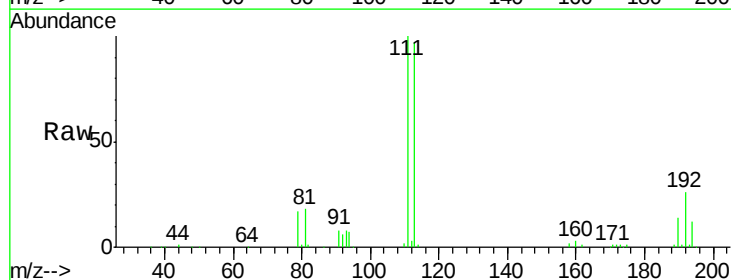


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

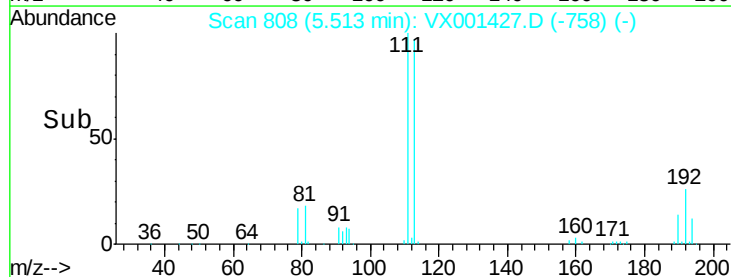
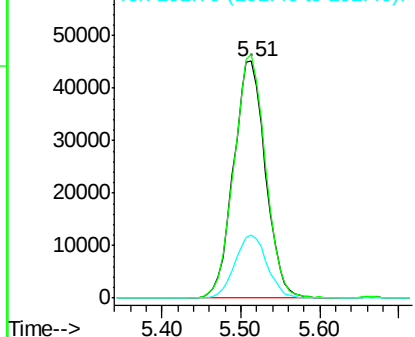


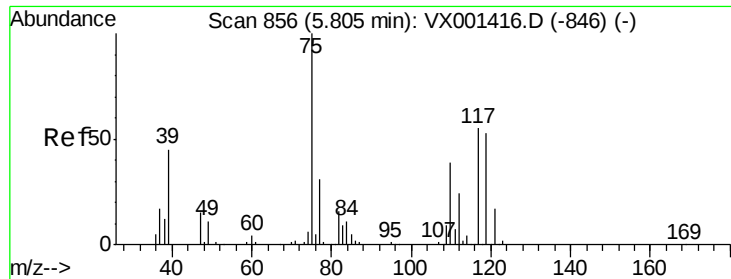
#35
 Dibromofluoromethane
 Concen: 42.60 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001427.D
 Acq: 05 May 2018 19:14

Tgt Ion:113 Resp: 127496
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.2
 192 26.7 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: 3.55 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

TP-3AB-COMP

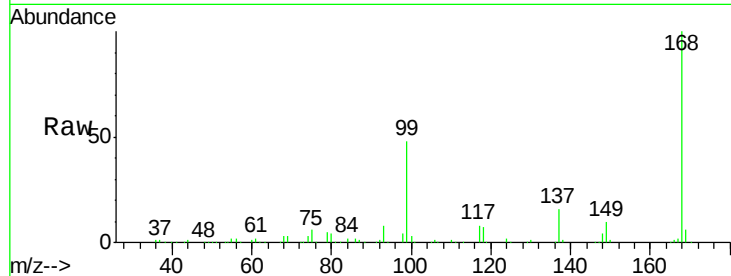
Tgt Ion: 75 Resp: 15197

Ion Ratio Lower Upper

75 100

110 10.5 18.9 56.7#

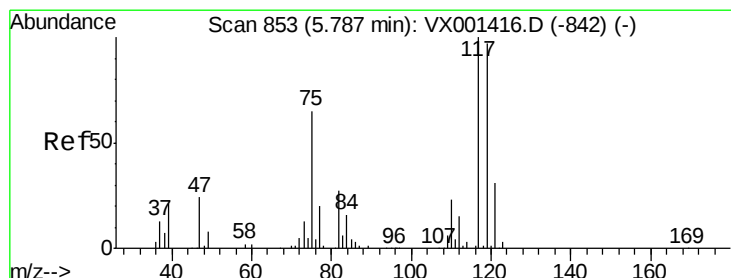
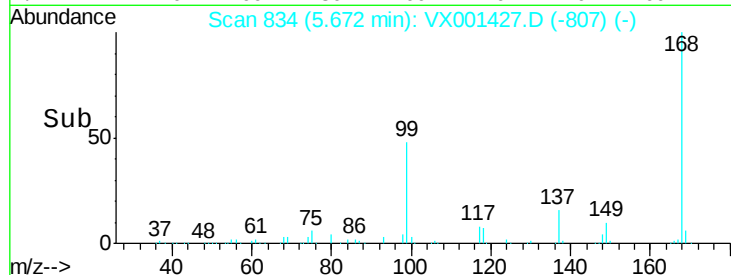
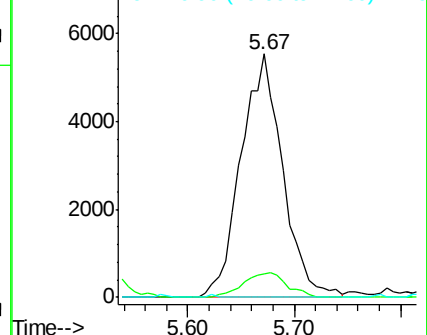
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

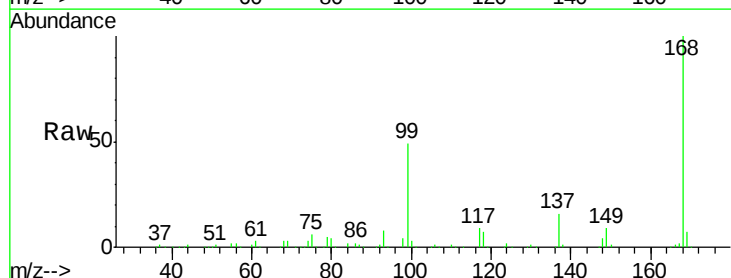
Tgt Ion: 117 Resp: 21791

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

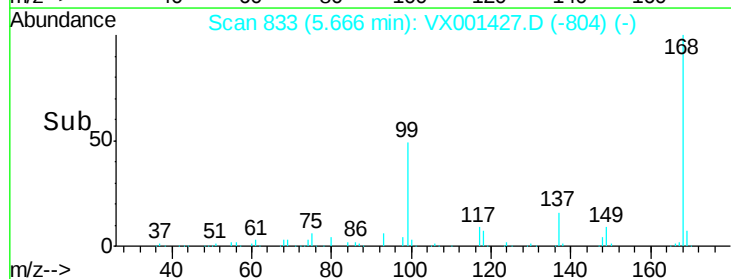
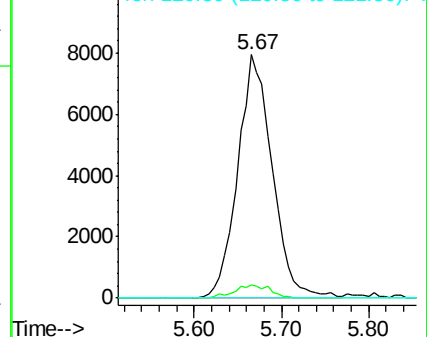
121 0.0 25.1 37.7#

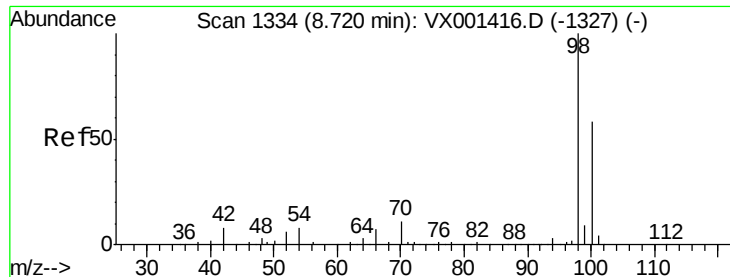


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 42.29 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

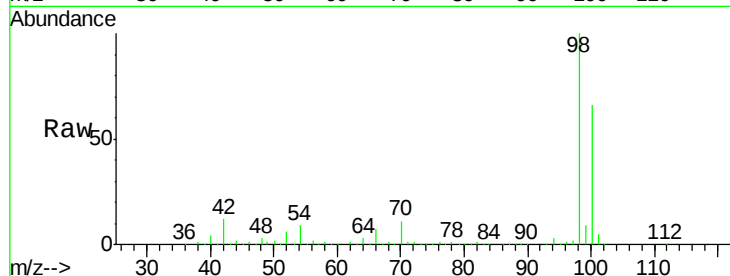
TP-3AB-COMP

Tgt Ion: 98 Resp: 461974

Ion Ratio Lower Upper

98 100

100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

300000

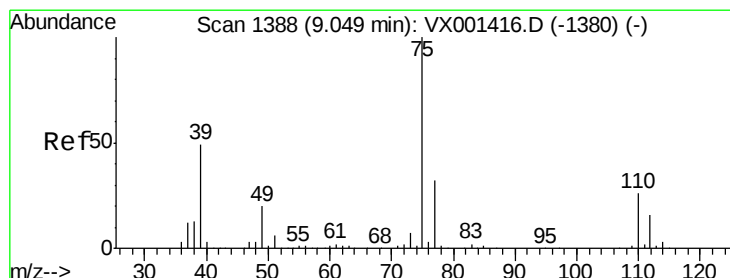
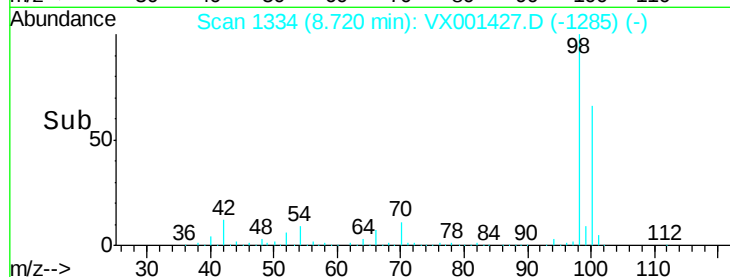
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

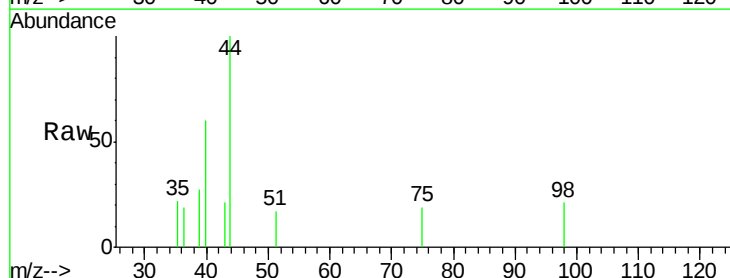
Tgt Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200

150

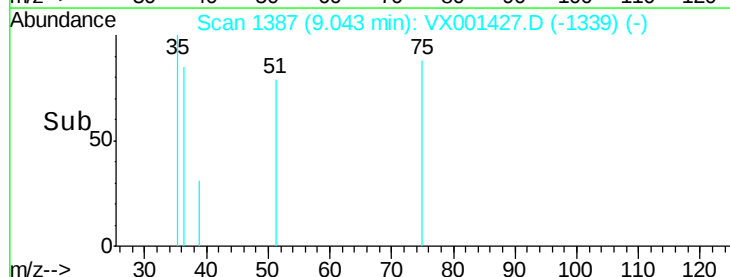
100

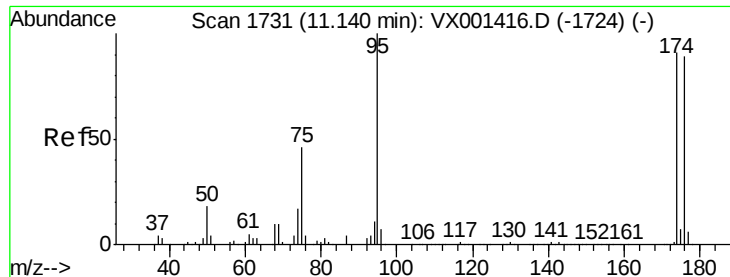
50

0

Time-->

9.02 9.03 9.04 9.05

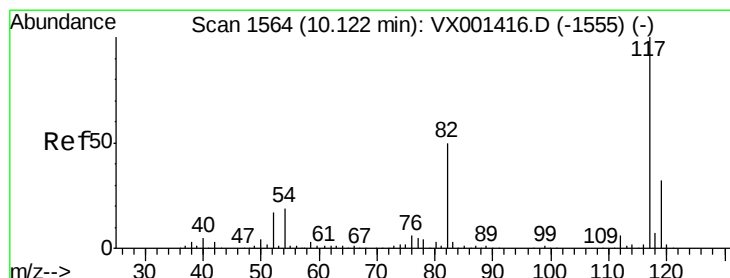
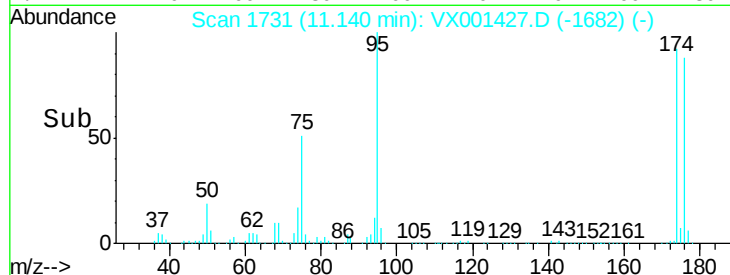
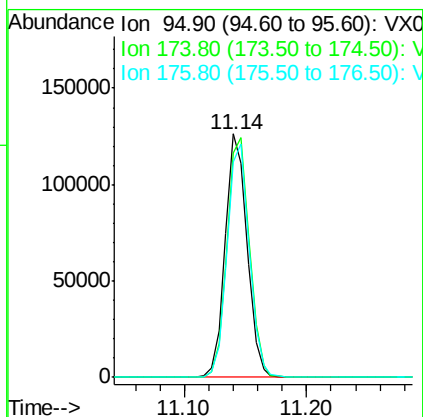
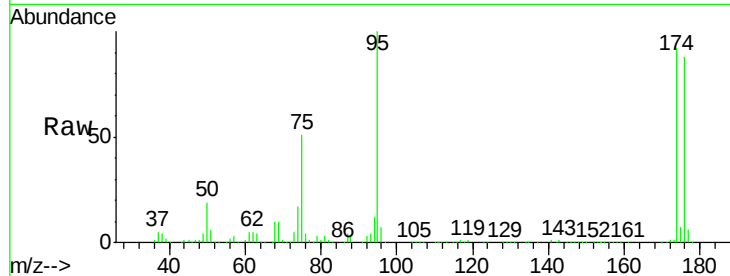




#62
4-Bromofluorobenzene
Concen: 37.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001427.D
Acq: 05 May 2018 19:14

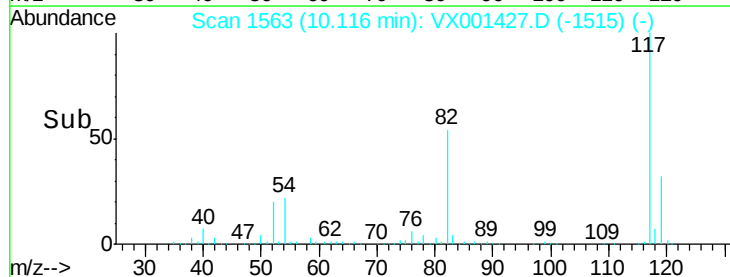
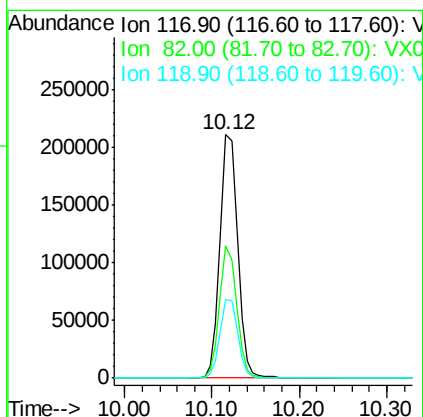
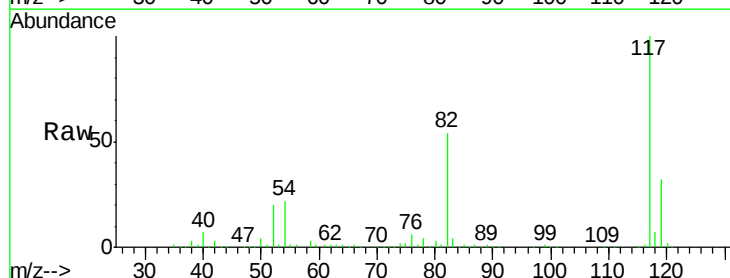
Instrument :
MSVOA_X
ClientSampleId :
TP-3AB-COMP

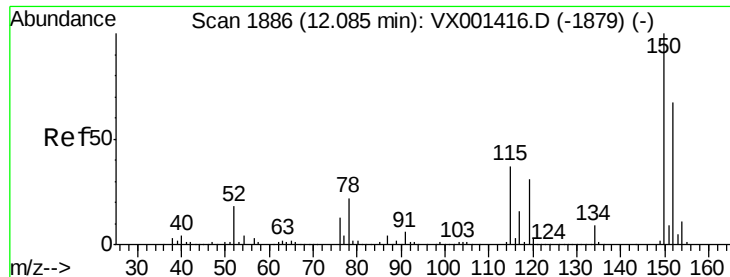
Tgt Ion: 95 Resp: 155214
Ion Ratio Lower Upper
95 100
174 101.4 0.0 202.0
176 97.3 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001427.D
Acq: 05 May 2018 19:14

Tgt Ion: 117 Resp: 298155
Ion Ratio Lower Upper
117 100
82 54.5 40.0 60.0
119 32.3 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: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

TP-3AB-COMP

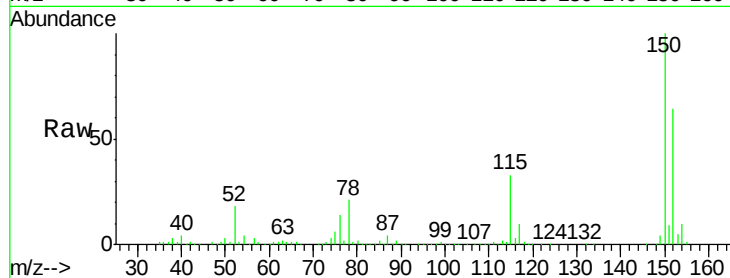
Tgt Ion:152 Resp: 167461

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

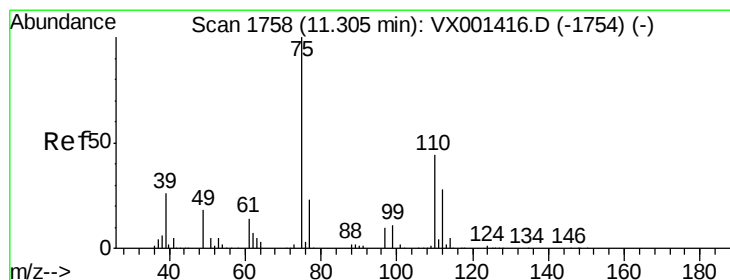
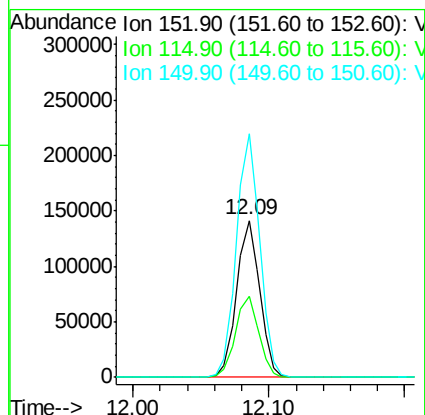
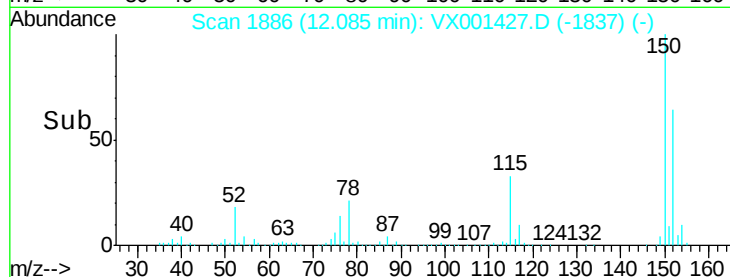
150 156.6 0.0 349.4



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: 22.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001427.D

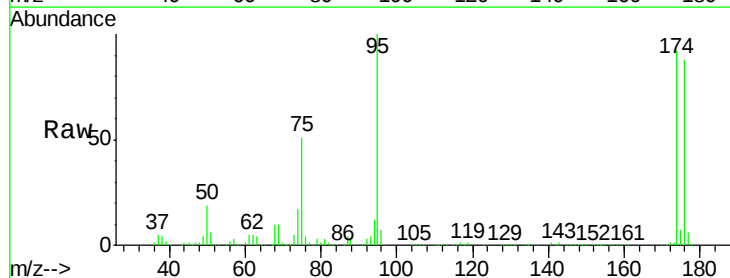
Acq: 05 May 2018 19:14

Tgt Ion: 75 Resp: 77739

Ion Ratio Lower Upper

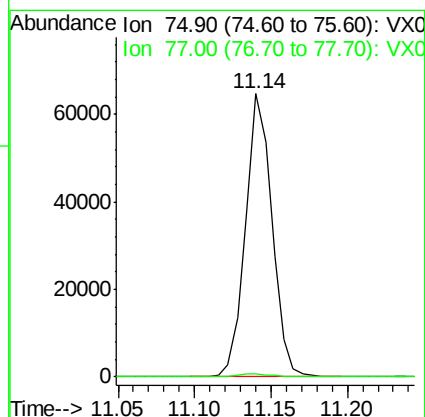
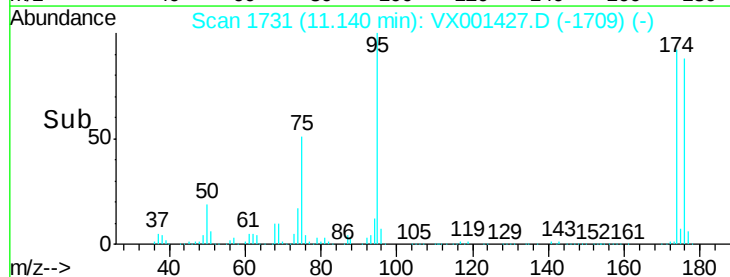
75 100

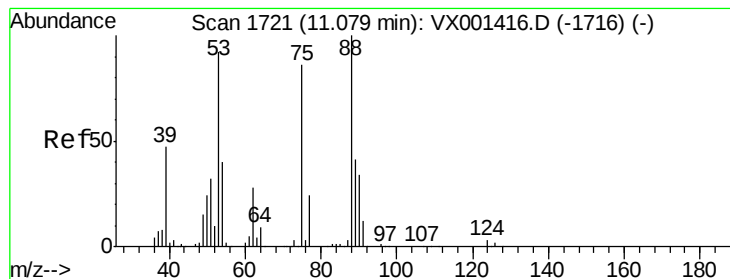
77 1.2 19.6 58.7#



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: 71.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

TP-3AB-COMP

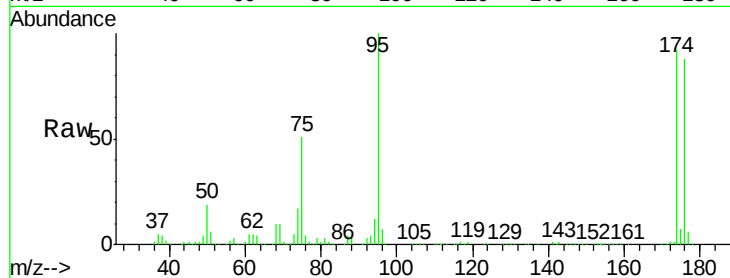
Tgt Ion: 75 Resp: 77739

Ion Ratio Lower Upper

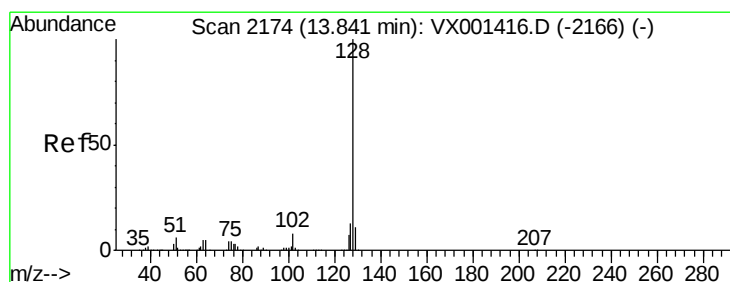
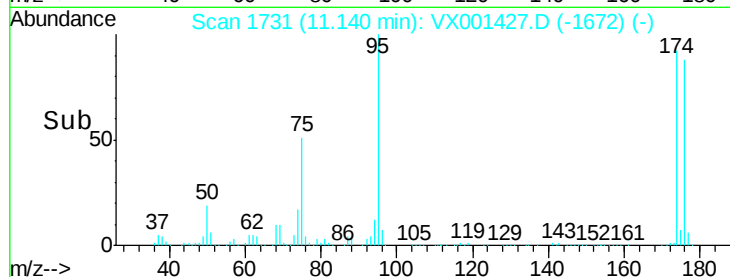
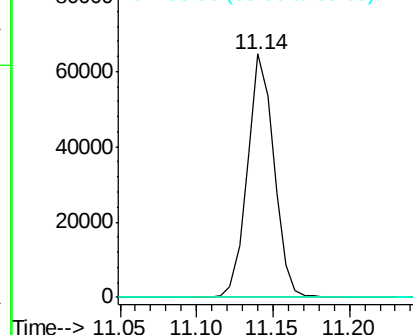
75 100

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



#95

Naphthalene

Concen: 4.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001427.D

Acq: 05 May 2018 19:14

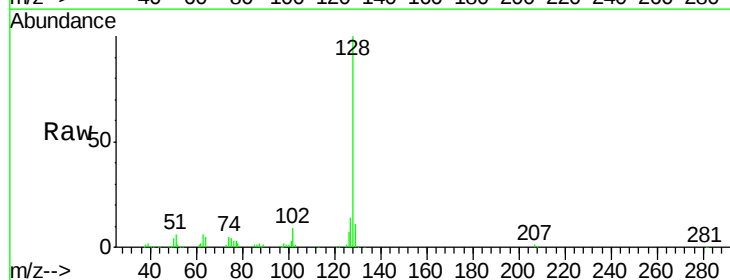
Tgt Ion: 128 Resp: 53721

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.2 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

