

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001430.D
 Acq On : 05 May 2018 20:35
 Operator : JC/MD
 Sample : J2706-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001

Quant Time: May 06 08:07:45 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	247265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164547	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	162542	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	5.51	113	126322	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	
50) Toluene-d8	8.72	98	456140	41.85	ug/l	0.00
Spiked Amount			Recovery	=	83.70%	
62) 4-Bromofluorobenzene	11.14	95	151636	36.24	ug/l	0.00
Spiked Amount			Recovery	=	72.48%	

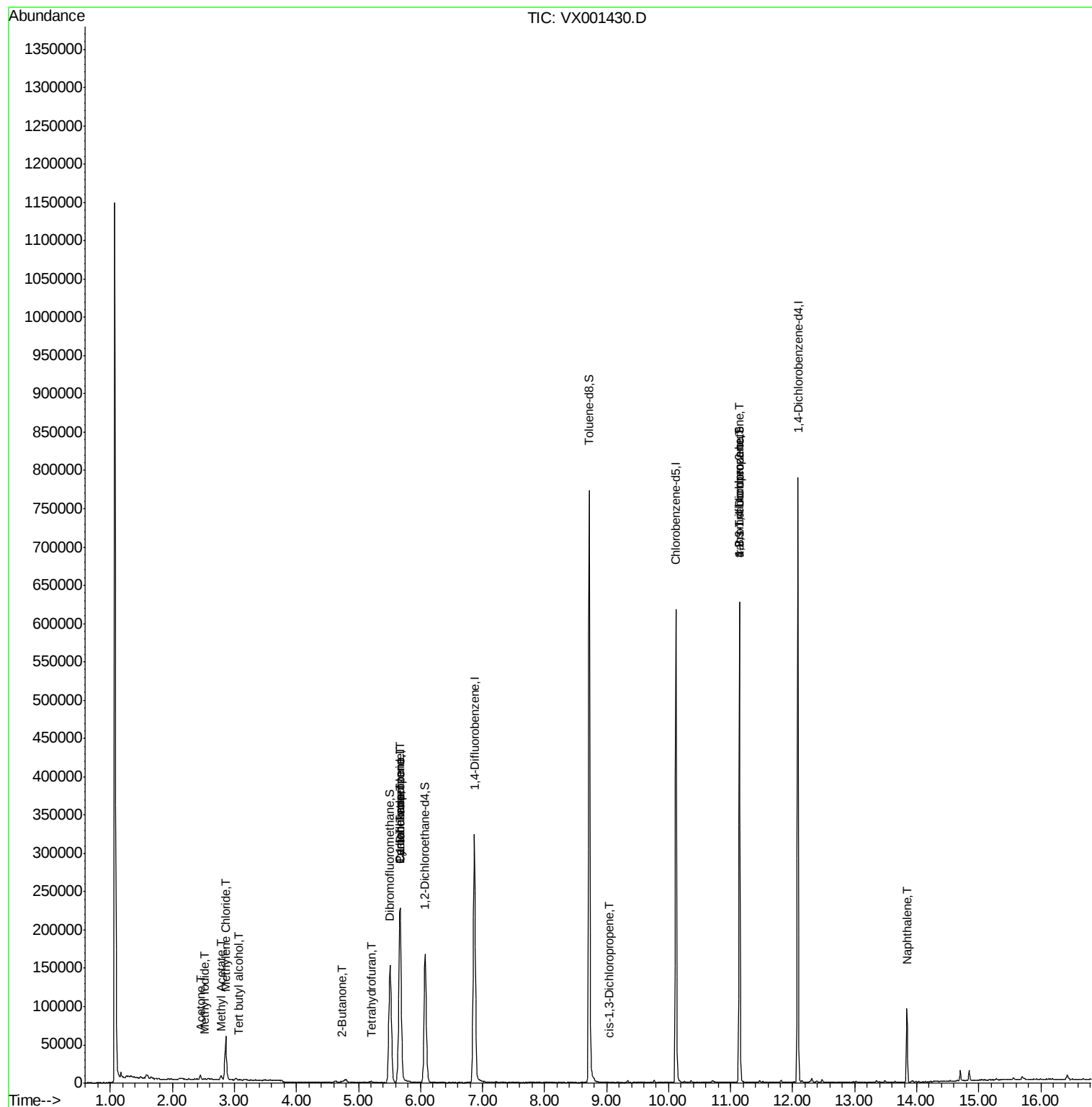
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1436	Below Cal		88
10) Methyl Iodide	2.52	142	1097	0.25 ug/l	#	94
11) Tert butyl alcohol	3.08	59	373	0.50 ug/l	#	88
13) Acrolein	2.26	56	64	Below Cal	#	24
16) Acetone	2.45	43	5687	3.52 ug/l		98
18) Methyl Acetate	2.78	43	5690	1.34 ug/l		96
20) Methylene Chloride	2.86	84	25769	8.06 ug/l		97
25) 2-Butanone	4.73	43	2329	1.00 ug/l		97
29) Tetrahydrofuran	5.20	42	1041	0.70 ug/l	#	56
31) Cyclohexane	5.67	56	4303	0.94 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	15679	3.67 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21219	4.66 ug/l	#	15
54) cis-1,3-Dichloropropene	9.04	75	80	2.28 ug/l	#	34
76) 1,2,3-Trichloropropane	11.14	75	77741	23.30 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	77741	72.19 ug/l	#	7
95) Naphthalene	13.84	128	58377	4.79 ug/l		99

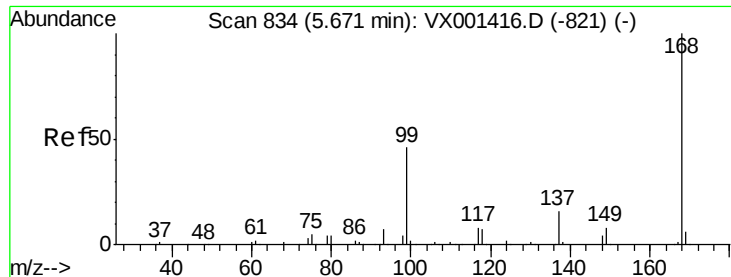
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

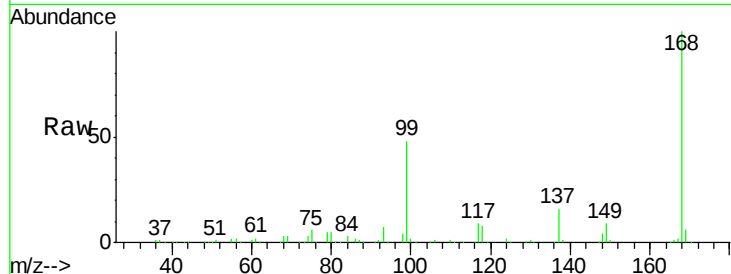
001

Tgt Ion:168 Resp: 247265

Ion Ratio Lower Upper

168 100

99 48.4 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

80000

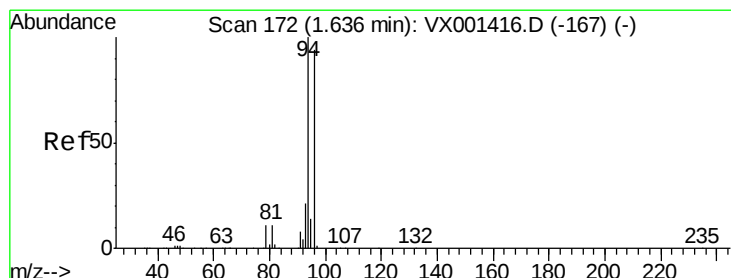
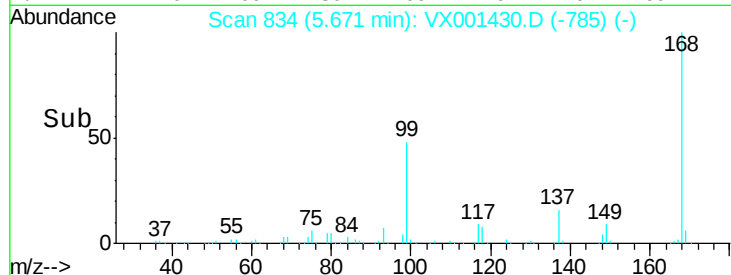
60000

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: VX001430.D

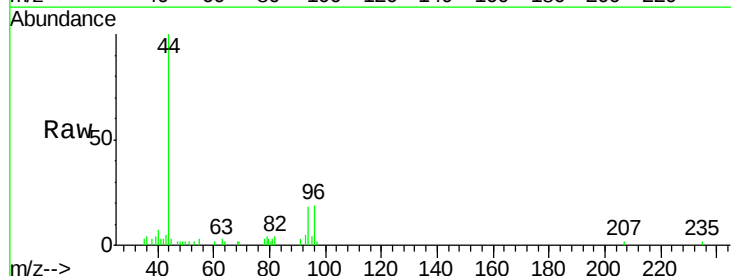
Acq: 05 May 2018 20:35

Tgt Ion: 94 Resp: 1436

Ion Ratio Lower Upper

94 100

96 105.8 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

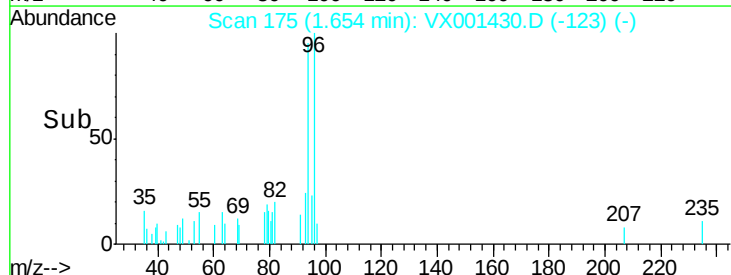
600

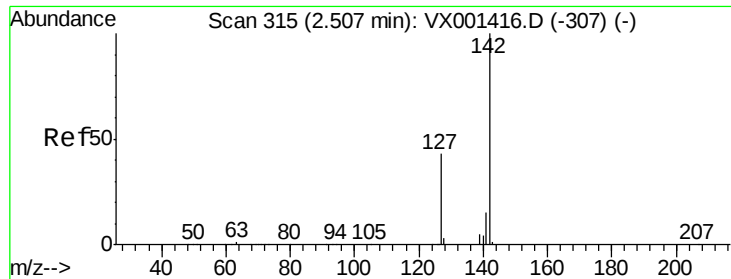
400

200

0

Time--> 1.60 1.65 1.70

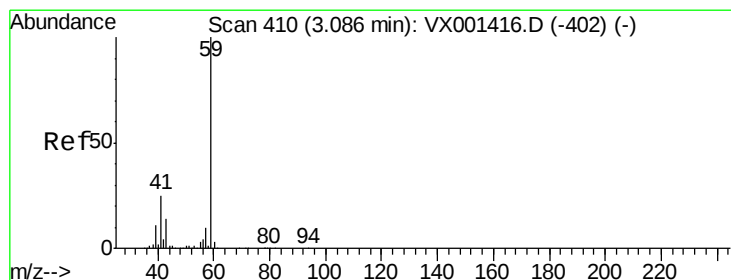
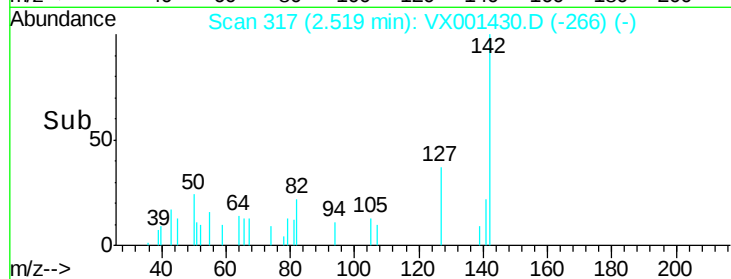
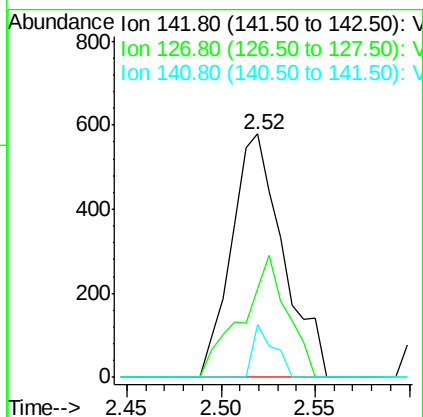
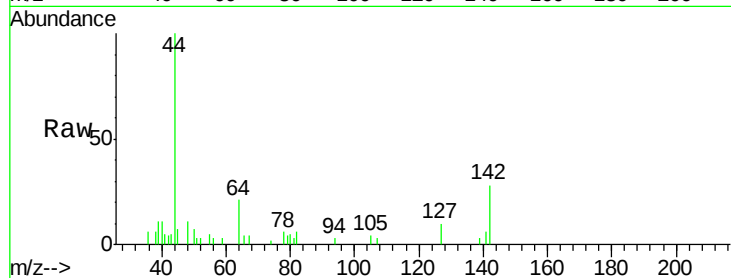




#10
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001430.D
Acq: 05 May 2018 20:35

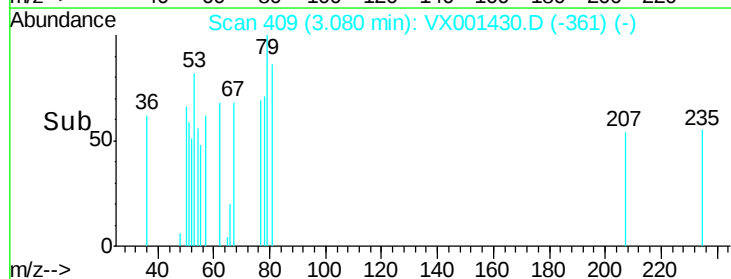
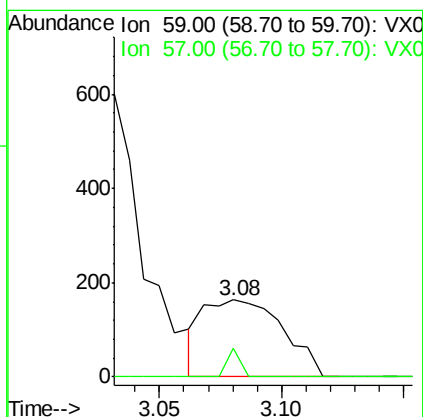
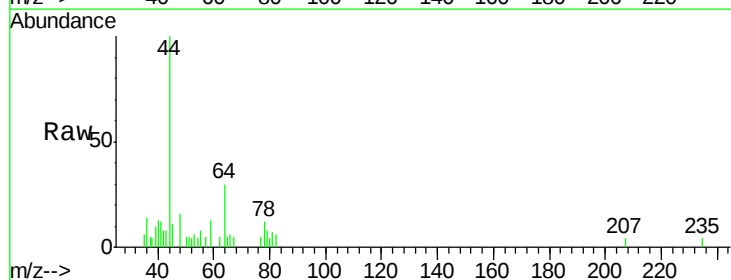
Instrument :
MSVOA_X
ClientSampleId :
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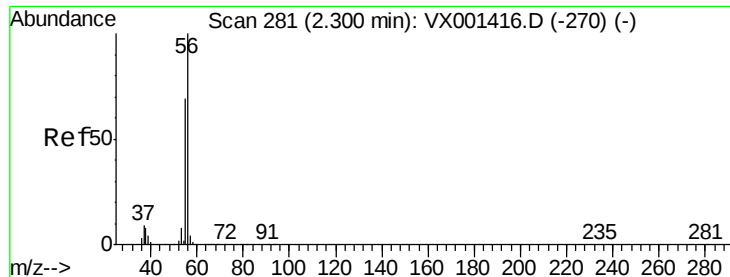
Tgt Ion:142 Resp: 1097
Ion Ratio Lower Upper
142 100
127 44.3 33.6 50.4
141 8.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.50 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001430.D
Acq: 05 May 2018 20:35

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 275

Delta R.T. -0.04 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampled :

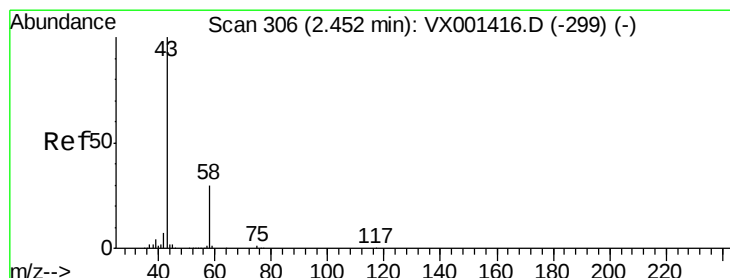
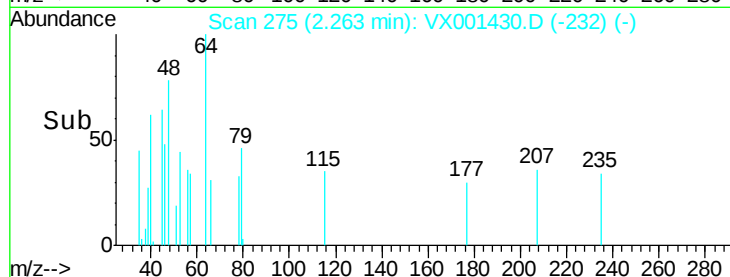
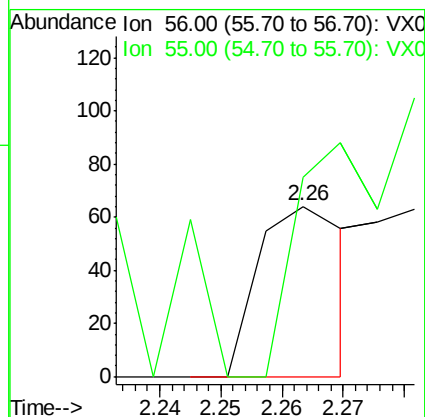
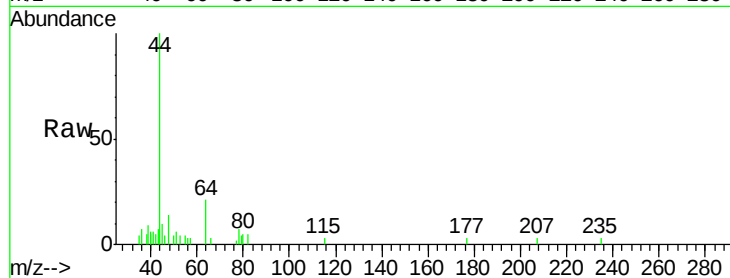
001

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 129.7 54.5 81.7#



#16

Acetone

Concen: 3.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001430.D

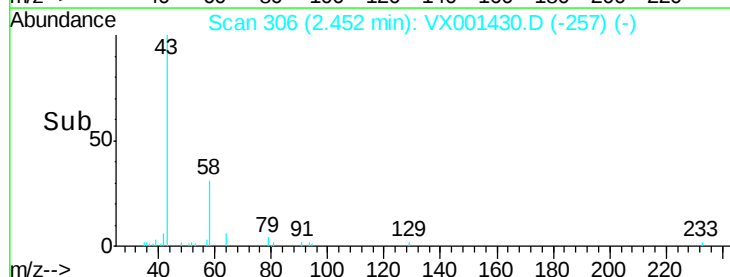
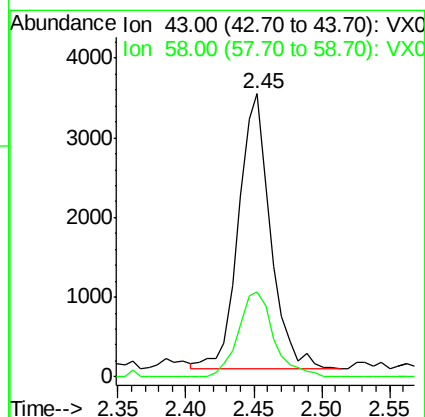
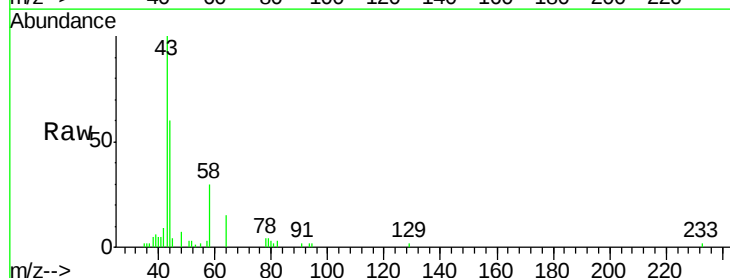
Acq: 05 May 2018 20:35

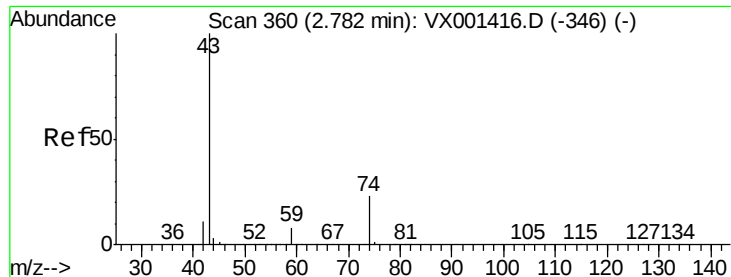
Tgt Ion: 43 Resp: 5687

Ion Ratio Lower Upper

43 100

58 30.7 23.8 35.8

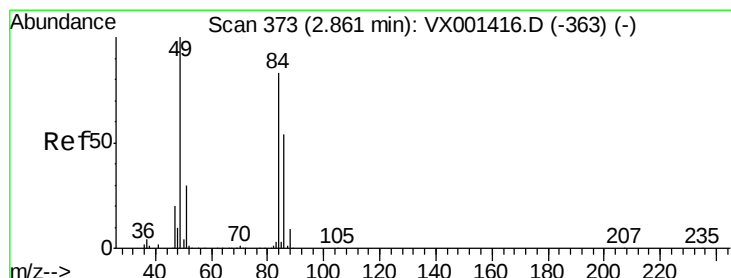
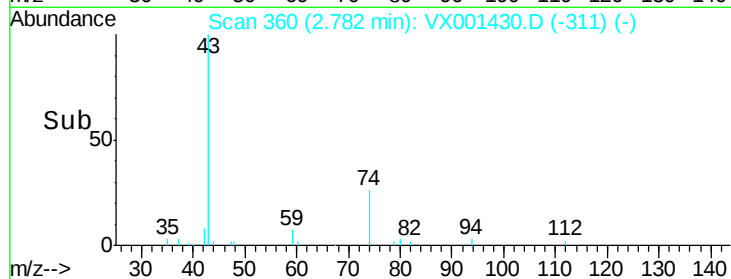
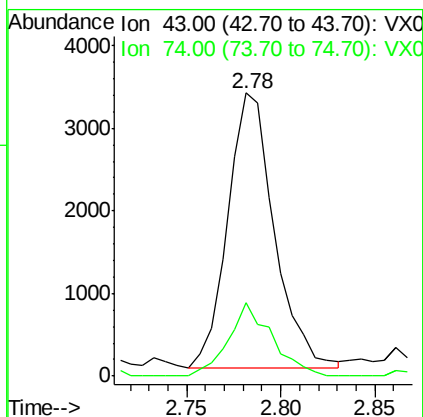
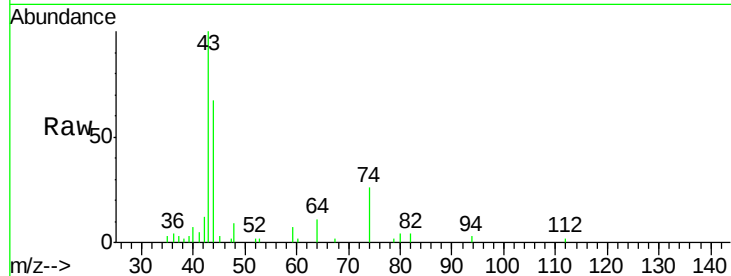




#18
Methyl Acetate
Concen: 1.34 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001430.D
Acq: 05 May 2018 20:35

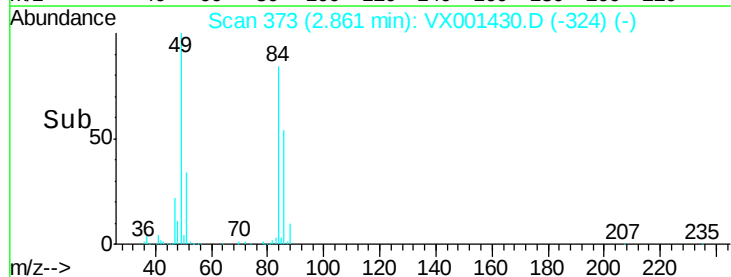
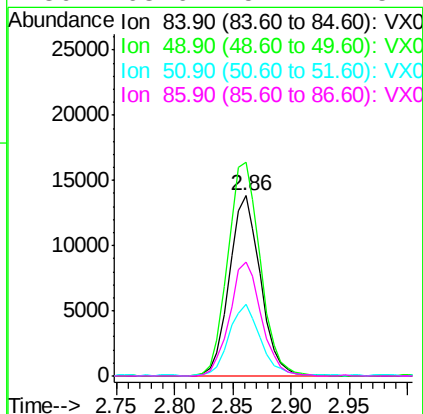
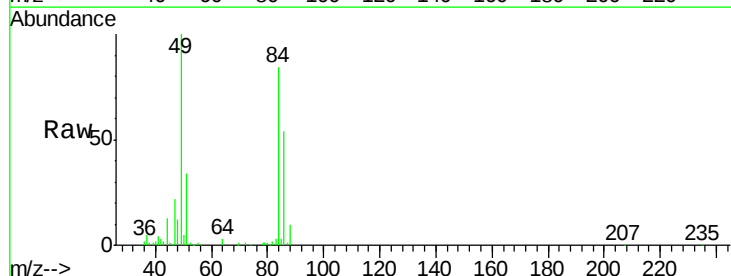
Instrument :
MSVOA_X
ClientSampleId :
001

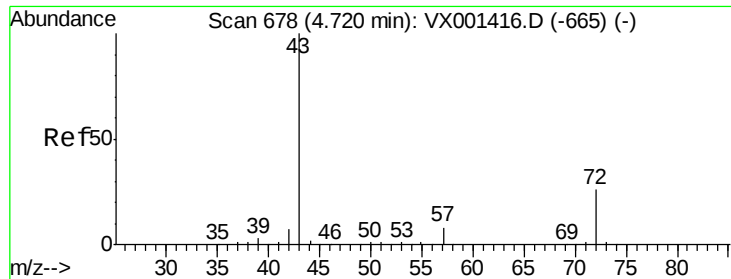
Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
74 25.1 18.6 27.8



#20
Methylene Chloride
Concen: 8.06 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001430.D
Acq: 05 May 2018 20:35

Tgt Ion: 84 Resp: 25769
Ion Ratio Lower Upper
84 100
49 118.7 96.6 144.8
51 39.8 29.0 43.4
86 63.6 52.2 78.4





#25

2-Butanone

Concen: 1.00 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampled :

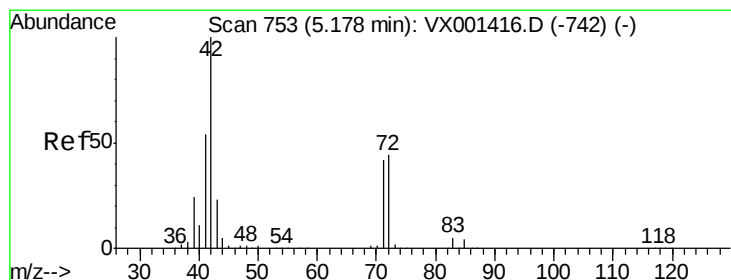
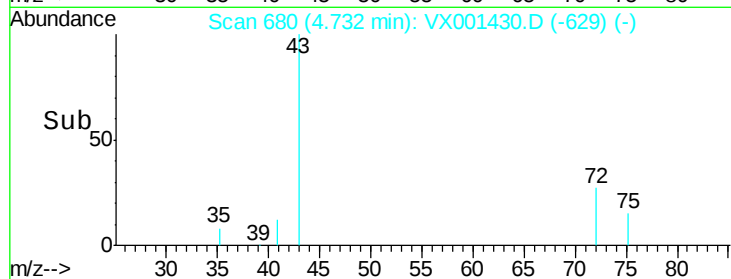
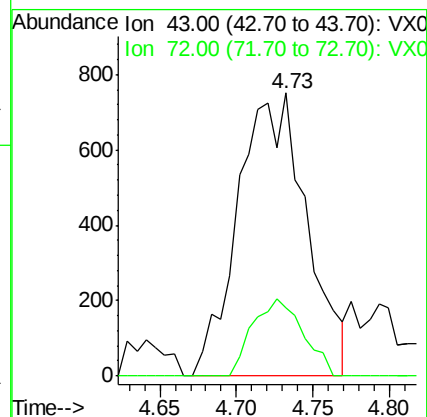
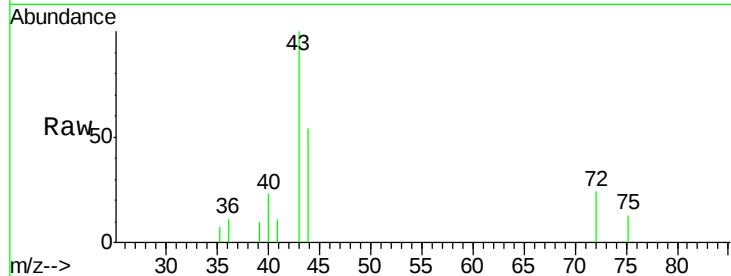
001

Tgt Ion: 43 Resp: 2329

Ion Ratio Lower Upper

43 100

72 24.2 20.7 31.1



#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

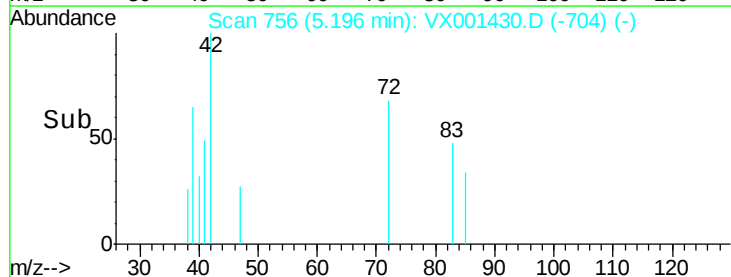
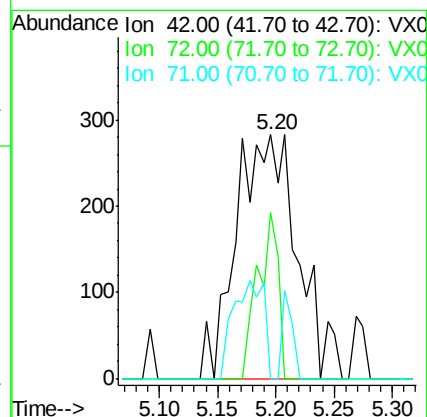
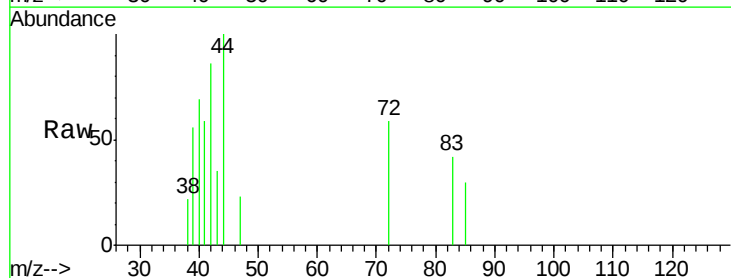
Tgt Ion: 42 Resp: 1041

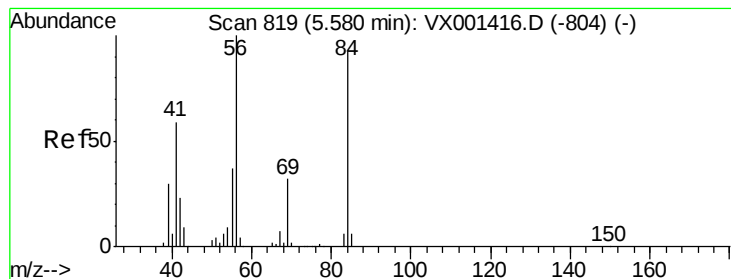
Ion Ratio Lower Upper

42 100

72 22.8 35.4 53.2#

71 5.8 33.0 49.4#





#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

001

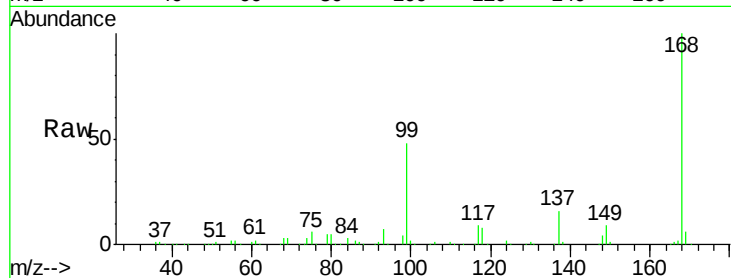
Tgt Ion: 56 Resp: 4303

Ion Ratio Lower Upper

56 100

69 167.1 25.4 38.0#

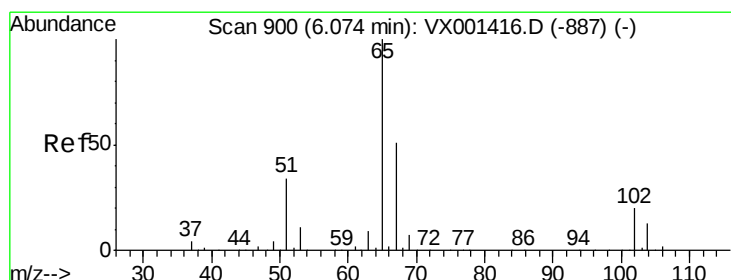
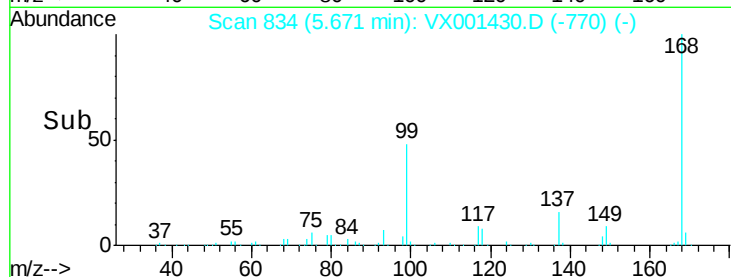
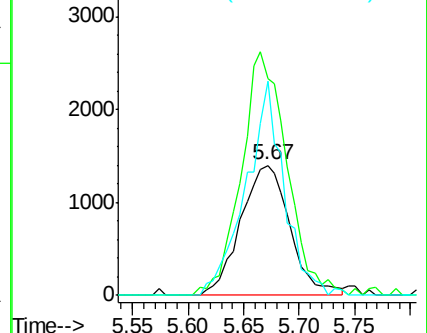
84 164.9 73.8 110.8#



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: 45.74 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001430.D

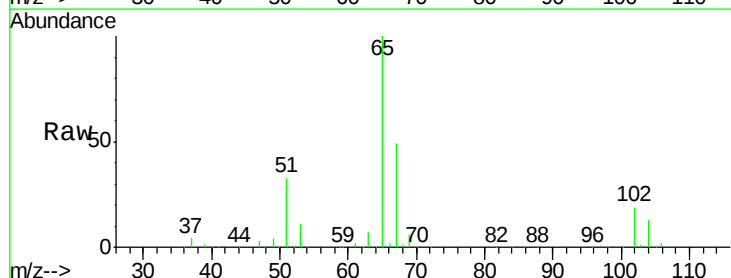
Acq: 05 May 2018 20:35

Tgt Ion: 65 Resp: 162542

Ion Ratio Lower Upper

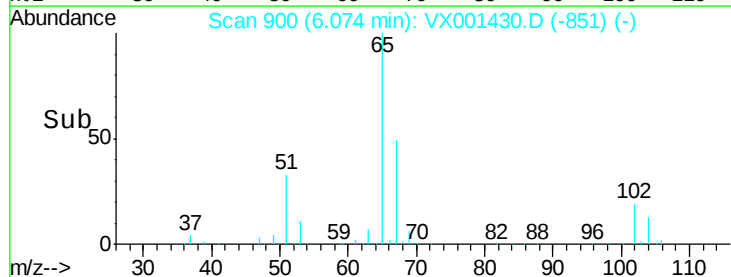
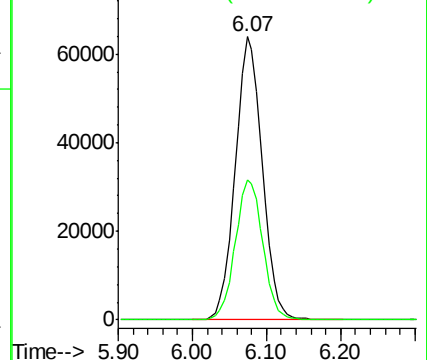
65 100

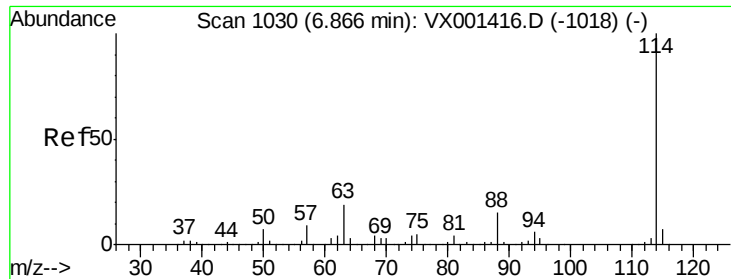
67 50.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

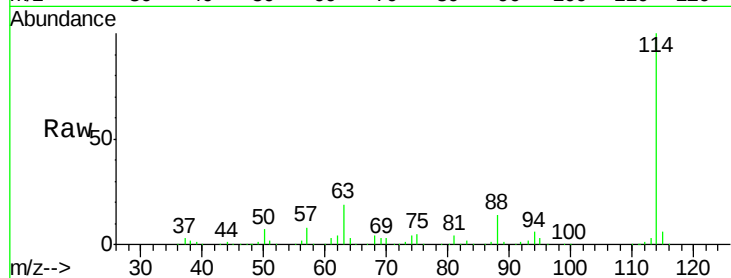




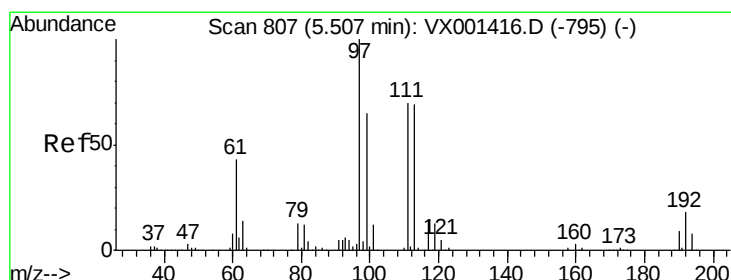
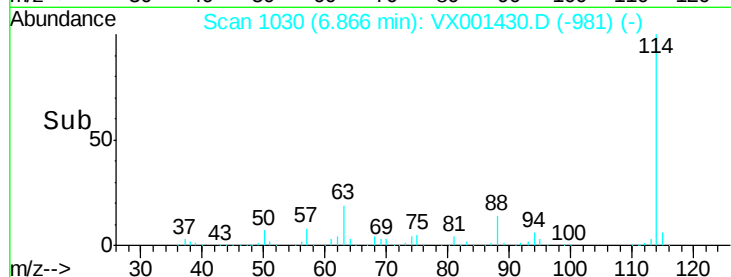
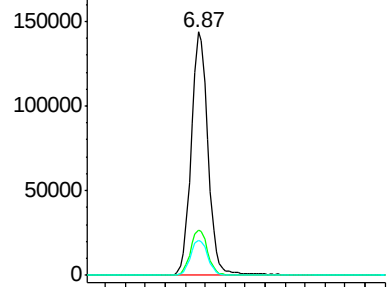
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001430.D
 Acq: 05 May 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 001

Tgt Ion:114 Resp: 335678
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 14.1 0.0 30.8

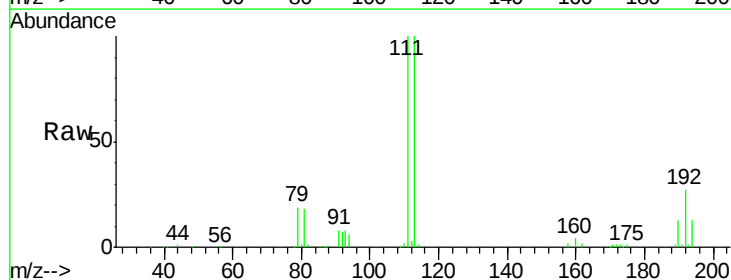


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

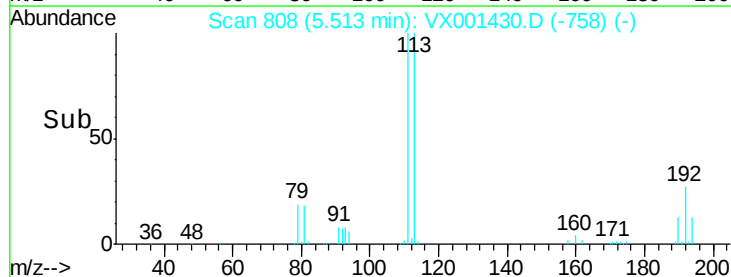
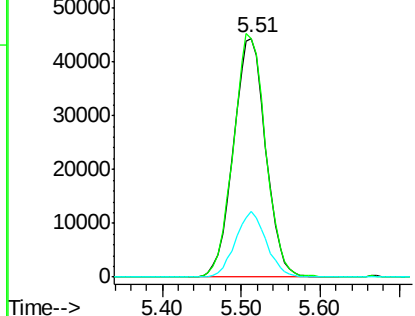


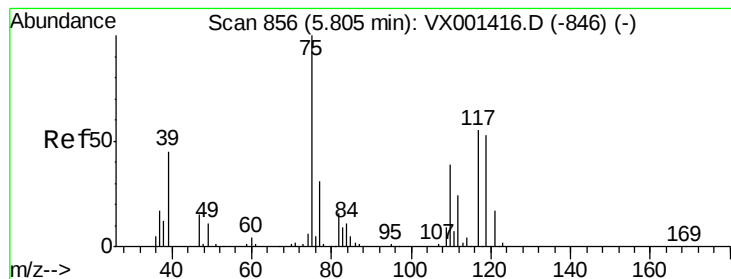
#35
 Dibromofluoromethane
 Concen: 42.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001430.D
 Acq: 05 May 2018 20:35

Tgt Ion:113 Resp: 126322
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.2
 192 26.2 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: 3.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

001

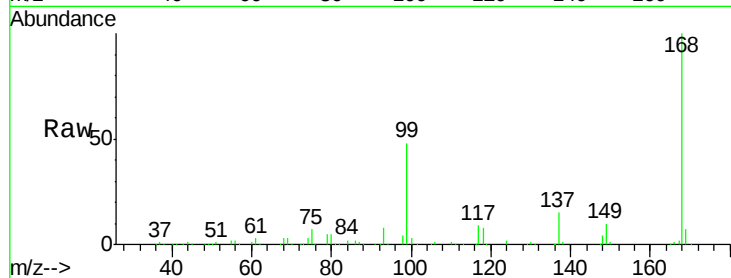
Tgt Ion: 75 Resp: 15679

Ion Ratio Lower Upper

75 100

110 9.4 18.9 56.7#

77 0.2 24.9 37.3#

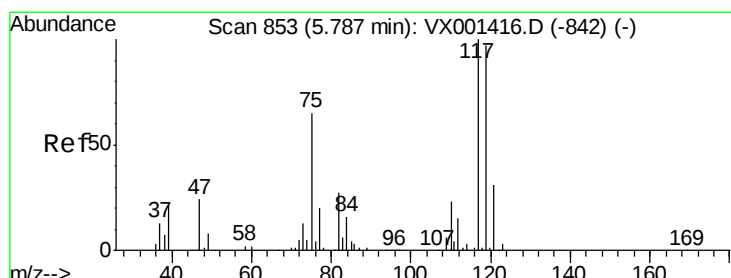
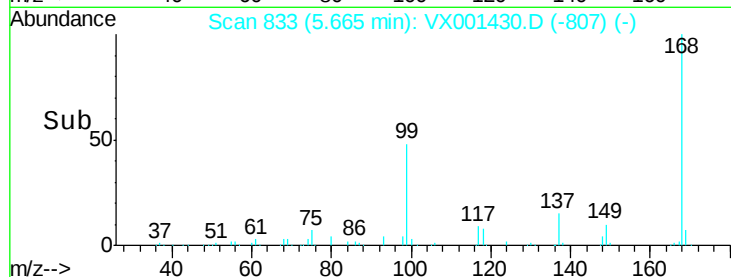


Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-846) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

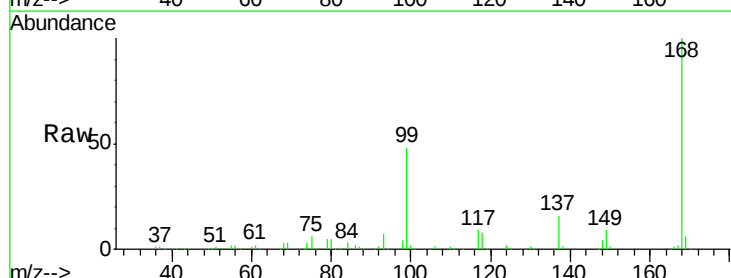
Tgt Ion: 117 Resp: 21219

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

121 0.0 25.1 37.7#

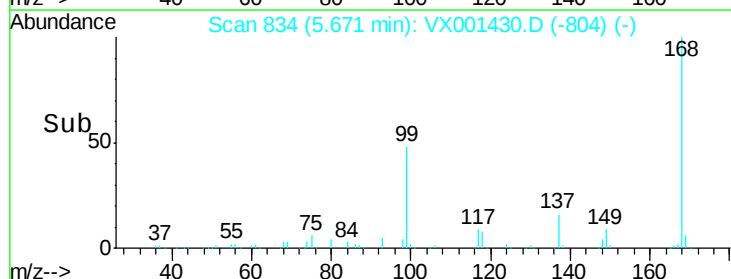


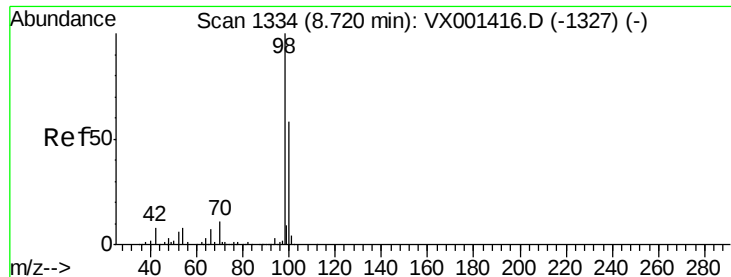
Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

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

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

Time-->





#50

Toluene-d8

Concen: 41.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

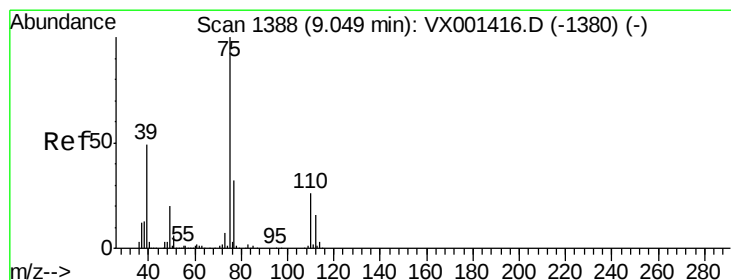
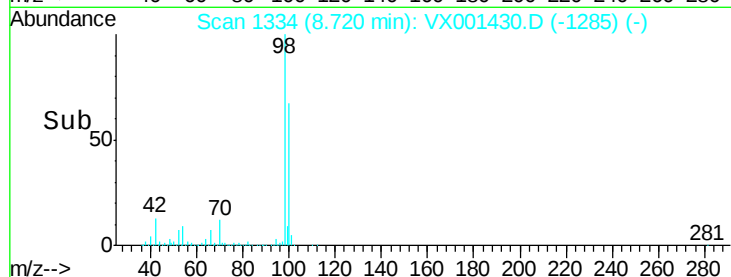
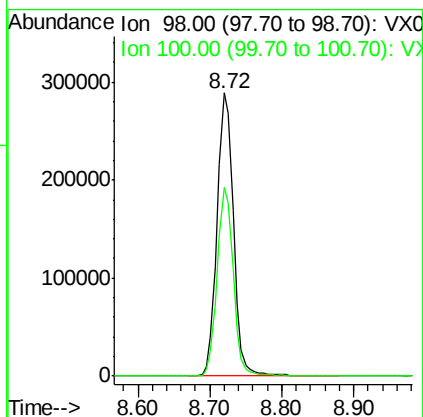
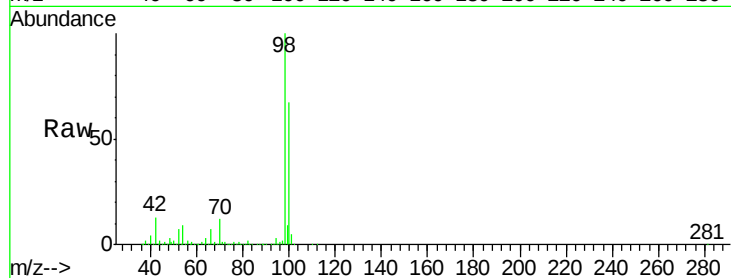
ClientSampleId :
001

Tgt Ion: 98 Resp: 456140

Ion Ratio Lower Upper

98 100

100 65.8 54.0 81.0



#54

cis-1,3-Dichloropropene

Concen: 2.28 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

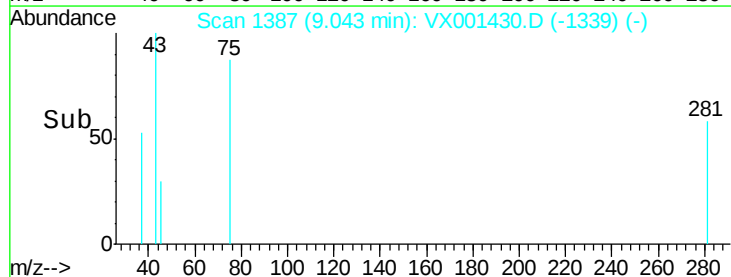
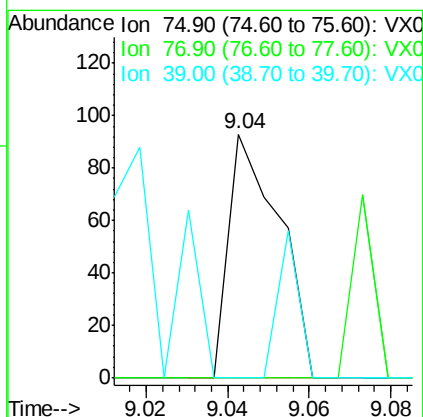
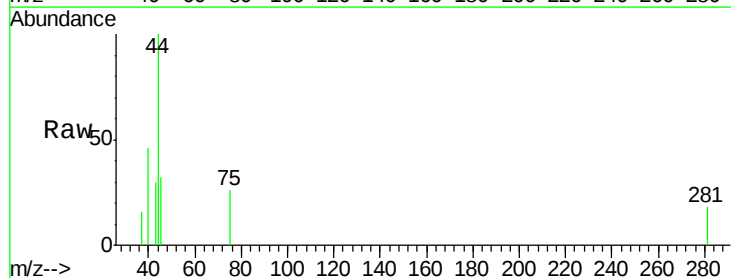
Tgt Ion: 75 Resp: 80

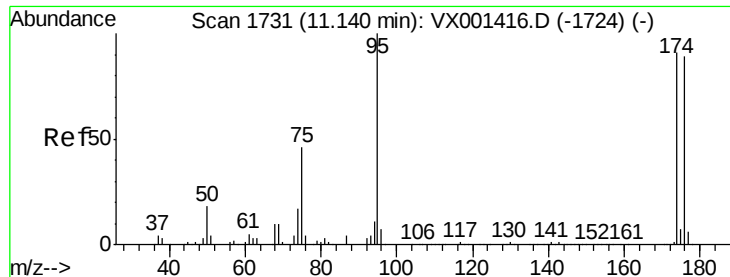
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 0.0 38.9 58.3#





#62

4-Bromofluorobenzene

Concen: 36.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

001

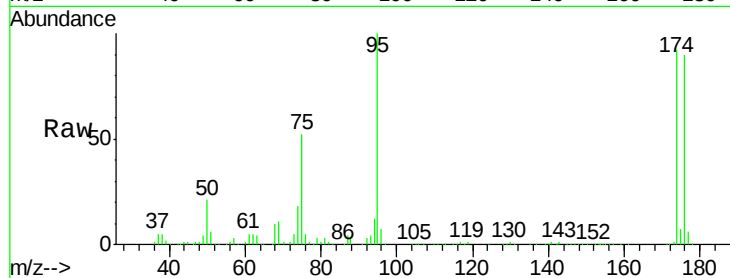
Tgt Ion: 95 Resp: 151636

Ion Ratio Lower Upper

95 100

174 102.0 0.0 202.0

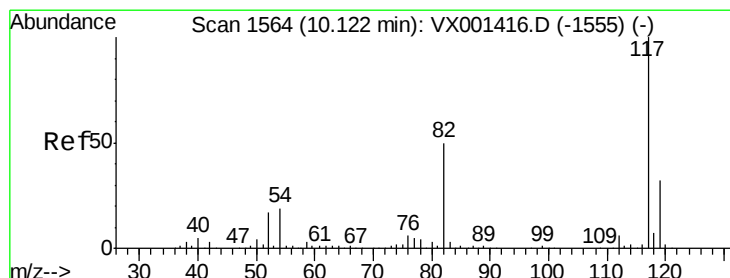
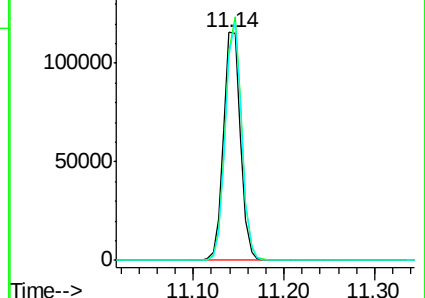
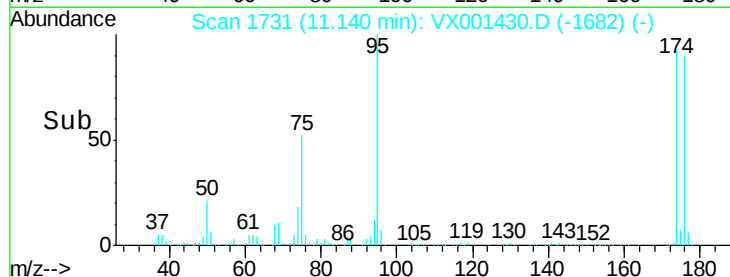
176 99.2 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX001430.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001430.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001430.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

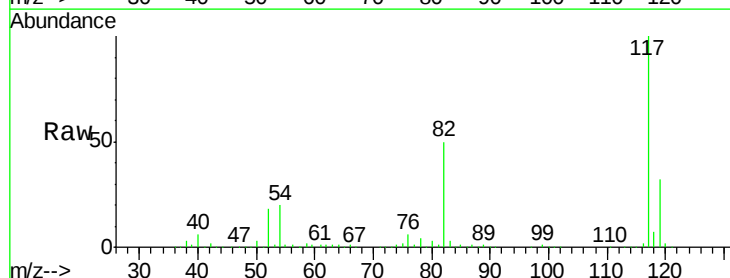
Tgt Ion: 117 Resp: 294452

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

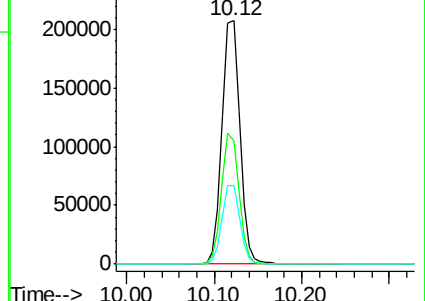
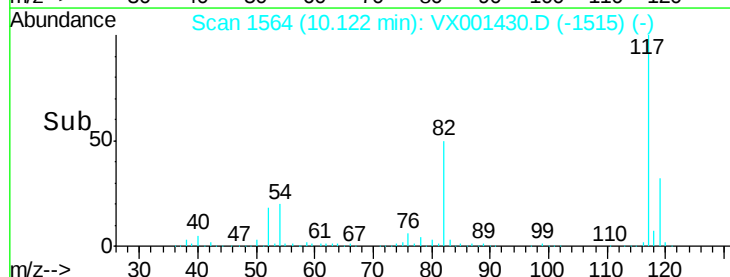
119 32.5 25.8 38.8

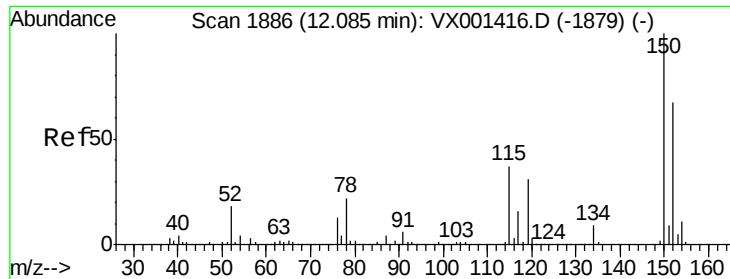


Abundance Ion 116.90 (116.60 to 117.60): VX001430.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001430.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001430.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampled :

001

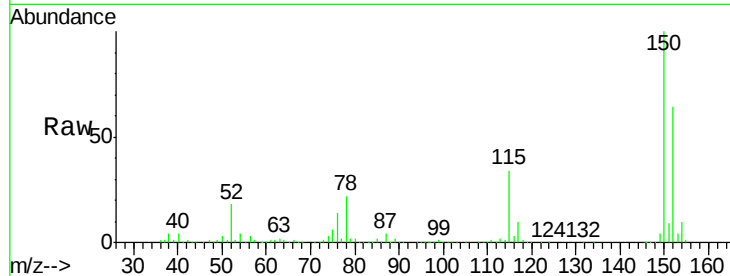
Tgt Ion:152 Resp: 164547

Ion Ratio Lower Upper

152 100

115 53.0 37.7 113.1

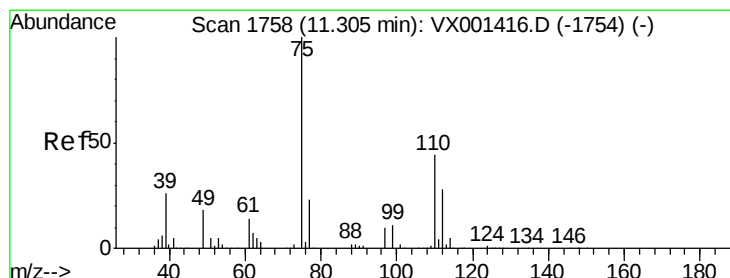
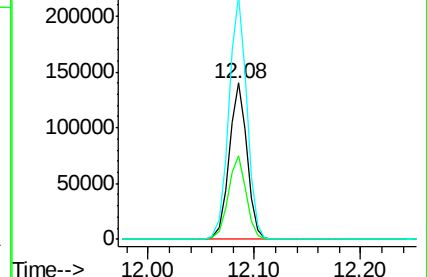
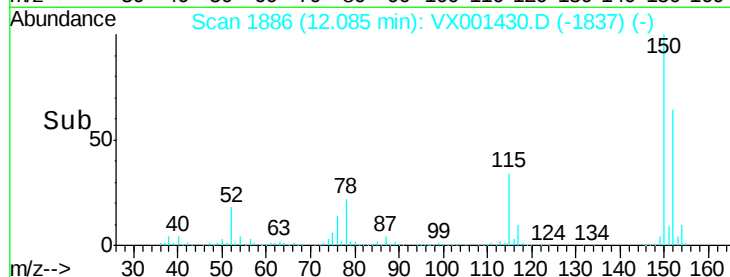
150 155.9 0.0 349.4



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: 23.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001430.D

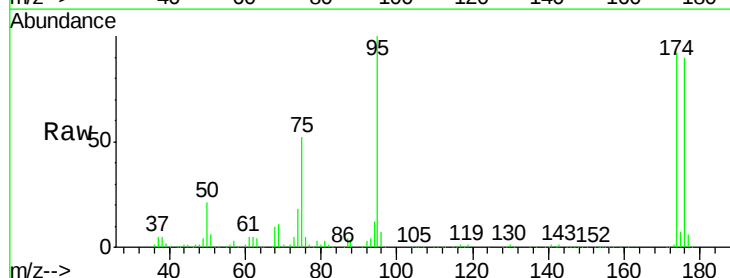
Acq: 05 May 2018 20:35

Tgt Ion: 75 Resp: 77741

Ion Ratio Lower Upper

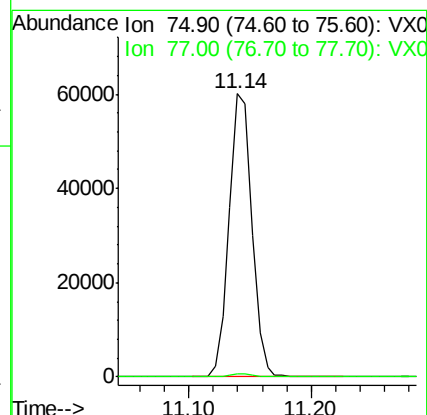
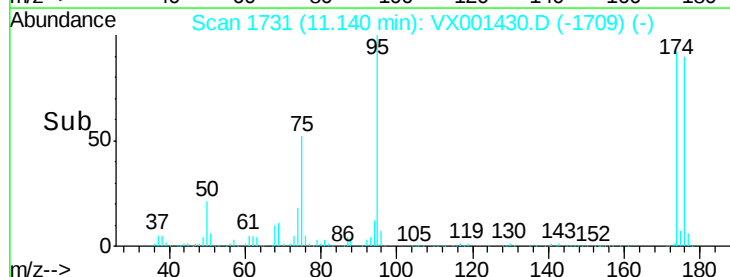
75 100

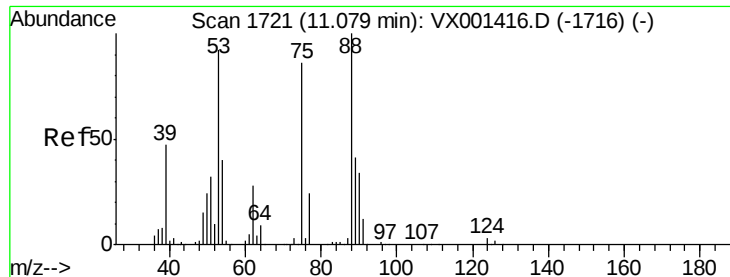
77 1.2 19.6 58.7#



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: 72.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

001

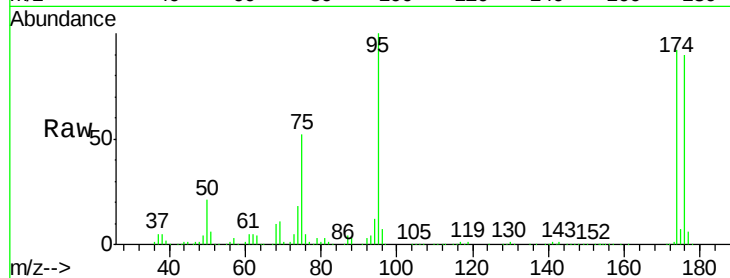
Tgt Ion: 75 Resp: 77741

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

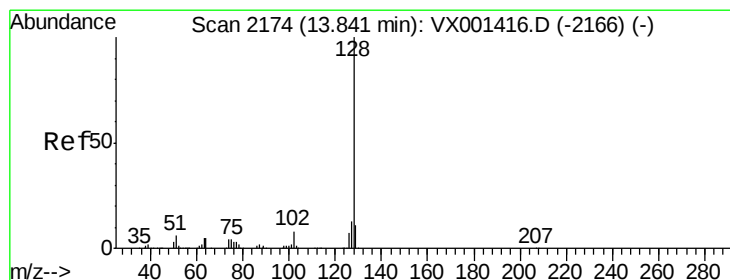
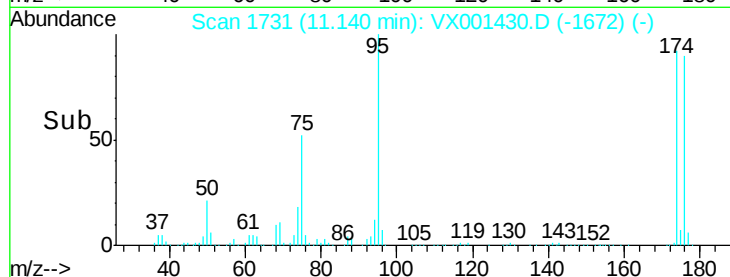
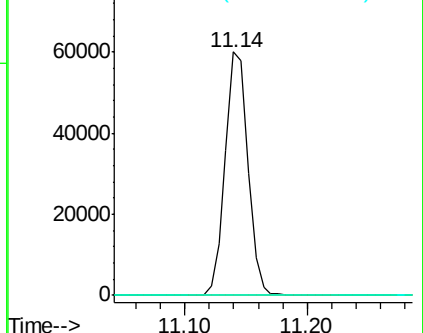
89 0.0 39.5 59.3#



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: 4.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001430.D

Acq: 05 May 2018 20:35

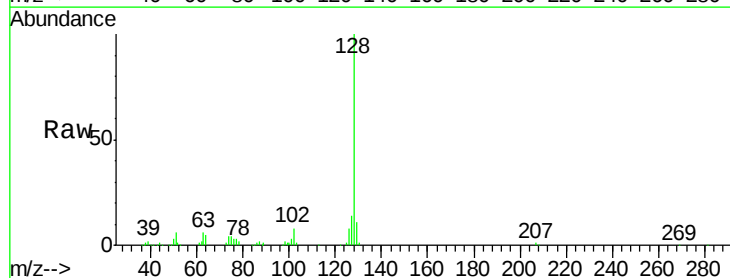
Tgt Ion:128 Resp: 58377

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 10.7 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

