

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000855.D
 Acq On : 13 Apr 2018 17:42
 Operator : JC/MD
 Sample : J2348-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 135-348

Quant Time: Apr 14 05:15:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	251339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	190622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	142801	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
35) Dibromofluoromethane	5.51	113	117707	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	
50) Toluene-d8	8.73	98	452060	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.15	95	172294	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	

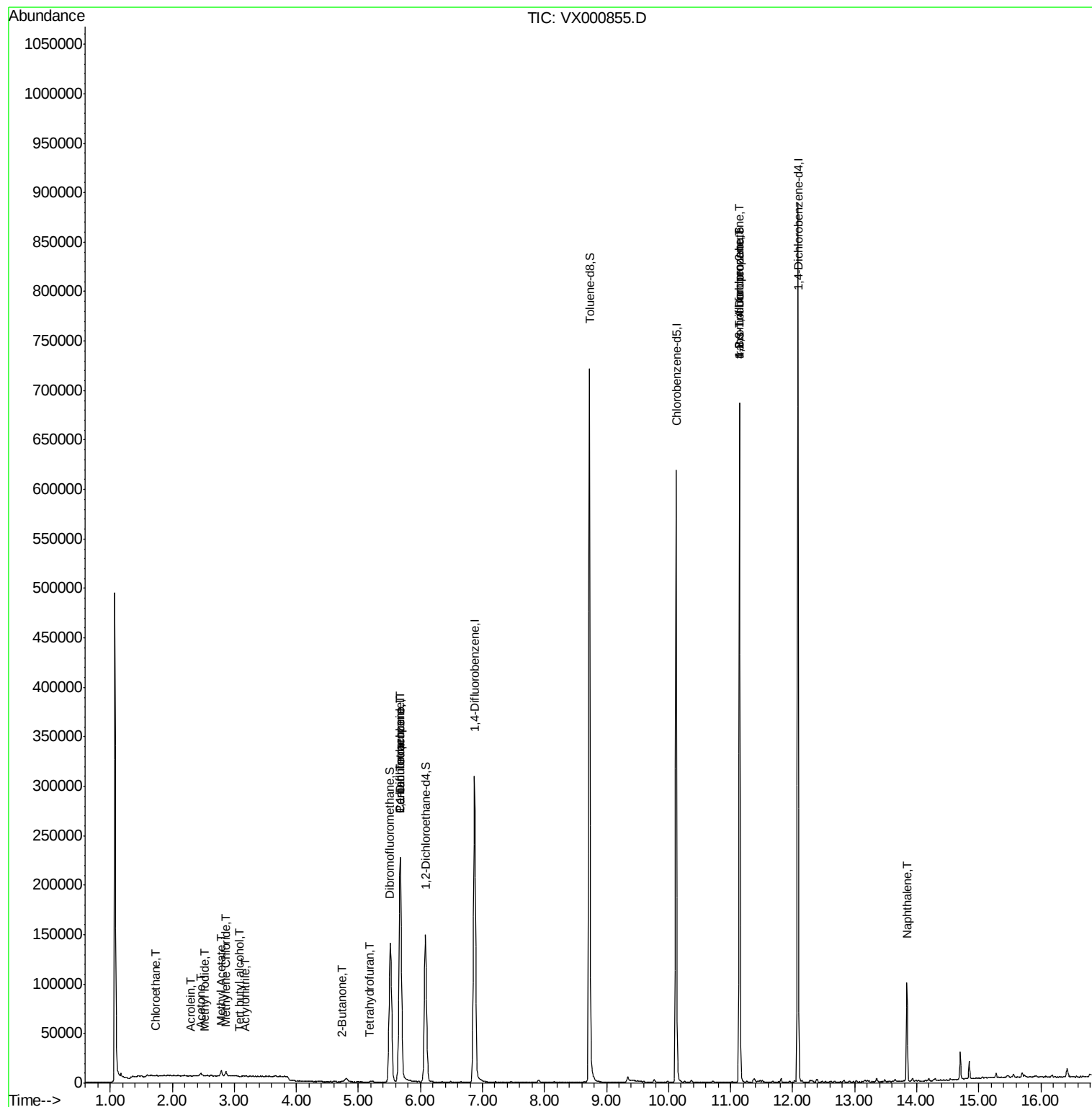
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	388	Below Cal		89
6) Chloroethane	1.73	64	340	0.21 ug/l	#	43
10) Methyl Iodide	2.51	142	192	8.31 ug/l	#	70
11) Tert butyl alcohol	3.09	59	205	0.36 ug/l	#	38
13) Acrolein	2.30	56	90	0.33 ug/l	#	1
15) Acrylonitrile	3.17	53	345	0.29 ug/l	#	72
16) Acetone	2.45	43	4163	3.81 ug/l		93
18) Methyl Acetate	2.79	43	5982	2.12 ug/l		97
20) Methylene Chloride	2.86	84	1919	0.75 ug/l		94
25) 2-Butanone	4.72	43	896	0.50 ug/l	#	50
29) Tetrahydrofuran	5.18	42	493	0.43 ug/l	#	58
36) 1,1-Dichloropropene	5.68	75	15173	4.20 ug/l	#	49
38) Carbon Tetrachloride	5.68	117	21747	5.38 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	84892	25.82 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	84892	71.03 ug/l	#	11
95) Naphthalene	13.84	128	62100	4.48 ug/l		100

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

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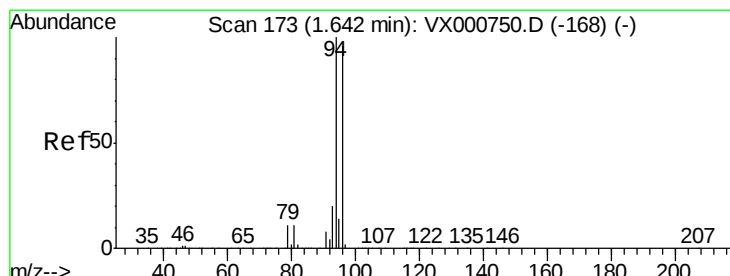
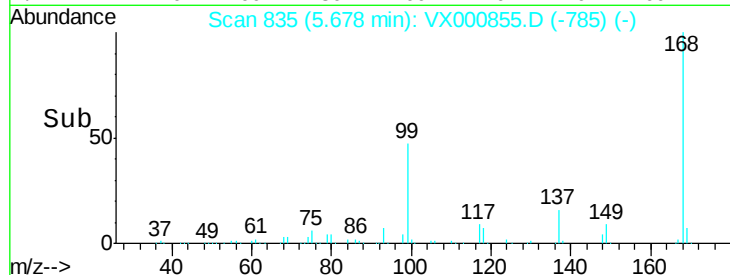
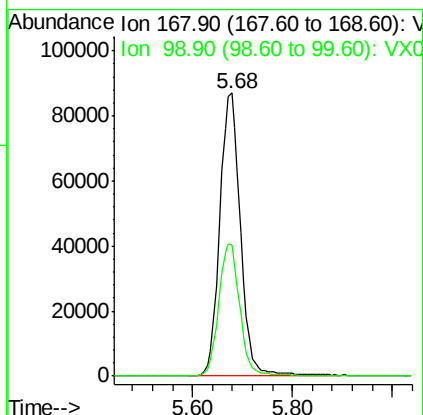
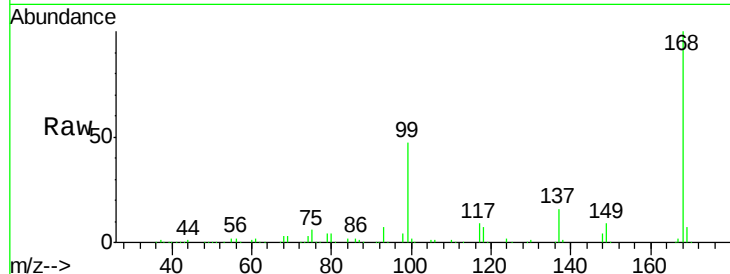




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.01 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

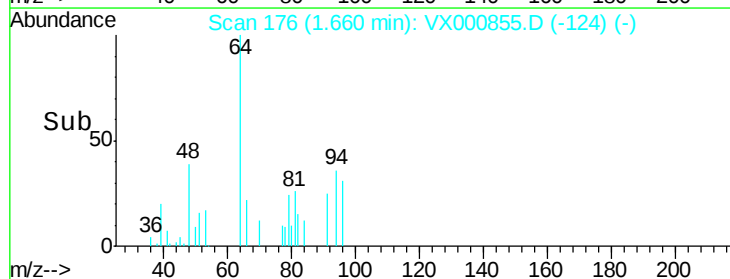
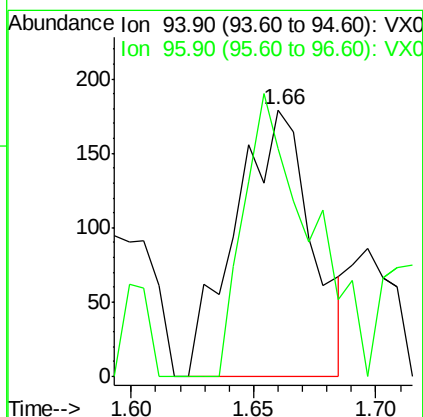
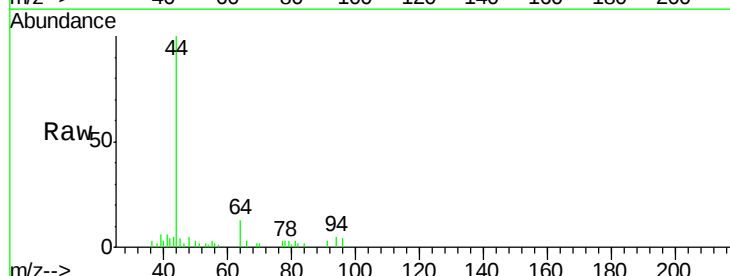
Instrument :
MSVOA_X
ClientSampleId :
135-348

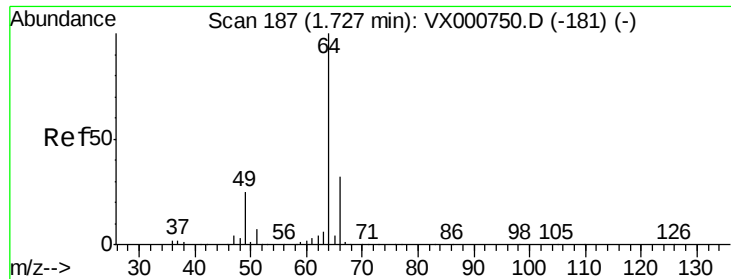
Tgt Ion: 168 Resp: 251339
Ion Ratio Lower Upper
168 100
99 46.5 38.3 57.5



#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 85.5 77.0 115.6





#6

Chloroethane

Concen: 0.21 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

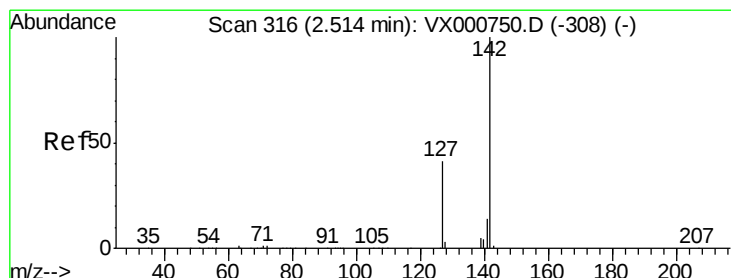
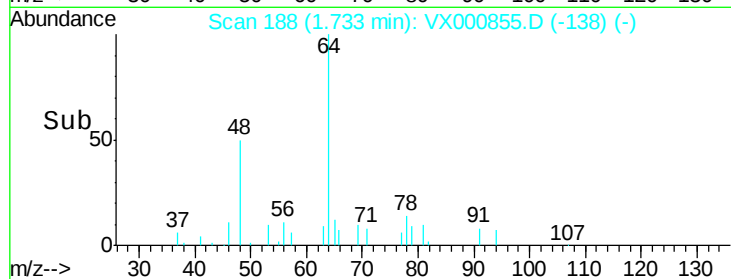
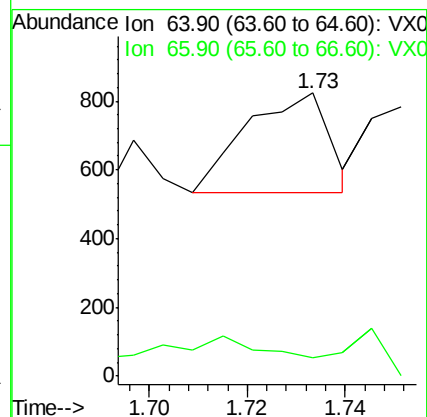
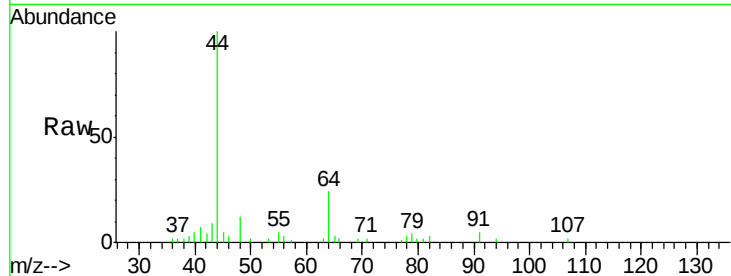
135-348

Tgt Ion: 64 Resp: 340

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.31 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

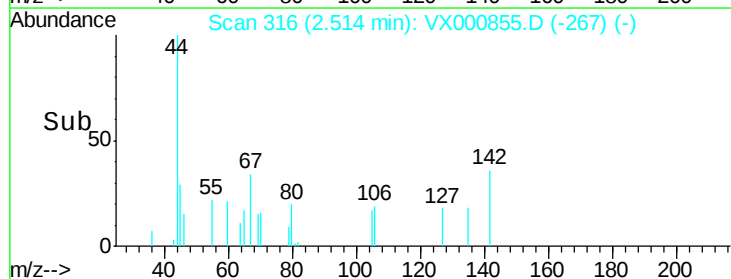
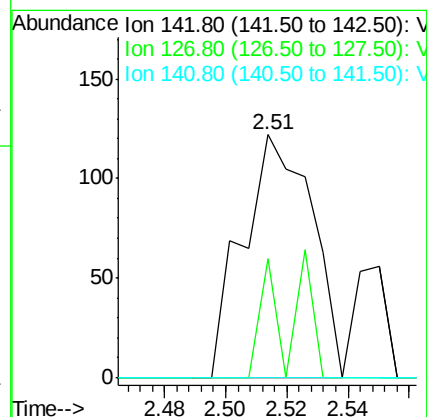
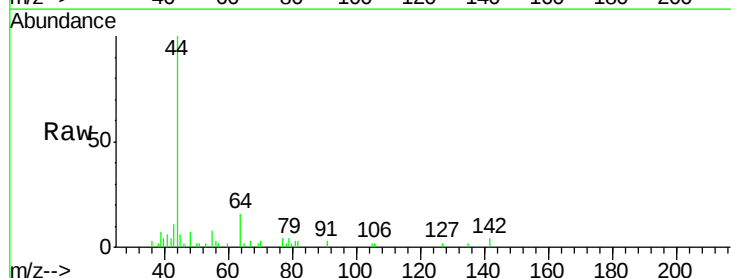
Tgt Ion: 142 Resp: 192

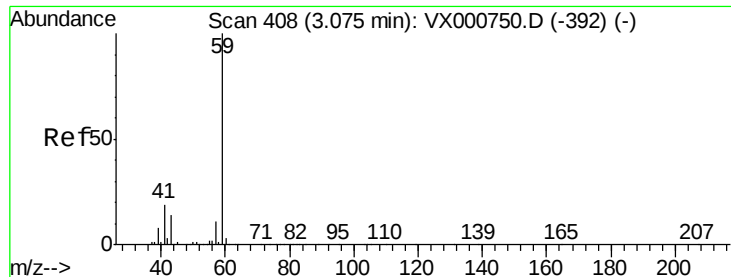
Ion Ratio Lower Upper

142 100

127 23.4 32.6 49.0#

141 0.0 11.5 17.3#



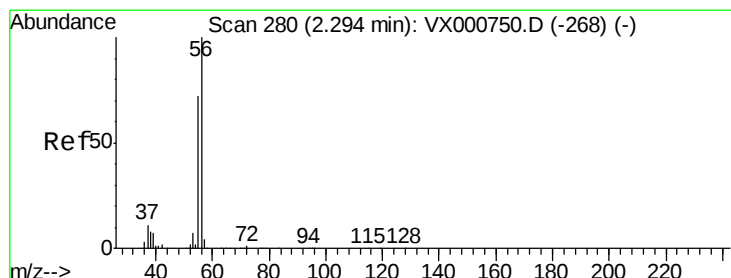
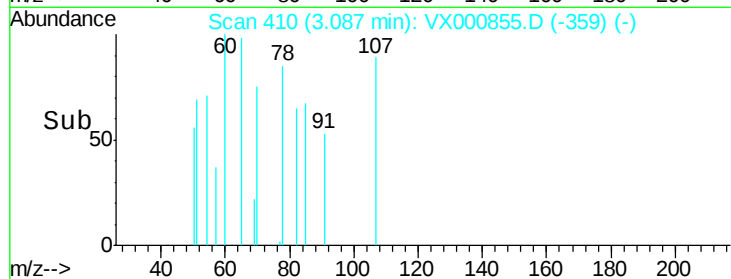
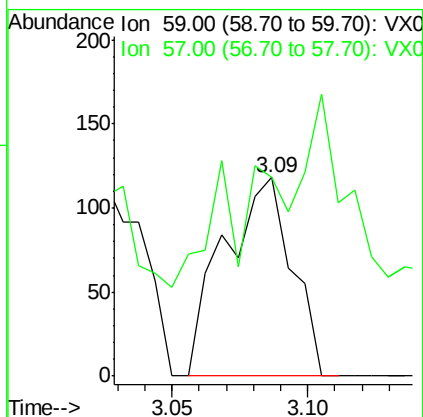
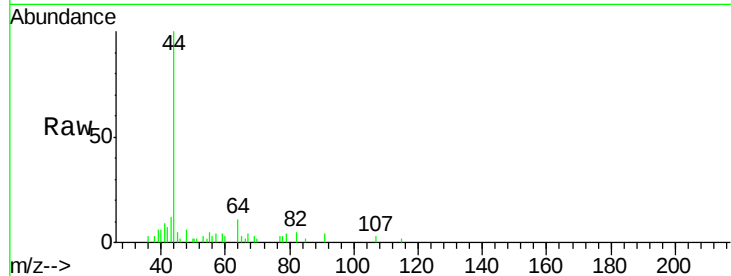


#11

Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
135-348

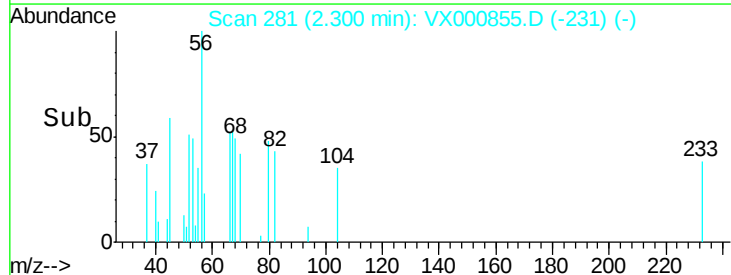
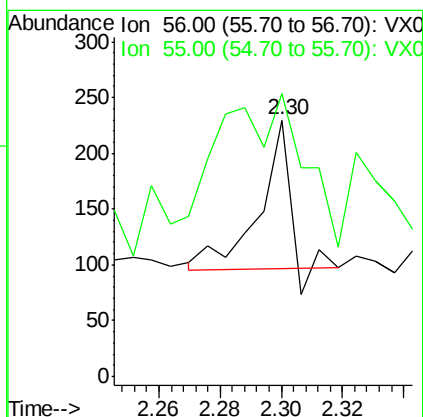
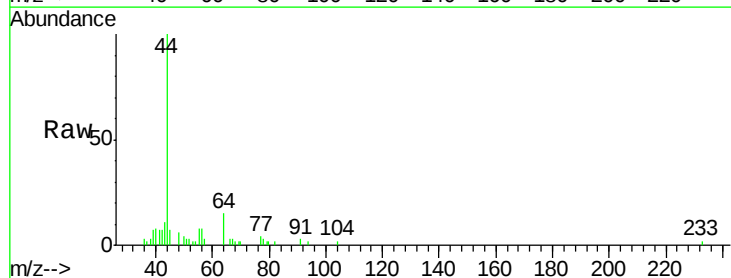
Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 33.7 8.4 12.6#

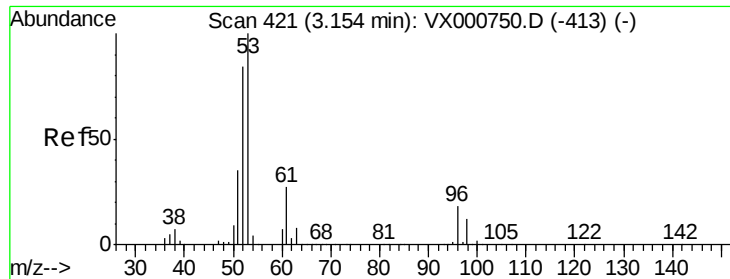


#13

Acrolein
Concen: 0.33 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 357.8 58.7 88.1#





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

135-348

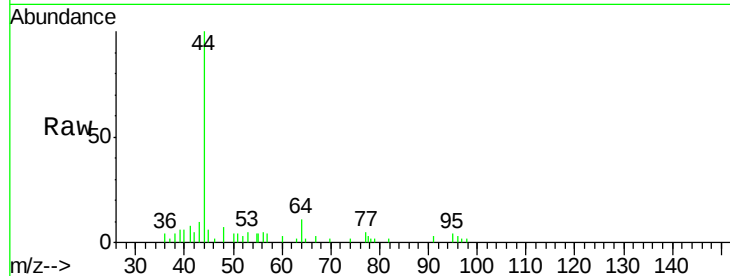
Tgt Ion: 53 Resp: 345

Ion Ratio Lower Upper

53 100

52 95.1 66.5 99.7

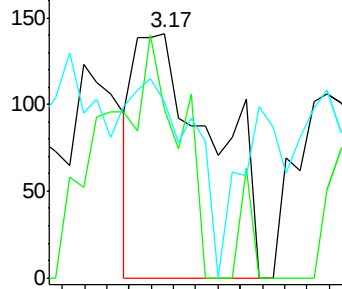
51 0.0 28.8 43.2#



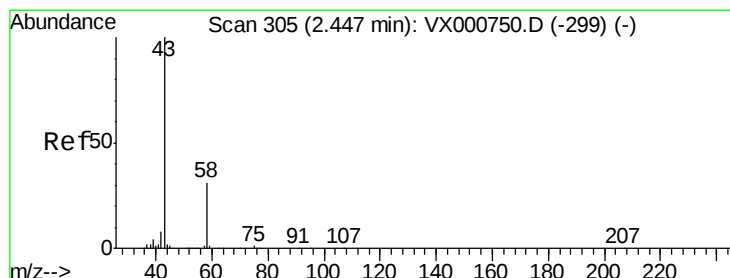
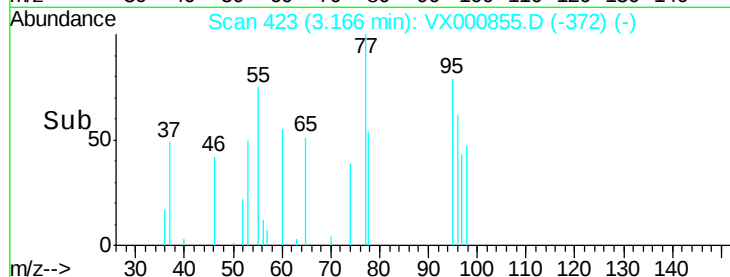
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 3.81 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000855.D

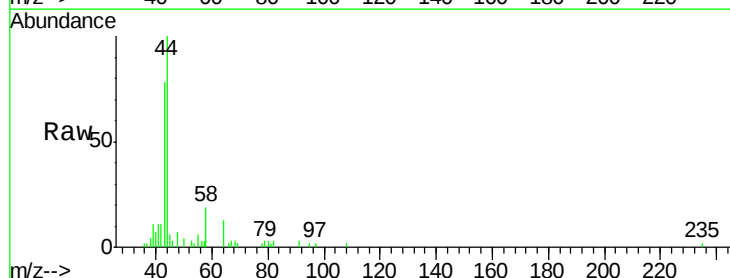
Acq: 13 Apr 2018 17:42

Tgt Ion: 43 Resp: 4163

Ion Ratio Lower Upper

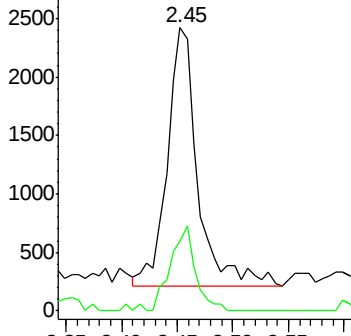
43 100

58 27.0 24.6 37.0

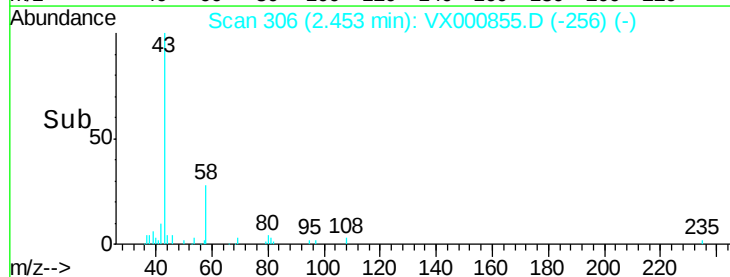


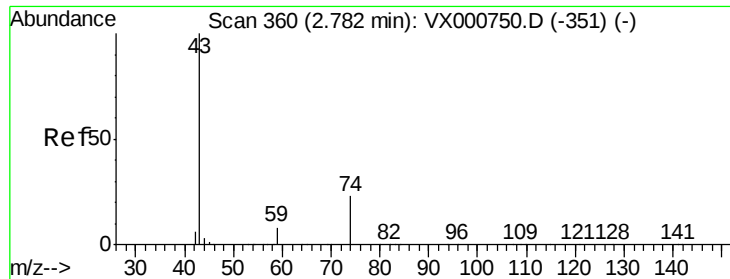
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

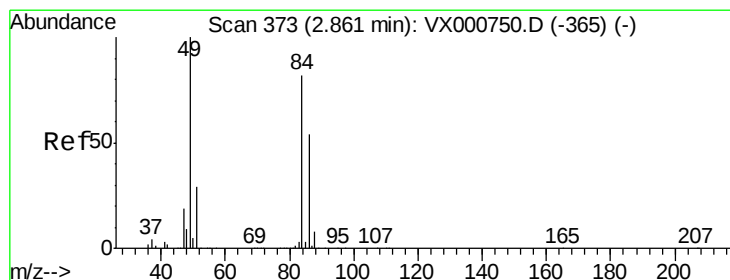
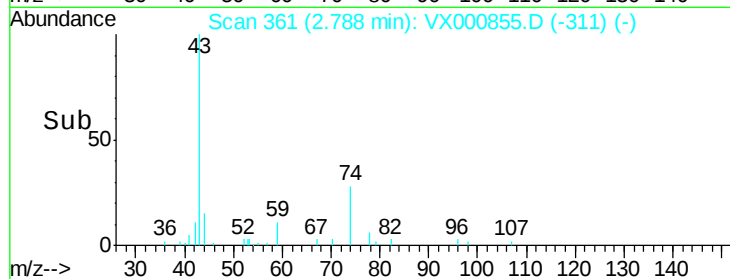
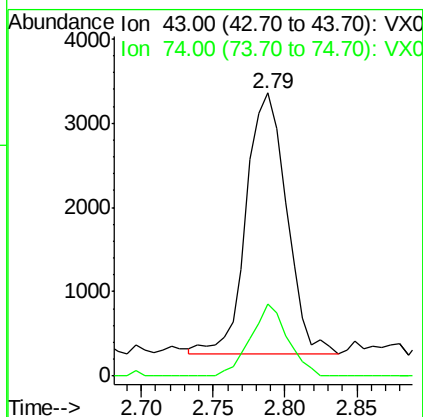
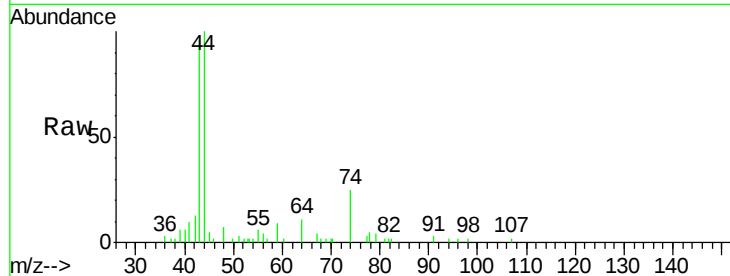




#18
Methyl Acetate
Concen: 2.12 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

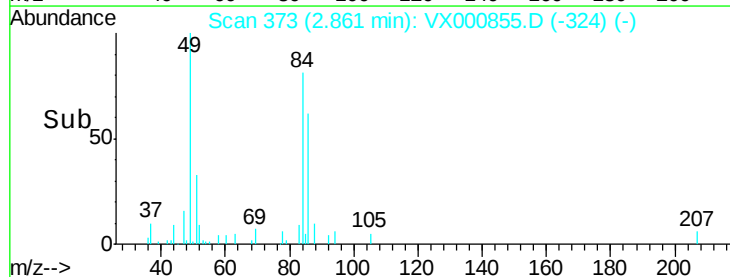
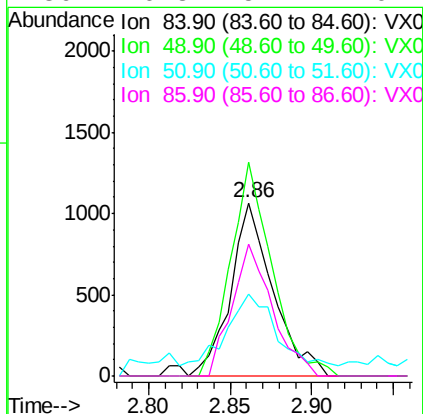
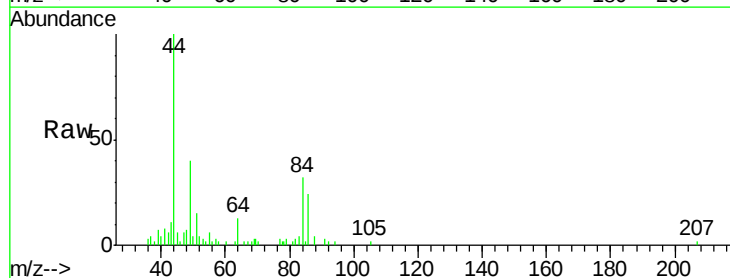
Instrument :
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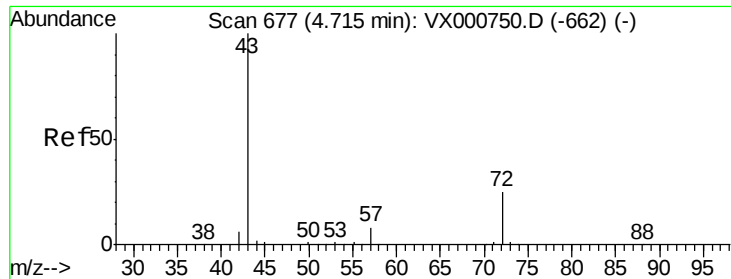
Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7



#20
Methylene Chloride
Concen: 0.75 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

Tgt Ion: 84 Resp: 1919
Ion Ratio Lower Upper
84 100
49 123.5 98.1 147.1
51 41.5 28.9 43.3
86 76.3 52.7 79.1





#25

2-Butanone

Concen: 0.50 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

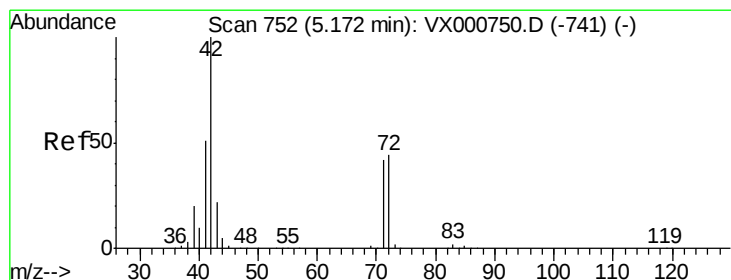
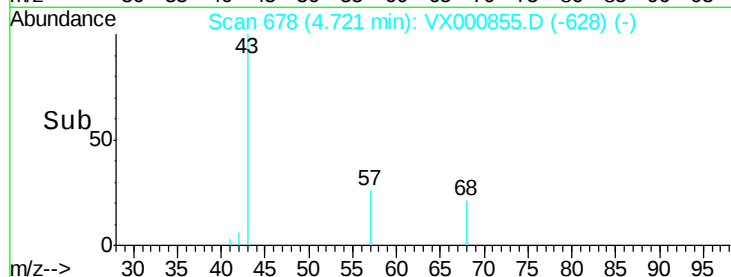
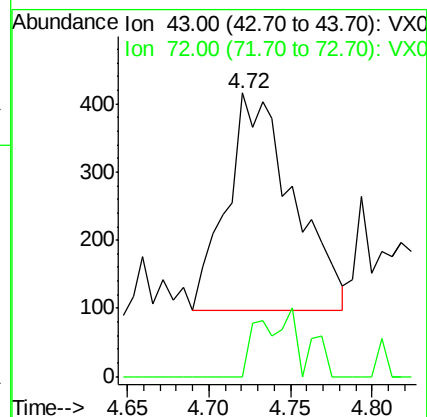
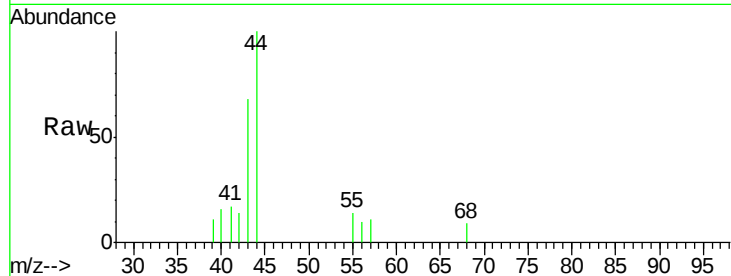
135-348

Tgt Ion: 43 Resp: 896

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

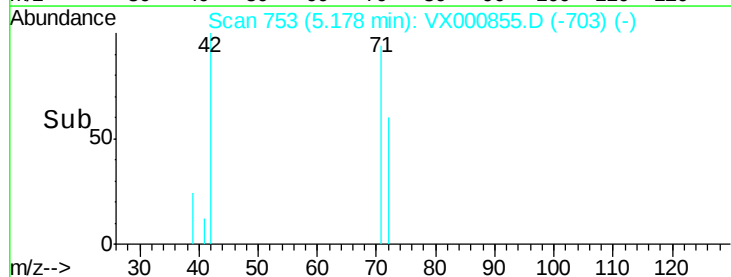
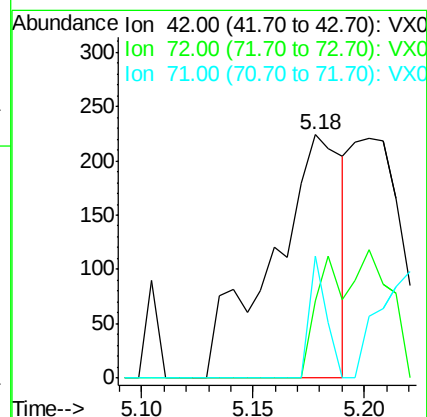
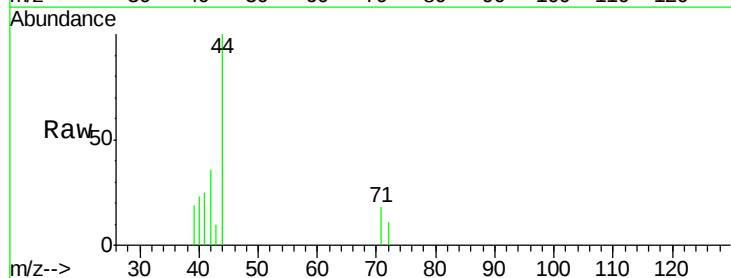
Tgt Ion: 42 Resp: 493

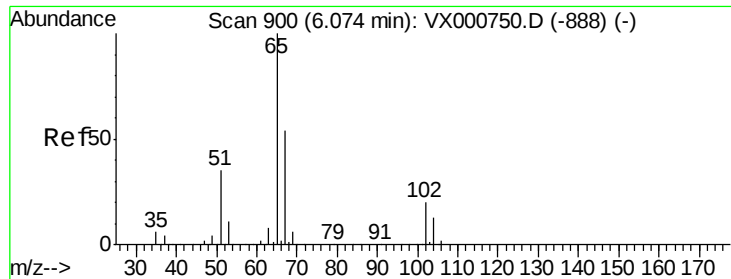
Ion Ratio Lower Upper

42 100

72 18.9 35.1 52.7#

71 12.2 32.8 49.2#





#33

1,2-Dichloroethane-d4

Concen: 45.06 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

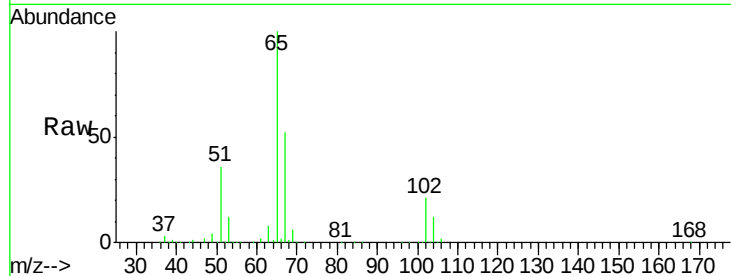
135-348

Tgt Ion: 65 Resp: 142801

Ion Ratio Lower Upper

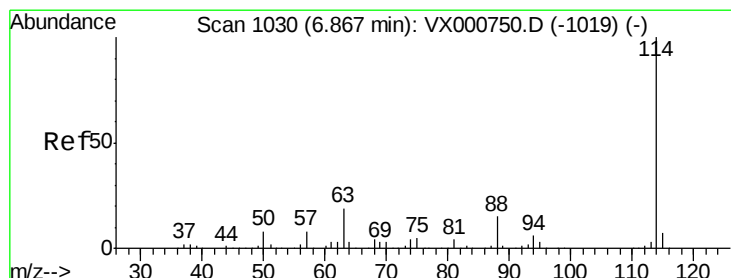
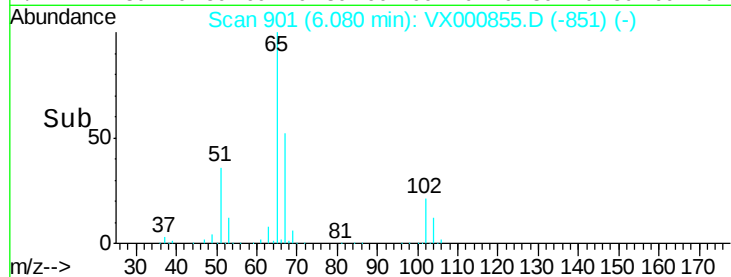
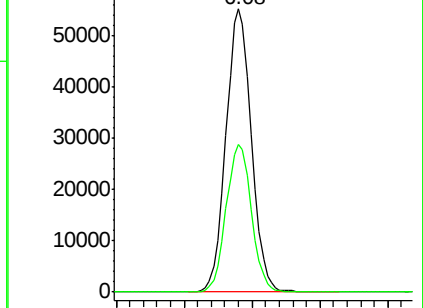
65 100

67 52.1 0.0 103.8



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# 1031

Delta R.T. 0.01 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

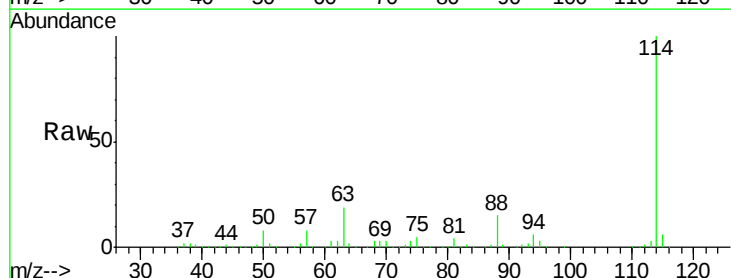
Tgt Ion: 114 Resp: 327875

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

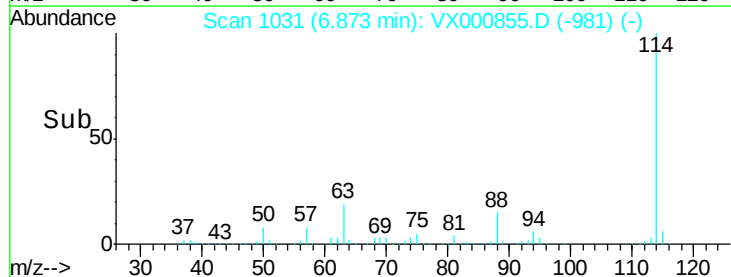
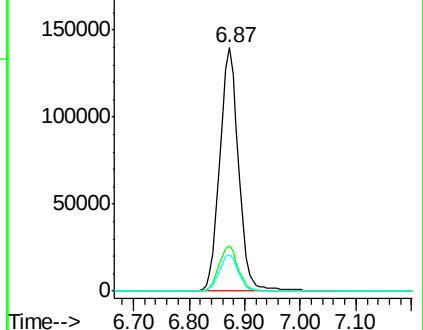
88 15.0 0.0 31.0

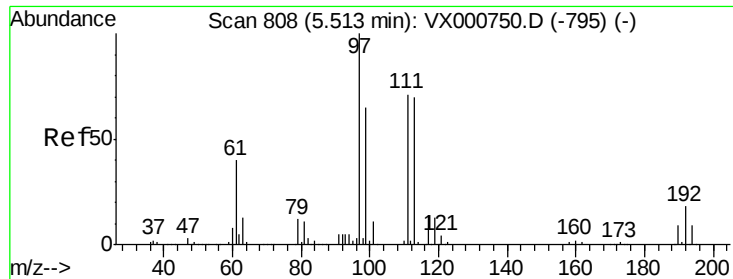


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

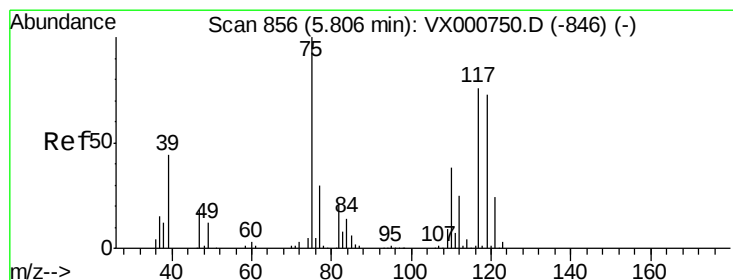
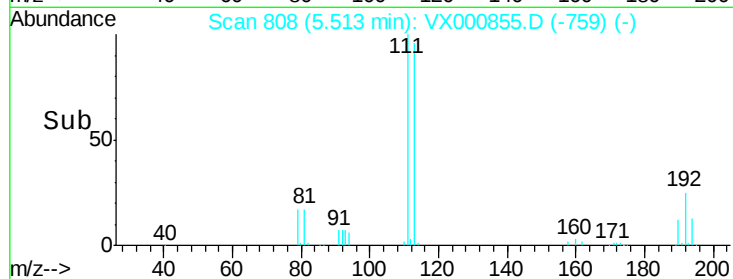
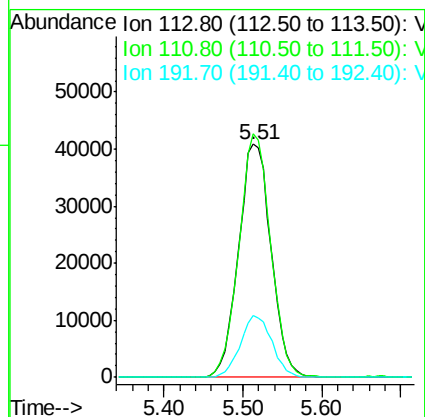
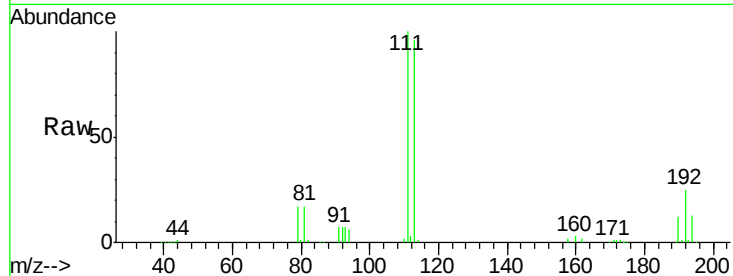




#35
 Dibromofluoromethane
 Concen: 46.60 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000855.D
 Acq: 13 Apr 2018 17:42

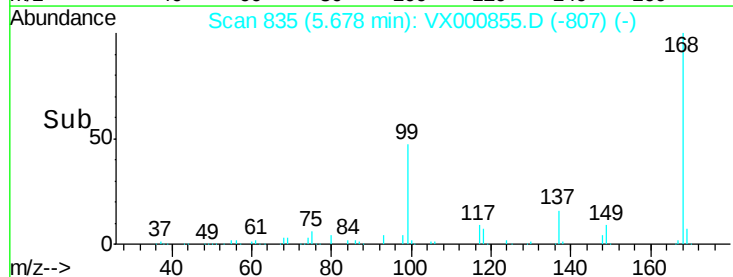
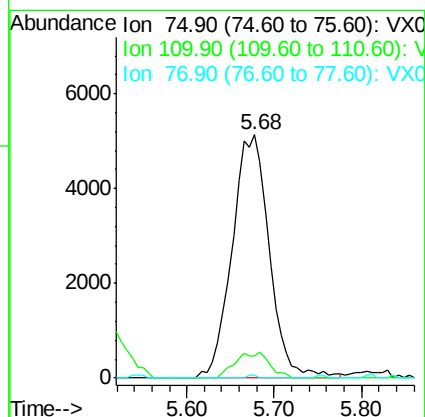
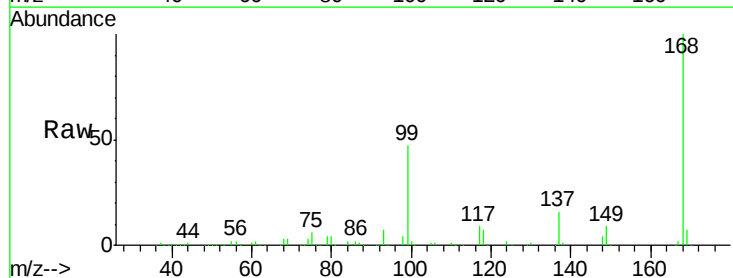
Instrument :
 MSVOA_X
 ClientSampled :
 135-348

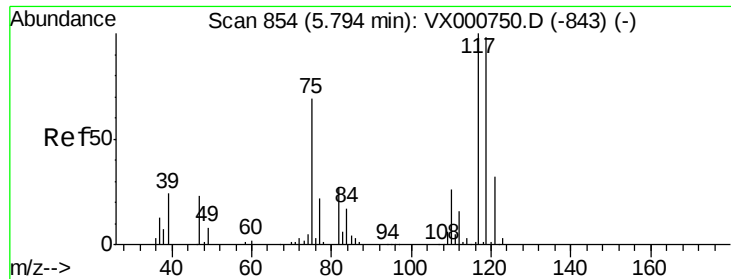
Tgt Ion:113 Resp: 117707
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.5 122.3
 192 25.7 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000855.D
 Acq: 13 Apr 2018 17:42

Tgt Ion: 75 Resp: 15173
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.2 57.6#
 77 0.3 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

135-348

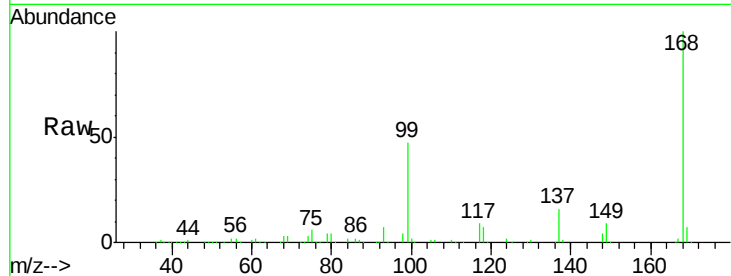
Tgt Ion: 117 Resp: 21747

Ion Ratio Lower Upper

117 100

119 5.4 78.4 117.6#

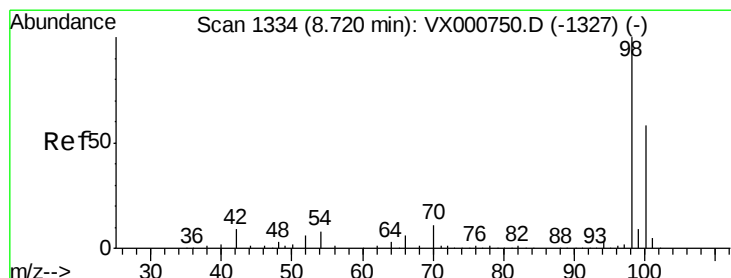
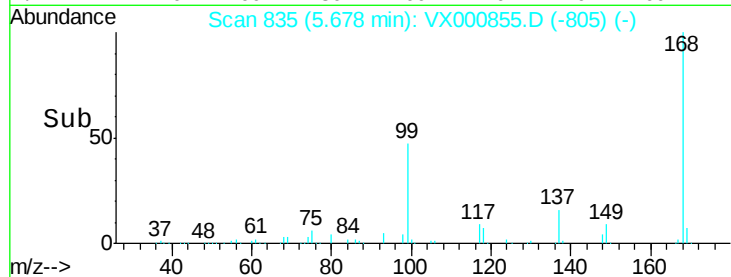
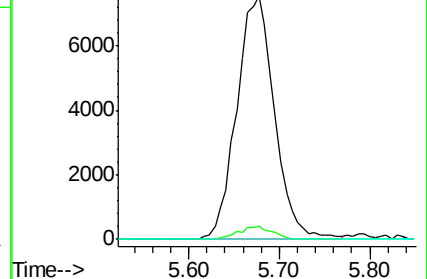
121 0.0 25.4 38.0#



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: 48.06 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000855.D

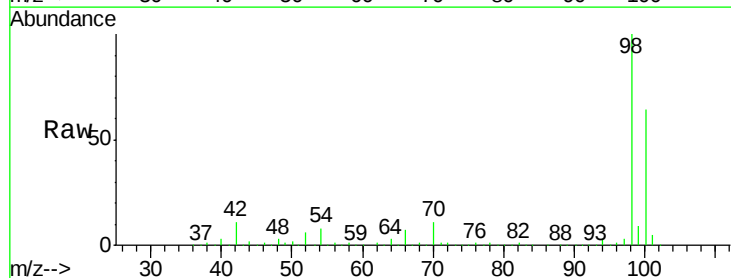
Acq: 13 Apr 2018 17:42

Tgt Ion: 98 Resp: 452060

Ion Ratio Lower Upper

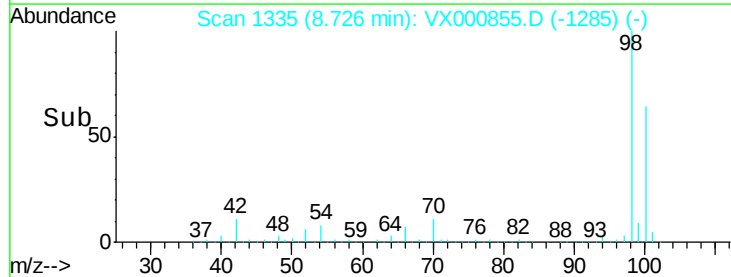
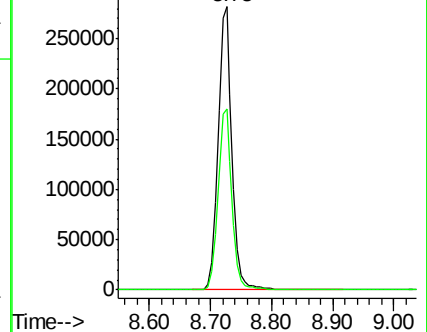
98 100

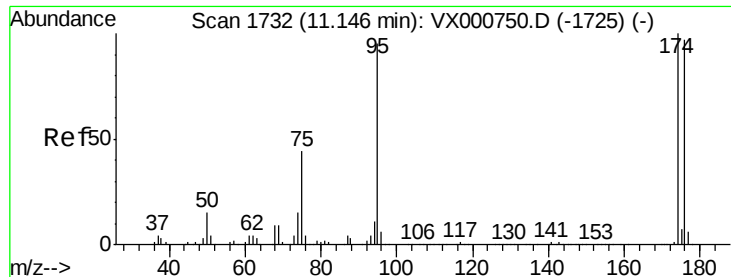
100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

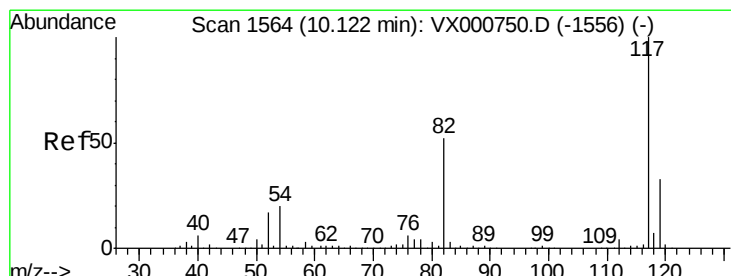
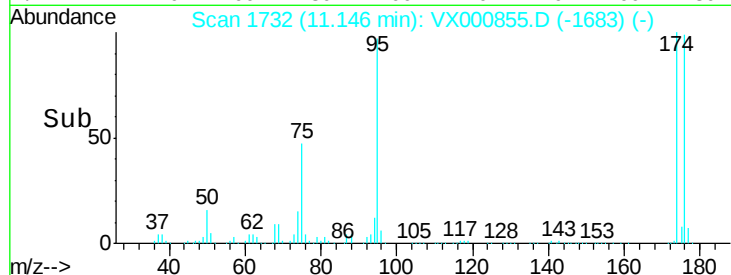
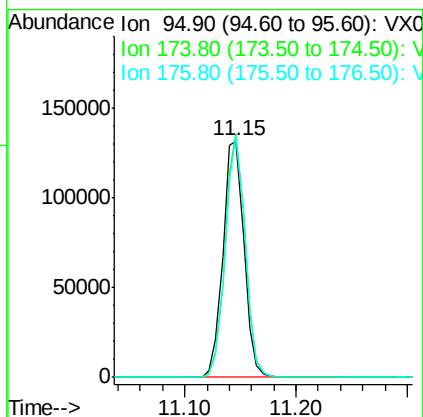
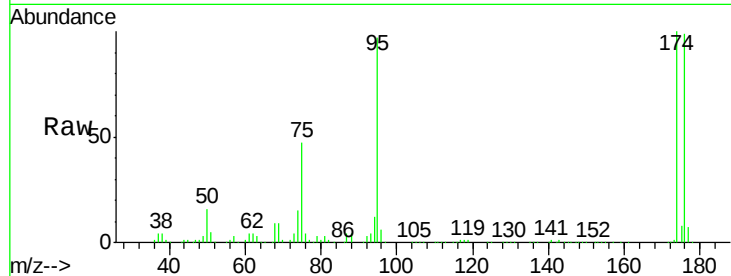




#62
4-Bromofluorobenzene
Concen: 44.28 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

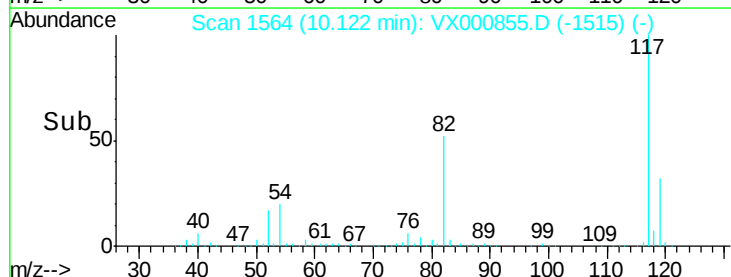
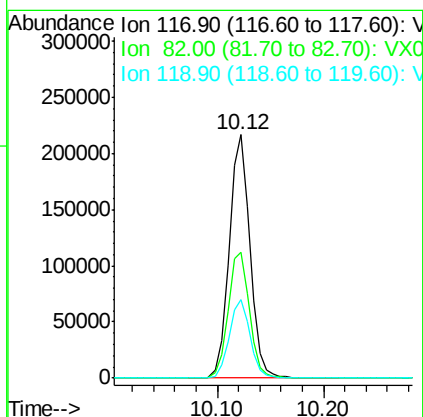
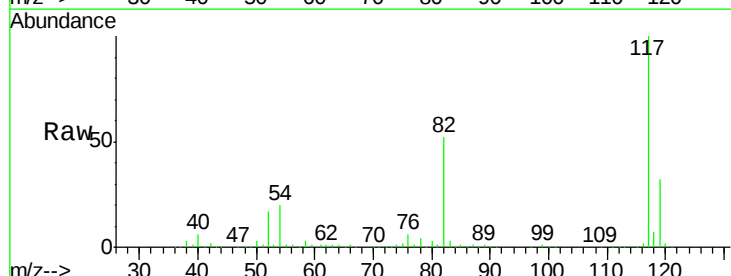
Instrument :
MSVOA_X
ClientSampleId :
135-348

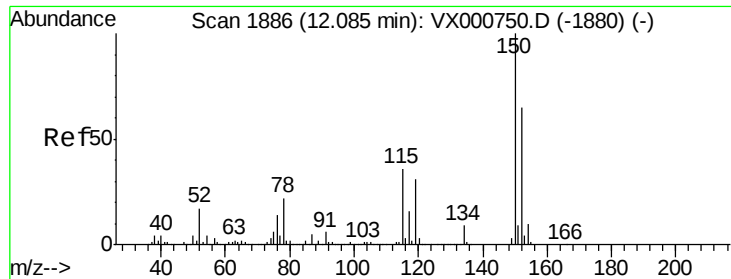
Tgt Ion: 95 Resp: 172294
Ion Ratio Lower Upper
95 100
174 98.2 0.0 198.4
176 96.2 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000855.D
Acq: 13 Apr 2018 17:42

Tgt Ion: 117 Resp: 296771
Ion Ratio Lower Upper
117 100
82 51.5 41.9 62.9
119 32.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

135-348

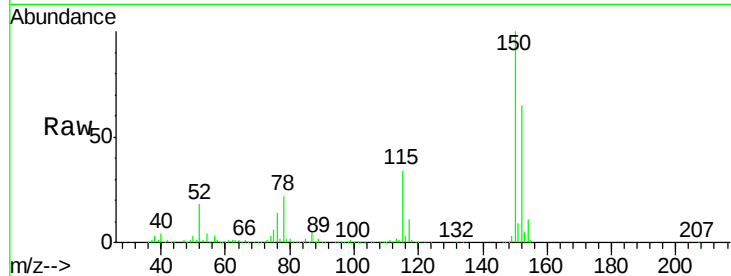
Tgt Ion:152 Resp: 190622

Ion Ratio Lower Upper

152 100

115 53.8 37.9 113.7

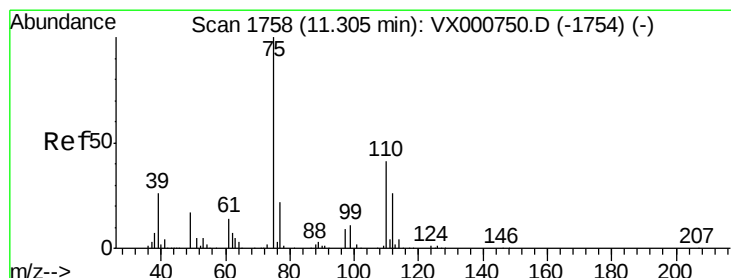
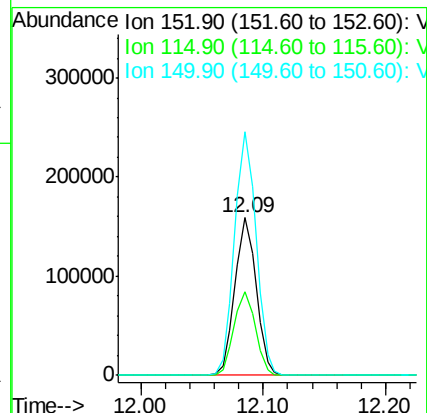
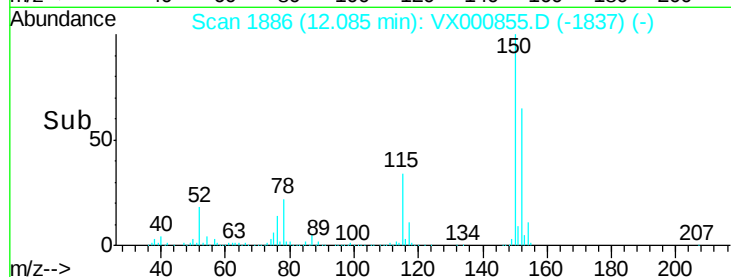
150 156.8 0.0 348.0



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: 25.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000855.D

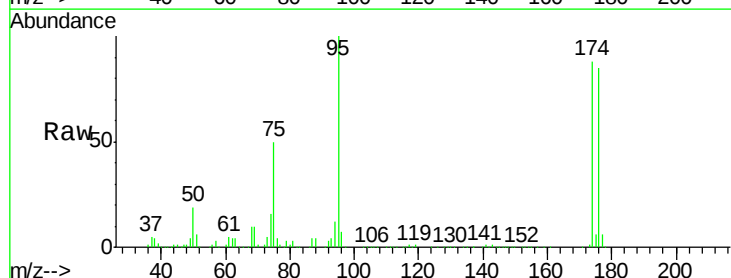
Acq: 13 Apr 2018 17:42

Tgt Ion: 75 Resp: 84892

Ion Ratio Lower Upper

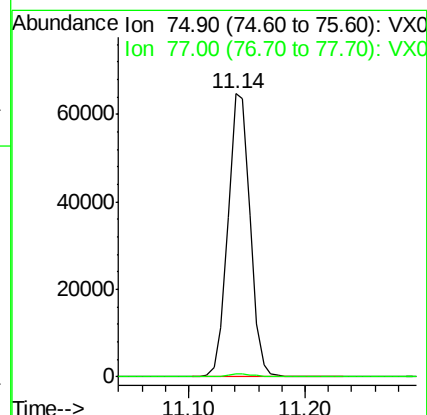
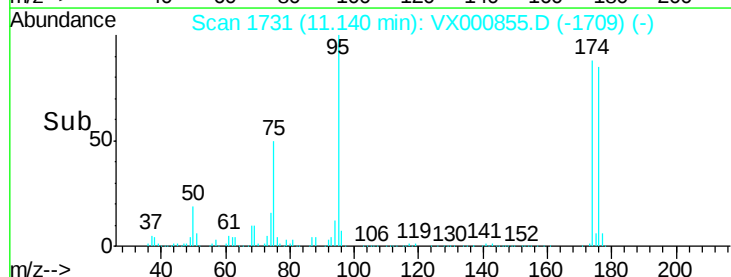
75 100

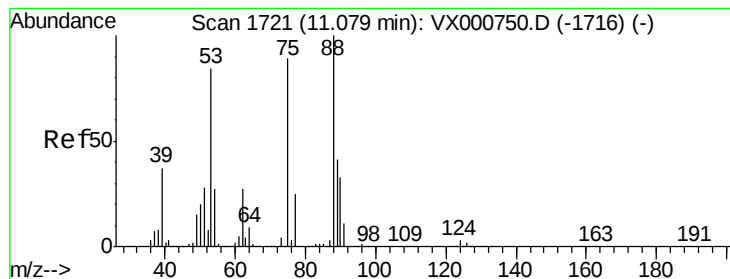
77 1.2 20.5 61.5#



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: 71.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

135-348

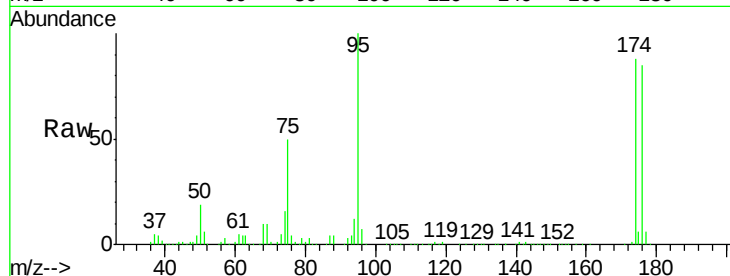
Tgt Ion: 75 Resp: 84892

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

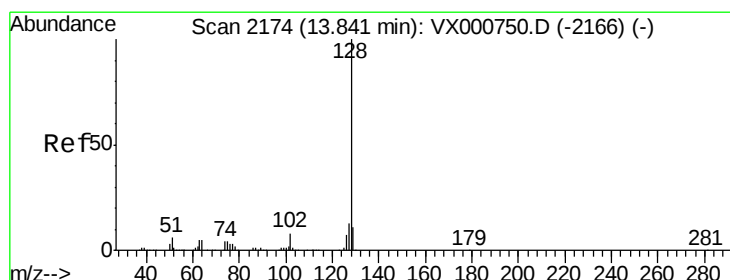
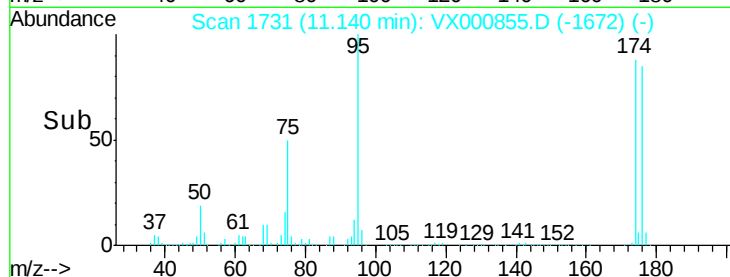
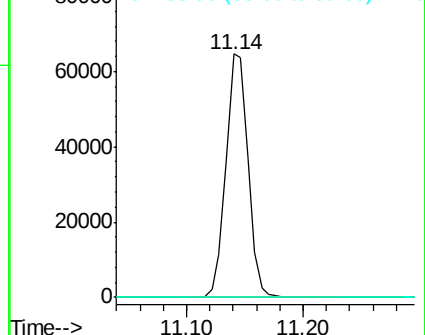
89 0.0 40.9 61.3#



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: 4.48 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000855.D

Acq: 13 Apr 2018 17:42

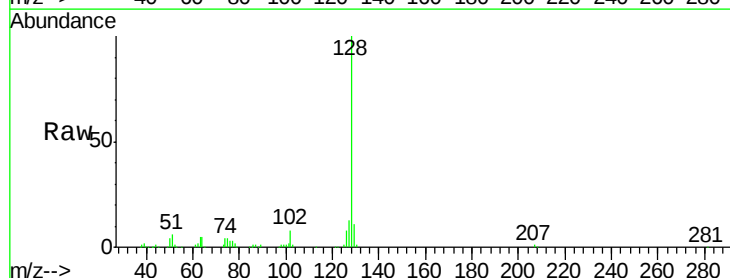
Tgt Ion: 128 Resp: 62100

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 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

