

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000856.D
 Acq On : 13 Apr 2018 18:08
 Operator : JC/MD
 Sample : J2166-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-041218

Quant Time: Apr 14 05:15:28 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	5.67	168	248066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188126	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	142874	45.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.36%	
35) Dibromofluoromethane	5.51	113	116255	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
50) Toluene-d8	8.72	98	452675	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.15	95	171263	43.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.98%	

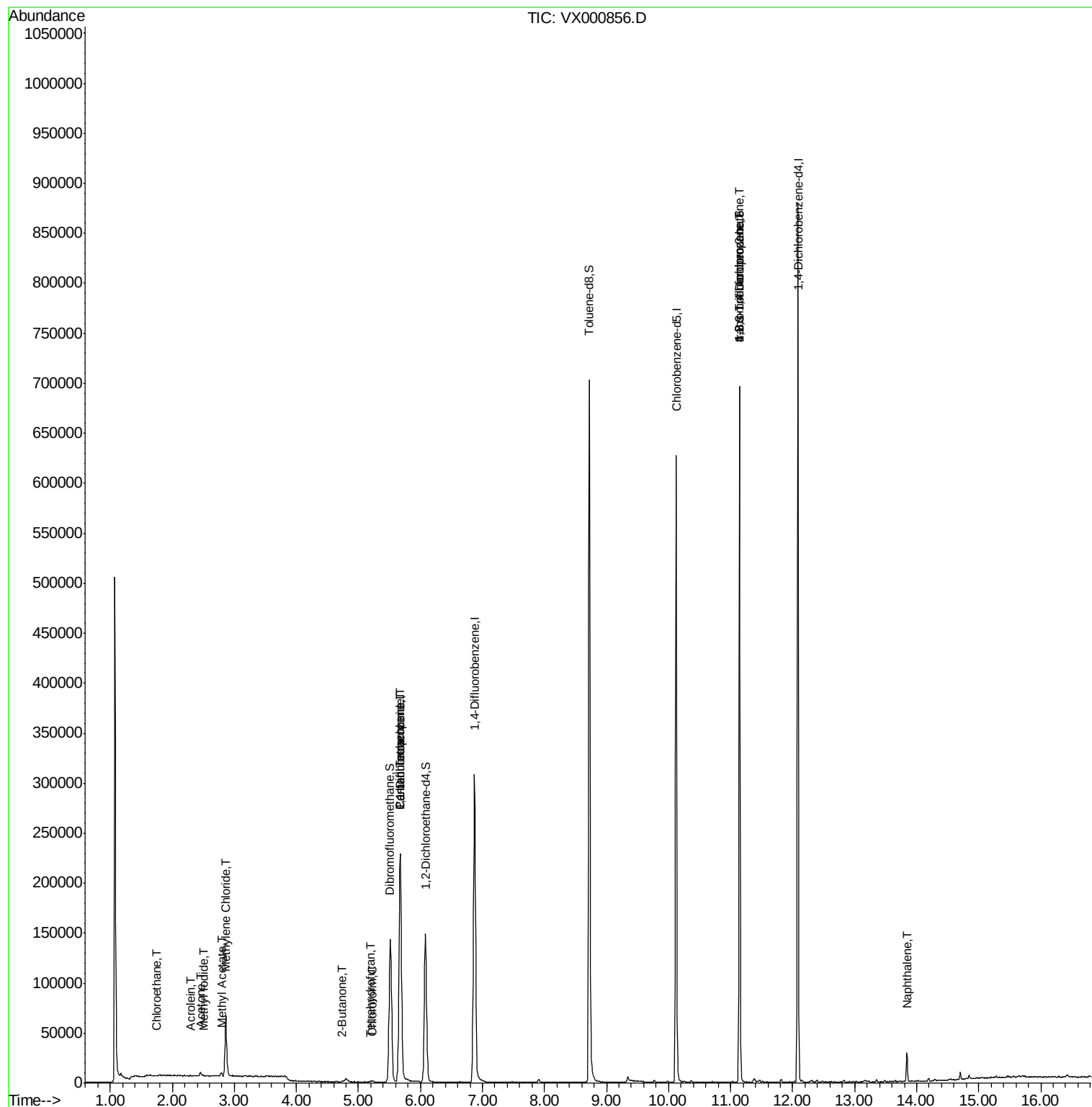
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	342	Below Cal	#	70
6) Chloroethane	1.75	64	330	0.20	ug/l #	85
10) Methyl Iodide	2.51	142	163	8.30	ug/l #	42
13) Acrolein	2.29	56	240	0.89	ug/l #	81
16) Acetone	2.45	43	3733	3.46	ug/l	100
18) Methyl Acetate	2.79	43	4281	1.53	ug/l	98
20) Methylene Chloride	2.86	84	28968	11.55	ug/l	98
25) 2-Butanone	4.73	43	1057	0.59	ug/l	96
29) Tetrahydrofuran	5.19	42	495	0.44	ug/l #	51
30) Chloroform	5.23	83	1292	0.28	ug/l	94
36) 1,1-Dichloropropene	5.67	75	14992	4.15	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21485	5.31	ug/l #	14
76) 1,2,3-Trichloropropane	11.15	75	82818	25.53	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	82818	70.22	ug/l #	11
95) Naphthalene	13.84	128	17841	1.30	ug/l	100

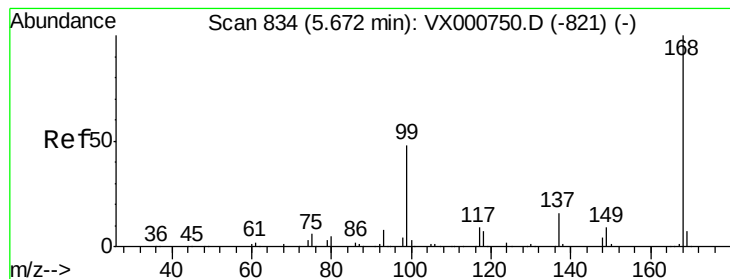
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

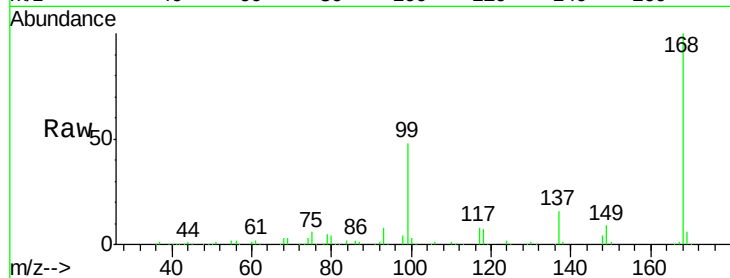
TR-04-041218

Tgt Ion:168 Resp: 248066

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

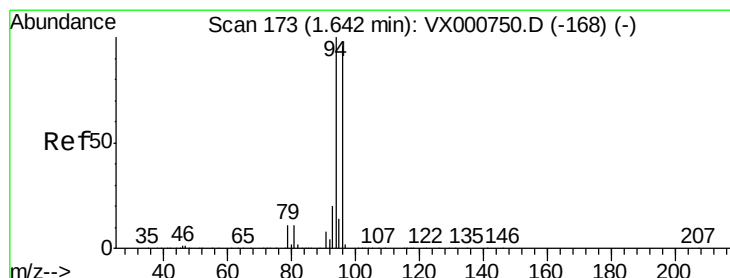
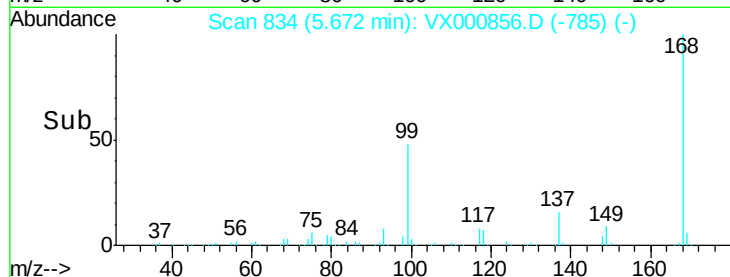
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000856.D

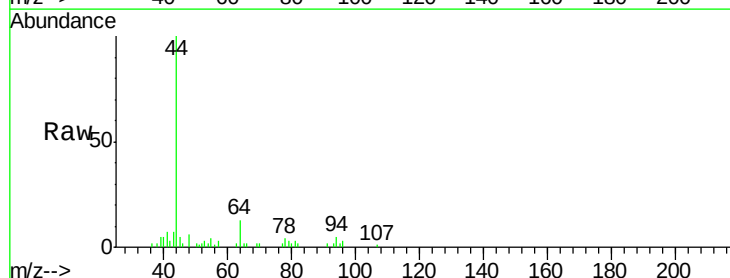
Acq: 13 Apr 2018 18:08

Tgt Ion: 94 Resp: 342

Ion Ratio Lower Upper

94 100

96 66.9 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

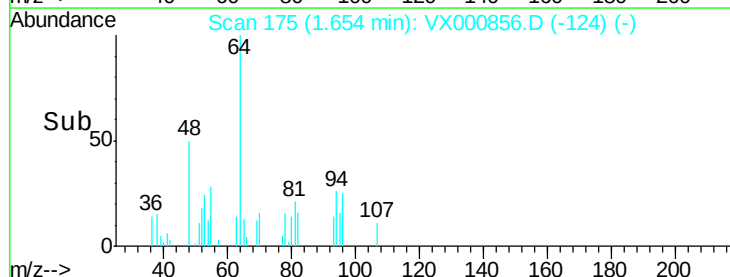
100

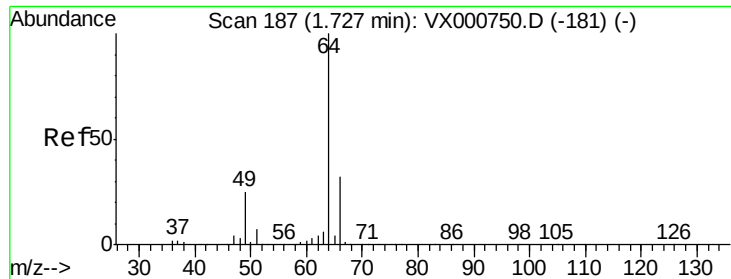
50

0

Time-->

1.60 1.65

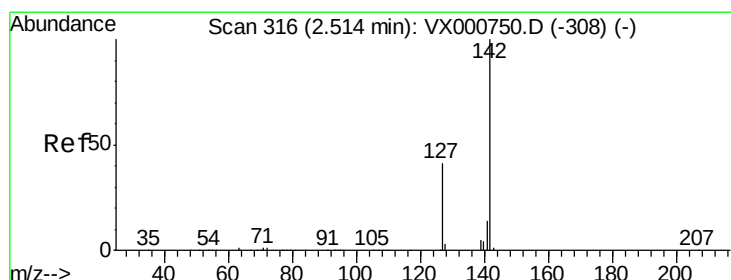
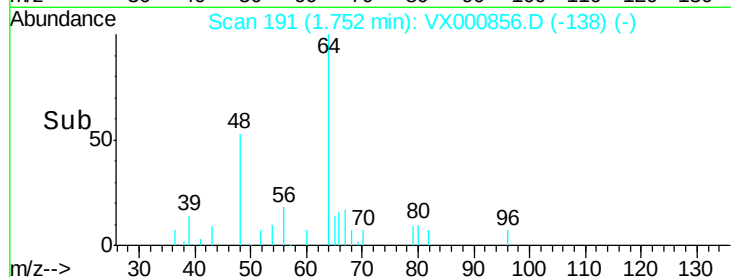
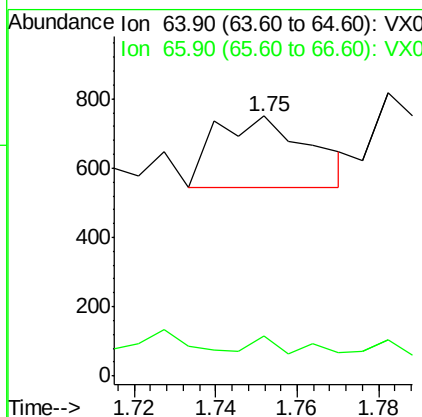
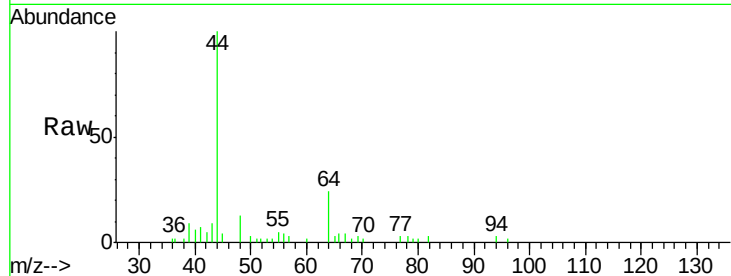




#6
Chloroethane
Concen: 0.20 ug/l
RT: 1.75 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

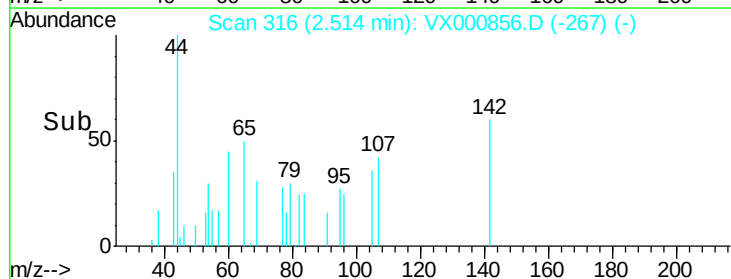
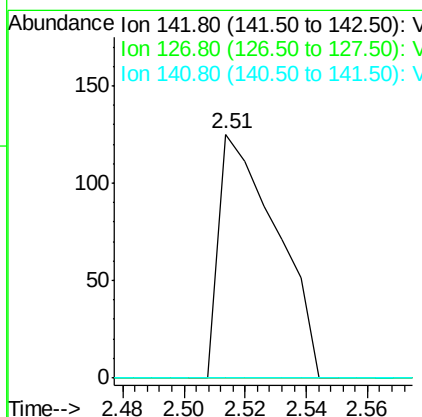
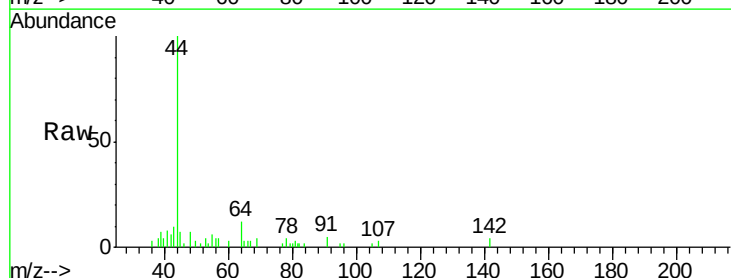
Instrument :
MSVOA_X
ClientSampleId :
TR-04-041218

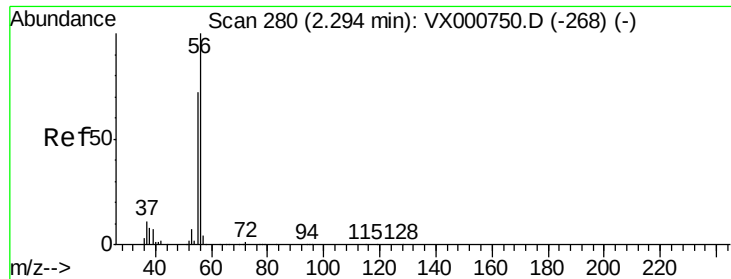
Tgt Ion: 64 Resp: 330
Ion Ratio Lower Upper
64 100
66 23.4 25.3 37.9#



#10
Methyl Iodide
Concen: 8.30 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

Tgt Ion: 142 Resp: 163
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#





#13

Acrolein

Concen: 0.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

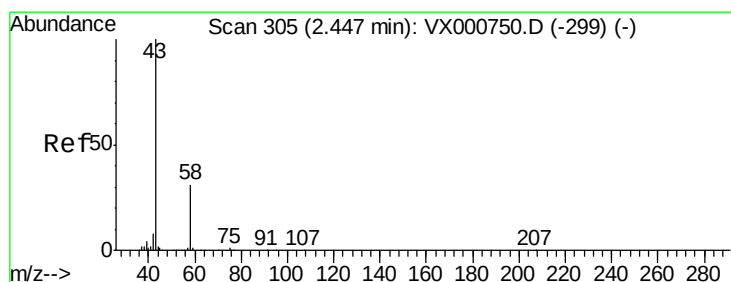
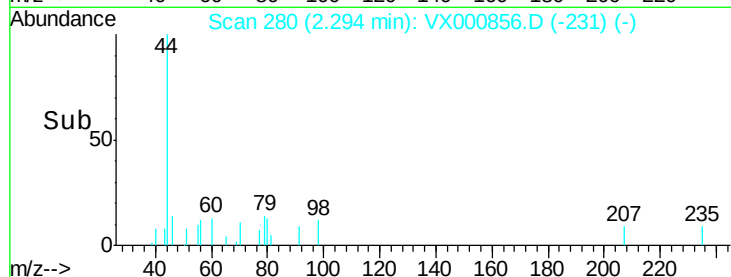
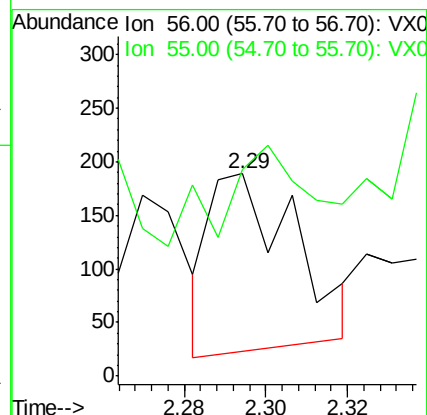
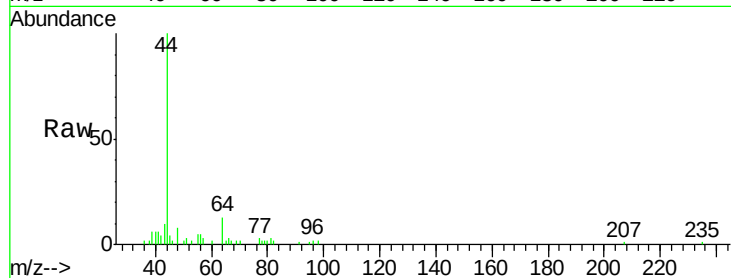
TR-04-041218

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 57.1 58.7 88.1#



#16

Acetone

Concen: 3.46 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000856.D

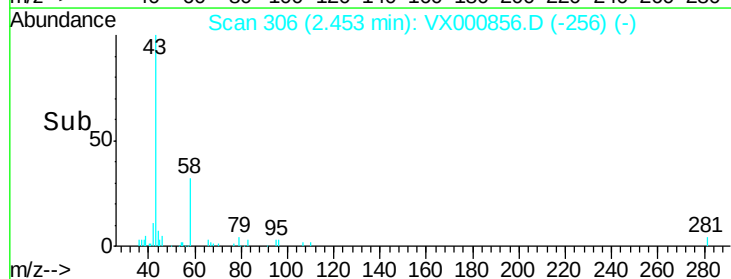
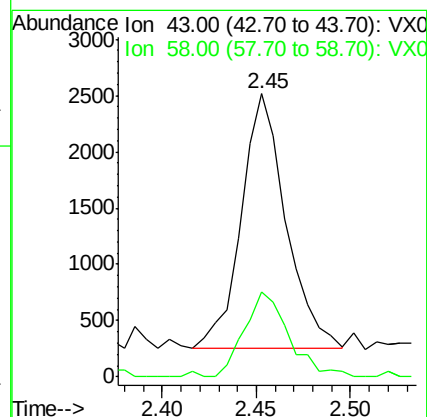
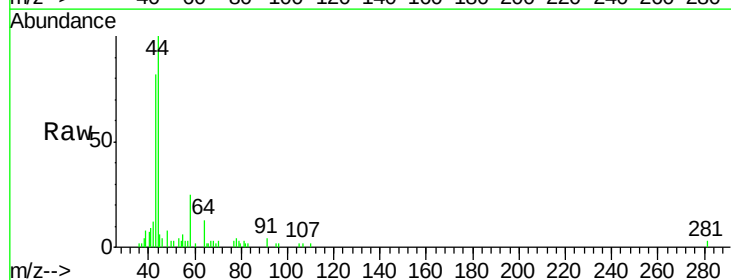
Acq: 13 Apr 2018 18:08

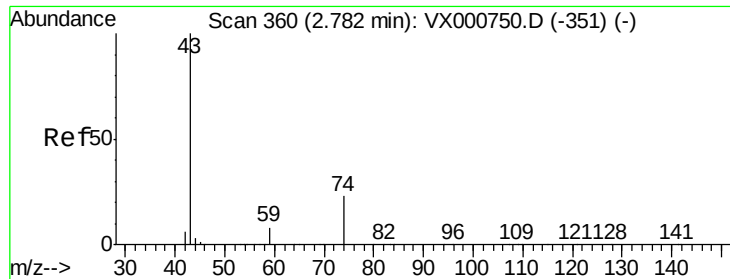
Tgt Ion: 43 Resp: 3733

Ion Ratio Lower Upper

43 100

58 31.1 24.6 37.0

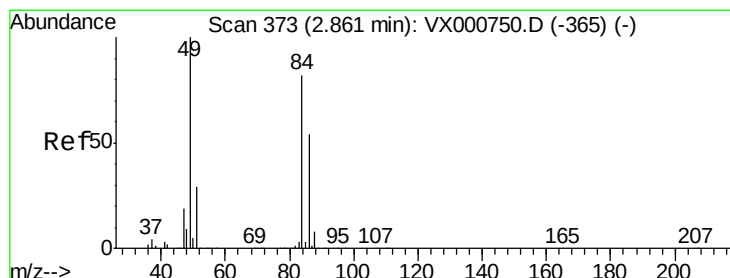
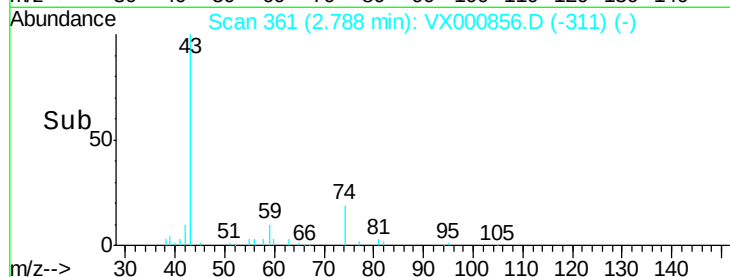
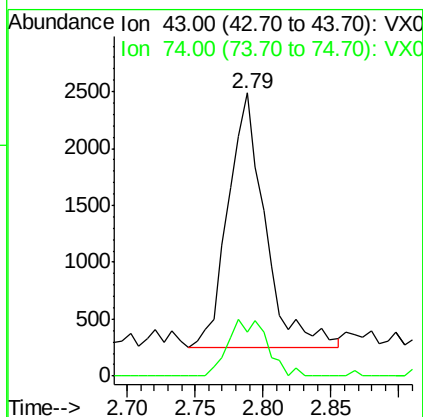
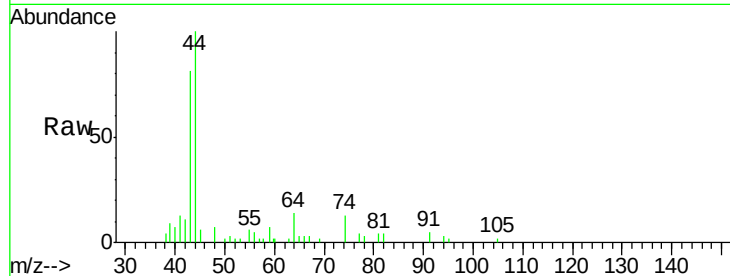




#18
Methyl Acetate
Concen: 1.53 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

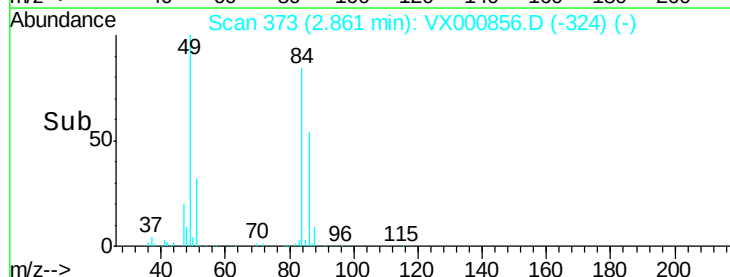
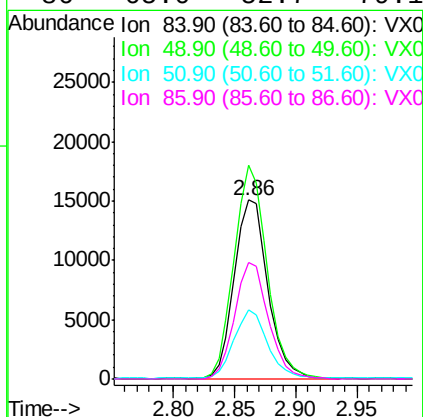
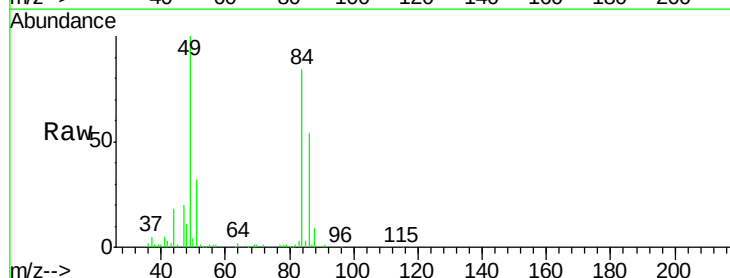
Instrument :
MSVOA_X
ClientSampled :
TR-04-041218

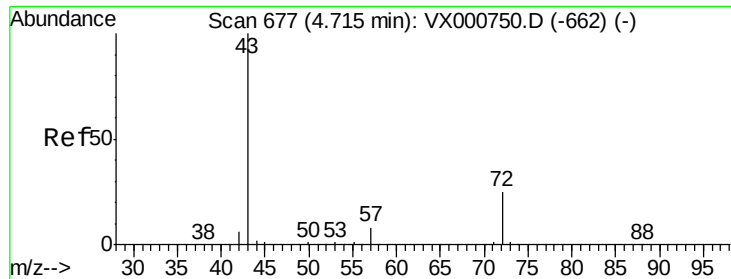
Tgt Ion: 43 Resp: 4281
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 11.55 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

Tgt Ion: 84 Resp: 28968
Ion Ratio Lower Upper
84 100
49 119.4 98.1 147.1
51 38.0 28.9 43.3
86 65.0 52.7 79.1





#25

2-Butanone

Concen: 0.59 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

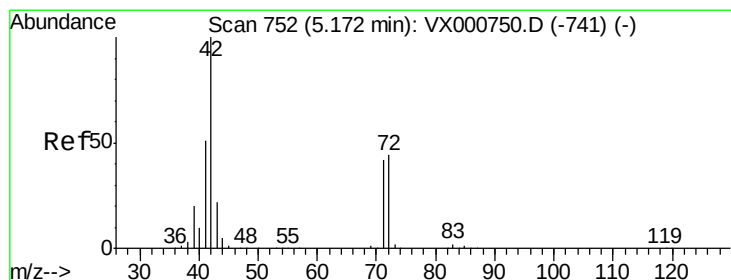
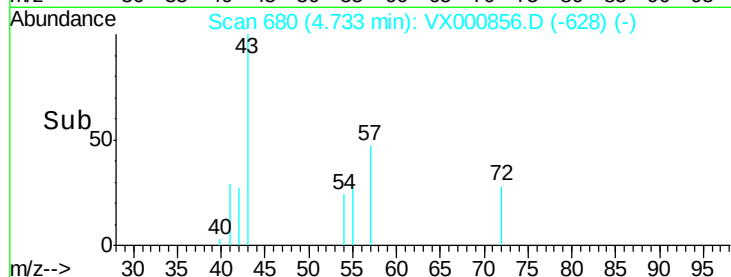
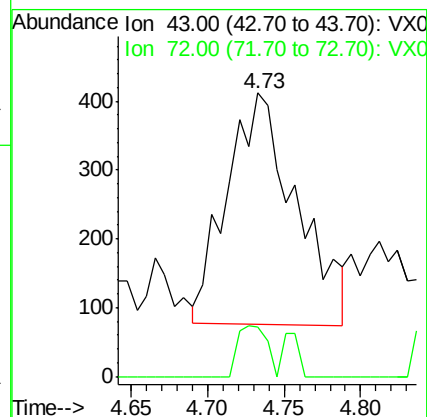
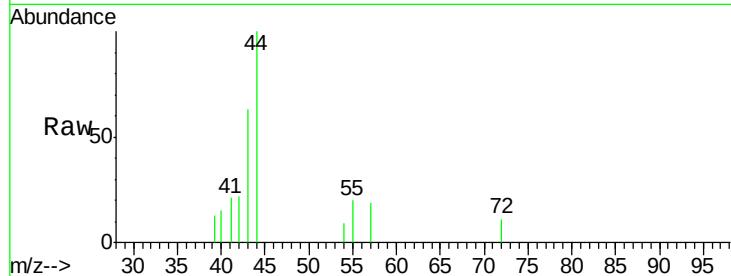
TR-04-041218

Tgt Ion: 43 Resp: 1057

Ion Ratio Lower Upper

43 100

72 23.2 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

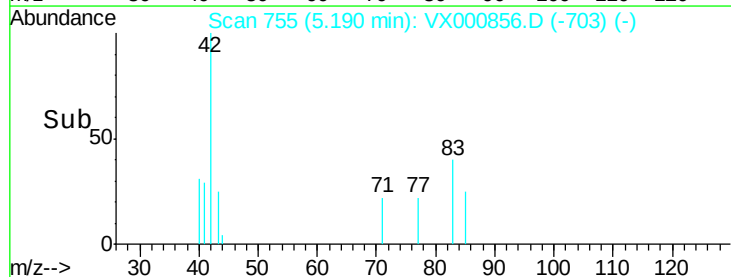
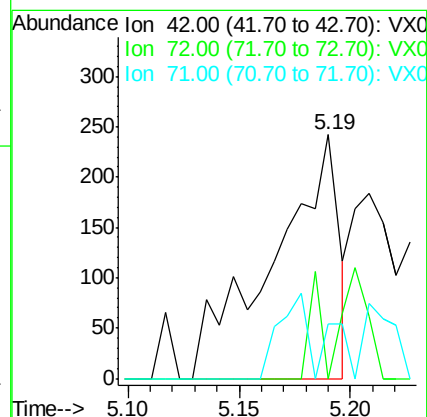
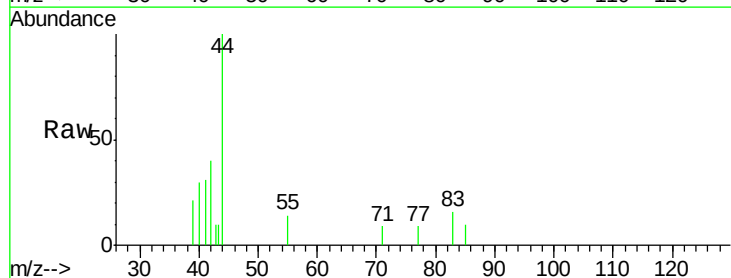
Tgt Ion: 42 Resp: 495

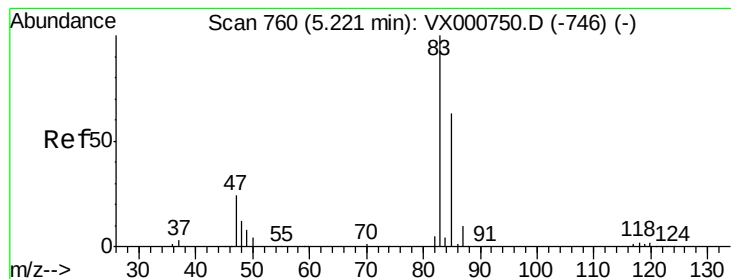
Ion Ratio Lower Upper

42 100

72 7.9 35.1 52.7#

71 14.7 32.8 49.2#





#30

Chloroform

Concen: 0.28 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

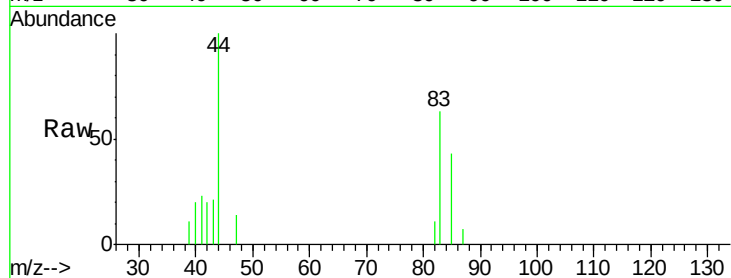
TR-04-041218

Tgt Ion: 83 Resp: 1292

Ion Ratio Lower Upper

83 100

85 68.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.23

400

300

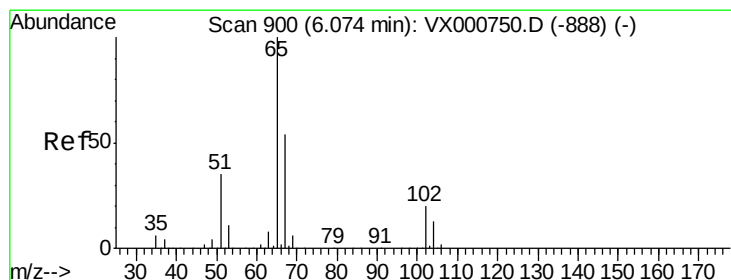
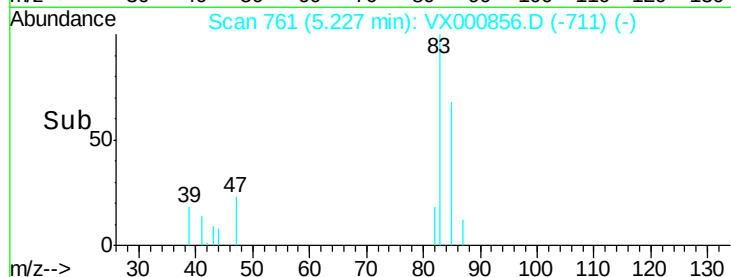
200

100

0

5.15 5.20 5.25 5.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.68 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000856.D

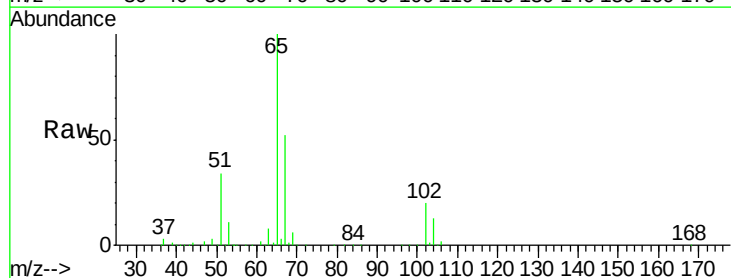
Acq: 13 Apr 2018 18:08

Tgt Ion: 65 Resp: 142874

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

6.08

60000

50000

40000

30000

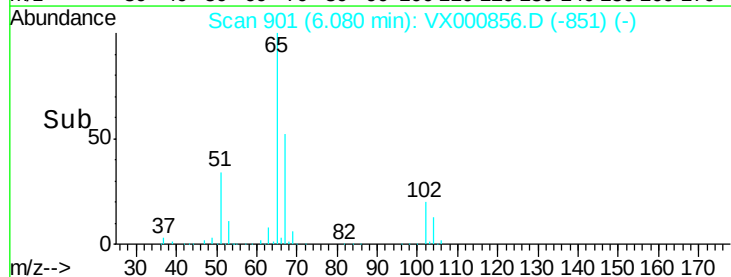
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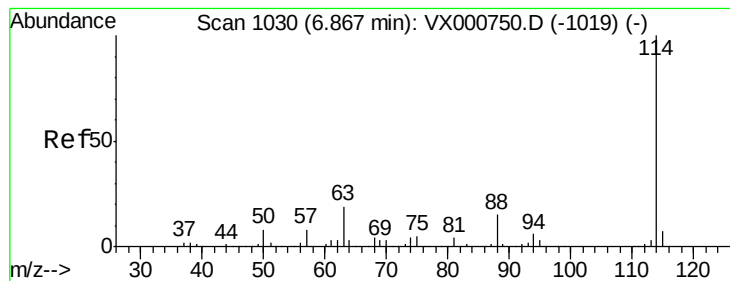
10000

0

6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

TR-04-041218

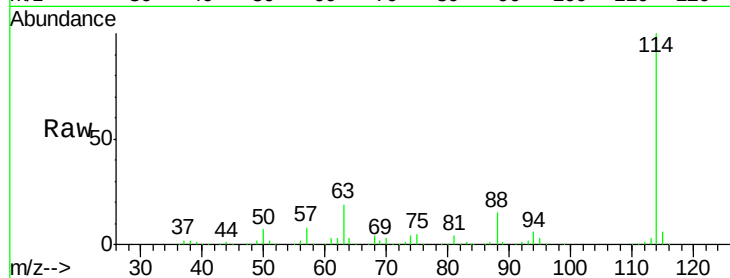
Tgt Ion:114 Resp: 328018

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

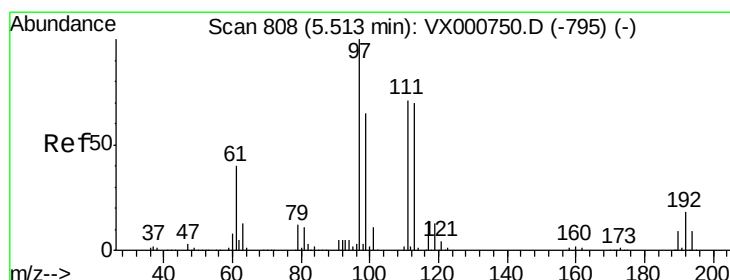
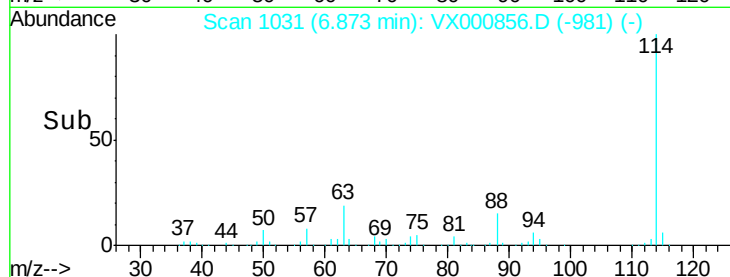
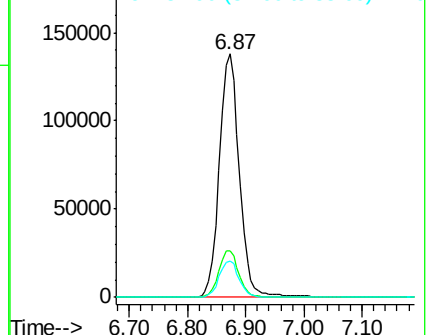
88 15.0 0.0 31.0



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: 46.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

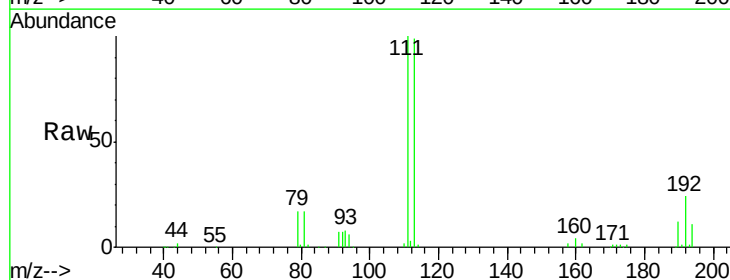
Tgt Ion:113 Resp: 116255

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

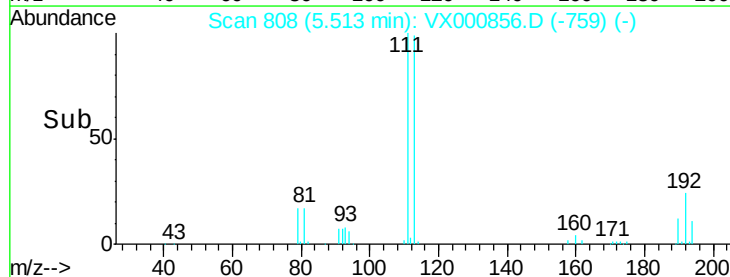
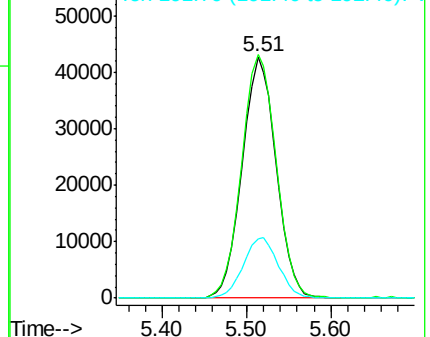
192 25.8 20.4 30.6

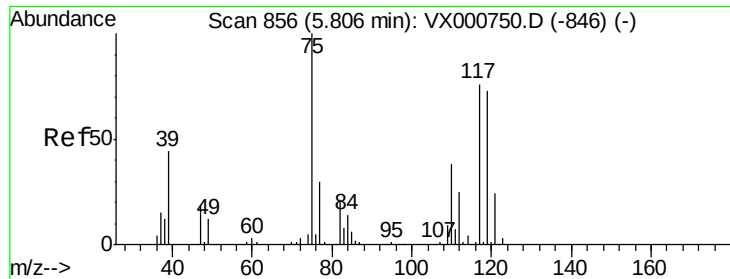


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

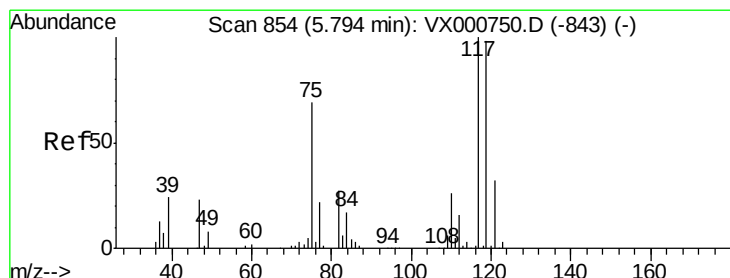
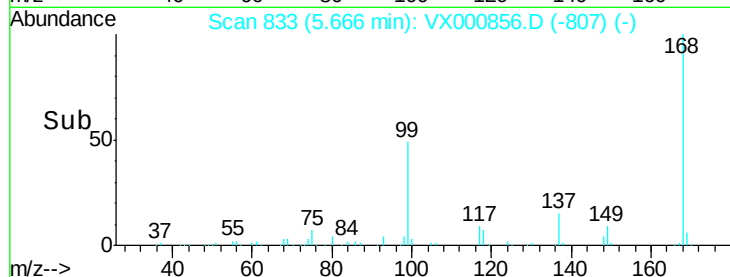
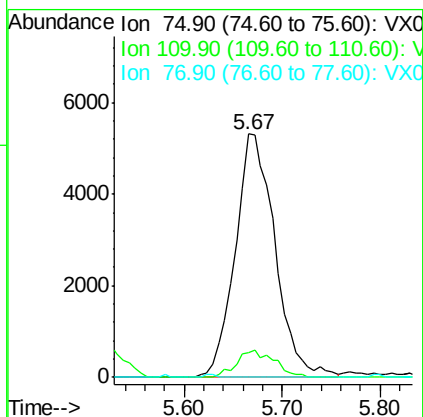
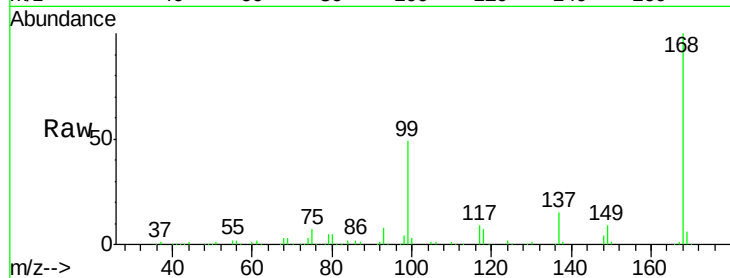




#36
 1,1-Dichloropropene
 Concen: 4.15 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX000856.D
 Acq: 13 Apr 2018 18:08

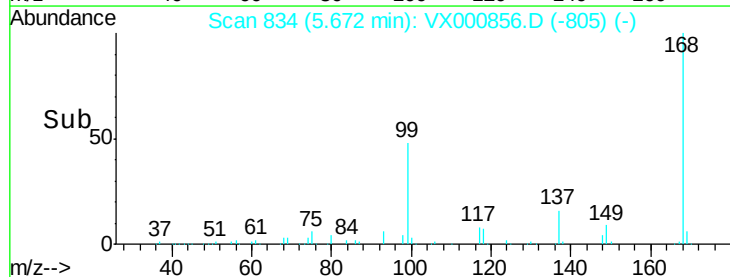
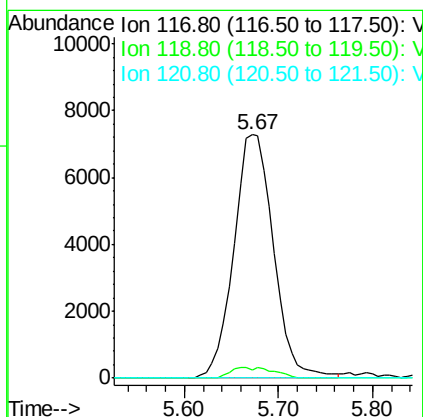
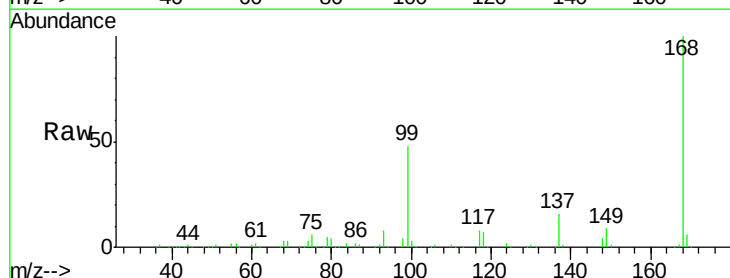
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-04-041218

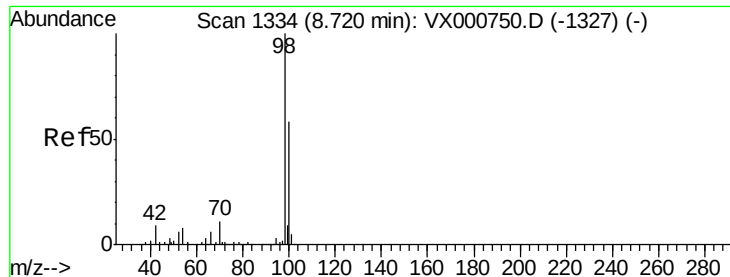
Tgt Ion: 75 Resp: 14992
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.31 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000856.D
 Acq: 13 Apr 2018 18:08

Tgt Ion: 117 Resp: 21485
 Ion Ratio Lower Upper
 117 100
 119 3.4 78.4 117.6#
 121 0.0 25.4 38.0#

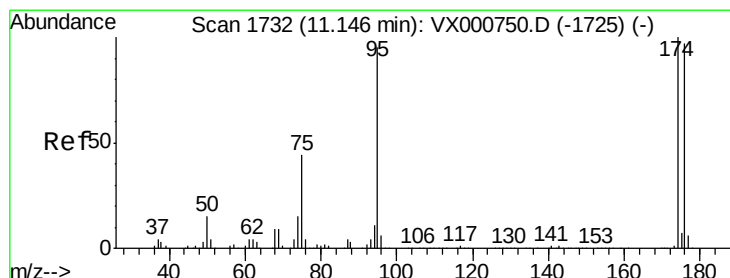
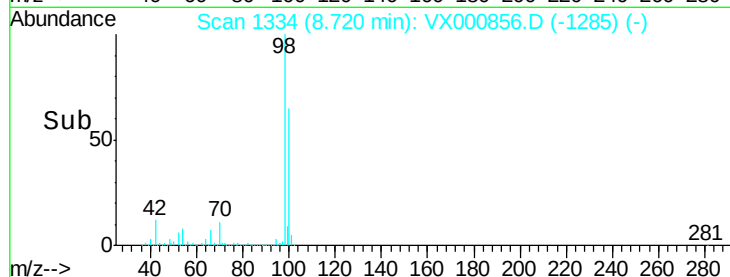
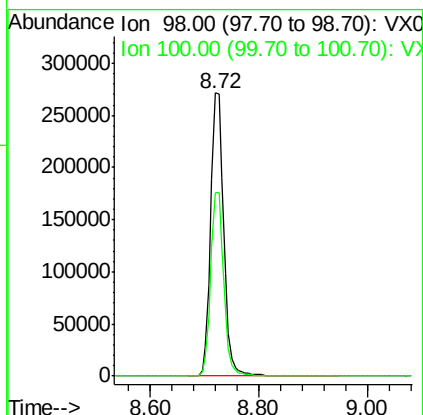
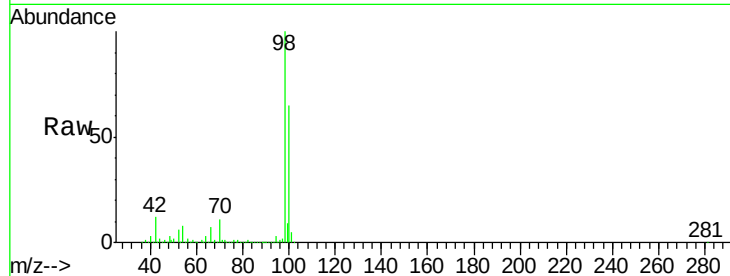




#50
Toluene-d8
Concen: 48.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

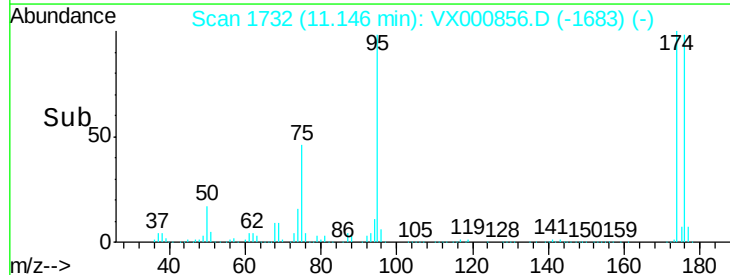
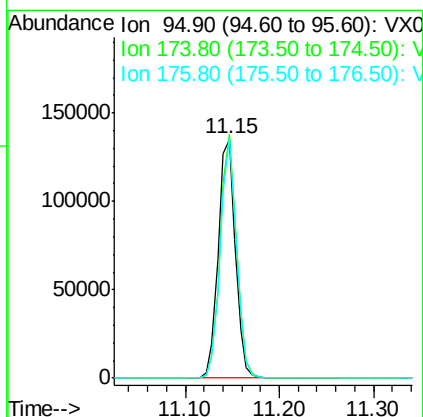
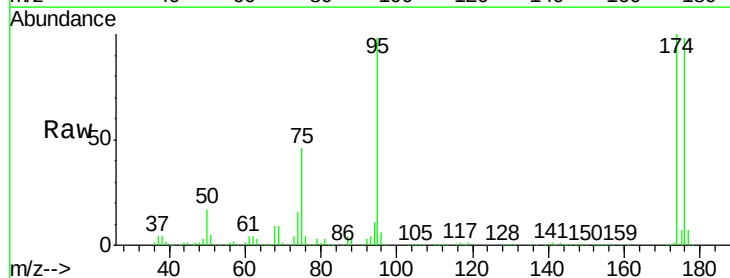
Instrument :
MSVOA_X
ClientSampleId :
TR-04-041218

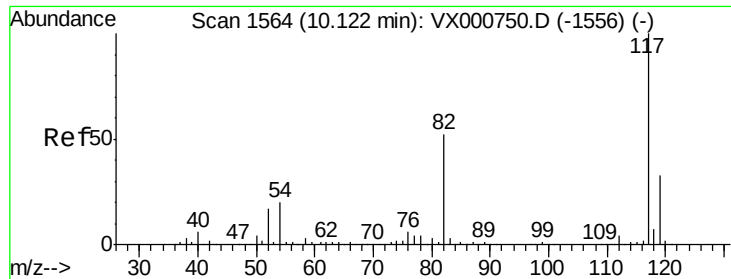
Tgt Ion: 98 Resp: 452675
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 43.99 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

Tgt Ion: 95 Resp: 171263
Ion Ratio Lower Upper
95 100
174 97.7 0.0 198.4
176 95.1 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: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampled :

TR-04-041218

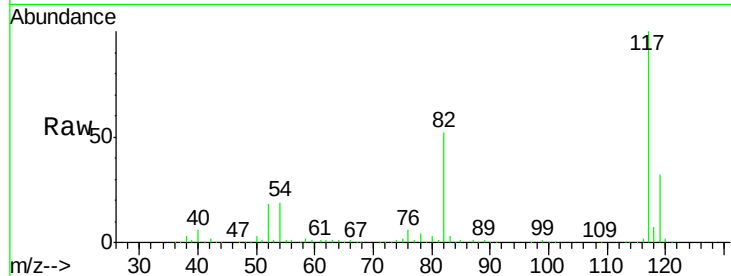
Tgt Ion:117 Resp: 295795

Ion Ratio Lower Upper

117 100

82 51.7 41.9 62.9

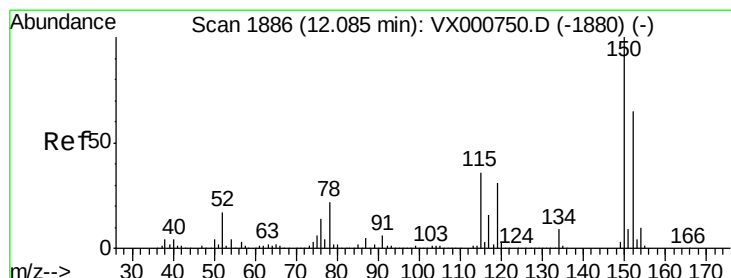
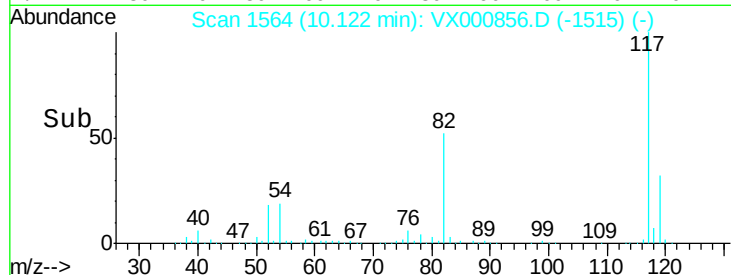
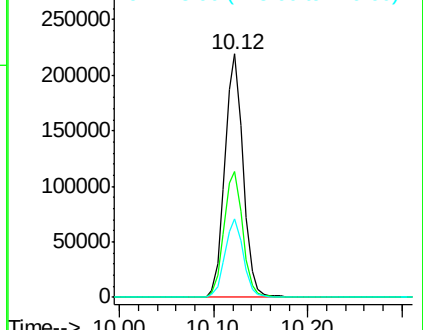
119 32.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

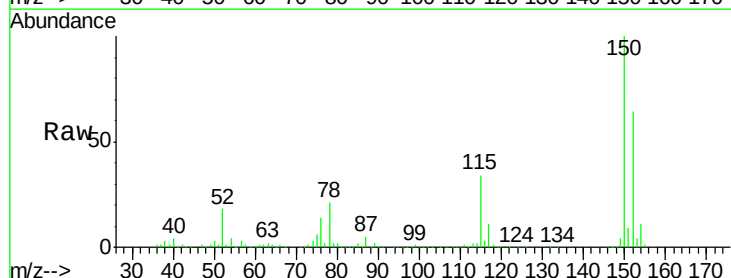
Tgt Ion:152 Resp: 188126

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

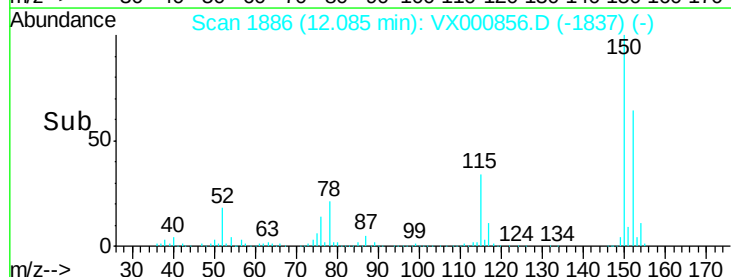
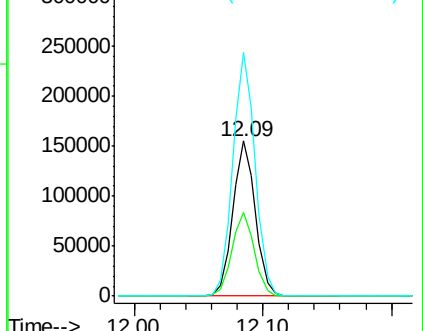
150 157.0 0.0 348.0

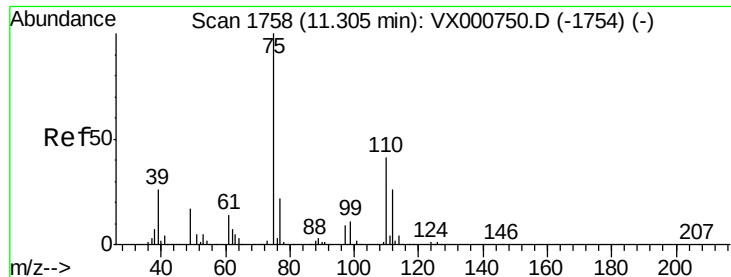


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

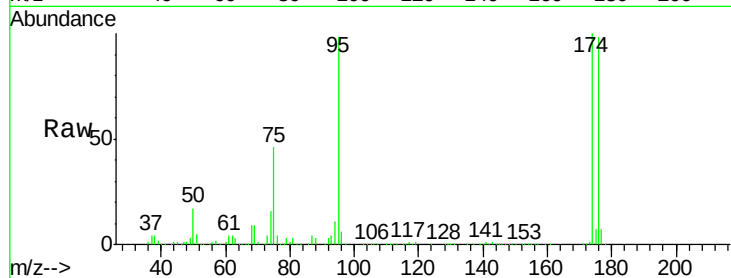
TR-04-041218

Tgt Ion: 75 Resp: 82818

Ion Ratio Lower Upper

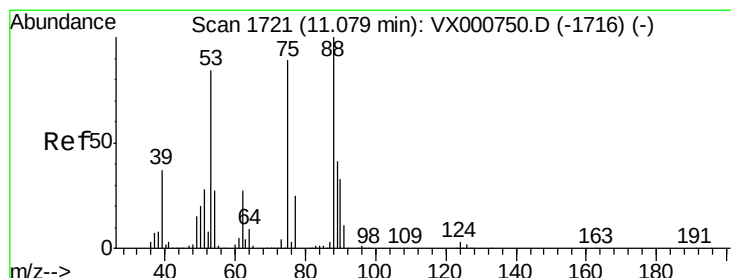
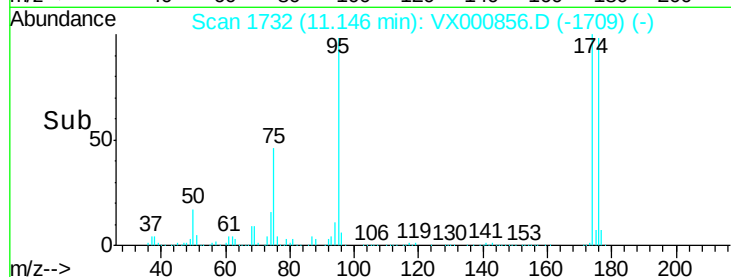
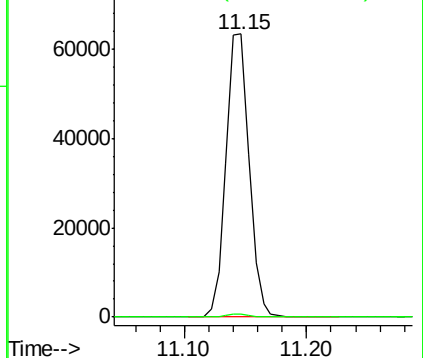
75 100

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: 70.22 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000856.D

Acq: 13 Apr 2018 18:08

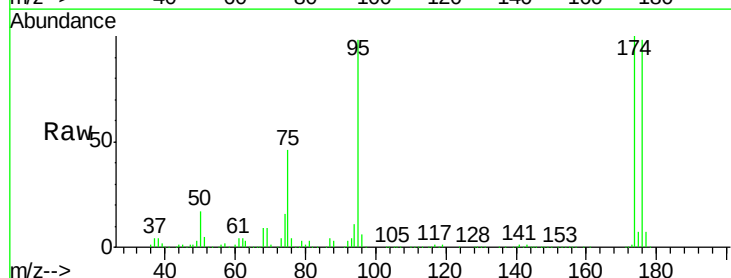
Tgt Ion: 75 Resp: 82818

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

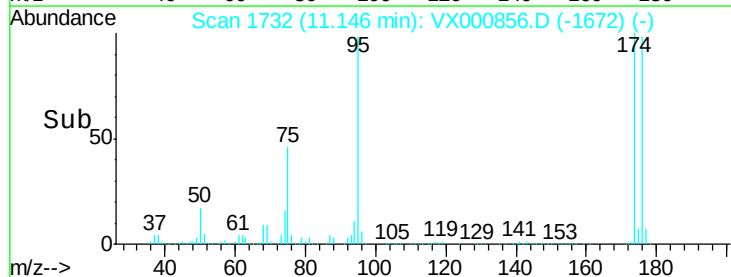
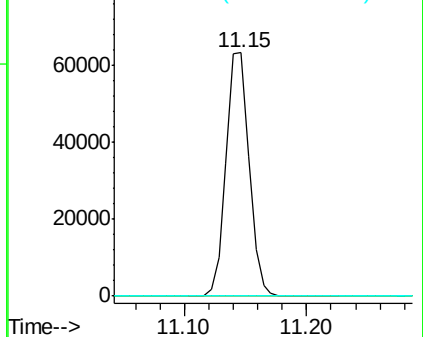
89 0.0 40.9 61.3#

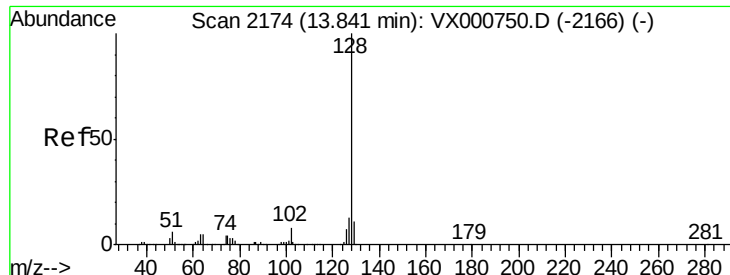


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

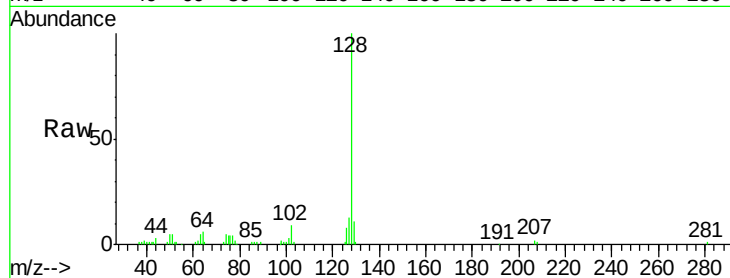




#95
Naphthalene
Concen: 1.30 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000856.D
Acq: 13 Apr 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
TR-04-041218

Tgt Ion:128 Resp: 17841
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.9 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

