

Data File : VX000175.D

Acq On : 28 Feb 2018 18:49

Operator : JC/MD

Sample : J1683-06RE

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

Quant Time: Mar 01 06:35:09 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	117707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	202901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	199300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90440	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	5.51	113	66253	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	8.73	98	243849	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.15	95	94027	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	403	Below Cal	#	63
6) Chloroethane	1.74	64	247	0.28	ug/l #	42
11) Tert butyl alcohol	3.08	59	589	1.04	ug/l #	55
13) Acrolein	2.29	56	161	0.60	ug/l #	1
16) Acetone	2.46	43	1239	1.30	ug/l	97
20) Methylene Chloride	2.87	84	482	Below Cal	#	40
36) 1,1-Dichloropropene	5.67	75	9608	5.28	ug/l #	48
38) Carbon Tetrachloride	5.68	117	11694	5.95	ug/l #	16
41) Methacrylonitrile	5.08	41	104	Below Cal	#	1
67) Ethyl Benzene	10.26	91	6957	0.98	ug/l	96
68) m/p-Xylenes	10.37	106	15689	5.61	ug/l	97
69) o-Xylene	10.71	106	7502	2.78	ug/l	99
76) 1,2,3-Trichloropropane	11.15	75	54273	24.99	ug/l #	33
78) n-propylbenzene	11.37	91	3089	0.39	ug/l	89
79) 2-Chlorotoluene	11.44	91	3564	0.80	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	7732	1.38	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.15	75	54273	71.19	ug/l #	12
82) 4-Chlorotoluene	11.51	91	1215	0.22	ug/l #	41
84) 1,2,4-Trimethylbenzene	11.82	105	22145	3.80	ug/l	93
85) sec-Butylbenzene	11.82	105	22145	3.14	ug/l #	55
89) n-Butylbenzene	12.39	91	1464	0.25	ug/l #	16
90) Hexachloroethane	12.59	117	326	0.32	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.82	75	243	0.38	ug/l #	1
95) Naphthalene	13.85	128	5346	0.62	ug/l	98

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

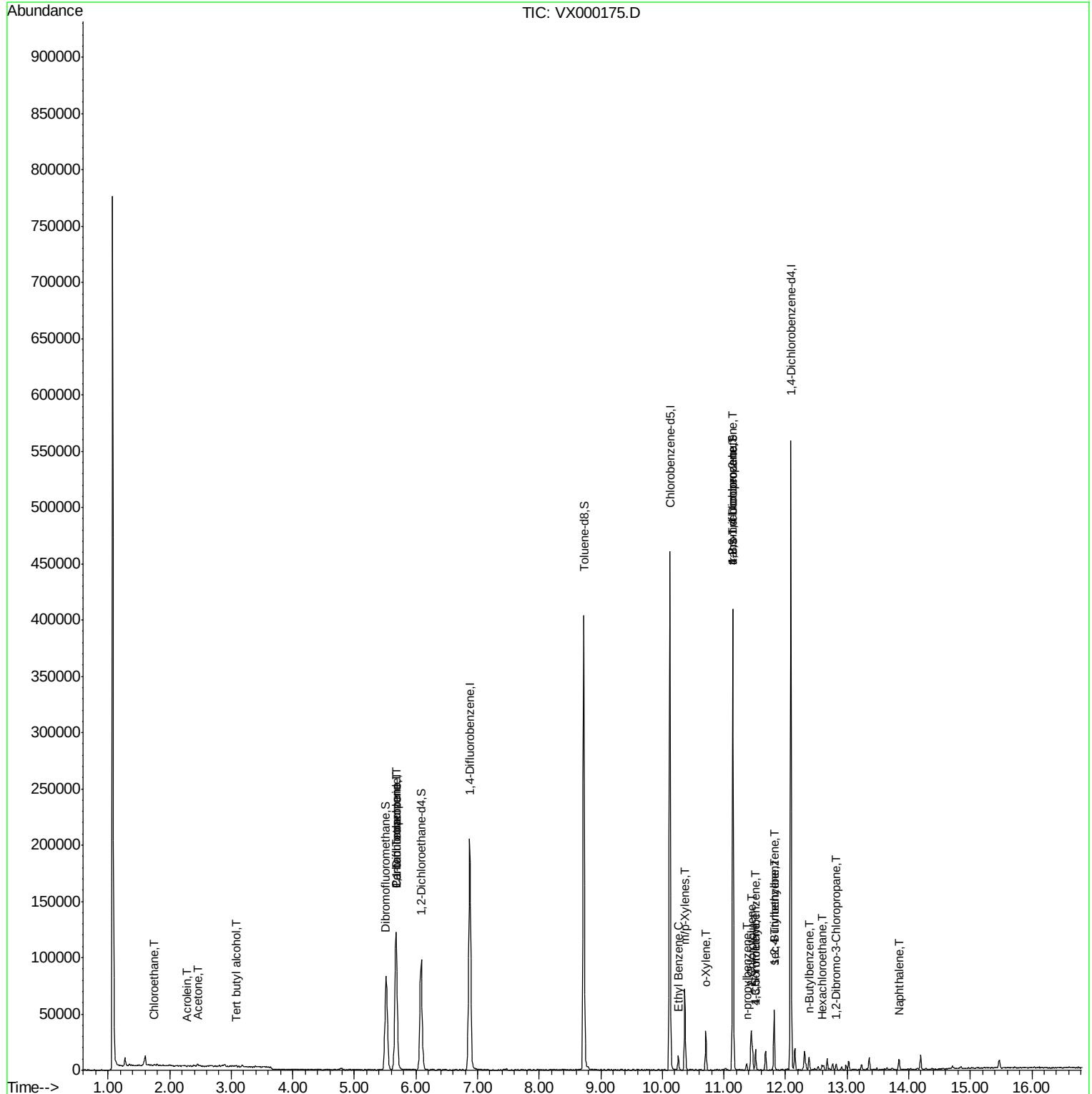
Quant Time: Mar 01 06:35:09 2018

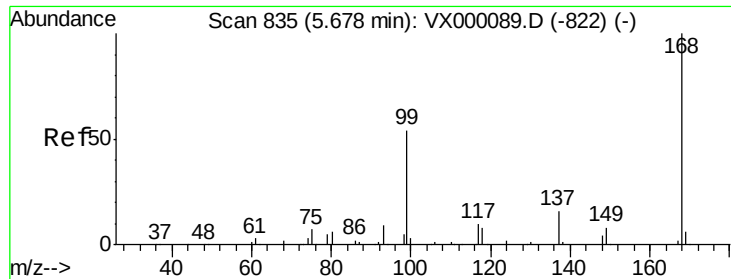
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

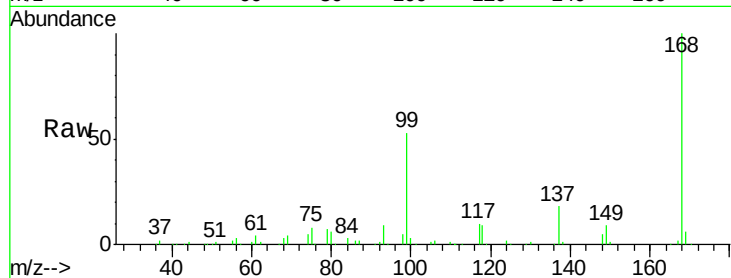
RFK-RMAB-MW13-GW

Tgt Ion:168 Resp: 117707

Ion Ratio Lower Upper

168 100

99 53.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

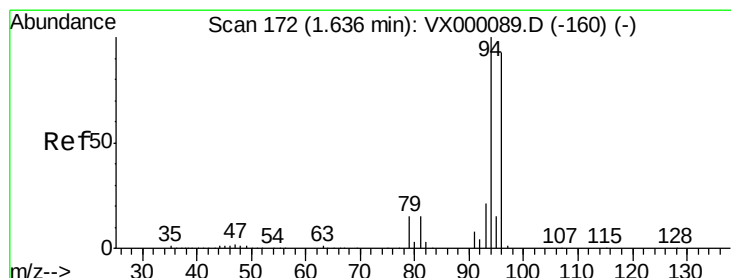
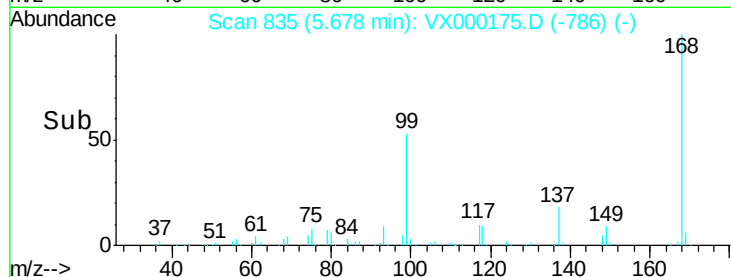
20000

10000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000175.D

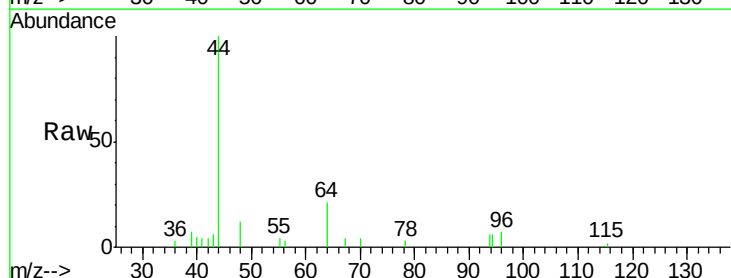
Acq: 28 Feb 2018 18:49

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

96 57.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

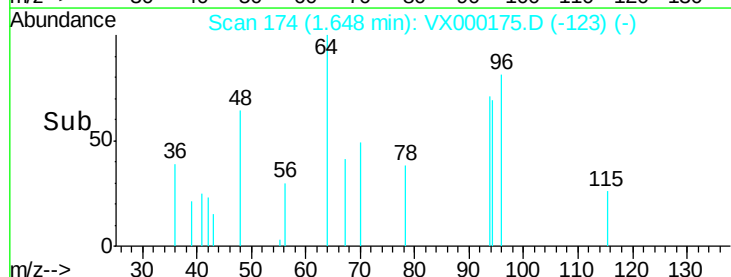
200

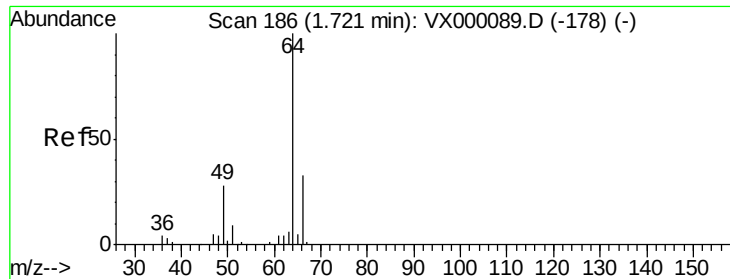
100

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

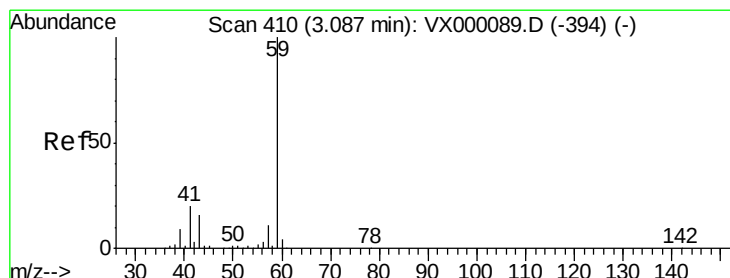
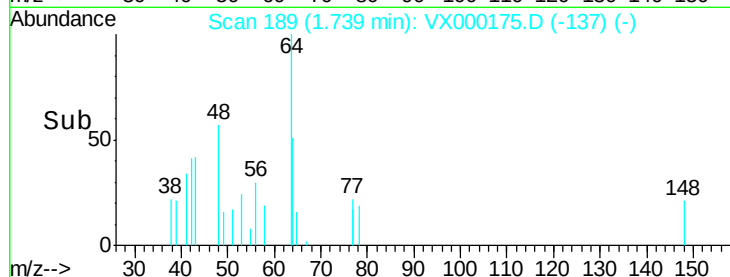
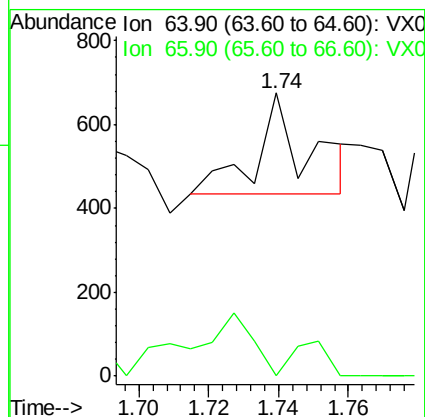
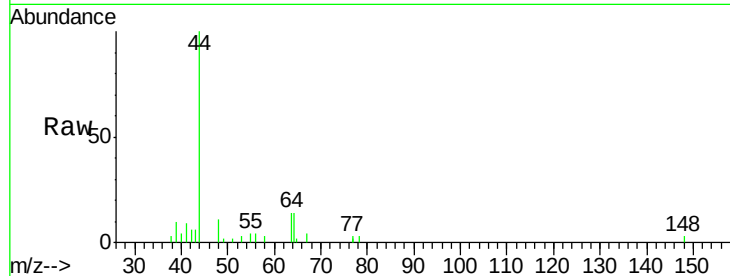
RFK-RMAB-MW13-GW

Tgt Ion: 64 Resp: 247

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



#11

Tert butyl alcohol

Concen: 1.04 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX000175.D

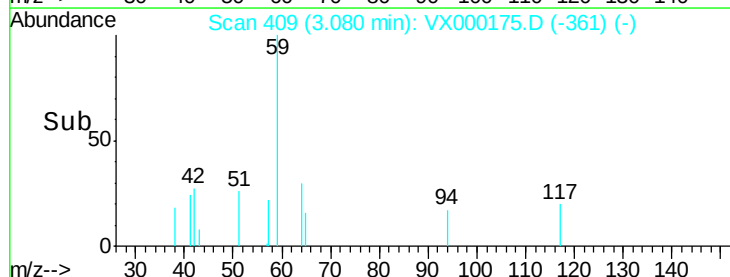
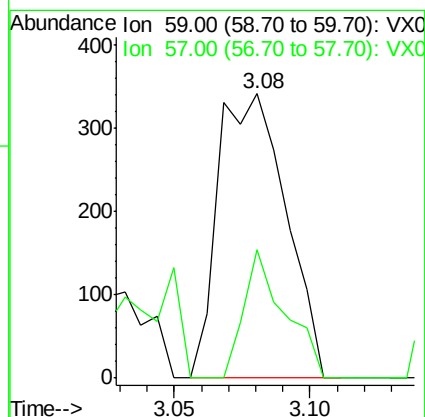
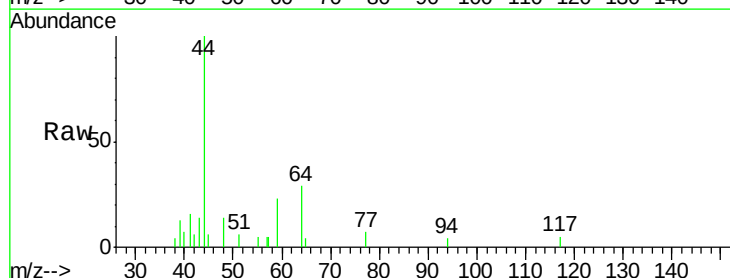
Acq: 28 Feb 2018 18:49

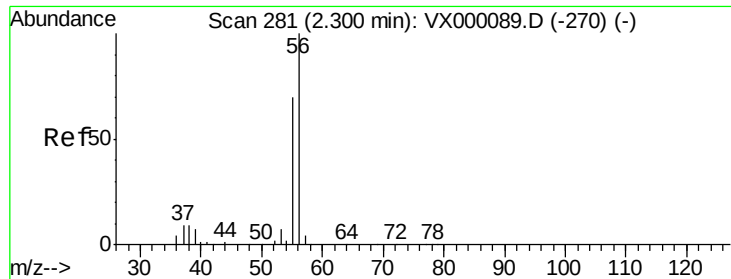
Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

59 100

57 27.2 8.3 12.5#

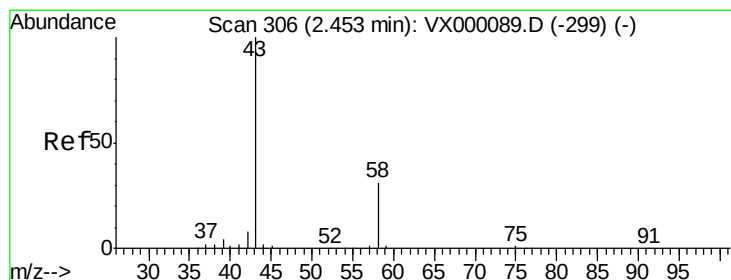
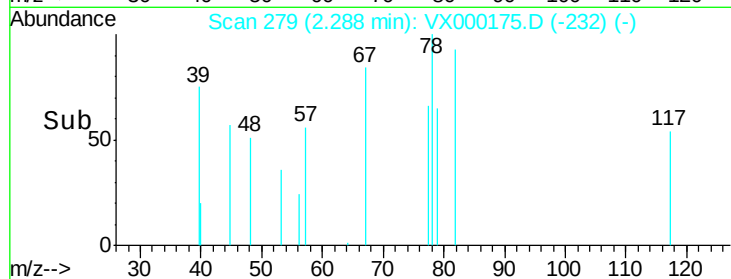
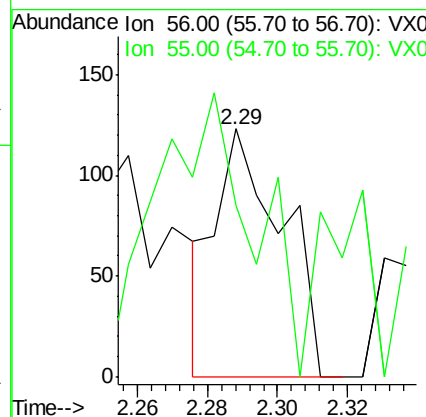
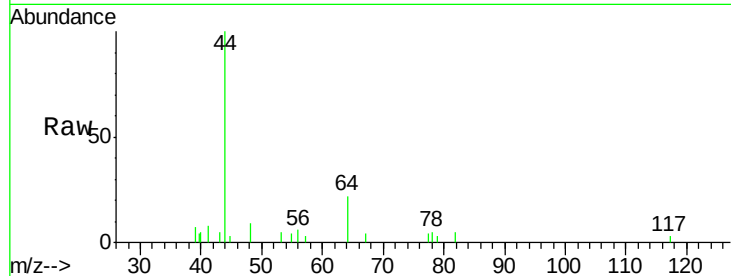




#13
Acrolein
Concen: 0.60 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

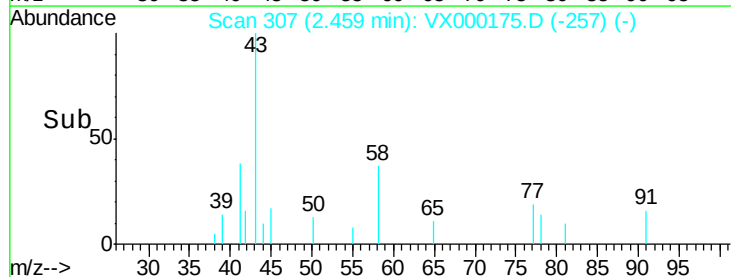
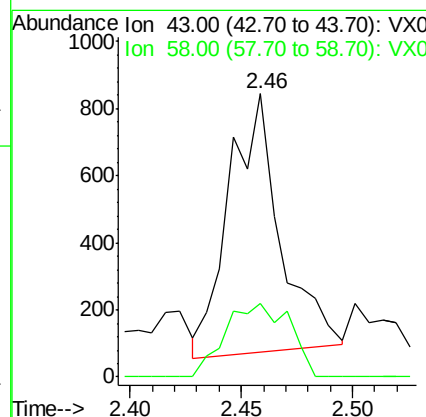
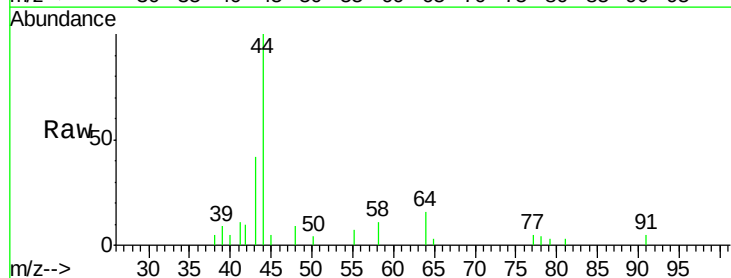
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

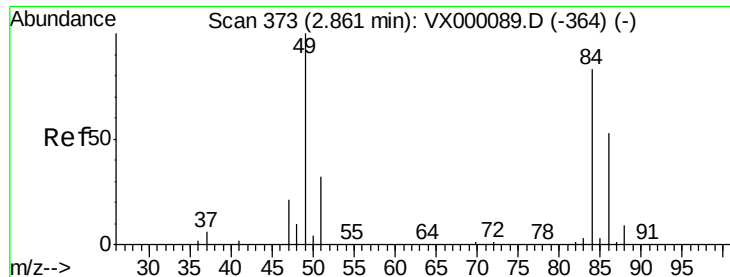
Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 155.9 56.2 84.4#



#16
Acetone
Concen: 1.30 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
58 29.7 25.0 37.4

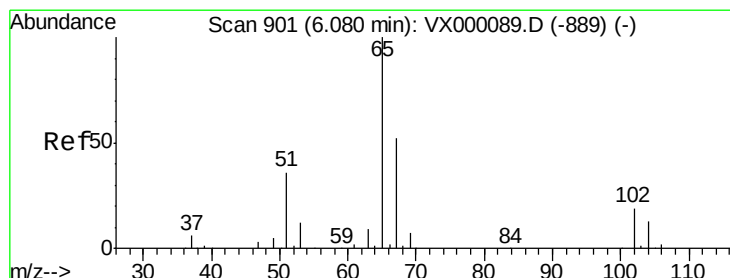
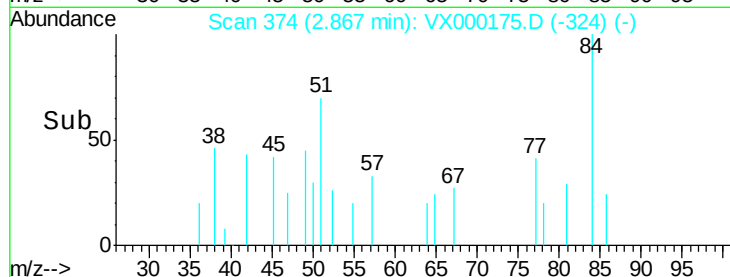
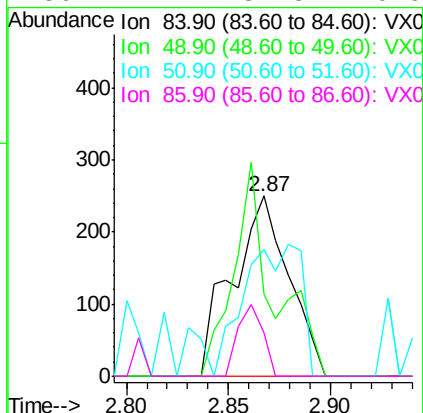
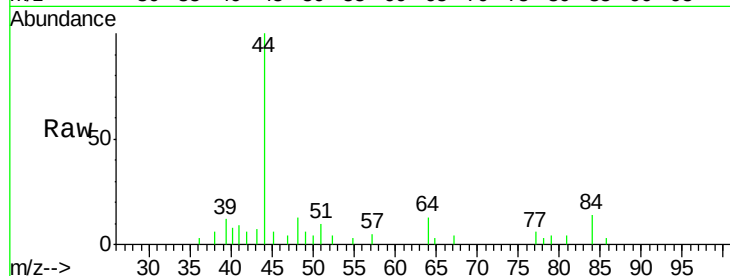




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

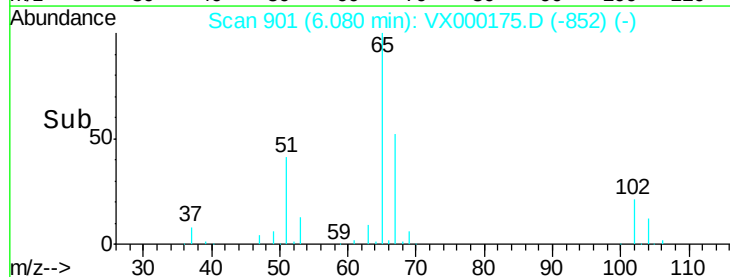
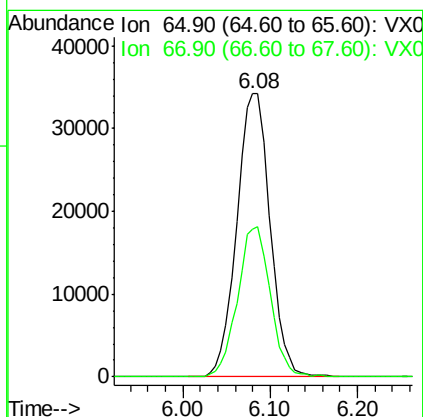
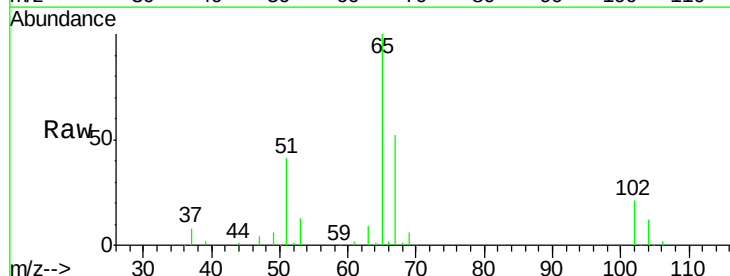
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

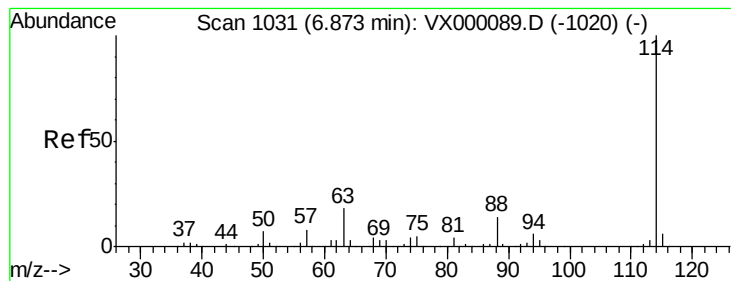
Tgt Ion: 84 Resp: 482
Ion Ratio Lower Upper
84 100
49 45.2 96.1 144.1#
51 70.4 30.5 45.7#
86 24.4 51.3 76.9#



#33
1,2-Dichloroethane-d4
Concen: 61.53 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion: 65 Resp: 90440
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

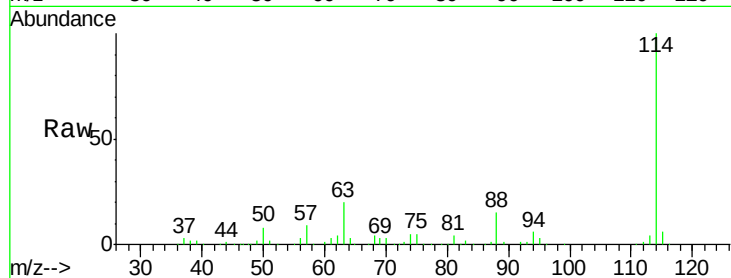
Tgt Ion:114 Resp: 202901

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

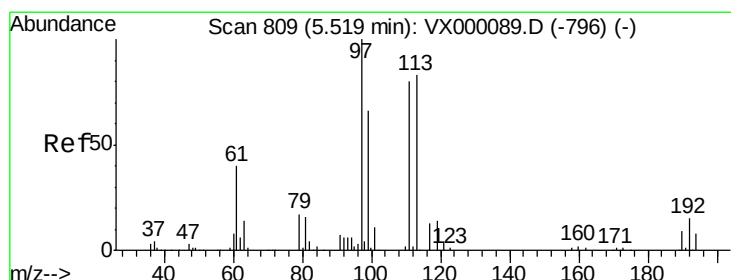
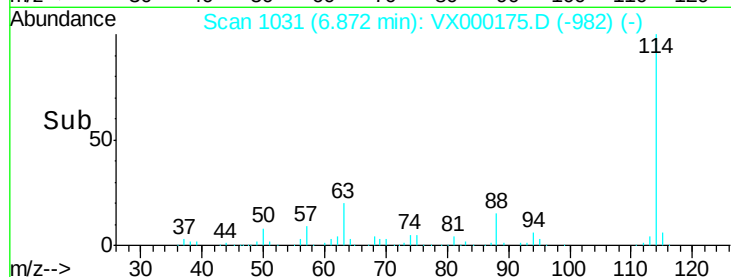
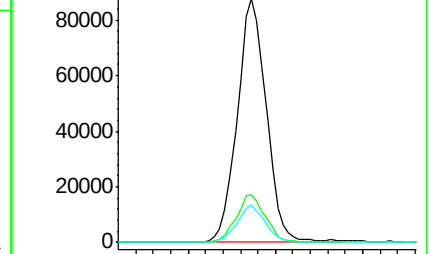
88 15.4 0.0 29.0



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: 51.74 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

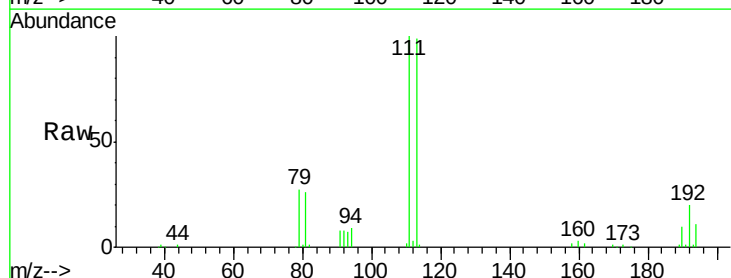
Tgt Ion:113 Resp: 66253

Ion Ratio Lower Upper

113 100

111 100.5 81.0 121.6

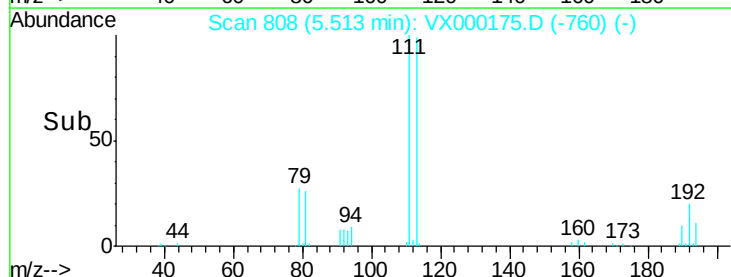
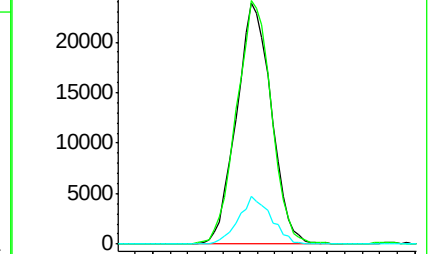
192 18.6 15.7 23.5

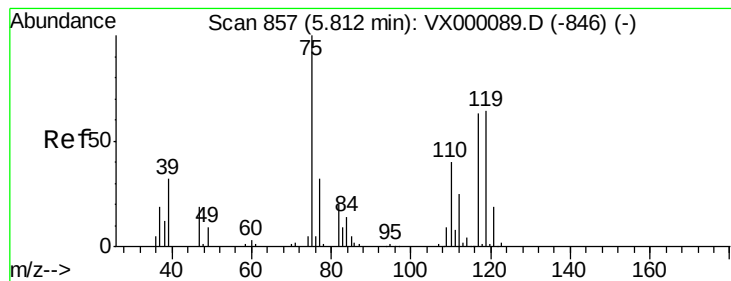


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.28 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

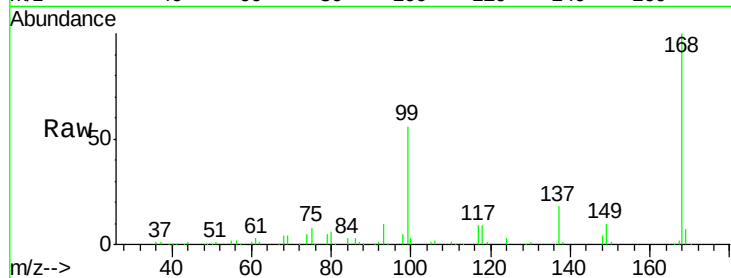
Tgt Ion: 75 Resp: 9608

Ion Ratio Lower Upper

75 100

110 9.4 19.5 58.5#

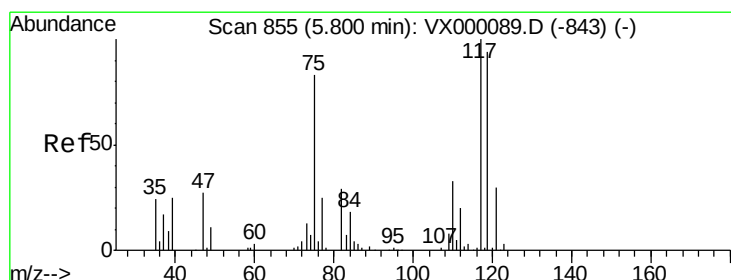
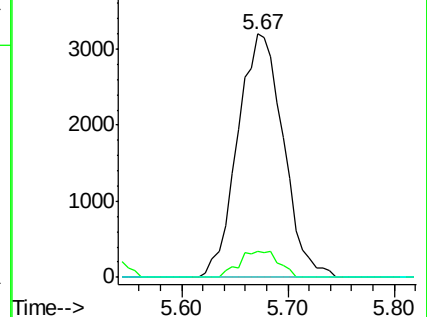
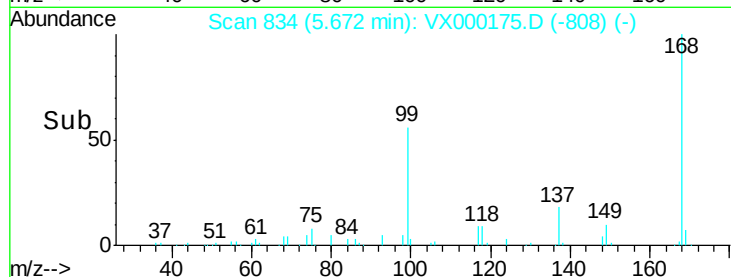
77 0.0 24.7 37.1#



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: 5.95 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.12 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

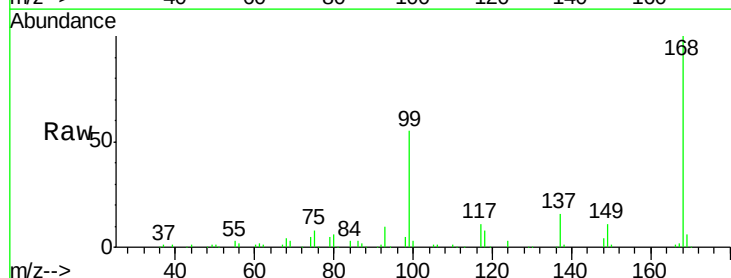
Tgt Ion: 117 Resp: 11694

Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

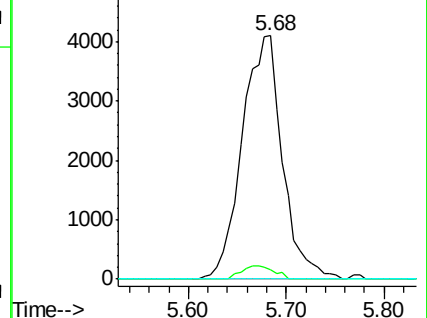
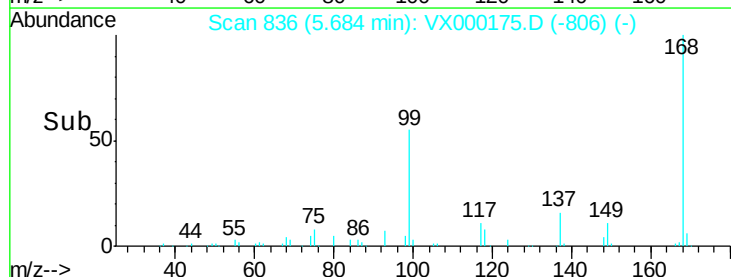
121 0.0 23.7 35.5#

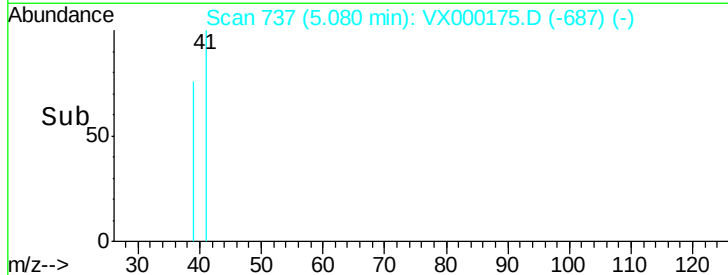
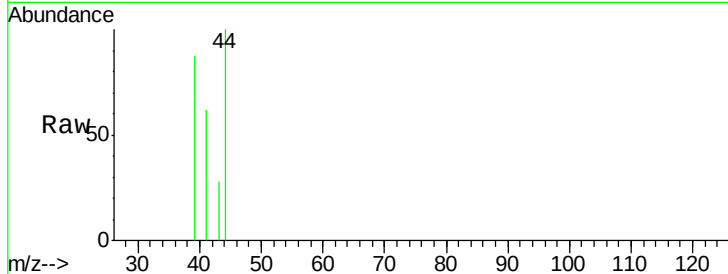
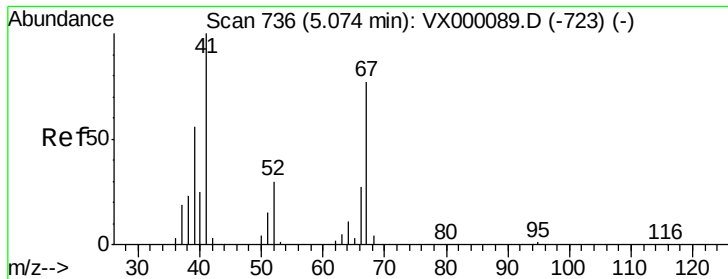


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

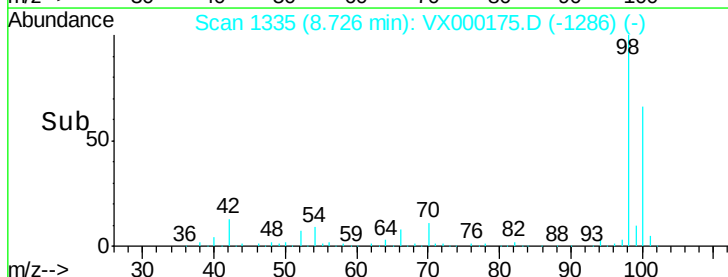
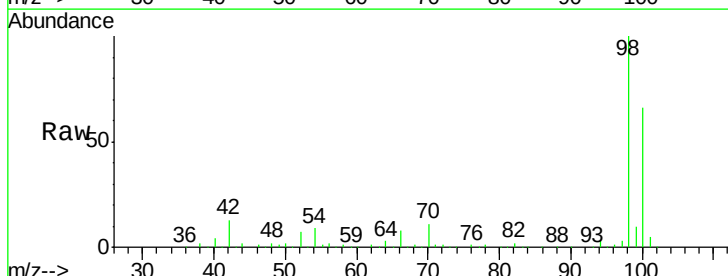
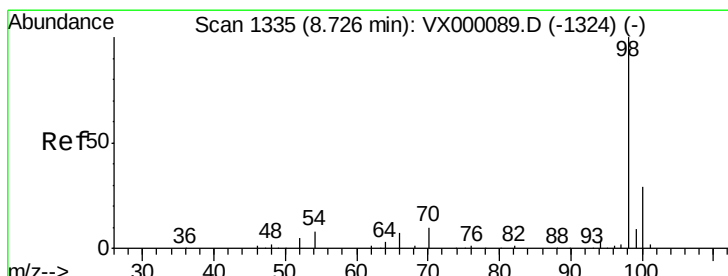
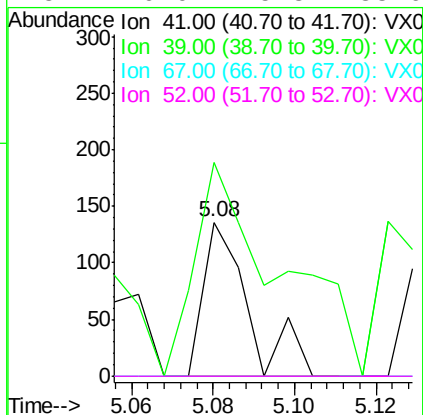




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

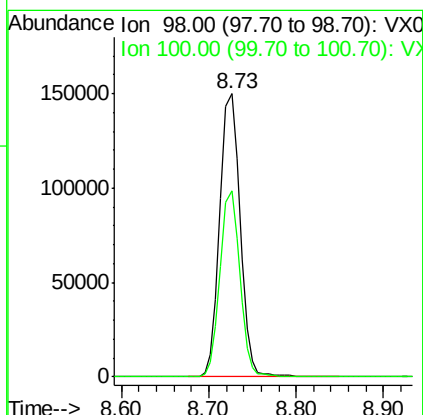
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

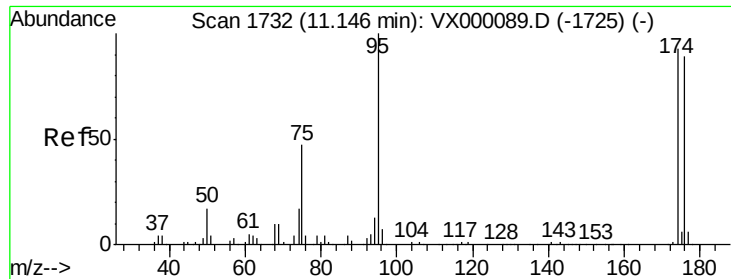
Tgt Ion:	41	Resp:	104
Ion	Ratio	Lower	Upper
41	100		
39	260.6	45.1	67.7#
67	0.0	61.0	91.4#
52	0.0	25.8	38.6#



#50
Toluene-d8
Concen: 48.27 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion:	98	Resp:	243849
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2





#62

4-Bromofluorobenzene

Concen: 47.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

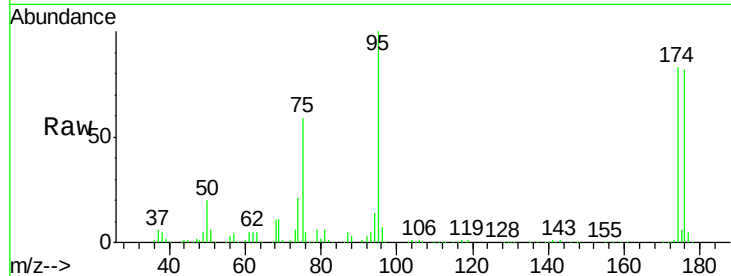
Tgt Ion: 95 Resp: 94027

Ion Ratio Lower Upper

95 100

174 85.4 0.0 187.8

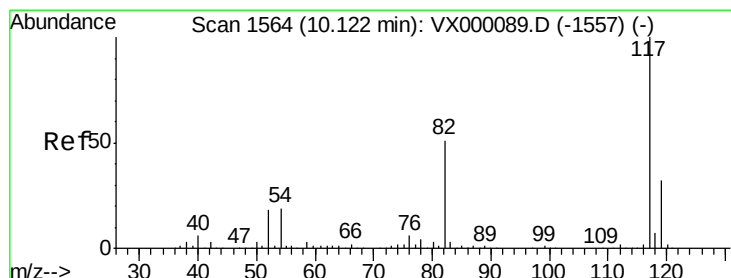
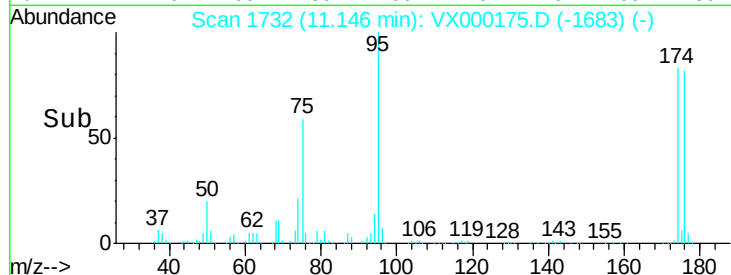
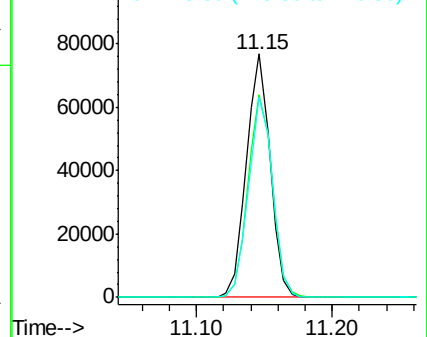
176 83.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VX000089.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000089.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000089.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

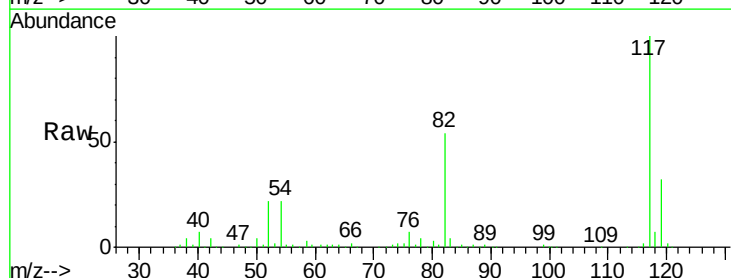
Tgt Ion: 117 Resp: 199300

Ion Ratio Lower Upper

117 100

82 53.8 41.0 61.6

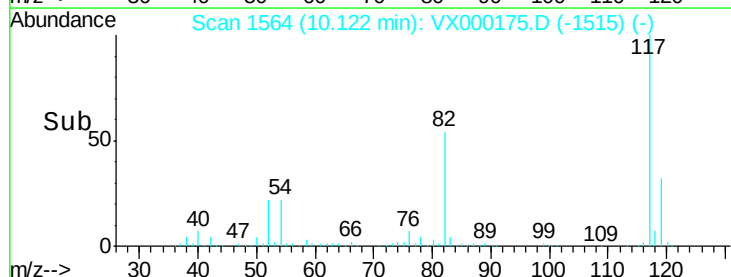
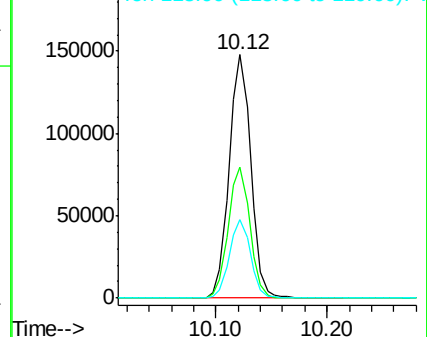
119 32.4 25.5 38.3

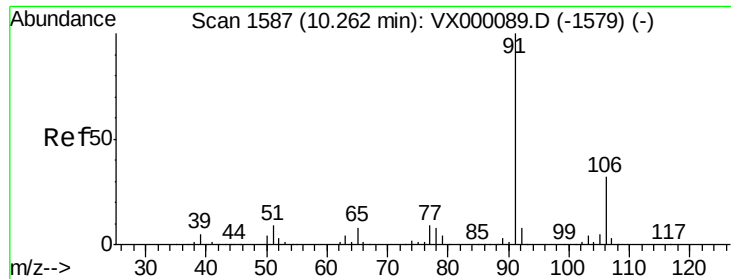


Abundance Ion 116.90 (116.60 to 117.60): VX000089.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000089.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000089.D (-1557) (-)

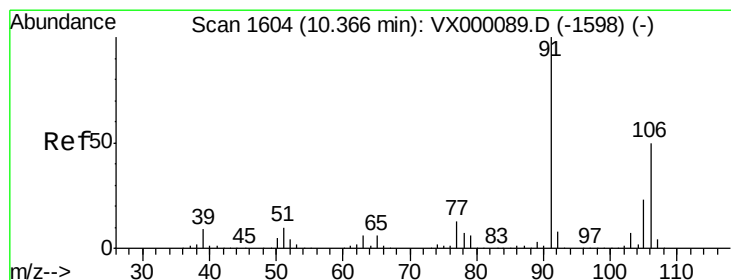
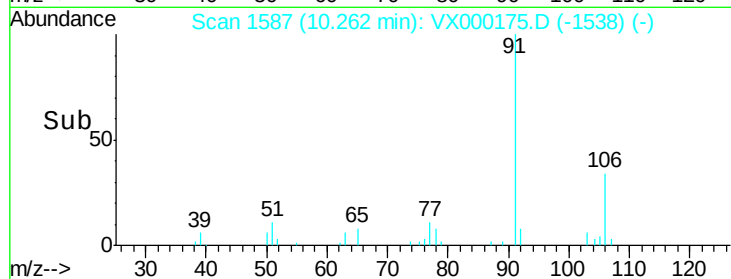
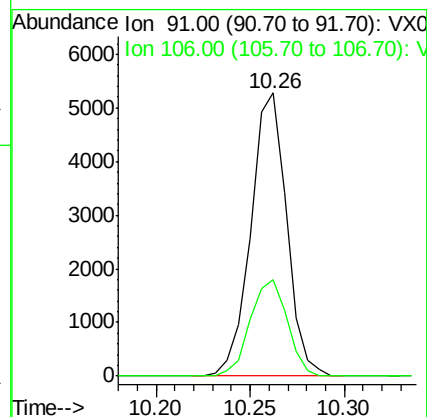
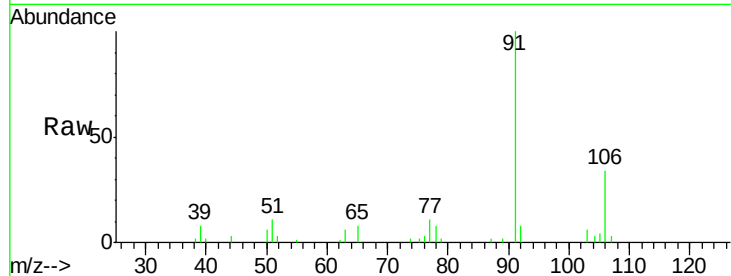




#67
Ethyl Benzene
Concen: 0.98 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

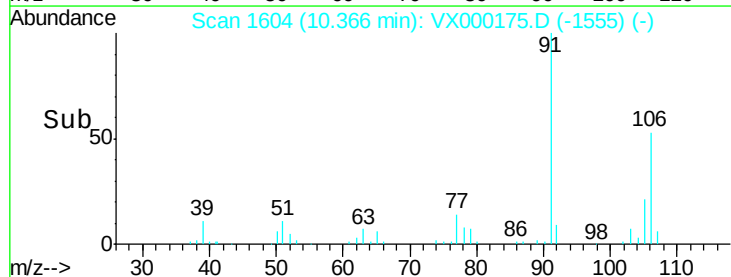
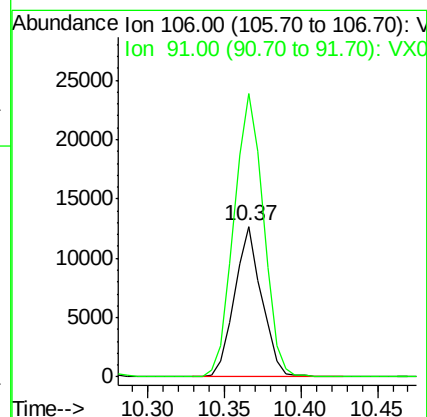
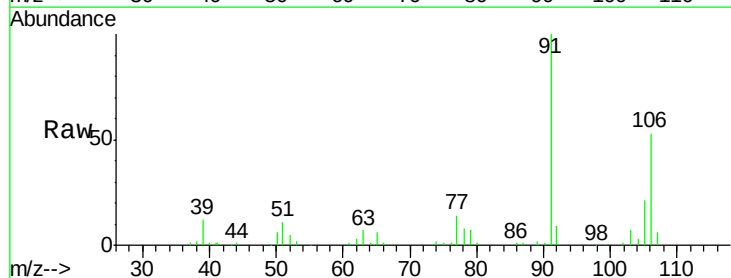
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

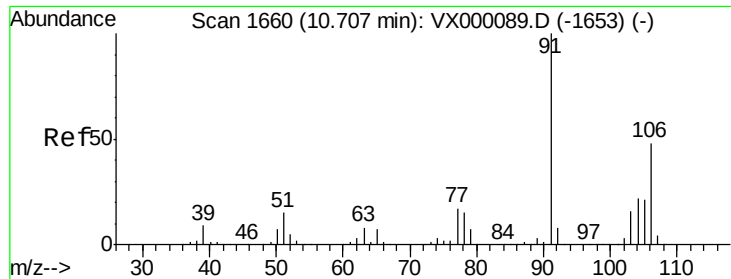
Tgt Ion: 91 Resp: 6957
Ion Ratio Lower Upper
91 100
106 34.2 25.8 38.6



#68
m/p-Xylenes
Concen: 5.61 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion: 106 Resp: 15689
Ion Ratio Lower Upper
106 100
91 203.3 159.1 238.7

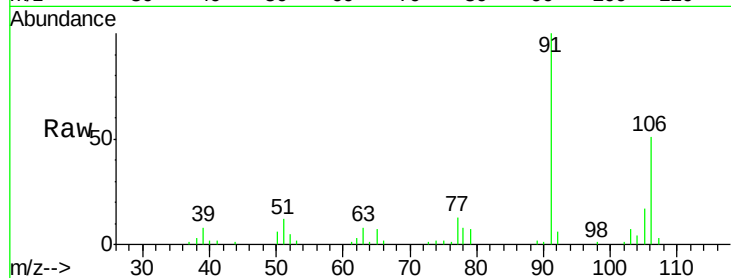




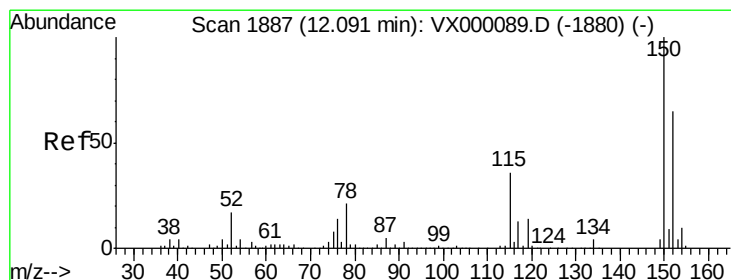
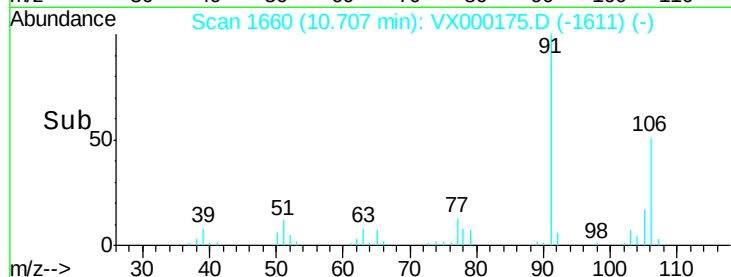
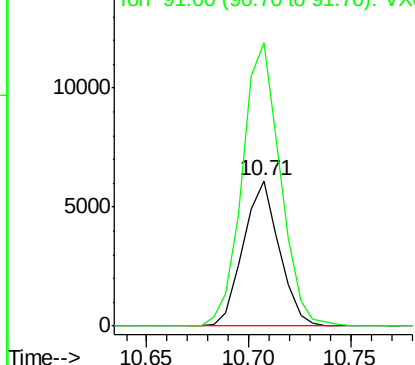
#69
o-Xylene
Concen: 2.78 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion:106 Resp: 7502
Ion Ratio Lower Upper
106 100
91 205.6 103.8 311.6

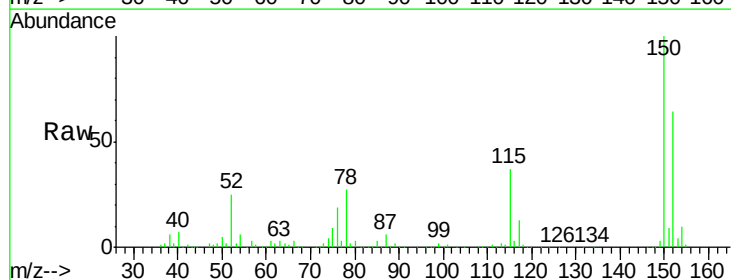


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

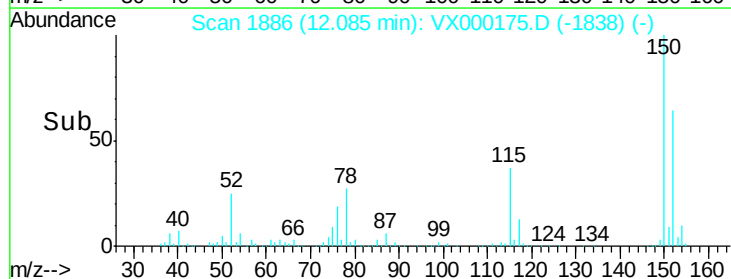
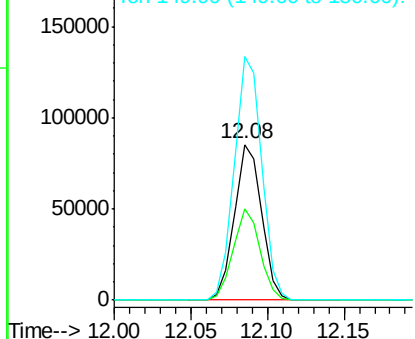


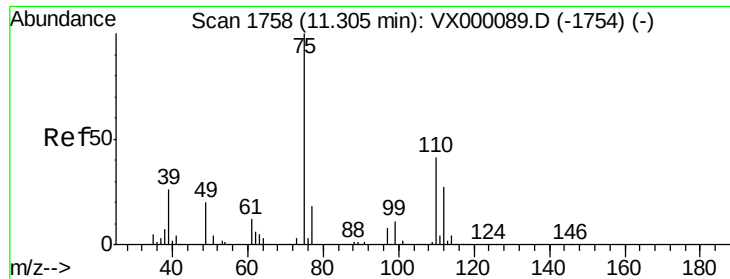
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion:152 Resp: 104820
Ion Ratio Lower Upper
152 100
115 57.8 39.1 117.2
150 158.1 0.0 348.2



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: 24.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

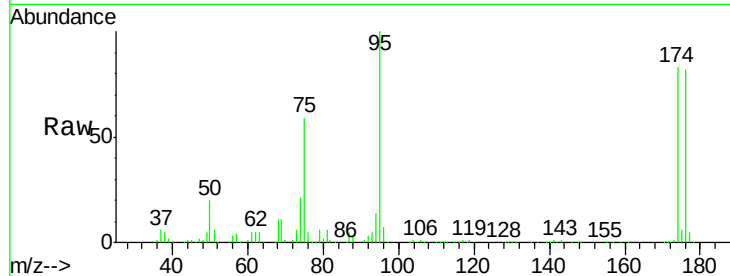
RFK-RMAB-MW13-GW

Tgt Ion: 75 Resp: 54273

Ion Ratio Lower Upper

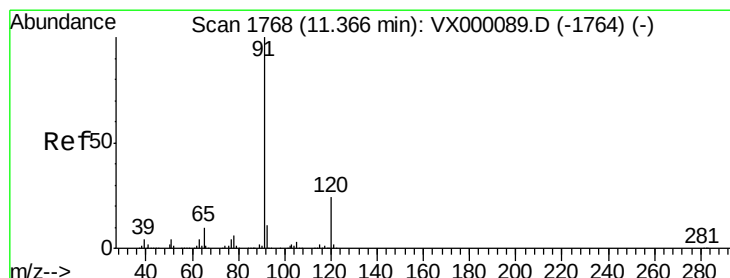
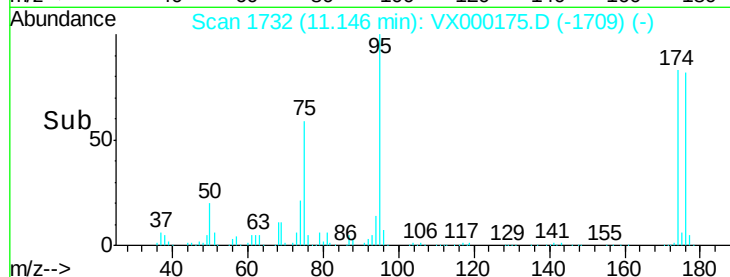
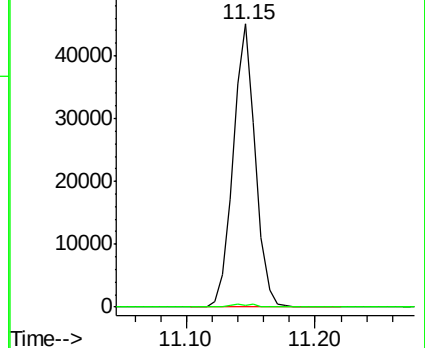
75 100

77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.39 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000175.D

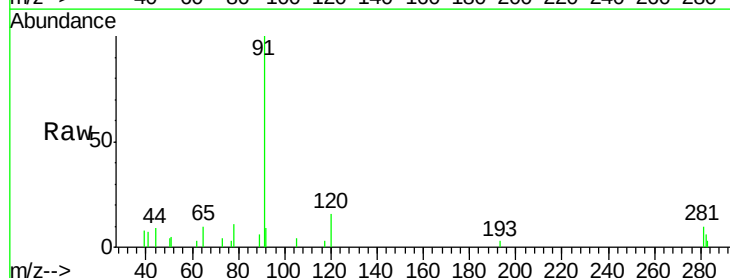
Acq: 28 Feb 2018 18:49

Tgt Ion: 91 Resp: 3089

Ion Ratio Lower Upper

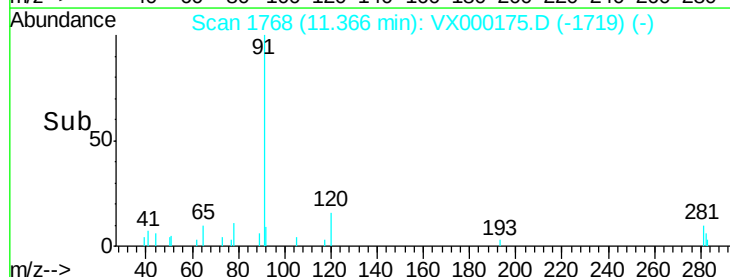
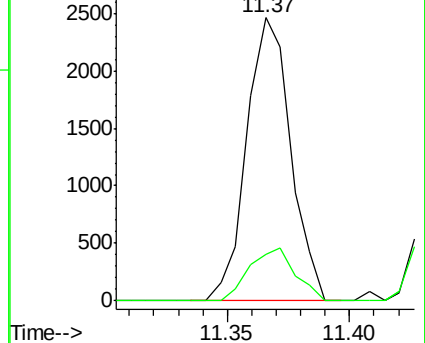
91 100

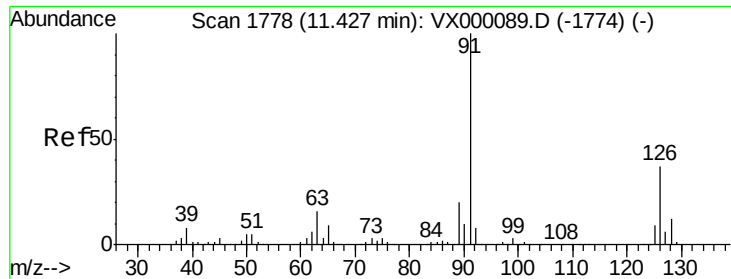
120 19.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

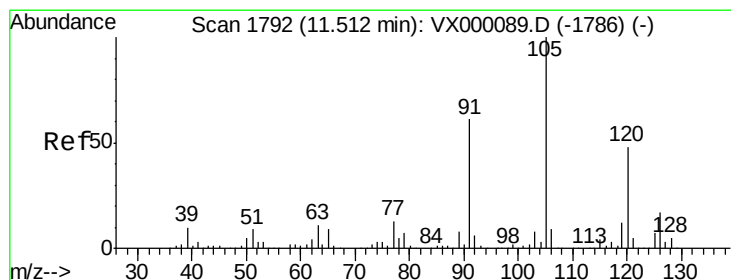
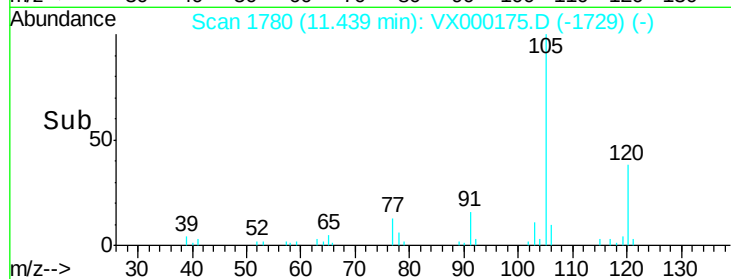
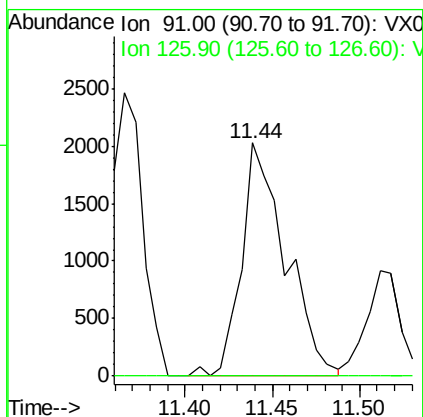
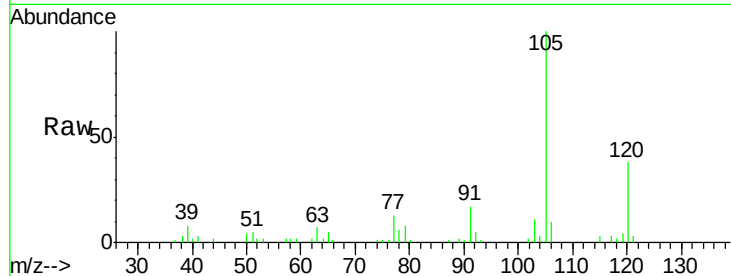




#79
 2-Chlorotoluene
 Concen: 0.80 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX000175.D
 Acq: 28 Feb 2018 18:49

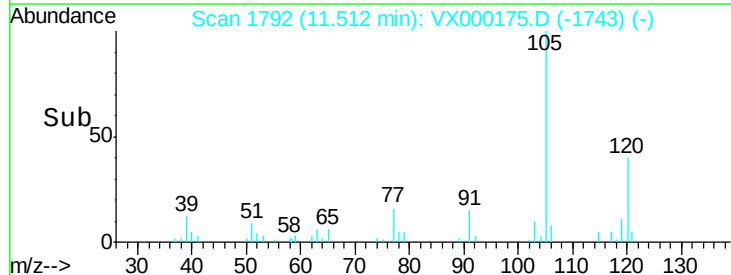
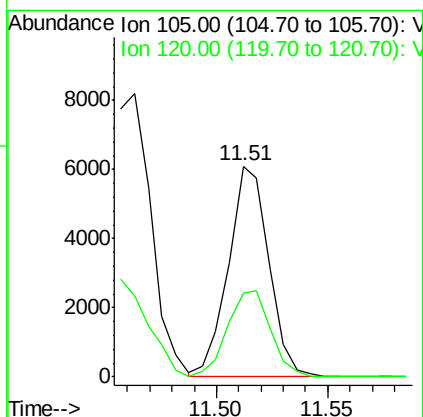
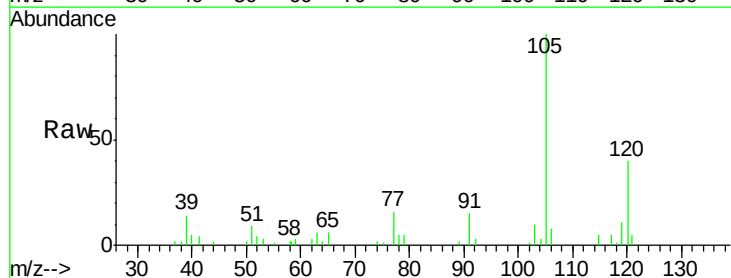
Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW13-GW

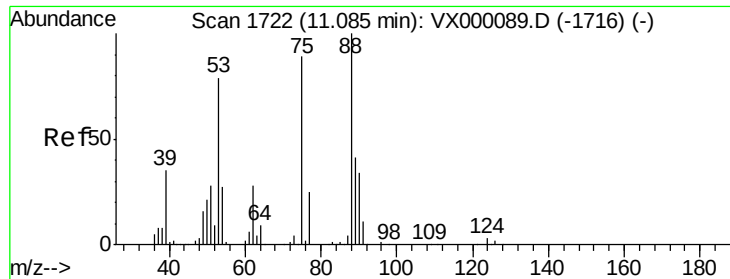
Tgt Ion: 91 Resp: 3564
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.4 55.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.38 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000175.D
 Acq: 28 Feb 2018 18:49

Tgt Ion: 105 Resp: 7732
 Ion Ratio Lower Upper
 105 100
 120 43.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 71.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

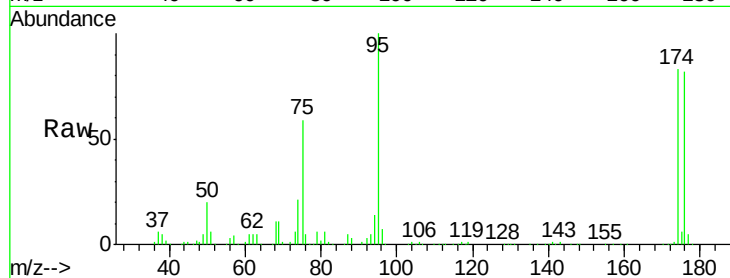
Tgt Ion: 75 Resp: 54273

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

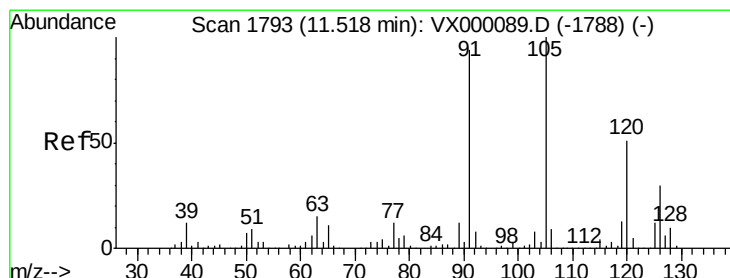
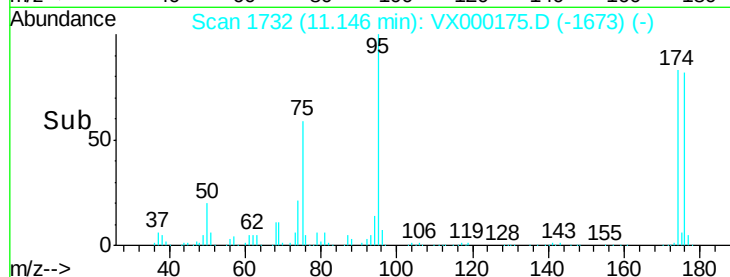
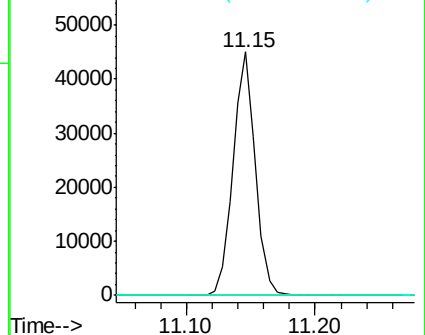
89 0.1 40.6 60.8#



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



#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000175.D

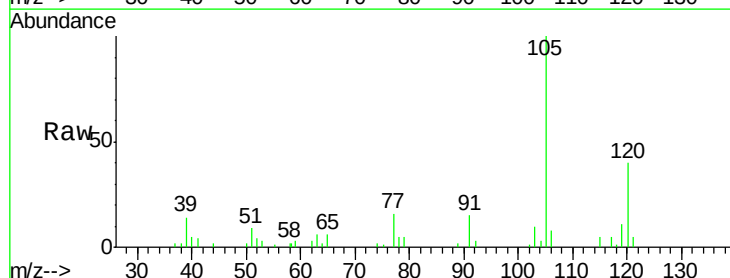
Acq: 28 Feb 2018 18:49

Tgt Ion: 91 Resp: 1215

Ion Ratio Lower Upper

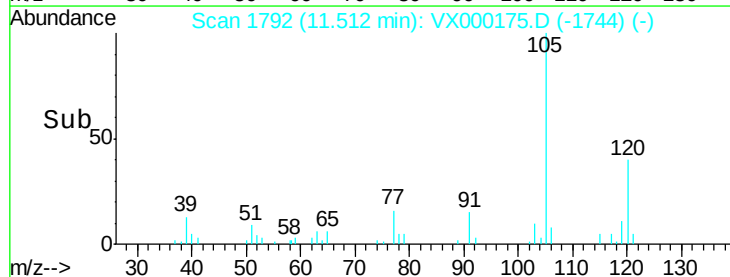
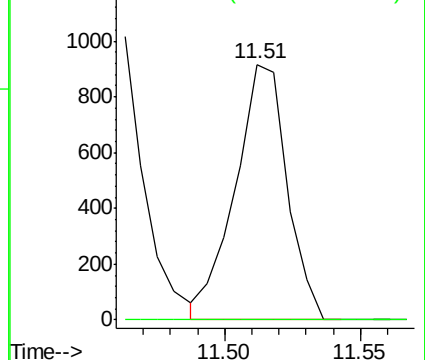
91 100

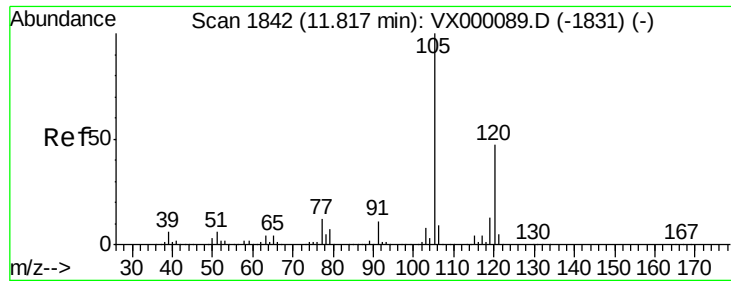
126 0.0 16.7 50.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

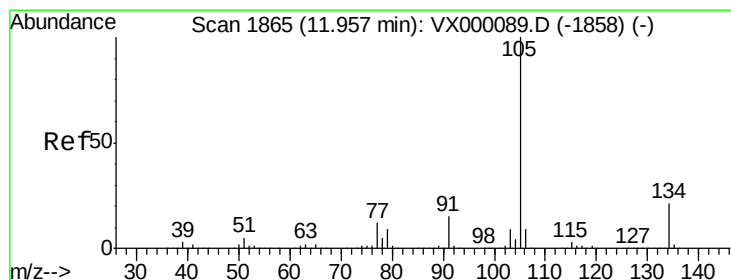
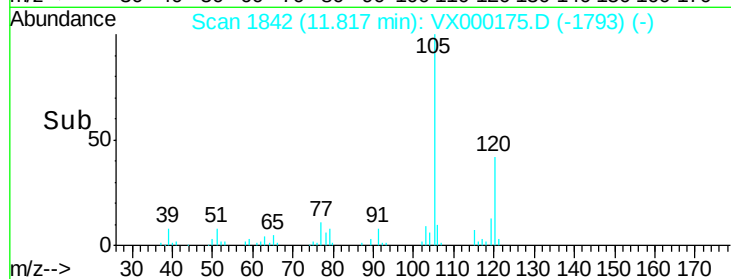
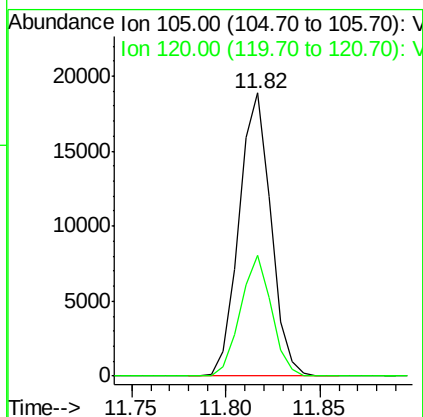
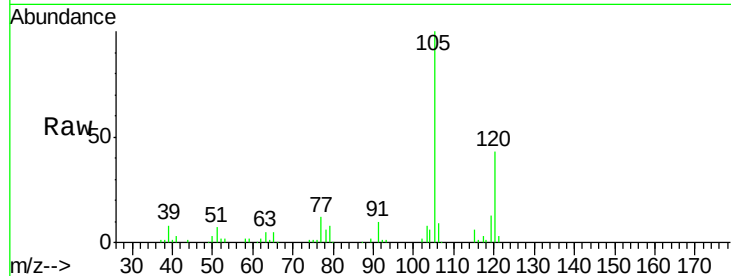




#84
 1,2,4-Trimethylbenzene
 Concen: 3.80 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000175.D
 Acq: 28 Feb 2018 18:49

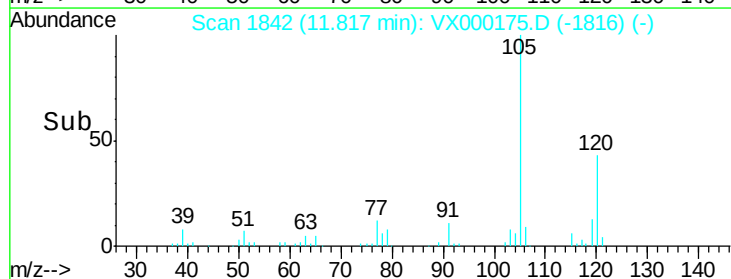
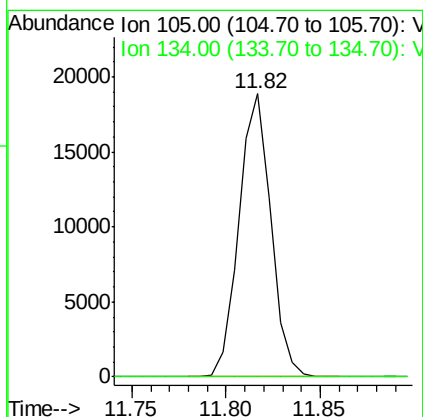
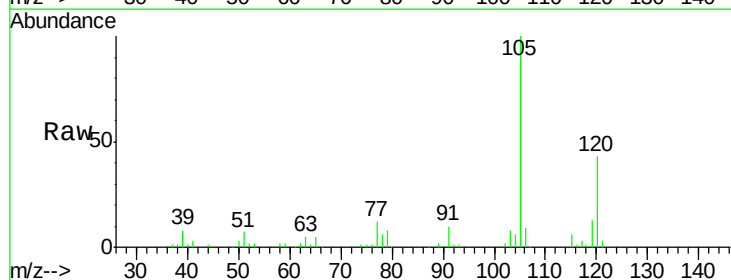
Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW13-GW

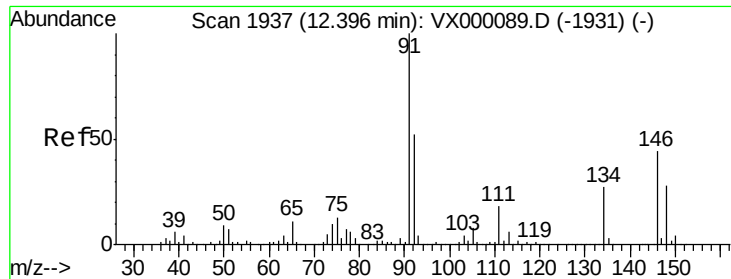
Tgt Ion:105 Resp: 22145
 Ion Ratio Lower Upper
 105 100
 120 41.6 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 3.14 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.14 min
 Lab File: VX000175.D
 Acq: 28 Feb 2018 18:49

Tgt Ion:105 Resp: 22145
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.6#

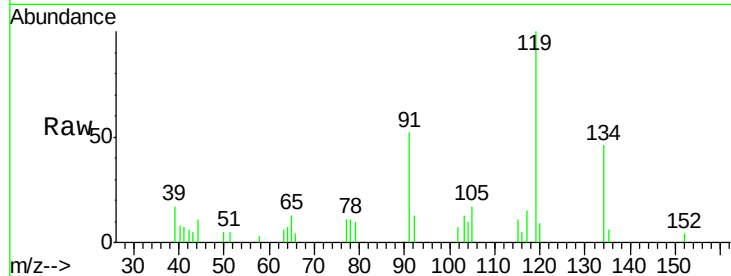




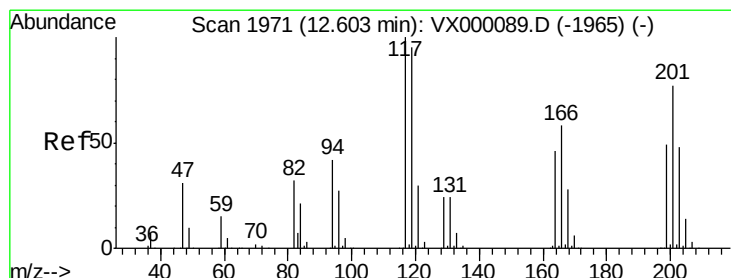
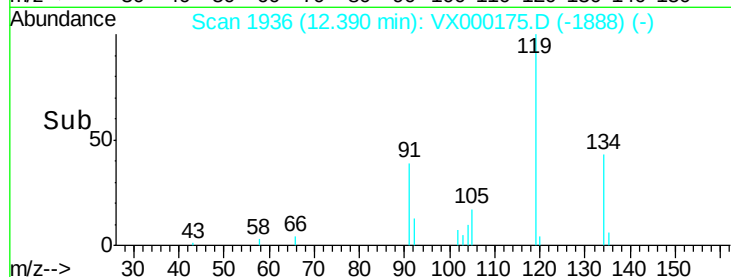
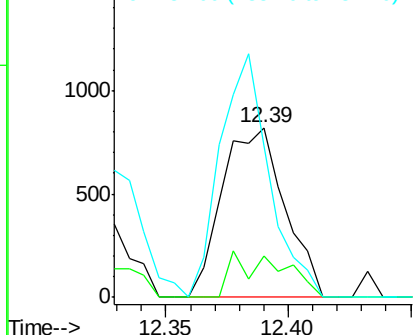
#89
n-Butylbenzene
Concen: 0.25 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion: 91 Resp: 1464
Ion Ratio Lower Upper
91 100
92 21.9 26.2 78.6#
134 112.3 14.3 42.9#

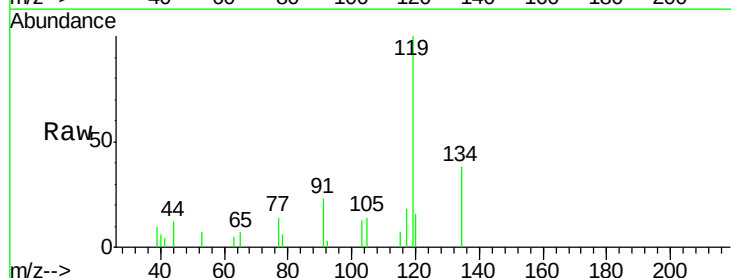


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

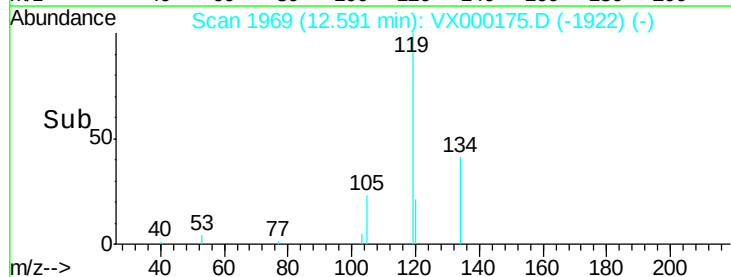
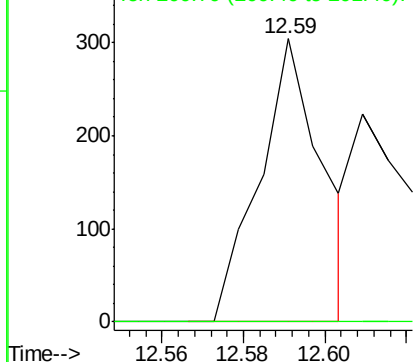


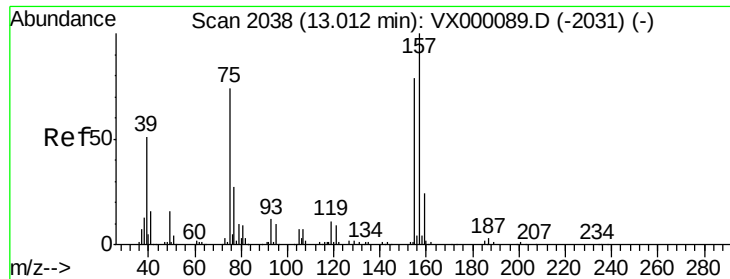
#90
Hexachloroethane
Concen: 0.32 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX000175.D
Acq: 28 Feb 2018 18:49

Tgt Ion: 117 Resp: 326
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.38 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.19 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW13-GW

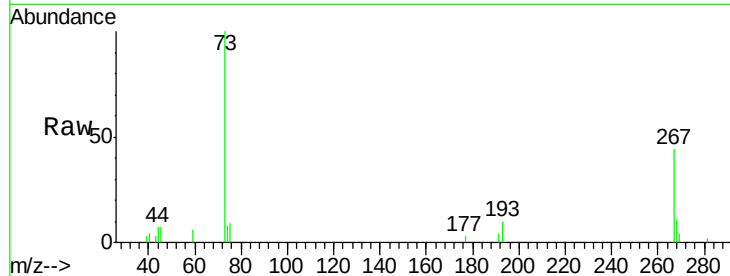
Tgt Ion: 75 Resp: 243

Ion Ratio Lower Upper

75 100

155 0.0 49.3 147.9#

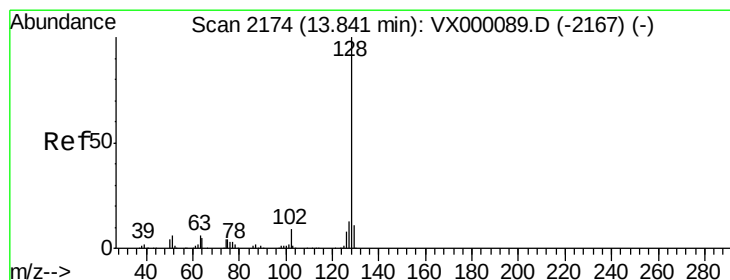
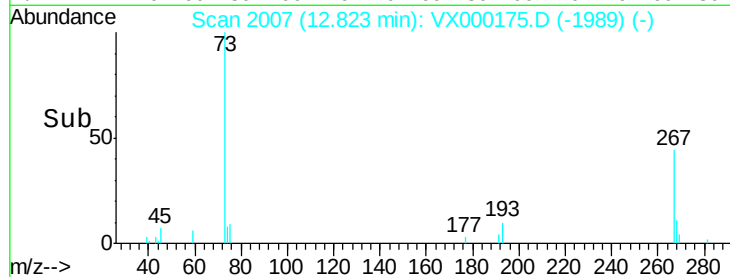
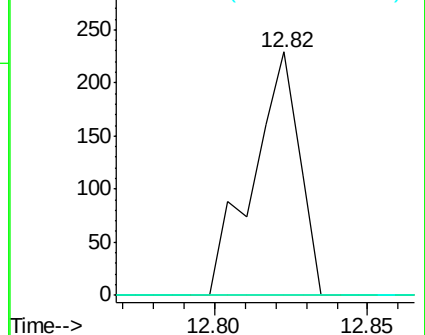
157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 0.62 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

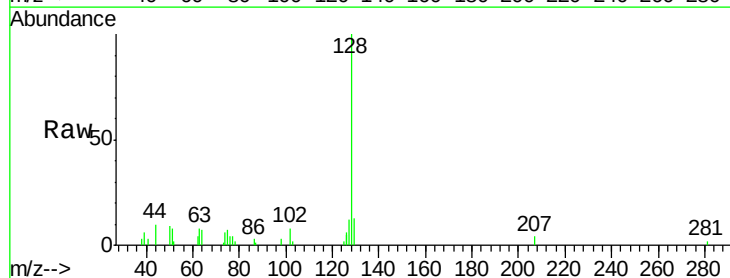
Tgt Ion: 128 Resp: 5346

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 12.1 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

